Mecaline Power Transmission Catalogue

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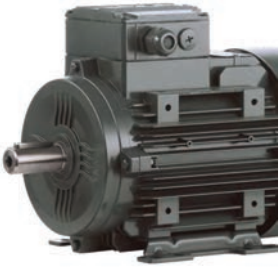
Introduction

We now offer quality three-phase asynchronous motors in both aluminium and cast-iron.

Our motors are designed to be suitable for the most common applications. Mecaline motors deliver benefits such as excellent heat dissipation to reduce temperatures on windings and bearings. With IE3 and IE4 efficiency they provide significantly lower overall energy consumption to reduce the total cost of ownership and extend product life.

Every motor comes with a 2-year warranty and is designed to the highest product specification, including:

- Totally enclosed fan cooled IC411
- Premium bearings
- Insulation Class F
- Motors finished in RAL 7031 paint
- S1 duty
- IP55 rating
- Multi-mount design with removable feet providing mounting flexibility up to 280 frame
- Standard supply voltage 230/400V up to 3kW and 400/690V beyond



All of our motors, which have that UL logo on nameplate are approved by UL and manufactured according to UL 1004-1 and CSA C22.2.

Aluminium motors

Mecaline's aluminium motors are available in the following specifications:

- 0.75kW - 11kW
- 2, 4 or 6 pole
- B3, B5 as standard, B14 as standard up to size 160, B34 and B35 options are also available
- PTC thermistors on 132 frame and above as standard

Cast iron motors

Mecaline's cast iron motors are available in the following specifications:

- 18.5kW and above
- 2, 4 or 6 pole
- B3, B5 as standard, B14 as standard up to size 160, B34 and B35 options are also available
- PTC thermistors on 132 frame and above as standard

How to select your Mecaline motor

An electric motor is defined by:

- Output power rating (kW)
- Number of poles (rotation speed in RPM)
- Frame size (distance in mm between the centre of the shaft and the base of the motor
- Mounting (B3=Foot, B5=Flange, B14=Face, B34=Foot/face, B35=Foot/flange)
- Efficiency class
- Material (A=Aluminium / CI=Cast iron)

Use the tables to select:

- Correct output rating (kW),
- Number of poles and Frame size
- Choose the applicable foot/ flange mounting
- Consider the motor material (appropriate)
- The Rubix Engineering code refers to your selection

An electric motor converts electrical energy into mechanical energy. The most common and simple industrial motor is the three-phase asynchronous AC motor.

Common definitions:

Asynchronous = Can also be referred to as "squirrel cage" or "induction" motor

AC = Alternating Current (typically produced by generators or alternators)

IEC = European standardised ratings / performance/ dimensional characteristics (IEC standards define standard motor output vs frame size ratios and main critical dimensions)

**Note - motor length, terminal box dimensions/position are not covered by these standards*

Poles = The synchronous speed of an electric motor is determined by multiplying the cycles per second by 60 (1 minute) divided by the number of pairs of poles

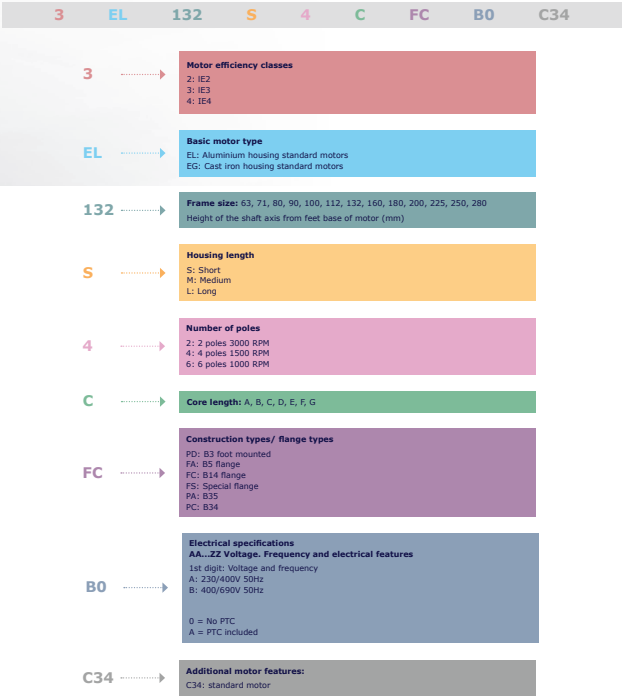
For example, a 2 pole motor's speed is determined as follows:

- Speed (RPM) = 50 (cycles/second) x 60(seconds)(=3,000 RPM)
- 1 (pair of poles)

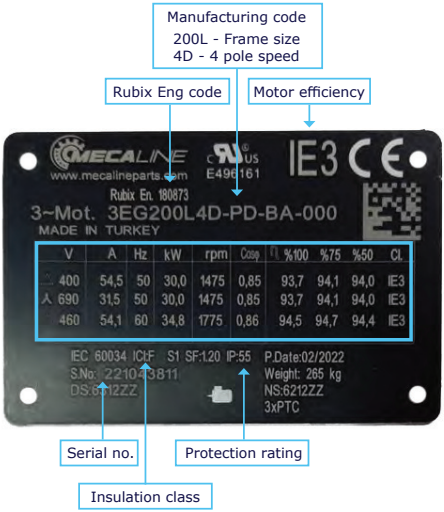
If the motor has 4 poles the speed will be 1500 RPM (2 pairs of poles) etc.

Product

Type codes



Nameplate description



V: Voltage

A: Amps

kW: Power kilo watt

RPM: Speed

PTC thermistor

PTC thermistor

If the motor is exposed to excessive load, the internal resistance of the thermistor attached to the motor windings increases due to the heating of the motor windings and opens the circuit when the insulation class limit value is reached. This prevents the winding from being damaged by cutting off the current in the windings. Only can be used with an electronic circuit.

PTC is standard on Mecaline motors from frame size 132.

Electrical construction

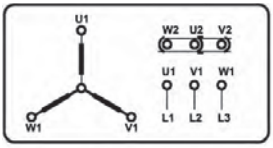
Standard Mecaline motors have insulation Class F while the temperature rise is Class B. This means the motors will have a longer service life and work under hard conditions.

Electrical connections

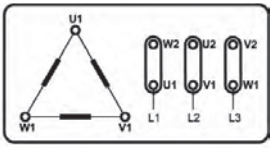
Cable gland and blind cap													
Frame size	063	071	080	090	100	112	132	160	180	200	225	250	280
Cable glands	M16x1,5	M20x1,5			M25x1,5			2 x M32x1,5		2 x M40x1,5	2 x M50x1,5		2 x M63x1,5
Blind cap	M16x1,5				M25x1,5			-		-	-		-

Terminal connections													
Frame size	063	071	080	090	100	112	132	160	180	200	225	250	280
Terminal size	M4				M5			M6			M8	M10	

The motors shall be connected in star or delta according to rated voltage given in their nameplate and the network voltage that they will be connected. For phase to phase 400V supply the motors with 230/400V nameplate values shall be connected in star and the motors with 400/690V nameplates values shall be connected in delta.



Y Star Connection



Δ Delta Connection

Motors at 60Hz network

Standard Mecaline motors that have been manufactured for 50 Hz power supply can be used at 60Hz network. The ratios given below indicate changes in the given rated values.

50 Hz rated voltage	60 Hz rated voltage	Rated speed	Rated power	Rated torque	Rated current	Starting torque	Break down torque	Starting current
230V	220V	1.193	1	0.84	0.97	0.77	0.8	0.8
400V	380V	1.193	1	0.84	0.97	0.77	0.8	0.8
400V	440V	1.20	1.16	0.97	0.98	0.87	0.9	0.9

IE2 efficiency level

230/400V-3ph-50Hz IP55

2 Pole / 3000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891423	0.18	3000	2	63	B3	2EL063M2A-PD-AO-C34	ALU	4.32
891468	0.18	3000	2	63	B5	2EL063M2A-FA-A0-C34	ALU	4.32
891513	0.18	3000	2	63	B14	2EL063M2A-FC-AO-C34	ALU	4.32
891424	0.25	3000	2	63	B3	2EL063M2B-PD-AO-C34	ALU	4.84
891469	0.25	3000	2	63	B5	2EL063M2B-FA-A0-C34	ALU	4.84
891514	0.25	3000	2	63	B14	2EL063M2B-FC-AO-C34	ALU	4.84
891425	0.37	3000	2	71	B3	2EL071M2A-PD-AO-C34	ALU	6.32
891470	0.37	3000	2	71	B5	2EL071M2A-FA-A0-C34	ALU	6.32
891515	0.37	3000	2	71	B14	2EL071M2A-FC-AO-C34	ALU	6.32
891426	0.55	3000	2	71	B3	2EL071M2B-PD-A0-C34	ALU	7.3
891471	0.55	3000	2	71	B5	2EL071M2B-FA-A0-C34	ALU	7.3
891516	0.55	3000	2	71	B14	2EL071M2B-FC-AO-C34	ALU	7.3

4 Pole / 1500 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891437	0.12	1500	4	63	B3	2EL063M4B-PD-AO-C34	ALU	4.14
891482	0.12	1500	4	63	B5	2EL063M4B-FA-A0-C34	ALU	4.14
891527	0.12	1500	4	63	B14	2EL063M4B-FC-AO-C34	ALU	4.14
891438	0.18	1500	4	63	B3	2EL063M4C-PD-AO-C34	ALU	4.71
891483	0.18	1500	4	63	B5	2EL063M4C-FA-A0-C34	ALU	4.71
891528	0.18	1500	4	63	B14	2EL063M4C-FC-AO-C34	ALU	4.71
891439	0.25	1500	4	71	B3	2EL071M4B-PD-AO-C34	ALU	6.05
891484	0.25	1500	4	71	B5	2EL071M4B-FA-A0-C34	ALU	6.05
891529	0.25	1500	4	71	B14	2EL071M4B-FC-AO-C34	ALU	6.05
891440	0.37	1500	4	71	B3	2EL071M4C-PD-AO-C34	ALU	6.95
891485	0.37	1500	4	71	B5	2EL071M4C-FA-A0-C34	ALU	6.95
891530	0.37	1500	4	71	B14	2EL071M4C-FC-AO-C34	ALU	6.95
891441	0.55	1500	4	80	B3	2EL080M4B-PD-AO-C34	ALU	9.29
891486	0.55	1500	4	80	B5	2EL080M4B-FA-A0-C34	ALU	9.29
891531	0.55	1500	4	80	B14	2EL080M4B-FC-AO-C34	ALU	9.29

6 Pole / 1000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891558	0.18	1000	6	71	B3	2EL071M6B-PD-AO-C34	ALU	5.82
891566	0.18	1000	6	71	B5	2EL071M6B-FA-AO-C34	ALU	5.82
891562	0.18	1000	6	71	B14	2EL071M6B-FC-AO-C34	ALU	5.82
891559	0.25	1000	6	71	B3	2EL071M6C-PD-AO-C34	ALU	6.55
891567	0.25	1000	6	71	B5	2EL071M6C-FA-AO-C34	ALU	6.55
891563	0.25	1000	6	71	B14	2EL071M6C-FC-AO-C34	ALU	6.55
891560	0.37	1000	6	80	B3	2EL080M6A-PD-AO-C34	ALU	8.54
891568	0.37	1000	6	80	B5	2EL080M6A-FA-AO-C34	ALU	8.54
891564	0.37	1000	6	80	B14	2EL080M6A-FC-AO-C34	ALU	8.54
891561	0.55	1000	6	80	B3	2EL080M6B-PD-AO-C34	ALU	9.92
891569	0.55	1000	6	80	B5	2EL080M6B-FA-AO-C34	ALU	9.92
891565	0.55	1000	6	80	B14	2EL080M6B-FC-AO-C34	ALU	9.92

IE3 efficiency level

230/400V-3ph-50Hz IP55

2 Pole / 3000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891427	0.75	3000	2	80	B3	3EL080M2B-PD-A0-C34	ALU	10.34
891472	0.75	3000	2	80	B5	3EL080M2B-FA-A0-C34	ALU	10.34
891517	0.75	3000	2	80	B14	3EL080M2B-FC-AO-C34	ALU	10.34
891428	1.1	3000	2	80	B3	3EL080M2C-PD-AO-C34	ALU	11.95
891473	1.1	3000	2	80	B5	3EL080M2C-FA-A0-C34	ALU	11.95
891518	1.1	3000	2	80	B14	3EL080M2C-FC-AO-C34	ALU	11.95
891429	1.5	3000	2	90	B3	3EL090S2B-PD-AO-C34	ALU	15.44
891474	1.5	3000	2	90	B5	3EL090S2B-FA-A0-C34	ALU	15.44
891519	1.5	3000	2	90	B14	3EL090S2B-FC-A0-C34	ALU	15.44
891430	2.2	3000	2	90	B3	3EL090L2C-PD-AO-C34	ALU	18.72
891475	2.2	3000	2	90	B5	3EL090L2C-FA-A0-C34	ALU	18.72
891520	2.2	3000	2	90	B14	3EL090L2C-FC-A0-C34	ALU	18.72
891431	3	3000	2	100	B3	3EL100L2C-PD-AO-C34	ALU	24.8
891476	3	3000	2	100	B5	3EL100L2C-FA-A0-C34	ALU	24.8
891521	3	3000	2	100	B14	3EL100L2C-FC-A0-C34	ALU	24.8

400/690V-3ph-50Hz IP55

2 Pole / 3000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891432	4	3000	2	112	B3	3EL112M2C-PD-BO-C34	ALU	32.37
891477	4	3000	2	112	B5	3EL112M2C-FA-B0-C34	ALU	32.37
891522	4	3000	2	112	B14	3EL112M2C-FC-B0-C34	ALU	32.37
891433	5.5	3000	2	132	B3	3EL132S2B-PD-BA-C34	ALU	45.91
891478	5.5	3000	2	132	B5	3EL132S2B-FA-BA-C34	ALU	45.91
891523	5.5	3000	2	132	B14	3EL132S2B-FC-BA-C34	ALU	45.91
891434	7.5	3000	2	132	B3	3EL132S2C-PD-BA-C34	ALU	52.25
891479	7.5	3000	2	132	B5	3EL132S2C-FA-BA-C34	ALU	52.25
891524	7.5	3000	2	132	B14	3EL132S2C-FC-BA-C34	ALU	52.25
891435	11	3000	2	160	B3	3EL160M2B-PD-BA-C34	ALU	83.3
891480	11	3000	2	160	B5	3EL160M2B-FA-BA-C34	ALU	83.3
891525	11	3000	2	160	B14	3EL160M2B-FC-BA-C34	ALU	83.3
891436	15	3000	2	160	B3	3EL160M2C-PD-BA-C34	ALU	94.91
891481	15	3000	2	160	B5	3EL160M2C-FA-BA-C34	ALU	94.91
891526	15	3000	2	160	B14	3EL160M2C-FC-BA-C34	ALU	94.91
891452	18.5	3000	2	160	B3	3EL160L2D-PD-BA-C34	ALU	104.57
891497	18.5	3000	2	160	B5	3EL160L2D-FA-BA-C34	ALU	104.57
891453	22	3000	2	180	B3	3EG180M2B-PD-BA-C34	CI	173.14
891498	22	3000	2	180	B5	3EG180M2B-FA-BA-C34	CI	173.14
891454	30	3000	2	200	B3	3EG200L2B-PD-BA-C34	CI	237.92
891499	30	3000	2	200	B5	3EG200L2B-FA-BA-C34	CI	237.92
891455	37	3000	2	200	B3	3EG200L2C-PD-BA-C34	CI	261.68

Technical pages from page 21-28.

* All items marked ALU come with removable feet as standard

IE3 efficiency level

400/690V-3ph-50Hz IP55									
	Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
2 Pole / 3000 RPM	891500	37	3000	2	200	B5	3EG200L2C-FA-BA-C34	CI	261.68
	891456	45	3000	2	225	B3	3EG225M2C-PD-BA-C34	CI	335.68
	891501	45	3000	2	225	B5	3EG225M2C-FA-BA-C34	CI	335.68
	891457	55	3000	2	250	B3	3EG250M2C-PD-BA-C34	CI	432.88
	891502	55	3000	2	250	B5	3EG250M2C-FA-BA-C34	CI	432.88
	891458	75	3000	2	280	B3	3EG280S2B-PD-BA-C34	CI	565.29
	891503	75	3000	2	280	B5	3EG280S2B-FA-BA-C34	CI	565.29
	891459	90	3000	2	280	B3	3EG280M2C-PD-BA-C34	CI	629.04
	891504	90	3000	2	280	B5	3EG280M2C-FA-BA-C34	CI	629.04

Technical pages from page 21-28.

* All items marked ALU come with removable feet as standard

IE3 efficiency level

230/400V-3ph-50Hz IP55

4 Pole / 1500 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891442	0.75	1500	4	80	B3	3EL080M4D-PD-AO-C34	ALU	11.15
891487	0.75	1500	4	80	B5	3EL080M4D-FA-A0-C34	ALU	11.15
891443	1.1	1500	4	90	B3	3EL090S4C-PD-AO-C34	ALU	15.05
891488	1.1	1500	4	90	B5	3EL090S4C-FA-A0-C34	ALU	15.05
891533	1.1	1500	4	90	B14	3EL090S4C-FC-A0-C34	ALU	15.05
891444	1.5	1500	4	90	B3	3EL090L4D-PD-AO-C34	ALU	17.43
891489	1.5	1500	4	90	B5	3EL090L4D-FA-A0-C34	ALU	17.43
891534	1.5	1500	4	90	B14	3EL090L4D-FC-A0-C34	ALU	17.43
891445	2.2	1500	4	100	B3	3EL100L4C-PD-AO-C34	ALU	23.73
891490	2.2	1500	4	100	B5	3EL100L4C-FA-A0-C34	ALU	23.73
891535	2.2	1500	4	100	B14	3EL100L4C-FC-A0-C34	ALU	23.73
891446	3	1500	4	100	B3	3EL100L4D-PD-AO-C34	ALU	26.36
891491	3	1500	4	100	B5	3EL100L4D-FA-A0-C34	ALU	26.36
891536	3	1500	4	100	B14	3EL100L4D-FC-A0-C34	ALU	26.36

400/690V-3ph-50Hz IP55

4 Pole / 1500 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891447	4	1500	4	112	B3	3EL112M4D-PD-BO-C34	ALU	34.41
891492	4	1500	4	112	B5	3EL112M4D-FA-B0-C34	ALU	34.41
891448	5.5	1500	4	132	B3	3EL132S4C-PD-BO-C34	ALU	49.93
891493	5.5	1500	4	132	B5	3EL132S4C-FA-BA-C34	ALU	49.93
891538	5.5	1500	4	132	B14	3EL132S4C-FC-BA-C34	ALU	49.93
891449	7.5	1500	4	132	B3	3EL132M4D-PD-BA-C34	ALU	56.78
891494	7.5	1500	4	132	B5	3EL132M4D-FA-BA-C34	ALU	56.78
891539	7.5	1500	4	132	B14	3EL132M4D-FC-BA-C34	ALU	56.78
891450	11	1500	4	160	B3	3EL160M4C-PD-BA-C34	ALU	90.67
891495	11	1500	4	160	B5	3EL160M4C-FA-BA-C34	ALU	90.67
891540	11	1500	4	160	B14	3EL160M4C-FC-BA-C34	ALU	90.67
891451	15	1500	4	160	B3	3EL160L4E-PD-BA-C34	ALU	103.25
891496	15	1500	4	160	B5	3EL160L4E-FA-BA-C34	ALU	103.25
891541	15	1500	4	160	B14	3EL160L4E-FC-BA-C34	ALU	103.25
891460	18.5	1500	4	180	B3	3EG180M4C-PD-BA-C34	CI	177.13
891505	18.5	1500	4	180	B5	3EG180M4C-FA-BA-C34	CI	177.13
891461	22	1500	4	180	B3	3EG180L4D-PD-BA-C34	CI	192.68
891506	22	1500	4	180	B5	3EG180L4D-FA-BA-C34	CI	192.68
891462	30	1500	4	200	B3	3EG200L4D-PD-BA-C34	CI	258.36
891507	30	1500	4	200	B5	3EG200L4D-FA-BA-C34	CI	258.36
891463	37	1500	4	225	B3	3EG225S4C-PD-BA-C34	CI	327.02
891508	37	1500	4	225	B5	3EG225S4C-FA-BA-C34	CI	327.02
891464	45	1500	4	225	B3	3EG225M4D-PD-BA-C34	CI	357.51
891509	45	1500	4	225	B5	3EG225M4D-FA-BA-C34	CI	357.51
891465	55	1500	4	250	B3	3EG250M4D-PD-BA-C34	CI	461.05
891510	55	1500	4	250	B5	3EG250M4D-FA-BA-C34	CI	461.05
891466	75	1500	4	280	B3	3EG280S4C-PD-BA-C34	CI	615.77
891511	75	1500	4	280	B5	3EG280S4C-FA-BA-C34	CI	615.77
891467	90	1500	4	280	B3	3EG280M4D-PD-BA-C34	CI	670
891512	90	1500	4	280	B5	3EG280M4D-FA-BA-C34	CI	670

IE3 efficiency level

230/400V-3ph-50Hz IP55

6 Pole / 1000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891570	0.75	1000	6	90	B3	3EL090S6B-PD-AO-C34	ALU	13.9
891588	0.75	1000	6	90	B5	3EL090S6B-FA-AO-C34	ALU	13.9
891571	1.1	1000	6	90	B3	3EL090L6C-PD-AO-C34	ALU	16.84
891589	1.1	1000	6	90	B5	3EL090L6C-FA-AO-C34	ALU	16.84
891580	1.1	1000	6	90	B14	3EL090L6C-FC-A0-C34	ALU	16.84
891572	1.5	1000	6	100	B3	3EL100L6B-PD-AO-C34	ALU	21.86
891590	1.5	1000	6	100	B5	3EL100L6B-FA-AO-C34	ALU	21.86
891581	1.5	1000	6	100	B14	3EL100L6B-FC-AO-C34	ALU	21.86
891573	2.2	1000	6	112	B3	3EL112M6B-PD-AO-C34	ALU	29.46
891591	2.2	1000	6	112	B5	3EL112M6B-FA-AO-C34	ALU	29.46
891582	2.2	1000	6	112	B14	3EL112M6B-FC-AO-C34	ALU	29.46

400/690V-3ph-50Hz IP55

6 Pole / 1000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
891574	3	1000	6	132	B3	3EL132S6B-PD-BA-C34	ALU	42.43
891592	3	1000	6	132	B5	3EL132S6B-FA-BA-C34	ALU	42.43
891575	4	1000	6	132	B3	3EL132M6C-PD-BA-C34	ALU	48.91
891593	4	1000	6	132	B5	3EL132M6C-FA-BA-C34	ALU	48.91
891584	4	1000	6	132	B14	3EL132M6C-FC-BA-C34	ALU	48.91
891576	5.5	1000	6	132	B3	3EL132M6D-PD-BA-C34	ALU	54.62
891594	5.5	1000	6	132	B5	3EL132M6D-FA-BA-C34	ALU	54.62
891585	5.5	1000	6	132	B14	3EL132M6D-FC-BA-C34	ALU	54.62
891577	7.5	1000	6	160	B3	3EL160M6D-PD-BA-C34	ALU	84.7
891595	7.5	1000	6	160	B5	3EL160M6D-FA-BA-C34	ALU	84.7
891586	7.5	1000	6	160	B14	3EL160M6D-FC-BA-C34	ALU	84.7
891578	11	1000	6	160	B3	3EL160L6E-PD-BA-C34	ALU	99.29
891596	11	1000	6	160	B5	3EL160L6E-FA-BA-C34	ALU	99.29
891587	11	1000	6	160	B14	3EL160L6E-FC-BA-C34	ALU	99.29
891597	18.5	1000	6	200	B3	3EG200L6C-PD-BA-C34	CI	234.03
891603	18.5	1000	6	200	B5	3EG200L6C-FA-BA-C34	CI	234.03
891598	22	1000	6	200	B3	3EG200L6D-PD-BA-C34	CI	248.39
891604	22	1000	6	200	B5	3EG200L6D-FA-BA-C34	CI	248.39
891599	30	1000	6	225	B3	3EG225S6C-PD-BA-C34	CI	326.01
891605	30	1000	6	225	B5	3EG225S6C-FA-BA-C34	CI	326.01
891600	37	1000	6	250	B3	3EG250M6C-PD-BA-C34	CI	430.89
891606	37	1000	6	250	B5	3EG250M6C-FA-BA-C34	CI	430.89
891602	55	1000	6	280	B3	3EG280M6C-PD-BA-C34	CI	604.76
891608	55	1000	6	280	B5	3EG280M6C-FA-BA-C34	CI	604.76

Technical pages from page 21-28.

* All items marked ALU come with removable feet as standard

IE4 efficiency level

400/690v-3ph-50Hz IP55

2 Pole / 3000 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
894221	4	3000	2	112	B14	4EL112M2D-FC-B0-C34	ALU	34.41
894222	4	3000	2	112	B3	4EL112M2D-PD-B0-C34	ALU	34.41
894220	4	3000	2	112	B5	4EL112M2D-FA-B0-C34	ALU	34.90
894225	5.5	3000	2	132	B14	4EL132S2C-FC-BA-C34	ALU	45.91
894226	5.5	3000	2	132	B3	4EL132S2C-PD-BA-C34	ALU	45.91
894224	5.5	3000	2	132	B5	4EL132S2C-FA-BA-C34	ALU	45.91
894235	7.5	3000	2	132	B14	4EL132S2D-FC-BA-C34	ALU	52.25
894236	7.5	3000	2	132	B3	4EL132S2D-PD-BA-C34	ALU	52.25
894234	7.5	3000	2	132	B5	4EL132S2D-FA-BA-C34	ALU	52.25
894239	11	3000	2	160	B14	4EG160M2C-FC-BA-C34	CI	133.00
894245	11	3000	2	160	B14	4EL160M2C-FC-BA-C34	ALU	83.30
894240	11	3000	2	160	B3	4EG160M2C-PD-BA-C34	CI	133.00
894246	11	3000	2	160	B3	4EL160M2C-PD-BA-C34	ALU	83.30
894238	11	3000	2	160	B5	4EG160M2C-FA-BA-C34	CI	133.00
894244	11	3000	2	160	B5	4EL160M2C-FA-BA-C34	ALU	83.30
894255	15	3000	2	160	B14	4EG160M2D-FC-BA-C34	CI	135.00
894261	15	3000	2	160	B14	4EL160M2D-FC-BA-C34	ALU	94.91
894256	15	3000	2	160	B3	4EG160M2D-PD-BA-C34	CI	135.00
894262	15	3000	2	160	B3	4EL160M2D-PD-BA-C34	ALU	94.91
894254	15	3000	2	160	B5	4EG160M2D-FA-BA-C34	CI	135.00
894260	15	3000	2	160	B5	4EL160M2D-FA-BA-C34	ALU	94.91
894265	18.5	3000	2	160	B14	4EG160L2E-FC-BA-C34	CI	145.00
894271	18.5	3000	2	160	B14	4EL160L2E-FC-BA-C34	ALU	104.57
894266	18.5	3000	2	160	B3	4EG160L2E-PD-BA-C34	CI	145.00
894272	18.5	3000	2	160	B3	4EL160L2E-PD-BA-C34	ALU	104.57
894264	18.5	3000	2	160	B5	4EG160L2E-FA-BA-C34	CI	145.00
894270	18.5	3000	2	160	B5	4EL160L2E-FA-BA-C34	ALU	104.57
894282	22	3000	2	180	B3	4EG180M2C-PD-BA-C34	CI	173.14
894288	22	3000	2	180	B3	4EL180M2C-PD-BA-C34	ALU	133.00
894280	22	3000	2	180	B5	4EG180M2C-FA-BA-C34	CI	173.14
894286	22	3000	2	180	B5	4EL180M2C-FA-BA-C34	ALU	195.00
894292	30	3000	2	200	B3	4EG200L2C-PD-BA-C34	CI	237.92
894290	30	3000	2	200	B5	4EG200L2C-FA-BA-C34	CI	237.92
894299	37	3000	2	200	B3	4EG200L2D-PD-BA-C34	CI	261.68
894297	37	3000	2	200	B5	4EG200L2D-FA-BA-C34	CI	551.55
894306	45	3000	2	225	B3	4EG225M2D-PD-BA-C34	CI	335.68
894304	45	3000	2	225	B5	4EG225M2D-FA-BA-C34	CI	335.68
894313	55	3000	2	250	B3	4EG250M2D-PD-BA-C34	CI	432.88
894311	55	3000	2	250	B5	4EG250M2D-FA-BA-C34	CI	432.88
894320	75	3000	2	280	B3	4EG280S2C-PD-BA-C34	CI	565.29
894318	75	3000	2	280	B5	4EG280S2C-FA-BA-C34	CI	565.29
894327	90	3000	2	280	B3	4EG280M2D-PD-BA-C34	CI	629.04
894325	90	3000	2	280	B5	4EG280M2D-FA-BA-C34	CI	629.04

IE4 efficiency level

400/690v-3ph-50Hz IP55

4 Pole / 1500 RPM

Rubix Engineering code	kW	Speed	Pole	Frame size	Mounting	Motor reference	Material	Weight motor (kg)
894228	5.5	1500	4	132	B14	4EL132S4D-FC-BA-C34	ALU	49.93
894229	5.5	1500	4	132	B3	4EL132S4D-PD-BA-C34	ALU	49.93
894227	5.5	1500	4	132	B5	4EL132S4D-FA-BA-C34	ALU	49.93
894232	7.5	1500	4	132	B14	4EL132M4F-FC-BA-C34	ALU	56.78
894233	7.5	1500	4	132	B3	4EL132M4F-PD-BA-C34	ALU	56.78
894231	7.5	1500	4	132	B5	4EL132M4F-FA-BA-C34	ALU	56.78
894242	11	1500	4	160	B14	4EG160M4E-FC-BA-C34	CI	137.00
894248	11	1500	4	160	B14	4EL160M4E-FC-BA-C34	ALU	90.67
894243	11	1500	4	160	B3	4EG160M4E-PD-BA-C34	CI	137.00
894249	11	1500	4	160	B3	4EL160M4E-PD-BA-C34	ALU	90.67
894241	11	1500	4	160	B5	4EG160M4E-FA-BA-C34	CI	137.00
894247	11	1500	4	160	B5	4EL160M4E-FA-BA-C34	ALU	90.67
894252	15	1500	4	160	B14	4EG160L4F-FC-BA-C34	CI	152.00
894258	15	1500	4	160	B14	4EL160L4F-FC-BA-C34	ALU	103.25
894253	15	1500	4	160	B3	4EG160L4F-PD-BA-C34	CI	152.00
894259	15	1500	4	160	B3	4EL160L4F-PD-BA-C34	ALU	103.25
894251	15	1500	4	160	B5	4EG160L4F-FA-BA-C34	CI	152.00
894257	15	1500	4	160	B5	4EL160L4F-FA-BA-C34	ALU	103.25
894268	18.5	1500	4	180	B14	4EG180M4D-FC-BA-C34	CI	190.00
894269	18.5	1500	4	180	B3	4EG180M4D-PD-BA-C34	CI	177.13
894275	18.5	1500	4	180	B3	4EL180M4D-PD-BA-C34	ALU	190.00
894267	18.5	1500	4	180	B5	4EG180M4D-FA-BA-C34	CI	177.13
894273	18.5	1500	4	180	B5	4EL180M4D-FA-BA-C34	ALU	190.00
894279	22	1500	4	180	B3	4EG180L4E-PD-BA-C34	CI	192.68
894285	22	1500	4	180	B3	4EL180L4E-PD-BA-C34	ALU	212.00
894277	22	1500	4	180	B5	4EG180L4E-FA-BA-C34	CI	192.68
894283	22	1500	4	180	B5	4EL180L4E-FA-BA-C34	ALU	212.00
894295	30	1500	4	200	B3	4EG200L4E-PD-BA-C34	CI	258.36
894293	30	1500	4	200	B5	4EG200L4E-FA-BA-C34	CI	258.36
894302	37	1500	4	225	B3	4EG225S4D-PD-BA-C34	CI	327.02
894300	37	1500	4	225	B5	4EG225S4D-FA-BA-C34	CI	327.02
894309	45	1500	4	225	B3	4EG225M4E-PD-BA-C34	CI	357.51
894307	45	1500	4	225	B5	4EG225M4E-FA-BA-C34	CI	357.51
894316	55	1500	4	250	B3	4EG250M4E-PD-BA-C34	CI	461.05
894314	55	1500	4	250	B5	4EG250M4E-FA-BA-C34	CI	461.05
894323	75	1500	4	280	B3	4EG280S4D-PD-BA-C34	CI	615.77
894321	75	1500	4	280	B5	4EG280S4D-FA-BA-C34	CI	615.77
894330	90	1500	4	280	B3	4EG280M4E-PD-BA-C34	CI	670.00
894328	90	1500	4	280	B5	4EG280M4E-FA-BA-C34	CI	670.00

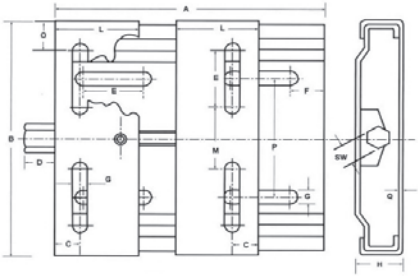
Motor accessories

Flanges			
RE code	**Type**	**Mounting**	**Frame size**
891855	Flange	B5	63
891856	Flange	B5	71
891857	Flange	B5	80
891858	Flange	B5	90
891859	Flange	B5	100
891860	Flange	B5	112
891861	Flange	B5	132
891862	Flange	B5	160
891863	Flange	B5	180
891864	Flange	B5	200
891865	Flange	B5	225
891866	Flange	B5	250
891867	Flange	B5	280
891868	Flange	B14	63
891869	Flange	B14	71
891870	Flange	B14	80
891871	Flange	B14	90
891872	Flange	B14	100
891873	Flange	B14	112
891874	Flange	B14	132
891875	Flange	B14	160
Supplied in Aluminium			
Denotes cast iron			

Feet (supplied in pack of two)		
RE code	**Type**	**Frame size**
891876	Feet	63
891877	Feet	71
891878	Feet	80
891879	Feet	90
891880	Feet	100
891881	Feet	112
891882	Feet	132
891883	Feet	160
891884	Feet	280

Base plates

			Dimensional data														
RE code	**Product description**	**To suit motor sizes**	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**L**	**M**	**O**	**P**	**SW**	**Q**	**W. kg**
864455	MOTOR BASES 270	63-112	270	195	20	24	50	25	10.5	33	70	43	26	98	19	3	3
864456	MOTOR BASES 307	90-112	307	213	20	24	50	25	10.5	33	70	65	24	108	19	3	3.2
864457	MOTOR BASES 340	90-132	340	290	27	27	62	30	12.5	40	95	90	38	165	22	4	6.3
864458	MOTOR BASES 430	90-160	430	290	27	27	62	29	12.5	40	95	90	38	165	22	4	7.5
864459	MOTOR BASES 490	160-180	490	410	40	27	60	30	15	40	95	193	48.5	284	22	4	10.8



MECALINE

Technical information

Electrical characteristics

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE2

2 pole 400V 50Hz 3000 RPM

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_s/I_N	M_s/M_N	M_x/M_N	kgm^2	kg	dB (A)
230/400	2EL063M2A	0,18	2800	63	0,50	0,61	0,77	67,5	66,0	62,0	4,5	2,9	3,0	0,00012	3,80	51
	2EL063M2B	0,25	2800	63	0,67	0,85	0,78	69,0	68,0	63,5	4,5	2,7	3,0	0,00015	4,20	51
	2EL071M2A	0,37	2790	71	0,90	1,26	0,80	74,2	74,5	72,5	5,0	2,5	2,8	0,00031	5,50	54
	2EL071M2B	0,55	2790	71	1,27	1,88	0,82	75,8	77,0	76,0	5,0	2,8	2,9	0,00037	6,30	54

4 pole 400V 50Hz 1500 RPM

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_s/I_N	M_s/M_N	M_x/M_N	kgm^2	kg	dB (A)
230/400	2EL063M4B	0,12	1385	63	0,40	0,83	0,72	60,1	60,5	54,5	3,0	2,2	2,3	0,00018	3,60	42
	2EL063M4C	0,18	1390	63	0,56	1,24	0,72	64,7	65,8	61,5	3,0	2,2	2,3	0,00022	4,20	42
	2EL071M4B	0,25	1425	71	0,71	1,68	0,69	74,0	73,5	70,5	4,4	2,0	3,0	0,00067	5,90	46
	2EL071M4C	0,37	1425	71	1,00	2,47	0,70	76,1	75,5	71,5	4,6	2,0	3,0	0,00082	6,70	46
	2EL080M4B	0,55	1440	80	1,45	3,65	0,71	77,1	76,7	75,0	5,2	2,0	3,0	0,00175	9,70	50

P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c UL us logo on nameplate

See pages 8 & 9 for how to select the correct motor

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE2

6 pole 400V 50Hz 1000 RPM

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_s/I_n	M_s/M_n	M_s/M_n	kgm^2	kg	dB (A)
230/400	2EL071M6B	0,18	920	71	0,60	1,87	0,67	64,5	63,0	57,0	3,2	1,9	2,3	0,00076	5,90	42
	2EL071M6C	0,25	920	71	0,78	2,59	0,69	66,5	66,0	61,0	3,3	1,9	2,3	0,00096	6,60	42
	2EL080M6A	0,37	925	80	1,08	3,82	0,69	71,4	71,5	70,0	4,0	2,0	2,6	0,00176	9,10	45
	2EL080M6B	0,55	932	80	1,50	5,64	0,72	73,5	74,0	71,0	4,2	2,1	2,6	0,00202	9,90	45

P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c UL us logo on nameplate

See pages 8 & 9 for how to select the correct motor

2 pole 400V 50Hz 3000 RPM

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE3

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_A/I_N	M_A/M_N	M_M/M_N	kgm²	kg	dB (A)
230/400	3EL080M2B	0,75	2880	80	1,59	2,49	0,84	80,7	82,0	81,5	6,7	3,0	3,6	0,00103	9,6	54
	3EL080M2C	1,10	2880	80	2,26	3,64	0,85	82,7	83,0	82,4	6,8	3,1	3,8	0,00124	10,9	54
	3EL090S2B	1,50	2900	90	2,97	4,94	0,86	84,8	85,4	84,2	7,6	3,1	3,9	0,00178	15,6	59
	3EL090L2C	2,20	2900	90	4,25	7,24	0,87	85,9	86,8	86,1	7,2	3,0	3,8	0,00221	17,0	59
	3EL100L2C	3,00	2910	100	5,58	9,85	0,89	87,1	87,6	86,9	7,9	3,0	4,1	0,00450	23,3	62
400/690	3EL112M2C	4,00	2915	112	7,28	13,1	0,90	88,1	88,8	88,2	7,5	2,6	3,9	0,00618	29,1	65
	3EL132S2B	5,50	2945	132	9,90	17,8	0,90	89,2	89,0	88,6	8,9	2,9	3,9	0,01732	44,4	67
	3EL132S2C	7,50	2945	132	13,2	24,3	0,91	90,1	90,5	89,7	8,4	2,6	4,0	0,02104	51,5	67
	3EL160M2B	11,0	2950	160	19,7	35,6	0,88	91,2	91,0	90,5	8,0	2,6	3,9	0,03318	79,7	69
	3EL160M2C	15,0	2950	160	26,5	48,6	0,89	91,9	92,1	91,6	8,9	3,1	4,2	0,03913	86,0	69
	3EL160L2D	18,5	2945	160	31,7	60,0	0,91	92,4	92,7	92,3	8,9	3,1	4,2	0,04409	96,8	69
	3EG180M2B	22,0	2957	180	38,1	71,1	0,90	92,7	92,9	92,0	8,6	2,6	3,9	0,06299	178	70
	3EG200L2B	30,0	2970	200	52,0	96,5	0,89	93,6	93,8	93,6	8,9	3,2	3,5	0,16168	245	72
	3EG200L2C	37,0	2970	200	62,6	119	0,91	93,7	93,8	93,4	9,3	3,2	3,4	0,17458	270	72
	3EG225M2C	45,0	2975	225	75,6	144	0,91	94,3	94,6	94,0	9,8	3,5	3,9	0,25353	335	74
	3EG250M2C	55,0	2970	250	93,3	177	0,90	94,4	94,8	94,5	8,9	3,3	3,4	0,38000	422	75

P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c US logo on nameplate

See pages 8 & 9 for how to select the correct motor

4 pole 400V 50Hz 1500 RPM

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE3

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_s/I_n	M_s/M_n	M_M/M_n	kgm^2	kg	dB (A)
230/400	3EL080M4D	0,75	1450	80	1,77	4,94	0,74	82,5	82,3	80,0	6,2	2,5	3,4	0,00227	11,6	50
	3EL090S4C	1,10	1450	90	2,46	7,25	0,76	84,5	84,3	82,0	7,0	2,6	3,6	0,00355	16,3	51
	3EL090L4D	1,50	1445	90	3,30	9,91	0,77	85,3	85,2	83,0	7,2	2,8	3,8	0,00411	18,0	51
	3EL100L4C	2,20	1450	100	4,65	14,5	0,79	86,7	87,2	86,0	7,2	2,8	3,6	0,00775	24,4	53
	3EL100L4D	3,00	1450	100	6,26	19,8	0,79	87,7	88,0	87,0	7,2	2,8	3,6	0,00888	26,7	53
400/690	3EL112M4D	4,00	1460	112	8,05	26,2	0,81	88,6	88,4	87,5	7,4	2,8	3,8	0,01437	33,9	58
	3EL132S4C	5,50	1465	132	10,9	36,0	0,81	89,6	90,2	90,0	7,0	3,0	3,4	0,03059	53,4	61
	3EL132M4D	7,50	1465	132	14,4	48,9	0,83	90,4	90,4	89,4	7,9	3,0	3,4	0,03418	59,5	61
	3EL160M4C	11,0	1465	160	21,0	71,7	0,83	91,5	92,1	91,7	7,6	2,8	3,3	0,07011	89,2	63
	3EL160L4E	15,0	1465	160	28,7	97,8	0,82	92,1	92,4	91,9	7,8	2,8	3,6	0,08579	97,5	63
	3EG180M4C	18,5	1475	180	35,0	120	0,82	92,6	93,2	92,9	7,7	3,0	3,3	0,12901	173	64
	3EG180L4D	22,0	1470	180	41,4	143	0,82	93,0	93,7	93,7	8,0	3,0	3,4	0,14667	187	64
	3EG200L4D	30,0	1475	200	54,5	194	0,85	93,6	94,1	94,0	8,0	3,0	3,4	0,28413	258	65
	3EG225S4C	37,0	1478	225	65,7	239	0,87	93,9	94,5	94,5	8,3	3,2	3,3	0,38229	320	66
	3EG225M4D	45,0	1477	225	80,0	291	0,86	94,2	94,7	94,7	8,6	3,3	3,2	0,44100	352	67
	3EG250M4D	55,0	1482	250	95,3	354	0,88	94,6	95,1	95,2	8,7	3,3	3,2	0,73000	470	68

P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c US logo on nameplate

See pages 8 & 9 for how to select the correct motor

6 pole 400V 50Hz 3000 RPM

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE3

Voltage	Type	Rated values									Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	FS	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM		A	Nm	Cos Φ	4/4	3/4	1/2	I_a/I_n	M_a/M_n	M_b/M_n	kgm^2	kg	dB (A)
230/400	3EL090S6B	0,75	945	90	1,96	7,58	0,70	78,9	79,2	77,6	4,7	2,2	2,7	0,00354	14,6	46
	3EL090L6C	1,10	940	90	2,75	11,2	0,71	81,0	80,8	79,4	5,0	2,2	2,7	0,00428	17,0	46
	3EL100L6B	1,50	955	100	3,50	15,0	0,75	82,5	82,7	81,4	5,3	2,1	2,8	0,00821	22,5	50
	3EL112M6B	2,20	960	112	4,95	21,9	0,76	84,3	84,5	83,5	5,5	2,2	3,0	0,01319	27,2	56
400/690	3EL132S6B	3,00	970	132	6,55	29,4	0,77	85,6	85,5	84,5	6,2	2,1	3,0	0,03051	46,5	58
	3EL132M6C	4,00	970	132	8,52	39,4	0,78	86,8	87,0	85,5	6,2	2,2	3,0	0,03493	51,0	58
	3EL132M6D	5,50	965	132	11,6	54,4	0,78	88,0	88,9	88,5	6,2	2,2	3,0	0,03934	56,0	58
	3EL160M6D	7,50	972	160	15,6	73,7	0,78	89,1	89,4	88,4	6,3	2,6	3,0	0,07870	96,0	61
	3EL160L6E	11,0	972	160	22,9	108	0,77	90,3	90,9	90,5	6,6	2,9	3,3	0,08580	104	62
	3EG180L6E	15,0	975	180	30,8	147	0,77	91,2	91,6	91,0	6,7	2,9	3,1	0,15264	187	63
	3EG200L6C	18,5	977	200	36,4	181	0,80	91,7	91,8	91,8	6,1	2,6	2,6	0,36100	225	64
	3EG200L6D	22,0	978	200	42,5	215	0,81	92,2	92,9	93,0	6,2	2,6	2,7	0,39355	245	64
	3EG225S6C	30,0	985	225	57,6	291	0,81	92,9	92,9	92,6	6,6	2,6	2,7	0,60000	326	65
	3EG250M6C	37,0	988	250	68,8	358	0,83	93,4	93,6	93,5	6,8	2,9	2,8	0,82000	432	65
	3EG280S6B	45,0	989	280	83,5	435	0,83	93,7	93,9	93,2	6,8	2,9	2,8	1,45000	540	65
	3EG280M6C	55,0	989	280	102	531	0,83	94,1	94,4	93,5	6,9	2,9	2,8	1,65000	575	65

P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c US logo on nameplate

See pages 8 & 9 for how to select the correct motor

2 pole 50Hz 3000 RPM

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE4

Voltage	Type	Rated values								Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM	A	Nm	Cos Φ	4/4	3/4	1/2	I_s/I_N	M_s/M_N	M_b/M_N	kgm²	kg	dB (A)
230/400	4EL071M2B	0,37	2825	0,83	1,25	0,82	78,1	78,3	76,5	5,7	2,8	3,2	0,00037	6,50	58
	4EL071 M2C	0,55	2825	1,17	1,86	0,83	81,5	81,9	79,5	6,2	2,9	3,5	0,00046	7,50	58
	4EL080M2C	0,75	2875	1,56	2,49	0,83	83,5	84,0	81,0	6,8	2,9	3,5	0,00124	11,0	59
	4EL080M2D	1,10	2880	2,19	3,65	0,85	85,2	85,5	84,9	7,5	2,9	3,7	0,00135	12,0	59
	4EL090S2C	1,50	2900	2,95	4,94	0,85	86,5	86,9	85,7	7,8	2,9	3,7	0,00221	17,2	64
	4EL090L2D	2,20	2900	4,20	7,24	0,86	88,0	88,5	87,6	8,2	3,0	3,8	0,00234	20,0	64
	4EL100L2D	3,00	2910	5,50	9,85	0,88	89,1	89,5	88,5	8,5	3,0	4,0	0,00503	25,9	67
400/690	4EL11 2M2D	4,00	2940	7,30	13,0	0,88	90,0	90,3	89,7	8,7	3,0	4,2	0,00734	32,5	70
	4EL132S2C	5,50	2945	9,60	17,8	0,91	90,9	90,9	90,0	8,9	3,2	4,2	0,02104	52,5	72
	4EL132S2D	7,50	2945	13,0	24,5	0,91	91,7	92, 2	91,8	8,5	3,2	4,2	0,02290	54,0	72
	4EL160M2C	11,0	2950	18,9	35,6	0,91	92,6	92,7	91,2	8,5	3,3	4,3	0,03913	133	74
	4EL160M2D	15,0	2950	25,6	48,6	0,91	93,3	93,6	92,8	8,5	3,3	4,3	0,04409	135	74
	4EL160L2E	18,5	2955	31,4	59,8	0,91	93,7	93,8	92,9	8,7	3,2	4,3	0,05000	145	74
	4EG180M2C	22,0	2960	37,2	71,1	0,91	94,0	94,4	93,5	8,9	3,0	4,0	0,07000	195	74
	4EG200L2C	30,0	2970	51,0	96,5	0,90	94,5	94,7	94,0	8,3	3,2	3,7	0,17500	272	74
	4EG200L2D	37,0	2970	63,3	120	0,89	94,8	95,0	94,2	8,3	3,2	4,0	0,20000	295	74
	4EG225M2D	45,0	2975	76,0	145	0,90	95,0	95, 2	94,9	9,0	3,4	4,2	0,29000	385	74
	4EG250M2D	55,0	2975	90,5	177	0,92	95,3	95,5	94,9	8,2	3,4	3,7	0,52000	520	74
	4EG 280S2C	75,0	2982	124	240	0,91	95,6	95,6	95,2	7,7	2,7	3,2	0,98000	640	76
	4EG280M2D	90,0	2985	149	288	0,91	95,8	95,9	95,0	7,7	2,8	3,5	1,10000	720	77
	4EG315S2C	110	2985	182	352	0,91	96,0	96,0	95,7	7,8	2,6	3,3	1,60000	905	77
	4EG315M2D	132	2986	217	422	0,91	96,2	96,3	96,0	8,0	2,6	3,3	2,00000	1085	77
	4EG315L2E	160	2986	260	542	0,92	963	965	96,0	8,0	27	3,4	2,20000	4195	78
	4EG315L2F	200	2987	325	639	0,92	96,5	96,7	96,2	8,1	2,9	3,5	2,70000	1310	78

P=Power S=Speed C=Current Torque=Torque FS=Frame size

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See pages 8 & 9 for how to select the correct motor

Electrical characteristics

4 pole 50Hz 1500 RPM

Duty cycle: S1 (continuous operation)
Insulation class: F (155ºC)
Temperature rise: B (80ºC)

IE4

Voltage	Type	Rated values								Starting values		Break down torque	Moment of inertia	B3 motor weight	Sound pressure level
		P	S	C	T	Power factor	Efficiency % η			Current	Torque				
		kW	RPM	A	Nm	Cos Φ	4/4	3/4	1/2	I_a/I_n	M_a/M_n	M_a/M_n	kgm^2	kg	dB (A)
400/690	4EL132S4D	5,50	1470	11,1	35,7	0,78	91,9	91,8	90,6	7,7	3,8	3,7	0,03418	60,0	61
	4EL132M4F	7,50	1470	14,6	48,7	0,80	92,6	92,7	91,5	7,7	3,8	4,0	0,04316	72,8	62
	4EL160M4E	11,0	1470	21,0	71,5	0,81	93,3	93,5	93,3	7,7	3,0	3,6	0,08600	137	64
	4EL160L4F	15,0	1475	28,9	97,5	0,80	93,9	94,1	93,8	8,7	3,7	4,3	0,12000	152	64
	4EG180M4D	18,5	1475	34,6	120	0,82	94,2	94,4	94,0	8,0	3,1	3,5	0,14700	190	64
	4EG180L4E	22,0	1475	41,0	142	0,82	94,5	94,7	94,2	8,2	3,2	3,8	0,17000	212	64
	4EG 200L4E	30,0	1480	53,0	194	0,86	94,9	95,3	95,2	8,3	3,3	3,8	0,35000	310	64
	4EG225S4D	37,0	1480	65,0	239	0,86	95,2	95,7	95,0	8,1	3,3	3,3	0,44100	355	70
	4EG225M4E	45,0	1480	79,2	290	0,86	95,4	95,6	95,6	8,2	3,5	3,3	0,52000	405	70
	4EG250M4E	55,0	1485	94,3	354	0,88	95,7	96,0	96,0	8,3	3,3	3,4	1,05000	522	70
	4EG 280S4D	75,0	1487	127	482	0,89	96,0	96,3	96,2	7,6	3,0	3,2	1,50000	670	70
	4EG280M4E	90,0	1488	152	578	0,89	96,1	96,3	96,3	7,6	3,1	3,2	1,95000	790	71
	4EG315S4D	110	1490	187	705	0,88	96,3	96,5	96,0	7,8	2,8	3,3	2,80000	975	73
	4EG315M4E	132	1490	225	846	0,88	96,4	96,7	96,2	8,0	2,9	3,3	3,30000	1050	73
	4EG315L4F	160	1490	269	1026	0,89	96,6	96,9	96,5	8,2	3,1	3,4	4,40000	1250	76
	4EG315L4G	200	1490	335	1282	0,89	96,7	97,0	96,6	8,3	3,3	3,5	5,20000	1490	76

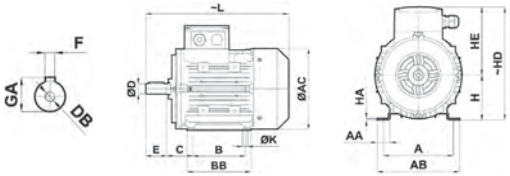
P=Power S=Speed C=Current Torque=Torque FS=Frame size

UL approved motors have c US logo on nameplate

See pages 8 & 9 for how to select the correct motor

Dimensions

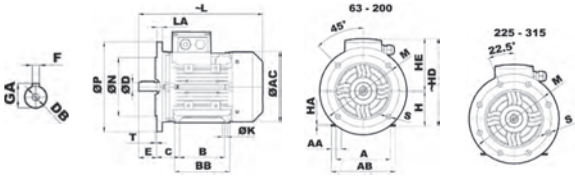
Construction type



Frame size	No. of poles	D[1]	E	L	AC	H[2]	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
063M	2-4-6	11	23	213	119	63	97	160	4	12,5	M4	40	7	80	104	3	18	100	115
071M	2-4-6	14	30	244	137	71	112	183	5	16	M5	45	7	90	110	3	19	112	128
080M	2-4-6	19	40	274	155	80	123	203	6	21,5	M6	50	10	100	122	3	25	125	148
090S	2-4-6	24	50	325	176	90	132	222	8	27	M8	56	10	100	151	4	27	140	167
090L	2-4-6	24	50	325	176	90	132	222	8	27	M8	56	10	125	151	4	27	140	167
100L	2-4-6	28	60	370,5	193	100	149	249	8	31	M10	63	12	140	170	4	31	160	192
112M	2-4-6	28	60	390	215	112	161	273	8	31	M10	70	12	140	177	4	36	190	217
132S	2-4-6	38	80	495	257	132	181	313	10	41	M12	89	12	140	212	5	34	216	254
132M	2-4-6	38	80	495	257	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
132L	2-4-6	38	80	543	257	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
160M	2-4-6	42	110	605	316	160	224	384	12	45	M16	108	14,5	210	323	15	65	254	295
160L	2-4-6	42	110	605	316	160	224	384	12	45	M16	108	14,5	254	323	15	65	254	295
180M	2-4-6	48	110	697	348	180	250	430	14	51,5	M16	121	14,5	241	319	15	50	279	326
180L	2-4-6	48	110	697	348	180	250	430	14	51,5	M16	121	14,5	279	319	15	50	279	326
200L	2-4-6	55	110	740	396	200	287	487	16	59	M20	133	18,5	305	350	18	62,5	318	381
225S	2	55	110	795	438	225	315,5	540,5	16	59	M20	149	18,5	286	370	20	70	356	428
	4-6	60	140	825					18	64									
225M	2	55	110	795	438	225	315,5	540,5	16	59	M20	149	18,5	311	370	20	70	356	428
	4-6	60	140	825					18	64									
250M	2	60	140	896	481	250	335	585	18	64	M20	168	24	349	420	32,5	80	406	490
	4-6	65								69									
280S	2	65	140	1019,5	547	280	402	682	18	69	M20	190	24	368	500	36	121	457	558
	4-6	75							20	79,5									
280M	2	65	140	1019,5	547	280	402	682	18	69	M20	190	24	419	500	36	121	457	558
	4-6	75							20	79,5									

[1] Tolerance "j6" up to 28mm, "k6" from 28mm to 48mm, "m6" over 48mm TS EN 50347

2 pole - 2880 RPM **4 pole - 1500 RPM** **6 pole - 1000 RPM**

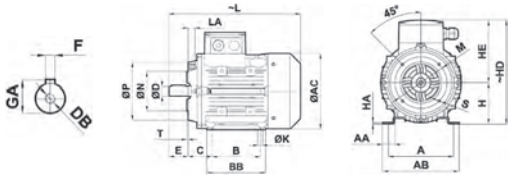


Frame size	No. of poles	D[1]	E	N[2]	P	T	LA	L	AC	S	M	H[3]	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
063M	2-4-6	11	23	95	140	3	8	213	119	10	115	63	97	160	4	12,5	M4	40	7	80	104	3	18	100	115
071M	2-4-6	14	30	110	160	3,5	8	244	137	10	130	71	112	183	5	16	M5	45	7	90	110	3	19	112	128
080M	2-4-6	19	40	130	200	3,5	12	274	155	12	165	80	123	203	6	21,5	M6	50	10	100	122	3	25	125	148
090S	2-4-6	24	50	130	200	3,5	12	325	176	12	165	90	132	222	8	27	M8	56	10	100	151	4	27	140	167
090L	2-4-6	24	50	130	200	3,5	12	325	176	12	165	90	132	222	8	27	M8	56	10	125	151	4	27	140	167
100L	2-4-6	28	60	180	250	4	15	370,5	193	14,5	215	100	149	249	8	31	M10	63	12	140	170	4	31	160	192
112M	2-4-6	28	60	180	250	4	15	390	215	14,5	215	112	161	273	8	31	M10	70	12	140	177	4	36	190	217
132S	2-4-6	38	80	230	300	4	20	495	257	14,5	265	132	181	313	10	41	M12	89	12	140	212	5	34	216	254
132M	2-4-6	38	80	230	300	4	20	495	257	14,5	265	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
132L	2-4-6	38	80	230	300	4	20	543	257	14,5	265	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
160M	2-4-6	42	110	250	350	5	20	605	316	18,5	300	160	224	384	12	45	M16	108	14,5	210	323	15	65	254	295
160L	2-4-6	42	110	250	350	5	20	605	316	18,5	300	160	224	384	12	45	M16	108	14,5	254	323	15	65	254	295
180M	2-4-6	48	110	250	350	5	14	697	348	18,5	300	180	250	430	14	51,5	M16	121	14,5	241	319	15	50	279	326
180L	2-4-6	48	110	250	350	5	14	697	348	18,5	300	180	250	430	14	51,5	M16	121	14,5	279	319	15	50	279	326
200L	2-4-6	55	110	300	400	5	14	740	396	18,5	350	200	287	487	16	59	M20	133	18,5	305	350	18	62,5	318	381
225S	2	55	110	350	450	5	20	795	438	18,5	400	225	315,5	540,5	16	59	M20	149	18,5	286	370	20	70	356	428
	4-6	60	140					825							18	64									
225M	2	55	110	350	450	5	20	795	438	18,5	400	225	315,5	540,5	16	59	M20	149	18,5	311	370	20	70	356	428
	4-6	60	140					825							18	64									
250M	2	60	140	450	550	5	20	896	481	18,5	500	250	335	585	18	64	M20	168	24	349	420	32,5	80	406	490
	4-6	65														69									
280S	2	65	140	450	550	5	20	1019,5	547	18,5	500	280	402	682	18	69	M20	190	24	368	500	36	121	457	558
	4-6	75													20	79,5									
280M	2	65	140	450	550	5	20	1019,5	547	18,5	500	280	402	682	18	69	M20	190	24	419	500	36	121	457	558
	4-6	75													20	79,5									

[1] Tolerance "j6" up to 28mm, "k6" from 28mm to 48mm, "m6" over 48mm TS EN 50347

2 pole - 2880 RPM **4 pole - 1500 RPM** **6 pole - 1000 RPM**

Construction type



Frame size	No. of poles	D[1]	N[2]	P	E	T	LA	L	AC	S	M	H[3]	HE	HD	F	GA	DB	C	ØK	B	BB	HA	AA	A	AB
063M	2-4-6	11	60	90	23	2,5	10	213	119	M5	75	63	97	160	4	12,5	M4	40	7	80	104	3	18	100	115
071M	2-4-6	14	70	105	30	2,5	12	244	137	M6	85	71	112	183	5	16	M5	45	7	90	110	3	19	112	128
080M	2-4-6	19	80	118,5	40	3	12	274	155	M6	100	80	123	203	6	21,5	M6	50	10	100	122	3	25	125	148
090S	2-4-6	24	95	136,5	50	3	15	325	176	M8	115	90	132	222	8	27	M8	56	10	100	151	4	27	140	167
090L	2-4-6	24	95	136,5	50	3	15	325	176	M8	115	90	132	222	8	27	M8	56	10	125	151	4	27	140	167
100L	2-4-6	28	110	159,5	60	3,5	17	370,5	193	M8	130	100	149	249	8	31	M10	63	12	140	170	4	31	160	192
112M	2-4-6	28	110	159,5	60	3,5	17	390	215	M8	130	112	161	273	8	31	M10	70	12	140	177	4	36	190	217
132S	2-4-6	38	130	200	80	3,5	20	495	257 M1	0	165	132	181	313	10	41	M12	89	12	140	212	5	34	216	254
132M	2-4-6	38	130	200	80	3,5	20	495	257 M1	0	165	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
132L	2-4-6	38	130	200	80	3,5	20	543	257 M1	0	165	132	181	313	10	41	M12	89	12	178	212	5	34	216	254
160M	2-4-6	42	180	250	110	4	23	605	316 M1	2	215	160	224	384	12	45	M16	108	14,5	210	323	15	65	254	295
160L	2-4-6	42	180	250	110	4	23	605	316 M1	2	215	160	224	384	12	45	M16	108	14,5	254	323	15	65	254	295

[1] Tolerance "j6" up to 28mm, "k6" over 28mm TS EN 50347
[2] Tolerance "j6" TS EN 50347
[3] Tolerance "-0.5mm" TS EN 50347

2 pole - 2880 RPM **4 pole - 1500 RPM** **6 pole - 1000 RPM**

IEC/EN/UL compatibility

All of standard Mecaline motors are designed, manufactured and tested according to the IEC and EN standards given below. All motors are to IEC 60034 specifications.

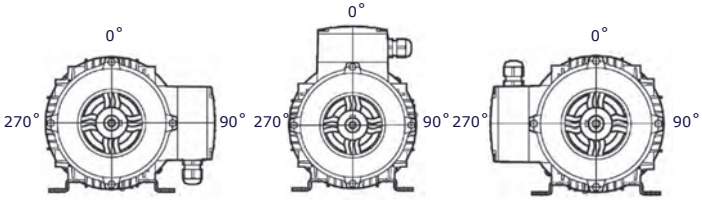
Electromagnetic compatibility	EN 55014-1	EN 61000-3-2	EN 61000-3-3
Rotating electrical machines - General requirements	UL 1004-1		
Motors and generators	CSA C22.2 No. 100		

All of our motors, which have that UL logo on nameplate are approved by UL and manufactured according to UL 1004-1 and CSA C22.2.

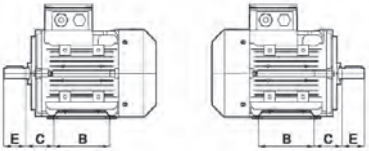
Mechanical construction

Mecaline motors from frame size 63-180 provide flexibility for different Mounting types through their detachable feet which can be mounted on three sides. This feature allows terminal box assembly on the desired side. Terminal box is on the top for standard motors. Cast iron motors of frame size 200-280 have fixed feet.

Motor size 63-180



Additionally the housing and end shields are designed symmetrically for all the Frame sizes, so that the drive and non-drive side end shields can be replaced and the direction of the rotor shaft group can be changed. By making this end shields and rotor shaft group modifications, the user can have a motor with terminal box is at the non-drive side keeping the distance C according to the standards.



The raw materials that are used in our motors depending on the Frame size are listed below.

Frame size	Housing	End shield DE	End shield NDE	Terminal box and cover	Feet	Fan cover	Fan
63							
71							
80							
90							
100							
112							
132							
160							
180							
200							
225							
250							
280							

Aluminium

Aluminium Cast iron

Steel sheet

Steel sheet Cast iron

Plastic

Cast iron

Electrical construction

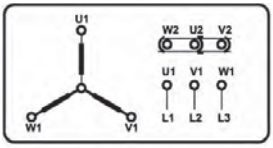
Standard Mecaline motors have insulation Class F while the temperature rise is Class B. This means the motors will have a longer service life and work under hard conditions.

Electrical connections

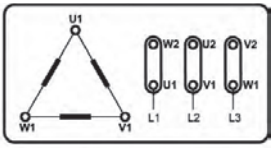
Cable gland and blind cap													
Frame size	063	071	080	090	100	112	132	160	180	200	225	250	280
Cable glands	M16x1,5	M20x1,5			M25x1,5			2 x M32x1,5		2 x M40x1,5	2 x M50x1,5		2 x M63x1,5
Blind cap	M16x1,5				M25x1,5			-		-	-		-

Terminal connections													
Frame size	063	071	080	090	100	112	132	160	180	200	225	250	280
Terminal size	M4				M5			M6			M8	M10	

The motors shall be connected in star or delta according to rated voltage given in their nameplate and the network voltage that they will be connected. For phase to phase 400V supply the motors with 230/400V nameplate values shall be connected in star and the motors with 400/690V nameplates values shall be connected in delta.



Y Star Connection



Δ Delta Connection

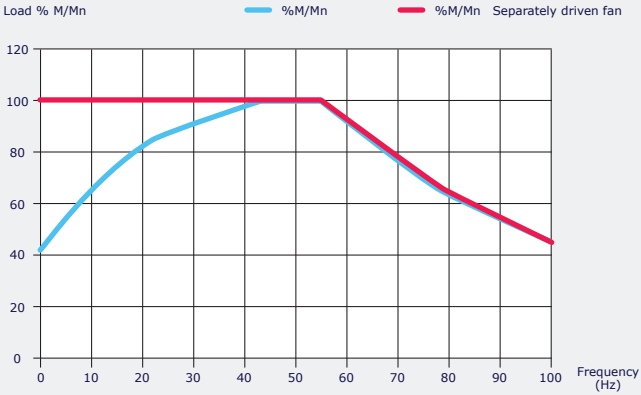
Motors at 60Hz network

Standard Mecaline motors that have been manufactured for 50 Hz power supply can be used at 60Hz network. The ratios given below indicate changes in the given rated values.

50 Hz rated voltage	60 Hz rated voltage	Rated speed	Rated power	Rated torque	Rated current	Starting torque	Break down torque	Starting current
230V	220V	1.193	1	0.84	0.97	0.77	0.8	0.8
400V	380V	1.193	1	0.84	0.97	0.77	0.8	0.8
400V	440V	1.20	1.16	0.97	0.98	0.87	0.9	0.9

Motors with variable speed drives

Standard Mecaline motors are suitable for variable speed drives. The frequency range that the motor can be driven with their fan is given below with blue line. If the motor will be driven in a wider range then a separately driven fan is necessary. By using a separately driven fan, the motors can be driven in the range defined by red line.



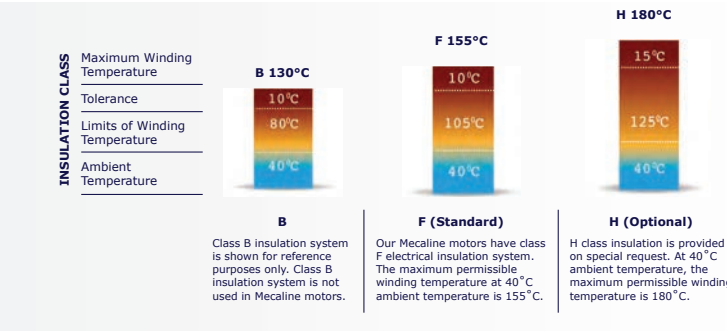
Motors in several environment conditions

Mecaline motors are designed to operate at ambient temperature up to 40°C according to IEC 60034-1. Rated output will change at the % ratings given below for different ambient temperatures.

Ambient temperature	< 30°C	35°C	40°C	45°C	50°C	55°C	60°C
% Power ratio	105	102	100	97	93	87	82

Winding insulation/temperature rise classes

All standard motors in the Mecaline motor range have F (155 ° C) class electrical insulation system. However, by means of its superior design features, the temperature rise of all standard motors remain within the Class B temperature rise limits when operating under rated conditions. Depending on the safety margin of the temperature rise class provided, our motors can provide 15% higher rated output power with a service factor of 1.15 (SF).



B

Class B insulation system is shown for reference purposes only. Class B insulation system is not used in Mecaline motors.

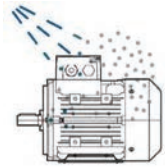
F (Standard)

Our Mecaline motors have class F electrical insulation system. The maximum permissible winding temperature at 40˚C ambient temperature is 155˚C.

H (Optional)

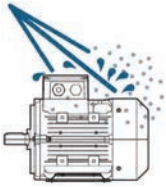
H class insulation is provided on special request. At 40˚C ambient temperature, the maximum permissible winding temperature is 180˚C.

Protection classes



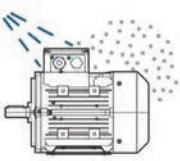
IP55 (Mecaline standard)

Limited protection against dust ingress and protected against low pressure water jets from any direction.



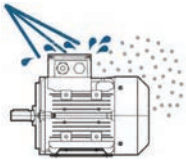
IP56

Limited protection against dust ingress and protected against high pressure water jets from any direction.



IP65

Totally protected against dust ingress and protected against low pressure water jets from any direction.



IP66

Totally protected against dust ingress and protected against high pressure water jets from any direction.

Construction types

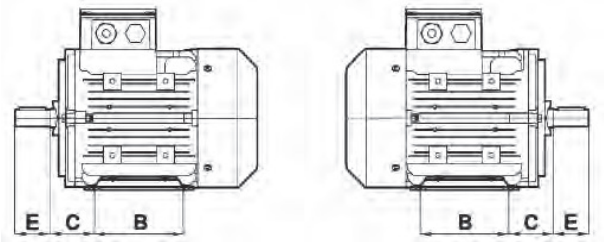
Mecaline motors are manufactured according to International Mounting Standard IEC 60034-7.

Mounting codes and diagrams according to IEC 60034-7					
	Horizontal mounting codes			Vertical mounting codes	
	I	II		I	II
	IM B3	IM 1001		IM V1	IM 3011
	IM B5	IM 3001		IM V3	IM 3031
	IM B14	IM 3601		IM V5	IM 1011
	IM B7	IM 1061		IM V6	IM 1031
	IM B6	IM 1051		IM V15	IM 2011
	IM B8	IM 1071		IM V35	IM 2031
	IM B34	IM 2101			
	IM B35	IM 2001			

Bearings

Standard Mecaline motors are equipped with ball bearings with ZZ shields as listed below, according to Frame size. NU-NJ bearings are optional.

Frame size	Number of pole	Drive end bearing	Non drive end bearing
63	2-4-6	6201 ZZ	6201 ZZ
71	2-4-6	6202 ZZ	6202 ZZ
80	2-4-6	6204 ZZ	6204 ZZ
90	2-4-6	6205 ZZ	6205 ZZ
100	2-4-6	6206 ZZ	6206 ZZ
112	2-4-6	6206 ZZ	6206 ZZ
132	2-4-6	6208 ZZ	6208 ZZ
160	2-4-6	6309 ZZ	6209 ZZ
180	2-4-6	6310 ZZ	6210 ZZ
200	2-4-6	6312 ZZ	6212 ZZ
225	2-4-6	6313 ZZ	6213 ZZ
250	2-4-6	6315 ZZ	6215 ZZ
280	2 4-6	6315 6317	6315 6317

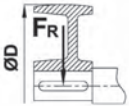


Radial loads

Radial Load (FR)

Radial load can be calculated according to below written formula. Calculated radial load must be below permissible radial loads given at tables.

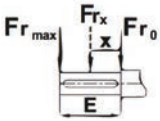
$$F_R = k \cdot \frac{P}{D \cdot n} \cdot 10^7 \, (N)$$



Correction of Permissible Radial Load

If the radial load is applied between points x0 and Xmax, the permissible radial load can be corrected with the following formula.

$$Fr_X = Fr_0 - \frac{x}{E}(Fr_0 - Fr_{max})$$



P: Motor Power (kW)
D: Pulley Diameter (mm)
n: Motor speed (RPM)
k: Radial load factor

- Spur Gears, chain drives with low speed = 2, 1
- Trigger Belts = 2,5
- V type belts = 5

FR<Frx: Calculated radial load must be below permissible radial loads given at tables.

Fa: Axial load
Fro: Permissible radial load at shaft spigot.
Fr max: Permissible radial load at shaft end point.

Permissible loads are calculated for Lh1o 20000 h bearing lifetimes according to ISO 281.

Radial loads

HORIZONTAL MOUNTING - Permissible Radial Loads
Mounting Positions IM: B3, B5, B6, B7, B8, B14, B34, B35

Frame size	Fa=0	
	Fr_0	Fr_{max}
2 Poles 3000 RPM	**Fr [N]^{o}**	**Fr [N]^{max}**
63	350	300
71	380	340
80	640	550
90	750	660
100	1050	900
112	1050	910
132	1520	1220
160	2800	2300
180	3250	2650
200	4340	3560
225	4950	4000
250	6050	4800
280	6300	5100
4 Poles 1500 RPM	**Fr [N]^{o}**	**Fr [N]^{max}**
63	430	390
71	520	440
80	800	700
90	950	780
100	1300	1050
112	1300	1050
132	1950	1600
160	3540	2825
180	4100	3400
200	5500	4550
225	6200	4900
250	7500	6000
280	8200	7500
6 Poles 1000 RPM	**Fr [N]^{o}**	
63	500	400
71	580	500
80	870	800
90	1090	900
100	1500	1250
112	1500	1250
132	2200	1800
160	4050	3190
180	4720	3830
200	6350	5150
225	7350	5650
250	8950	7200
280	9500	8500

Fa0: Permissible axial load **Fr**: Radial load **Fr0**: Permissible radial load at shaft spigot **Fr max**: Permissible radial load at shaft end point (permissible loads are calculated for $L_{h\ 10}$20000 h bearing lifetimes according to ISO 281.)

Axial loads

HORIZONTAL MOUNTING - Permissible Axial Loads
Mounting Positions IM: B3, B5, B6, B7, B8, B14, B34, B35

Frame size	Push			Pull
	Fr=0	$Fr=Fr_0$	$Fr=FR_{max}$	Fr=0
				
2 Poles 3000 RPM	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]
63	90	90	90	220
71	110	110	110	250
80	190	190	190	395
90	210	210	210	400
100	270	270	270	580
112	270	270	270	580
132	380	380	370	800
160	2280	1060	1020	1670
180	2660	1250	1250	1970
200	3150	1500	1390	2600
225	3850	1850	1760	2750
250	4150	2180	2250	3350
280	4500	2500	2500	3350
4 Poles 1500 RPM	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]
63	90	90	90	330
71	110	110	110	360
80	190	190	190	560
90	210	210	210	585
100	300	300	300	830
112	300	300	300	830
132	400	400	400	1200
160	2280	1400	1400	2350
180	3100	1570	1500	2800
200	4400	1770	1770	3810
225	4950	2150	2200	4300
250	6050	2400	2400	4500
280	7200	3000	3000	5500
6 Poles 1000 RPM	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]	Fa_0 [N]
63	90	90	90	370
71	110	110	110	430
80	190	190	190	700
90	210	210	210	740
100	290	290	290	1020
112	290	290	290	1020
132	380	380	380	1470
160	3050	1540	1520	2900
180	3540	1780	1700	3410
200	4800	2200	2250	4400
225	5050	2580	2800	5200
250	6050	3100	3150	6500
280	7000	3700	3400	7150

Fa0: Permissible axial load **Fr**: Radial load **Fr0**: Permissible radial load at shaft spigot **Fr max**: Permissible radial load at shaft end point (permissible loads are calculated for $L_{h\ 10}$20000 h bearing lifetimes according to ISO 281.)

Axial loads

VERTICAL MOUNTING - Shaft Pointing Upwards
Permissible Axial Loads Mounting Positions IM:
V3, V6, V19, V35, V37

Frame size	Push			Pull
	Fr=0	Fr=Fr_0	Fr=FR_{max}	Fr=0
				
2 Poles 3000 RPM	**Fa_3 [N]**	**Fa_0 [N]**	**Fa_R [N]**	**Fa_3 [N]**
63	90	90	90	230
71	100	100	100	265
80	170	170	170	425
90	180	180	180	450
100	250	250	250	650
112	250	250	250	660
132	300	300	300	970
160	2080	1060	990	1950
180	2410	1190	1050	2350
200	2900	1265	1265	3000
225	3250	1310	1295	3575
250	3950	1460	1450	4350
280	4100	1500	1500	4700
4 Poles 1500 RPM	**Fa_3 [N]**	**Fa_0 [N]**	**Fa_R [N]**	**Fa_3 [N]**
63	90	90	90	345
71	95	95	95	380
80	160	160	160	600
90	170	170	170	650
100	210	210	210	930
112	210	210	210	950
132	240	240	240	1430
160	2500	1250	1220	2160
180	2900	1400	1370	2570
200	3900	1360	1530	3500
225	4450	1570	1680	4000
250	5400	1870	1910	4300
280	6500	2250	2250	7100
6 Poles 1000 RPM	**Fa_3 [N]**	**Fa_0 [N]**	**Fa_R [N]**	**Fa_3 [N]**
63	85	85	85	395
71	95	95	95	455
80	160	160	160	745
90	170	170	170	800
100	230	230	230	1120
112	210	210	210	1150
132	250	250	250	1690
160	2980	1490	1450	3300
180	3400	1670	1670	3800
200	4250	1850	1860	5100
225	4800	1980	2080	5800
250	5300	2200	2260	6200
280	6300	2200	2050	7500

Fa0: Permissible axial load **Fr**: Radial load **Fr0**: Permissible radial load at shaft spigot **Fr max**: Permissible radial load at shaft end point (permissible loads are calculated for $L_{h\ 10}$20000 h bearing lifetimes according to ISO 281.)

Axial loads

VERTICAL MOUNTING -Shaft Pointing Downwards
Permissible Axial Loads Mounting Positions IM:
V1, V5, V15, V17, V18

Frame size	Push			Pull
	Fr=0	Fr=Fr_0	Fr=FR_{max}	Fr=0
				
2 Poles 3000 RPM	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**
63	110	110	110	210
71	130	130	130	235
80	220	220	220	385
90	250	250	250	375
100	330	330	330	535
112	340	340	340	520
132	490	550	550	680
160	2600	1550	1500	1500
180	3070	1850	1750	1700
200	3550	2300	2300	2315
225	4250	2680	2670	2630
250	5200	3200	3280	3100
280	6000	3900	3900	2750
4 Poles 1500 RPM	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**
63	120	110	120	300
71	130	130	130	340
80	220	220	220	540
90	260	260	260	545
100	380	370	370	760
112	410	400	400	740
132	580	570	570	1040
160	3500	1910	1840	2100
180	4000	2300	2170	2450
200	4250	2870	2850	2200
225	5000	3350	3380	3740
250	6200	4200	4000	4440
280	8900	4850	4850	4600
6 Poles 1000 RPM	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**	**Fa_0 [N]**
63	110	110	110	360
71	130	130	130	415
80	220	220	220	675
90	250	250	250	700
100	360	360	360	960
112	390	390	390	930
132	560	560	560	1310
160	3100	2130	2120	2650
180	3600	2600	2490	3030
200	5000	3260	3300	4000
225	5550	3710	3810	4650
250	6200	4510	4550	5500
280	7500	5300	5200	5750

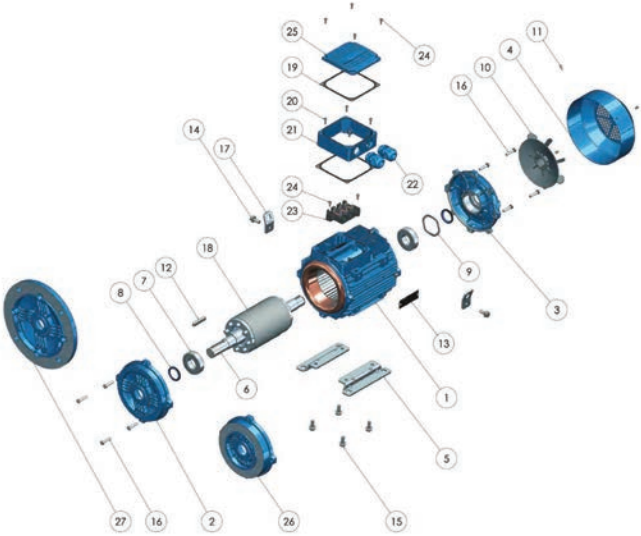
Fa0: Permissible axial load **Fr**: Radial load **Fr0**: Permissible radial load at shaft spigot **Fr max**: Permissible radial load at shaft end point (permissible loads are calculated for $L_{h\ 10}$20000 h bearing lifetimes according to ISO 281.)

MECALINE

Additional information

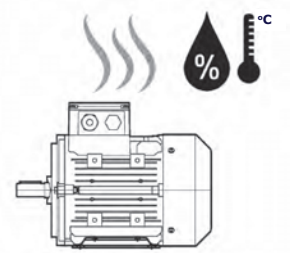
Please note that the following items are by request only

Spare parts



1	Housing
2	End shield (DE)
3	End shield (NDE)
4	Fan cover
5	Mounting foot
6	Shaft
7	Bearing
8	Shaft sealing
9	Spring washer
10	Fan
11	Screw
12	Key
13	Nameplate
14	Screw
15	Screw
16	Bolt
17	Lifting lug
18	Squirrel cage rotor
19	Terminal box gasket
20	Screw
21	Terminal box
22	Cable gland
23	Terminal
24	Screw
25	Terminal box cover
26	Flange B14
27	Flange B5

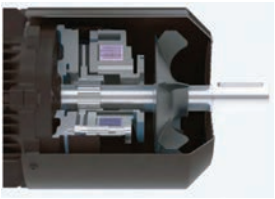
Anti-condensation heater and drain hole



Water condensation inside the motor can occur in high humidity environments. To prevent this, heaters anti-condensation heaters are assembled to the motor windings to maintain a certain temperature.

In addition, drain holes are opened to prevent water from accumulating in the motor body in the event of water condensation inside the motor.

Non drive end shaft extension and canopy



Non drive end shaft extension

Non drive end shaft is used when it is desired to transfer the motor power to a second load or to manually rotate it when the motor is not energized.

Canopy

It is used for operation in the outside environment where the motor fan is pointing upwards. This prevents the rainwater from entering the motor housing.

Brake, hand release, separately driven fan encoder and backstop

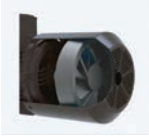
Electromagnetic brake

For each motor size we have the option of electromagnetic brake. Brakes with 24 Volt, 230 Volt and 400 Volt DC from 5Nm to 1600Nm are alternatively can be used as needed.

Brake with hand release

Hand release on the brake is used to release the system when the power is cut off or the power is not turned on.

Separately driven fan



Separately driven fan is used particularly in applications where the motor is driven by variable speed drives to keep the air flow at a constant level.

Separately driven fan with encoder

In applications where synchronous operation is desired, encoder application is used. The motor fan cannot be used since the encoder is mounted on the non drive end cover. For this reason, the motor is cooled by a separately driven fan.

Separately driven fan with brake and encoder

In applications where both brake and synchronous operation are desired, brake, encoder and separately driven fan options are all mounted to the non drive side of the motor.

Backstop

Backstop is used when the motor should rotate only in one direction and the motor should not rotate in the other direction. The backstop option in the fan cover is widely used.

Notes

V BELTS

EPDM Compound CRE Belts

Contents

Mecaline Belts

Mecaline belts range includes classical V belt, wrapped wedge belt and or cogged (moulded notched) belts.

All Mecaline belts are manufactured to the highest standards of industry and confirm to ISO, DIN and BS specification and anti-static to ISO 1813.

- Classical V belts are offered on Z, A, B, C and D profiles.
- Wrapped wedge belts in SPZ, SPA, SPB and SPC profile.
- Cogged (moulded notched) belts in XPZ, XPA, XPB and XPC profiles.

All of the above can be run on Mecaline dual duty V pulleys - taper bush type for ease of mounting and flexible in shaft size offering.

All Mecaline CRE belts are constructed using high performance EPDM compound for enhanced operating temperatures.

Quick overview of nominal dimension for V and wedge belts

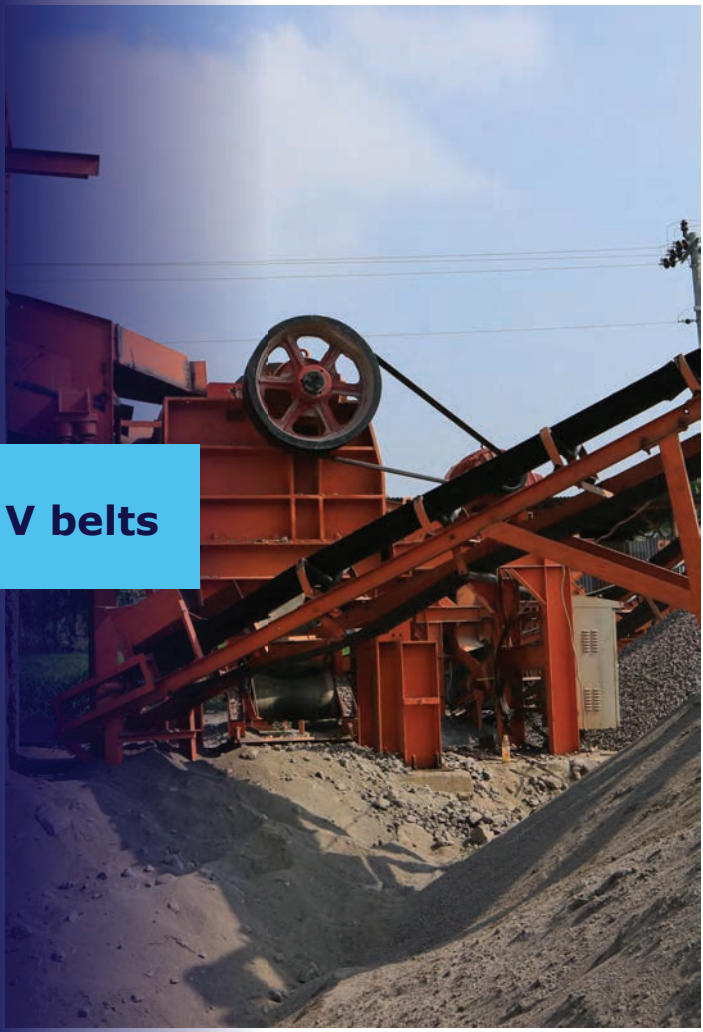
Classical V belt section	Z	A	B	C	D
Top width (mm)	10	13	17	22	32
Height (mm)	6	8	11	14	20

Common coding found on classical V belts:

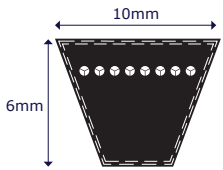
Li = Inside Length measurement
Lp = Pitch Length

Wedge belts/ CRE belts	SPZ/XPZ	SPA/XPA	SPB/XPB	SPC/XPC
Top width (mm)	10	13	16	22
Height (mm)	8	10	13	18

V belts



Z section V belts



- **Belt designation - Z35/Z910**
  Z35 - Inside length in imperial inches
  Z910 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** Z = 0.06

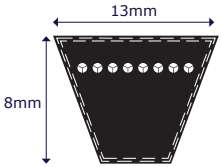
Rubix engineering code	Generic code
887644	Z15
890329	Z16/Z420
890086	Z17/Z445
890330	Z18/Z470
890331	Z19/Z495
889975	Z20/Z530
889976	Z20.1/2/Z543
889977	Z21/Z560
889979	Z21.1/4/Z562
889978	Z21.1/2/Z569
889980	Z22/Z580
889982	Z22.1/4/Z588
889981	Z22.1/2/Z594
889983	Z23/Z610
889984	Z23.1/2/Z619
889985	Z23.3/4/Z626
889986	Z24/Z630
889987	Z25/Z660
889988	Z25.1/2/Z670
889989	Z26/Z680
889990	Z26.1/2/Z690
889991	Z27/Z708
889992	Z27.1/2/Z721
889993	Z28/Z730
889994	Z28.1/2/Z740
889995	Z29/Z750
889996	Z29.1/2/Z770

Rubix engineering code	Generic code
889997	Z30/Z780
889998	Z30.1/2/Z797
889999	Z30.3/4/Z804
890000	Z31/Z810
890001	Z31.1/2/Z823
890002	Z32/Z835
890003	Z32.1/2/Z845
890004	Z33/Z860
890005	Z33.1/2/Z873
890006	Z34/Z890
890008	Z34.1/4/Z895
890007	Z34.1/2/Z900
890009	Z35/Z910
890010	Z35.1/2/Z920
890011	Z36/Z940
890012	Z36.1/2/Z950
890013	Z36.3/4/Z956
890014	Z37/Z960
890015	Z37.1/2/Z975
890016	Z38/Z990
890018	Z38.1/4/Z995
890017	Z38.1/2/Z1000
890019	Z39/Z1015
890020	Z40/Z1040
890021	Z40.1/2/Z1051
890022	Z41/Z1067
890023	Z41.1/2/Z1077

Rubix engineering code	Generic code
890024	Z42/Z1080
890025	Z42.1/2/Z1100
890026	Z43/Z1118
890027	Z43.1/4/Z1121
890028	Z44/Z1140
890029	Z45/Z1165
890030	Z46/Z1190
890087	Z46.1/2/Z1200
890031	Z47/Z1220
890032	Z48/Z1240
890033	Z49/Z1270
890034	Z50/Z1290
890035	Z50.1/2/Z1305
890036	Z51/Z1330
890037	Z52/Z1340
890038	Z53/Z1370
890039	Z54/Z1390
890040	Z55/Z1420
890041	Z56/Z1445
890042	Z57/Z1470
890043	Z58/Z1500
890044	Z59/Z1520
890045	Z59.1/2/Z1534
890046	Z61/Z1570
890047	Z62/Z1595
890048	Z63/Z1620
890049	Z65/Z1670

A section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



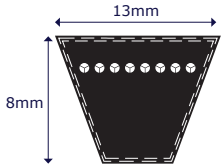
- **Belt designation - A35/A920**
  A35 - Inside length in imperial inches
  A920 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** A = 0.108

Rubix engineering code	Generic code
888808	A18/A490
888809	A19/A512
888810	A20/A540
888811	A21/A570
888812	A22/A590
888813	A23/A620
888814	A23.1/2/A630
888815	A24/A640
888816	A24.1/2/A655
888817	A24.3/4/A658
888818	A25/A670
888819	A25.1/2/A680
888820	A26/A690
888821	A26.1/2/A710
888822	A27/A720
888823	A27.1/2/A730
888824	A28/A740
888825	A28.1/2/A750
888826	A29/A770
888827	A29.1/2/A780
888828	A30/A790
888829	A30.1/2/A800
888830	A31/A820
888831	A31.1/2/A830

Rubix engineering code	Generic code
888832	A32/A850
888833	A32.1/2/A860
888834	A33/A870
888836	A33.1/4/A874
888835	A33.1/2/A880
888837	A34/A890
888838	A34.1/2/A900
888839	A35/A920
888840	A35.1/2/A930
888841	A36/A950
888842	A36.1/2/A960
888843	A37/A970
888845	A37.1/4/A988
888844	A37.1/2/A980
888846	A38/A995
888847	A38.1/2/A1010
888848	A39/A1020
888849	A39.1/2/A1035
888850	A40/A1050
888851	A40.1/2/A1060
888852	A41/A1070
888853	A41.1/2/A1085
888854	A41.3/4/A1090
888855	A42/A1100
888856	A42.1/2/A1110

Rubix engineering code	Generic code
888857	A43/A1130
888858	A43.1/2/A1135
888859	A43.3/4/A1140
888860	A44/A1150
888861	A44.1/2/A1160
888862	A45/A1180
888863	A45.1/2/A1190
888864	A46/A1200
888865	A46.1/2/A1215
888866	A47/A1230
888867	A48/A1250
888868	A48.1/4/A1255
890051	A48.1/2/A1265
888869	A49/A1280
888870	A50/A1300
888871	A51/A1330
888872	A51.1/2/A1340
888873	A52/A1350
888874	A52.1/2/A1365
888875	A53/A1380
888876	A53.1/4/A1385
888877	A54/A1400
888878	A55/A1430
888879	A56/A1460
888880	A57/A1480

A section V belts



- **Belt designation - A35/A920**
  A35 - Inside length in imperial inches
  A920 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** A = 0.108

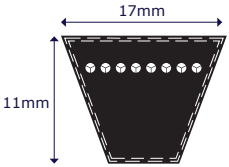
Rubix engineering code	Generic code
888881	A58/A1510
888882	A59/A1530
888883	A60/A1550
888884	A61/A1580
888885	A62/A1610
888886	A63/A1640
888887	A64/A1660
888888	A65/A1690
888889	A66/A1710
888890	A67/A1740
888891	A68/A1760
888892	A69/A1790
888893	A70/A1810
888894	A71/A1840
888895	A72/A1860
888896	A73/A1890
888897	A74/A1920
888898	A75/A1940
888899	A76/A1960
888900	A77/A1990
888901	A78/A2020
888902	A79/A2040
888903	A80/A2070
888904	A81/A2090
888905	A82/A2120

Rubix engineering code	Generic code
888906	A83/A2140
888907	A83.1/2/A2150
888908	A84/A2170
888909	A85/A2200
888910	A86/A2220
888911	A87/A2240
888912	A88/A2270
888913	A89/A2300
888914	A90/A2320
888915	A91/A2350
888916	A92/A2370
888917	A93/A2400
888918	A94/A2420
888919	A95/A2450
888920	A96/A2470
888921	A97/A2500
888922	A98/A2520
888778	A100/A2570
888779	A102/A2620
888780	A104/A2671
888781	A105/A2700
888782	A106/A2725
888783	A107/A2750
888784	A108/A2780
888785	A109/A2800

Rubix engineering code	Generic code
888786	A110/A2830
888787	A112/A2880
888788	A113/A2900
888789	A114/A2925
888790	A116/A2980
888791	A118/A3030
888792	A120/A3080
887645	A122
888793	A124/A3180
888794	A128/A3290
888795	A130/A3332
888796	A132/A3382
888797	A134/A3440
888798	A136/A3490
888799	A140/A3590
888800	A144/A3690
888801	A147/A3770
888802	A148/A3790
888803	A155/A3970
888804	A158/A4040
888805	A162/A4144
888806	A167/A4270
888807	A173/A4430
890050	A197/A5040

B section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



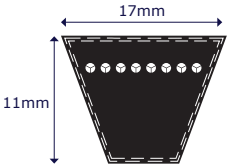
- **Belt designation - B52/B1360**
  B52 - Inside length in imperial inches
  B1360 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** B = 0.182

Rubix engineering code	Generic code
888989	B22.1/2/B610
888997	B23/B624
889000	B24/B650
889004	B25/B675
889009	B26/B700
889013	B27/B725
889016	B28/B750
889017	B28.1/2/B760
889020	B29/B780
889021	B29.1/2/A790
889022	B30/B800
889024	B31/B830
889025	B31.1/2/B845
889027	B32/B860
889029	B32.1/4/B859
889028	B32.1/2/B865
889030	B33/B880
889031	B33.1/2/B890
889033	B34/B910
889034	B34.1/2/B920
889036	B35/B930
889037	B35.1/2/B940
889038	B35.3/4/A950
889039	B36/B960
889040	B36.1/2/B970
889041	B36.3/4/B975
889046	B37/B980
889047	B37.1/2/B990
889048	B38/B1000
889049	B38.1/2/B1020
889050	B39/B1030
889051	B39.1/2/B1045
889053	B40/B1060
889054	B40.1/2/B1070
889055	B41/B1080
889056	B41.1/2/B1090
889057	B41.3/4/B1100

Rubix engineering code	Generic code
889058	B42/B1110
889059	B42.1/2/B1120
889060	B43/B1130
889062	B43.1/4/B1140
889061	B43.1/2/B1145
889064	B44/B1160
8890645	B44.1/4/B1165
889066	B45/B1180
889067	B45.1/2/B1195
889068	B46/B1210
889069	B46.1/2/B1220
889070	B46.3/4/B1227
889071	B47/B1240
889073	B47.1/4/B1240
889072	B47.1/2/B1250
889075	B48/B1260
889076	B48.1/2/B1270
889077	B49/B1290
889078	B50/B1310
889079	B51/B1340
889081	B52/B1360
889082	B53/B1390
889083	B53.1/2/B1398
889084	B54/B1410
889085	B55/B1440
889086	B55.1/2/B1450
889087	B56/B1460
889088	B57/B1490
889089	B58/B1510
889090	B58.3/4/B1516
889091	B59/B1540
887647	B59.1/2
889092	B60/B1560
889093	B61/B1590
889094	B62/B1620
889095	B63/B1640
889096	B64/B1670

Rubix engineering code	Generic code
889097	B64.1/2/B1678
889098	B65/B1690
889099	B66/B1720
889101	B66.1/4/B1722
889100	B66.1/2/B1729
889102	B67/B1740
889103	B67.1/4/B1748
889104	B68/B1760
889105	B69/B1800
889106	B69.1/2/B1810
889107	B70/B1820
889108	B71/B1850
889109	B72/B1870
889110	B73/B1900
889111	B74/B1920
889112	B75/B1950
889113	B76/B1970
889114	B77/B2000
889115	B78/B2020
889116	B79/B2050
889117	B80/B2070
889118	B80.3/4/B2091
889119	B81/B2100
889120	B82/B2130
889121	B83/B2150
889122	B83.1/2/B2160
889123	B84/B2180
889124	B85/B2200
889125	B86/B2230
889126	B86.1/2/B2237
889127	B87/B2250
889128	B88/B2280
889129	B89/B2300
889130	B90/B2330
889131	B91/B2350
889132	B92/B2380
889133	B93/B2400

B section V belts



- **Belt designation - B52/B1360**
  B52 - Inside length in imperial inches
  B1360 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** B = 0.182

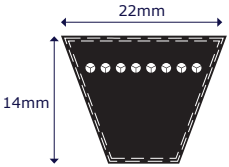
Rubix engineering code	Generic code
889134	B94/B2430
889135	B94.1/2/B2440
889136	B95/B2450
889137	B96/B2480
889138	B96.1/2/B2490
889139	B97/B2500
889140	B98/B2530
889141	B99/B2560
888923	B100/B2580
888924	B101/B2610
888925	B102/B2630
888926	B103/B2660
888927	B104/B2680
888928	B105/B2710
888929	B106/B2740
888930	B107/B2760
888931	B108/B2790
888932	B109/B2810
888933	B110/B2840
888934	B112/B2890
888935	B112.1/2/B2897
888936	B114/B2940
888937	B115/B2960
888938	B116/B2990
888939	B118/B3040
888940	B120/B3090
888941	B122/B3140
888942	B124/B3200
888943	B126/B3240
888944	B127/B3270
888945	B128/B3290
888946	B130/B3350
888947	B131/B3380
888948	B132/B3400
888949	B133/B3430
888950	B134/B3450

Rubix engineering code	Generic code
888951	B135/B3470
888952	B136/B3500
888953	B138/B3550
888954	B140/B3600
888955	B142/B3650
888956	B144/B3700
888957	B146/B3750
888958	B147/B3780
888959	B148/B3800
888960	B150/B3850
888961	B151/B3875
888962	B152/B3900
888963	B154/B3950
888964	B155/B3980
888965	B156/B4010
888966	B157/B4050
888967	B158/B4060
888968	B160/B4110
888969	B161/B4130
888970	B162/B4160
888971	B163/B4180
888972	B165/B4230
888973	B167/B4280
888974	B168/B4310
888975	B173/B4430
888976	B175/B4490
888977	B177/B4540
888978	B180/B4610
888979	B186/B4760
888980	B187/A4790
888981	B188/B4820
888982	B192/B4920
888983	B195/B5000
888984	B197/B5043
888985	B204/B5220
888986	B208/B5330

Rubix engineering code	Generic code
888987	B210/B5370
888988	B217/B5550
888990	B220/B5630
888991	B221/B5660
888992	B223/B5700
888993	B224/B5730
888994	B225/B5760
888995	B228/B5830
888996	B229/B5860
888998	B236/B6040
888999	B237/B6060
889001	B240/B6140
889002	B248/B6340
889003	B249/B6365
889005	B253/B6470
889006	B255/B6520
889007	B256/B6545
889008	B259/B6620
889010	B264/B6750
889011	B265/B6770
889012	B269/B6880
889014	B270/B6900
889015	B276/B7050
889018	B280/B7150
889019	B285/B7280
889023	B300/B7660
889026	B315/B8040
889032	B330/B8422
889035	B345/B8800
889042	B360/B9184
889043	B361/B9209
889044	B364/B9285
889045	B366/B9336
889052	B394/B10047
889063	B433/B11038
889074	B472/B1202
889080	B512/B13044

C section V belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



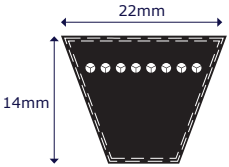
- **Belt designation - C48/C1280**
  C48 - Inside length in imperial inches
  C1280 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** C = 0.299

Rubix engineering code	Generic code
889219	C33.3/4/C915
887648	C37
889224	C37.1/2/C1010
889225	C39.3/4/C1067
889229	C43/C1150
887649	C44
889230	C45/C1200
889231	C46/C1230
889232	C47/C1250
889233	C48/C1280
889234	C49/C1300
889235	C51/C1350
889236	C52/C1380
889237	C53/C1400
889238	C54/C1430
889239	C55/C1450
889240	C55.1/4/C1460
889241	C56/C1480
889242	C57/C1500
889243	C58/C1530
889244	C59/C1560
889245	C60/C1580
889246	C61/C1610
889247	C62/C1630
889248	C62.1/4/C1639
889249	C63/C1650

Rubix engineering code	Generic code
889250	C65/C1700
889251	C66/C1730
889252	C66.1/2/C1740
889253	C67/C1760
889254	C68/C1780
889255	C69/C1810
889256	C70/C1830
889257	C71/C1860
889258	C72/C1880
889259	C73/C1910
889260	C74/C1940
889261	C75/C1960
889262	C76/C1990
889263	C77/C2010
889264	C78/C2040
889265	C79/C2060
889266	C80/C2090
889267	C81/C2110
889268	C82/C2140
889269	C83/C2160
889270	C83.1/2/C2175
889271	C84/C2190
889272	C85/C2220
889273	C86/C2240
889274	C87/C2270
889275	C88/C2290

Rubix engineering code	Generic code
889276	C89/C2320
889277	C90/C2340
889278	C92/C2390
889279	C93/C2420
889280	C94/C2440
889281	C95/C2470
889282	C96/C2490
889283	C96.1/2/C2510
889284	C97/C2520
889285	C98/C2550
889286	C99/C2570
889142	C100/C2600
889143	C101/C2620
889144	C102/C2650
889145	C104/C2700
889146	C105/C2720
889147	C106/C2750
887650	C107
889148	C108/C2800
889149	C110/C2850
889150	C111/C2880
889151	C112/C2900
889152	C112.1/2/C2915
889153	C114/C2950
889154	C115/C2980
889155	C116/C3000

C section V belts



- **Belt designation - C48/C1280**
  C48 - Inside length in imperial inches
  C1280 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** C = 0.299

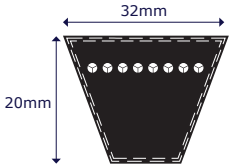
Rubix engineering code	Generic code
889156	C117/C3030
889157	C118/C3050
889158	C120/C3100
889159	C122/C3160
889160	C124/C3210
889161	C126/C3260
889162	C128/C3310
889163	C130/C3360
889164	C132/C3410
889165	C134/C3460
889166	C136/C3510
889167	C138/C3560
889168	C140/C3610
889169	C142/C3660
889170	C144/C3710
890052	C146/C3760
889171	C147/C3790
889172	C148/C3820
889173	C150/C3870
889174	C153/C3950
887651	C154
889175	C157/C4045
889176	C158/C4070
889177	C160/C4120
889178	C161.1/2/C4160
889179	C162/C4170

Rubix engineering code	Generic code
889180	C165/C4250
889181	C166/C4280
889182	C167/C4300
889183	C168/C4320
889184	C170/C4375
889185	C173/C4450
889186	C175/C4500
889187	C177/C4550
889188	C180/C4630
889189	C187/C4810
889190	C190/C4880
887652	C193
889191	C195/C5010
889192	C197/C5060
889193	C204/C5240
887653	C205
889194	C208/C5340
889195	C210/C5390
889196	C216/C5540
889197	C220/C5640
889198	C222/C5700
889199	C225/C5770
889200	C228/C5850
889201	C236/C6050

Rubix engineering code	Generic code
889202	C238/C6100
889203	C240/C6150
889204	C248/C6360
889205	C250/C6410
889206	C255/C6535
889207	C265/C6789
889208	C270/C6910
889209	C276/C7070
889210	C280/C7170
889211	C285/C7300
889212	C295/C7550
889213	C297/C7600
889214	C300/C7680
889215	C303/C7754
889216	C314/C8030
889217	C316/C8080
889218	C320/C8190
889220	C330/C8440
889221	C336/C8590
889222	C345/C8820
889223	C360/C9202
889226	C394/C10065
889227	C420/C10725
889228	C424/C10830

D section V belts

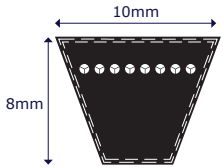
Mecaline V belts conform to BS3790, ISO 4184 & DIN 2215.
Static conductive to ISO 1813.



- **Belt designation - D173/D4470**
  D173 - Inside length in imperial inches
  D4470 - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** D = 0.608

Rubix engineering code	Generic code
890073	D98/D2560
887655	D142.1/2
890053	D144/D3730
887656	D152
890054	D173/D4470
890055	D177/D4580
890056	D180/D4650
887657	D187
887658	D194
890057	D195/D5030
890058	D197/D5080
890059	D210/D5400
890060	D220/D5670
890061	D225/D5800
887659	D236
890062	D240/D6170
890063	D248/D6380
890064	D250/D6425
890065	D270/D6940
890066	D300/D7700
890067	D315/D8080
890068	D330/D8460
890069	D354/D9070
890070	D394/D10080
890071	D441/D11280
890072	D480/D12270

SPZ wedge belts



- **Belt designation**
  SPZ1200E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPZ = 0.079

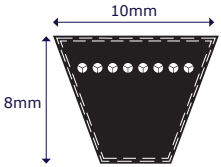
Rubix engineering code	Generic code
889642	SPZ487E
889643	SPZ512E
889644	SPZ562E
889645	SPZ587E
889646	SPZ607E
889647	SPZ612E
889648	SPZ630E
889649	SPZ637E
889650	SPZ662E
889651	SPZ670E
889652	SPZ687E
890470	SPZ700E
889653	SPZ710E
890471	SPZ712E
890472	SPZ721E
889654	SPZ722E
889655	SPZ737E
889656	SPZ750E
889657	SPZ762E
889658	SPZ772E
889659	SPZ787E
889660	SPZ800E
890473	SPZ803E
889661	SPZ812E
889662	SPZ825E

Rubix engineering code	Generic code
889663	SPZ837E
889664	SPZ850E
889665	SPZ862E
889666	SPZ875E
889667	SPZ887E
889668	SPZ900E
889669	SPZ912E
889670	SPZ922E
889671	SPZ925E
889672	SPZ937E
889673	SPZ950E
889674	SPZ962E
889675	SPZ975E
889676	SPZ987E
889539	SPZ1000E
889540	SPZ1010E
889541	SPZ1012E
889542	SPZ1024E
889543	SPZ1030E
889544	SPZ1037E
889545	SPZ1047E
889546	SPZ1060E
889547	SPZ1077E
889548	SPZ1087E
889549	SPZ1112E

Rubix engineering code	Generic code
889550	SPZ1120E
889551	SPZ1137E
889552	SPZ1140E
889553	SPZ1147E
889554	SPZ1150E
889555	SPZ1162E
889556	SPZ1180E
889557	SPZ1187E
889558	SPZ1200E
889559	SPZ1202E
889560	SPZ1212E
889561	SPZ1220E
889562	SPZ1237E
889563	SPZ1250E
889564	SPZ1262E
889565	SPZ1270E
889566	SPZ1287E
889567	SPZ1300E
889568	SPZ1312E
889569	SPZ1320E
889570	SPZ1337E
889571	SPZ1340E
889572	SPZ1347E
890469	SPZ1348E
889573	SPZ1360E

SPZ wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.



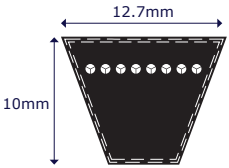
- **Belt designation**
  SPZ1200E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPZ = 0.079

Rubix engineering code	Generic code
889574	SPZ1362E
889575	SPZ1387E
889576	SPZ1400E
889577	SPZ1412E
889578	SPZ1420E
889579	SPZ1437E
889580	SPZ1450E
889581	SPZ1462E
889582	SPZ1470E
889583	SPZ1487E
889584	SPZ1500E
889585	SPZ1512E
889586	SPZ1520E
889587	SPZ1537E
889588	SPZ1550E
889589	SPZ1562E
889590	SPZ1587E
889591	SPZ1600E
889592	SPZ1612E
889593	SPZ1637E
889594	SPZ1650E
889595	SPZ1662E
889596	SPZ1687E
889597	SPZ1700E
889598	SPZ1737E

Rubix engineering code	Generic code
889599	SPZ1750E
889600	SPZ1762E
889601	SPZ1787E
889602	SPZ1800E
889603	SPZ1812E
889604	SPZ1837E
889605	SPZ1850E
889606	SPZ1862E
889607	SPZ1887E
889608	SPZ1900E
889609	SPZ1937E
889610	SPZ1962E
889611	SPZ1987E
889612	SPZ2000E
889613	SPZ2019E
889614	SPZ2030E
889615	SPZ2037E
889616	SPZ2060E
889617	SPZ2062E
889618	SPZ2087E
889619	SPZ2120E
889620	SPZ2137E

Rubix engineering code	Generic code
889621	SPZ2150E
889622	SPZ2160E
889623	SPZ2180E
889624	SPZ2187E
889625	SPZ2240E
889626	SPZ2262E
889627	SPZ2287E
889628	SPZ2360E
889629	SPZ2410E
889630	SPZ2437E
889631	SPZ2487E
889632	SPZ2500E
889633	SPZ2540E
889634	SPZ2650E
889635	SPZ2690E
889636	SPZ2800E
889637	SPZ2840E
889638	SPZ3000E
889639	SPZ3150E
889640	SPZ3350E
889641	SPZ3550E

SPA wedge belts



- **Belt designation**
  SPA2500E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPA = 0.125

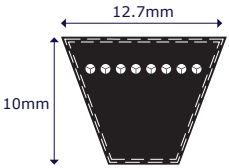
Rubix engineering code	Generic code
889404	SPA707E
889405	SPA732E
889406	SPA757E
889407	SPA782E
889408	SPA800E
889409	SPA807E
889410	SPA825E
889411	SPA832E
889412	SPA850E
889413	SPA857E
889414	SPA875E
889415	SPA882E
889416	SPA900E
889417	SPA907E
889418	SPA925E
889419	SPA932E
889420	SPA950E
889421	SPA957E
889422	SPA967E
889423	SPA975E
889424	SPA982E
889287	SPA1000E
889288	SPA1007E
889289	SPA1032E
890466	SPA1057E

Rubix engineering code	Generic code
889290	SPA1060E
889291	SPA1082E
889292	SPA1107E
889293	SPA1120E
889294	SPA1132E
889295	SPA1150E
889296	SPA1157E
889297	SPA1180E
889298	SPA1207E
889299	SPA1220E
889300	SPA1232E
889301	SPA1250E
889302	SPA1257E
889303	SPA1272E
889304	SPA1282E
889305	SPA1307E
889306	SPA1320E
889307	SPA1332E
889308	SPA1357E
889309	SPA1360E
889310	SPA1382E
889311	SPA1400E
889312	SPA1407E
889313	SPA1425E
889314	SPA1432E

Rubix engineering code	Generic code
889315	SPA1450E
889316	SPA1457E
889317	SPA1482E
889318	SPA1500E
889319	SPA1507E
889320	SPA1532E
889321	SPA1550E
889322	SPA1557E
889323	SPA1582E
889324	SPA1600E
889325	SPA1607E
889326	SPA1632E
889327	SPA1650E
889328	SPA1657E
889329	SPA1682E
889330	SPA1700E
889331	SPA1707E
889332	SPA1732E
889333	SPA1750E
889334	SPA1757E
889335	SPA1782E
889336	SPA1800E
889337	SPA1807E
889338	SPA1832E
889339	SPA1850E

SPA wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.



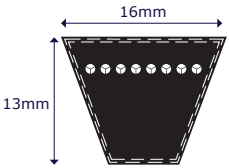
- **Belt designation**
  SPA2500E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPA = 0.125

Rubix engineering code	Generic code
889340	SPA1857E
889341	SPA1882E
889342	SPA1900E
889343	SPA1907E
889344	SPA1925E
889345	SPA1932E
889346	SPA1950E
889347	SPA1957E
889348	SPA1982E
889349	SPA2000E
889350	SPA2032E
889351	SPA2057E
889352	SPA2060E
889353	SPA2082E
889354	SPA2120E
889355	SPA2132E
889356	SPA2180E
889357	SPA2182E
889358	SPA2207E
889359	SPA2232E
889360	SPA2240E
889361	SPA2282E
889362	SPA2300E

Rubix engineering code	Generic code
889363	SPA2307E
889364	SPA2332E
889365	SPA2360E
889366	SPA2382E
889367	SPA2430E
889368	SPA2432E
889369	SPA2482E
889370	SPA2500E
889371	SPA2532E
889372	SPA2580E
889373	SPA2582E
889374	SPA2607E
889375	SPA2632E
889376	SPA2650E
889377	SPA2682E
889378	SPA2720E
889379	SPA2732E
889380	SPA2782E
889381	SPA2800E
889382	SPA2832E
889383	SPA2847E
889384	SPA2882E
889385	SPA2900E

Rubix engineering code	Generic code
889386	SPA2932E
889387	SPA2982E
889388	SPA3000E
889389	SPA3032E
889390	SPA3082E
889391	SPA3150E
889392	SPA3182E
890467	SPA3185E
889393	SPA3250E
889394	SPA3282E
889395	SPA3350E
889396	SPA3382E
890074	SPA3450E
889397	SPA3550E
889398	SPA3650E
889399	SPA3750E
889400	SPA4000E
889401	SPA4250E
889402	SPA4500E
889403	SPA4750E

SPB wedge belts



- **Belt designation**
  SPB8000E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPB = 0.182

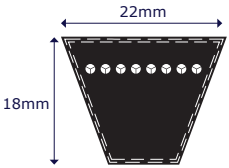
Rubix engineering code	Generic code
889425	SPB1250E
889426	SPB1280E
889427	SPB1320E
889428	SPB1360E
889429	SPB1400E
889430	SPB1410E
889431	SPB1450E
889432	SPB1500E
889433	SPB1550E
889434	SPB1600E
889435	SPB1650E
889436	SPB1700E
890468	SPB1720E
889437	SPB1750E
889438	SPB1800E
889439	SPB1850E
889440	SPB1860E
889441	SPB1900E
889442	SPB1950E
889443	SPB2000E
889444	SPB2020E
889445	SPB2060E
889446	SPB2098E
889447	SPB2120E
889448	SPB2150E
889449	SPB2180E
889450	SPB2240E
889451	SPB2264E
889452	SPB2280E

Rubix engineering code	Generic code
889453	SPB2300E
889454	SPB2360E
889455	SPB2391E
889456	SPB2400E
889457	SPB2410E
889458	SPB2430E
889459	SPB2450E
889460	SPB2500E
889461	SPB2530E
889462	SPB2580E
889463	SPB2600E
889464	SPB2650E
889465	SPB2680E
889466	SPB2720E
889467	SPB2800E
889468	SPB2840E
889469	SPB2850E
889470	SPB2900E
889471	SPB2950E
889472	SPB3000E
889473	SPB3070E
889474	SPB3150E
889475	SPB3170E
890075	SPB3200E
889476	SPB3250E
889477	SPB3320E
889478	SPB3350E
889479	SPB3450E
889480	SPB3550E

Rubix engineering code	Generic code
889481	SPB3650E
889482	SPB3750E
889483	SPB3800E
889484	SPB3870E
889485	SPB4000E
889486	SPB4050E
890076	SPB4060E
889487	SPB4120E
889488	SPB4250E
889489	SPB4300E
889490	SPB4370E
889491	SPB4500E
889492	SPB4560E
889493	SPB4620E
889494	SPB4750E
889495	SPB4820E
889496	SPB4870E
889497	SPB5000E
889498	SPB5070E
889499	SPB5300E
889500	SPB5600E
890077	SPB5680E
889501	SPB6000E
889502	SPB6300E
889503	SPB6700E
889504	SPB7100E
889505	SPB7500E
889506	SPB8000E

SPC wedge belts

Mecaline V belts conform to BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.

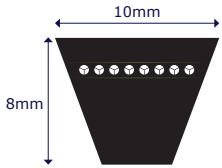


- **Belt designation**
  SPC4250E - Pitch length in mm
- **Working temperature (°C):** -40 to +70
- **Belt mass (Kg/M):** SPC = 0.348

Rubix engineering code	Generic code
890078	SPC1060E
889510	SPC2000E
889511	SPC2120E
889512	SPC2240E
889513	SPC2360E
889514	SPC2500E
889515	SPC2650E
889516	SPC2800E
890081	SPC2900E
889517	SPC3000E
889518	SPC3150E
889519	SPC3350E
889520	SPC3500E
889521	SPC3550E
889522	SPC3750E
889523	SPC4000E
890082	SPC4100E
889524	SPC4250E
890083	SPC4400E

Rubix engineering code	Generic code
889525	SPC4500E
889526	SPC4750E
889527	SPC5000E
889528	SPC5300E
889529	SPC5600E
889530	SPC6000E
889531	SPC6300E
889532	SPC6700E
889533	SPC7100E
889534	SPC7500E
889535	SPC8000E
889536	SPC8500E
889537	SPC9000E
889538	SPC9500E
889507	SPC10000E
889508	SPC10600E
890079	SPC11200E
889509	SPC11800E
890080	SPC13200E

XPZ CRE belts



- **Belt designation**
  XPZ1320 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPZ = 0.065

Rubix engineering code	Generic code
889940	XPZ512MC
889941	XPZ562MC
889942	XPZ587MC
889943	XPZ607MC
889944	XPZ612MC
889945	XPZ630MC
889946	XPZ637MC
889947	XPZ662MC
889948	XPZ670MC
889949	XPZ687MC
889950	XPZ710MC
889951	XPZ722MC
889952	XPZ730MC
889953	XPZ737MC
889954	XPZ750MC
889955	XPZ762MC
889956	XPZ772MC
889957	XPZ787MC
889958	XPZ800MC
889959	XPZ812MC
889960	XPZ837MC
889961	XPZ850MC
889962	XPZ852MC
889963	XPZ862MC
889964	XPZ875MC

Rubix engineering code	Generic code
889965	XPZ887MC
889966	XPZ900MC
889967	XPZ912MC
889968	XPZ925MC
889969	XPZ937MC
889970	XPZ940MC
889971	XPZ950MC
889972	XPZ962MC
889973	XPZ975MC
889974	XPZ987MC
889860	XPZ1000MC
889861	XPZ1012MC
889862	XPZ1024MC
889863	XPZ1030MC
889864	XPZ1037MC
889865	XPZ1047MC
889866	XPZ1060MC
889867	XPZ1062MC
889868	XPZ1077MC
889869	XPZ1080MC
889870	XPZ1087MC
889871	XPZ1112MC
889872	XPZ1120MC
889873	XPZ1137MC
889874	XPZ1162MC

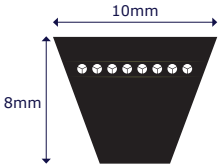
Rubix engineering code	Generic code
889875	XPZ1180MC
889876	XPZ1187MC
889877	XPZ1202MC
889878	XPZ1212MC
889879	XPZ1237MC
889880	XPZ1250MC
889881	XPZ1262MC
889882	XPZ1270MC
889883	XPZ1280MC
889884	XPZ1287MC
889885	XPZ1312MC
889886	XPZ1320MC
889887	XPZ1337MC
889888	XPZ1362MC
889889	XPZ1387MC
889890	XPZ1400MC
889891	XPZ1412MC
889892	XPZ1420MC
889893	XPZ1437MC
889894	XPZ1462MC
889895	XPZ1470MC
889896	XPZ1487MC
889897	XPZ1500MC
889898	XPZ1512MC
889899	XPZ1520MC

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

XPZ CRE belts

Mecaline V belts conform BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.



- **Belt designation**
  XPZ1320 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPZ = 0.065

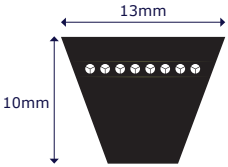
Rubix engineering code	Generic code
889900	XPZ1537MC
889901	XPZ1562MC
889902	XPZ1587MC
889903	XPZ1600MC
889904	XPZ1612MC
889905	XPZ1637MC
889906	XPZ1650MC
889907	XPZ1662MC
889908	XPZ1700MC
889909	XPZ1737MC
889910	XPZ1750MC
889911	XPZ1762MC
889912	XPZ1800MC
889913	XPZ1812MC
889914	XPZ1850MC
889915	XPZ1862MC
889916	XPZ1887MC
889917	XPZ1900MC
889918	XPZ1937MC
889919	XPZ1950MC

Rubix engineering code	Generic code
889920	XPZ2000MC
889921	XPZ2030MC
889922	XPZ2037MC
889923	XPZ2120MC
889924	XPZ2160MC
889925	XPZ2240MC
889926	XPZ2280MC
889927	XPZ2360MC
889928	XPZ2410MC
889929	XPZ2500MC
889930	XPZ2540MC
889931	XPZ2650MC
889932	XPZ2690MC
889933	XPZ2800MC
889934	XPZ2840MC
889935	XPZ3000MC
889936	XPZ3150MC
889937	XPZ3170MC
889938	XPZ3350MC
889939	XPZ3550MC

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

XPA CRE belts



- **Belt designation**
  XPA2500 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPA = 0.115

Rubix engineering code	Generic code
889767	XPA667MC
889768	XPA682MC
889769	XPA732MC
889770	XPA757MC
889771	XPA782MC
889772	XPA800MC
889773	XPA807MC
889774	XPA832MC
889775	XPA850MC
889776	XPA857MC
889777	XPA882MC
889778	XPA900MC
889779	XPA907MC
889780	XPA925MC
889781	XPA932MC
889782	XPA950MC
889783	XPA957MC
889784	XPA969MC
889785	XPA982MC
889677	XPA1000MC
889678	XPA1007MC
889679	XPA1030MC
889680	XPA1032MC
889681	XPA1057MC
889682	XPA1060MC
889683	XPA1082MC
889684	XPA1107MC
889685	XPA1120MC
889686	XPA1132MC
889687	XPA1150MC
889688	XPA1157MC
889689	XPA1162MC
889690	XPA1180MC
889691	XPA1182MC
889692	XPA1207MC
889693	XPA1232MC

Rubix engineering code	Generic code
889694	XPA1250MC
889695	XPA1257MC
889696	XPA1272MC
889697	XPA1282MC
889698	XPA1307MC
889699	XPA1320MC
889700	XPA1332MC
889701	XPA1357MC
889702	XPA1360MC
889703	XPA1382MC
889704	XPA1400MC
889705	XPA1407MC
889706	XPA1420MC
889707	XPA1432MC
889708	XPA1450MC
889709	XPA1457MC
889710	XPA1482MC
889711	XPA1500MC
889712	XPA1507MC
889713	XPA1532MC
889714	XPA1550MC
889715	XPA1557MC
889716	XPA1582MC
889717	XPA1600MC
889718	XPA1607MC
889719	XPA1632MC
889720	XPA1650MC
889721	XPA1682MC
889722	XPA1700MC
889723	XPA1732MC
889724	XPA1750MC
889725	XPA1757MC
889726	XPA1782MC
889727	XPA1800MC
889728	XPA1832MC
889729	XPA1850MC
889730	XPA1882MC

Rubix engineering code	Generic code
889731	XPA1900MC
889732	XPA1932MC
889733	XPA1950MC
889734	XPA1957MC
889735	XPA1982MC
889736	XPA2000MC
889737	XPA2032MC
889738	XPA2057MC
889739	XPA2082MC
889740	XPA2120MC
889741	XPA2160MC
889742	XPA2182MC
889743	XPA2240MC
889744	XPA2282MC
889745	XPA2300MC
889746	XPA2360MC
889747	XPA2432MC
889748	XPA2482MC
889749	XPA2500MC
889750	XPA2532MC
889751	XPA2582MC
889752	XPA2607MC
889753	XPA2632MC
889754	XPA2650MC
889755	XPA2682MC
889756	XPA2732MC
889757	XPA2782MC
889758	XPA2800MC
889759	XPA3000MC
889760	XPA3150MC
889761	XPA3350MC
889762	XPA3550MC
889763	XPA3750MC
889764	XPA4000MC
889765	XPA4250MC
889766	XPA4500MC

EPDM Compound CRE Belts

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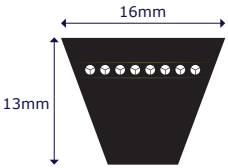
XPB CRE belts

Mecaline V belts conform BS3790, ISO 4184 & DIN 7753.
Static conductive to ISO 1813.



- **Belt designation**
  XPB4500 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPB = 0.170

Rubix engineering code	Generic code
889786	XPB1250MC
889787	XPB1260MC
889788	XPB1320MC
889789	XPB1340MC
889790	XPB1400MC
889791	XPB1410MC
889792	XPB1450MC
889793	XPB1500MC
889794	XPB1510MC
890084	XPB1550MC
889795	XPB1590MC
889796	XPB1600MC
889797	XPB1650MC
889798	XPB1690MC
889799	XPB1700MC
889800	XPB1750MC
889801	XPB1800MC
889802	XPB1850MC
889803	XPB1900MC
889804	XPB1950MC

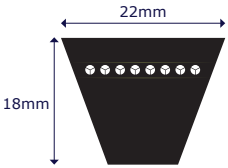
Rubix engineering code	Generic code
889805	XPB1970MC
889806	XPB2000MC
889807	XPB2020MC
889808	XPB2060MC
889809	XPB2120MC
889810	XPB2150MC
889811	XPB2180MC
889812	XPB2240MC
889813	XPB2280MC
889814	XPB2300MC
889815	XPB2360MC
890085	XPB2400MC
889816	XPB2410MC
889817	XPB2430MC
889818	XPB2500MC
889819	XPB2530MC
889820	XPB2580MC
889821	XPB2650MC
889822	XPB2680MC
889823	XPB2800MC

Rubix engineering code	Generic code
889824	XPB2840MC
889825	XPB2900MC
889826	XPB2990MC
889827	XPB3000MC
889828	XPB3070MC
889829	XPB3150MC
889830	XPB3170MC
889831	XPB3340MC
889832	XPB3350MC
889833	XPB3550MC
889834	XPB3750MC
889835	XPB3800MC
889836	XPB4000MC
889837	XPB4060MC
889838	XPB4250MC
889839	XPB4500MC
889840	XPB4560MC
889841	XPB4750MC
889842	XPB5000MC

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

XPC CRE belts



- **Belt designation**
  XPC3350 - Pitch length in mm
- **Working temperature (°C):** -40 to +120
- **Belt mass (Kg/M):** XPC = 0.335

Rubix engineering code	Generic code
889843	XPC2000MC
889844	XPC2120MC
889845	XPC2240MC
889846	XPC2360MC
889847	XPC2500MC
889848	XPC2650MC
889849	XPC2800MC
889850	XPC3000MC
889851	XPC3150MC
889852	XPC3350MC
889853	XPC3550MC
889854	XPC3750MC
889855	XPC4000MC
889856	XPC4250MC
889857	XPC4500MC
889858	XPC4750MC
889859	XPC5000MC

EPDM Compound CRE Belts

All Mecaline CRE belts are constructed using high performance EPDM compond for enhanced operating temperatures.

Drive Design Guide

Technical information

Belt selection

a) Speed ratio:

Calculate the speed ratio by dividing the rev/min of the faster shaft by the rev/min of the slower shaft.

b) Service factor:

From the Table 2 on page 74, select the service factor which is appropriate for the drive.

c) Design power:

Multiply the normal running power in kW (absorbed if known) by the service factor.

d) Belt selection:

Using Table 1 on the opposite page, align the rev/min of faster shaft along the horizontal axis, at this point trace upwards along the vertical axis. Choose the belt section at point of intersection.

e) Min pulley diameter:

From Table 3 on page 74, make a note of the min pulley diameter based on design motor power worked out in *c)*.

f) Pulley selection:

Using Table 4 on page 74, select pulley/belt profile and choose suitable combination of drive and driven pulleys to achieve desired or closest ratio.

Avoid using non standard or made to order pulleys. Always check and note appropriate bush sizes on selected pulleys and make sure that they will accommodate shaft sizes on drive.

g) Belt length:

To determine the belt length required, refer to the belt length and centre distance formula (page 92). Check on pages 61-71 to determine whether the length of the belt is available. If not choose the nearest available belt length and calculate the exact centre distance from formula given.

h) Arc and belt length correction factor:

Whilst choosing desired belt, make a note of the combined arc and belt length correction factor. The combined correction factor is obtained by multiplying the belt length factor (found on Table 6 by the arc of contact factor found on page 86.)

It is advisable at this point to carry out a belt speed check (formula on page 92). Belt speeds over 30m/s will require different grade of pulley material. Please consult a Mecaline engineer.

i) Basic power per belt:

Referring to power rating tables on pages 75-82, select the faster shaft speed (speed of small pulley). On this line read across to the column headed by the pitch diameter of the small pulley and note rated power. This is basic rated power per belt.

j) Additional power rating:

Referring to additional power rating tables on pages 83-84, select the faster shaft speed (speed of small pulley). On this line read across to the column headed by the pitch diameter of the small pulley and note value.

k) Corrected power belt:

Add the basic power per belt from *i)* to additional power rating found in *k)* and then multiply by the value found in *h)* arc and belt length correction factor.

l) Number of belts:

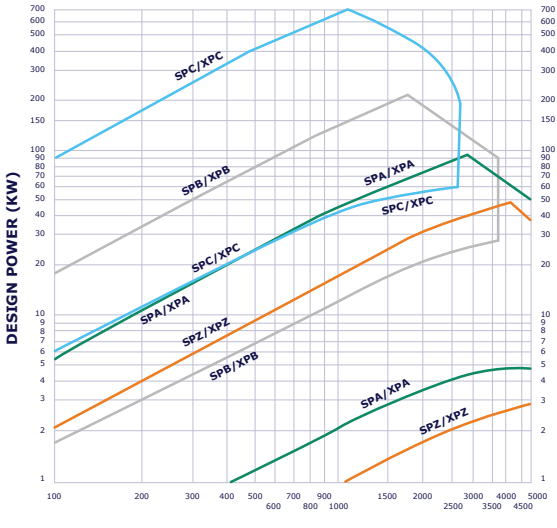
Divide the design power by the value found in *k)*. This will give you the number of belts required for the drive. Always round up to whole number.

m) Full drive details:

Make a note of the pulley and bush sizes found in *f)* along with the shaft sizes.

- Belt length from finding in *g)*
- Number of belts from calculation in *l)*

Table 1



Service factor table

Table 2

Type of driven machine		Soft starts			'Heavy' starts		
		10 and under	Over 10 to 16	Over 16	10 and under	Over 10 to 16	Over 16
Class 1 light duty	Agitators (uniform density), blowers, exhausters and fans (up to 7.5kW), centrifugal compressors and pumps belt conveyors (uniformly loaded)	1.0	1.1	1.2	1.1	1.2	1.3
Class 2 medium duty	Agitators and mixers (variable density), blowers, exhausters and fans (over 7.5kW), rotary compressors and pumps (other than centrifugal), belt conveyors (not uniformly loaded), generators and exciters, laundry machinery,line shafts, machine tools, printing machinery, bakery machinery, machine tools, lathes, printing machines, screens (rotary)	1.1	1.2	1.3	1.2	1.3	1.4
Class 3 heavy duty	Brick machinery, bucket elevators, compressors and pumps (reciprocating), conveyors (heavy duty), hoists mills (hammer), pulverisers punches, presses, shears, quarry plant, rubber machinery, screens (vibrating), textile machinery	1.2	1.3	1.4	1.4	1.5	1.6
Class 4 extra heavy duty	Calenders, heavy wood working machinery	1.3	1.4	1.5	1.5	1.6	1.8

Speed increasing drives

For speed increasing drives of:

Speed ratio 1.00 - 1.24 no additional factor required
Speed ratio 1.25 - 1.74 multiply service factor by 1.05
Speed ratio 1.75 - 2.49 multiply service factor by 1.11
Speed ratio 2.50 - 3.49 multiply service factor by 1.18
Speed ratio 3.50 and over multiply service factor by 1.25

Pulley dimensions

Table 3: min pulley diameter selection

Nominal motor speed rev/min	Motor power (KW)														
	<3.0	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	110
2880	67	67	67	67	71	80	95	95	112	125	125	140	170	212
1440	67	75	80	80	95	100	112	125	125	140	160	180	212	236
960	67	75	85	90	106	118	118	125	160	170	180	212	250	280
720	67	75	90	95	118	125	125	140	160	180	200	250	265	300

Table 4: standard pulley sizes

SPZ	56	60	63	71	75	80	85	90	95	100	106	112	118	125	132	140	150	160	180	200	-	-	-
SPA	80	85	90	95	100	106	112	118	125	132	140	150	160	180	200	250	315	400	500	630	-	-	-
SPB	125	132	140	150	160	170	180	190	200	212	224	236	250	280	315	355	400	500	630	800	1000	-	-
SPC	200	212	224	236	250	265	280	300	315	335	355	375	400	425	450	475	500	530	560	630	800	1000	1250

Basic power ratings

Wedge belts: SPZ

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	63	71	80	85	90	95	100	112	125	132	140	150	160	180	200
700	0.51	0.69	0.9	1.02	1.13	1.25	1.36	1.64	1.93	2.08	2.26	2.48	2.7	3.13	3.56
950	0.64	0.89	1.16	1.32	1.47	1.63	1.78	2.13	2.52	2.73	2.97	3.26	3.54	4.11	4.67
1450	0.89	1.26	1.66	1.89	2.11	2.33	2.55	3.08	3.64	3.93	4.27	4.69	5.1	5.91	6.7
2850	1.41	2.08	2.81	3.21	3.62	4.01	4.39	5.29	6.24	6.74	7.28	7.94	8.58	9.78	10.86
100	0.09	0.12	0.15	0.18	0.2	0.22	0.24	0.28	0.33	0.35	0.38	0.42	0.45	0.53	0.6
200	0.18	0.24	0.3	0.34	0.37	0.41	0.44	0.53	0.62	0.67	0.72	0.79	0.87	1	1.14
300	0.25	0.33	0.43	0.48	0.54	0.59	0.64	0.76	0.9	0.97	1.05	1.15	1.26	1.45	1.66
400	0.32	0.43	0.56	0.63	0.69	0.76	0.82	0.99	1.16	1.26	1.37	1.5	1.63	1.9	2.15
500	0.38	0.52	0.67	0.76	0.84	0.93	1.01	1.22	1.42	1.55	1.67	1.83	2	2.32	2.64
600	0.44	0.61	0.79	0.89	0.99	1.09	1.18	1.42	1.68	1.81	1.97	2.16	2.35	2.73	3.1
700	0.51	0.69	0.9	1.02	1.13	1.25	1.36	1.64	1.93	2.08	2.26	2.48	2.7	3.13	3.56
800	0.56	0.77	1.01	1.14	1.27	1.4	1.54	1.83	2.17	2.35	2.54	2.79	3.04	3.53	4.02
900	0.62	0.86	1.11	1.27	1.41	1.56	1.7	2.04	2.41	2.61	2.82	3.1	3.38	3.91	4.45
1000	0.67	0.93	1.22	1.38	1.55	1.7	1.85	2.24	2.64	2.85	3.1	3.4	3.71	4.3	4.88
1100	0.72	1	1.32	1.49	1.67	1.84	2.02	2.43	2.86	3.1	3.37	3.7	4.03	4.67	5.3
1200	0.77	1.08	1.42	1.61	1.8	1.99	2.17	2.62	3.09	3.35	3.64	3.99	4.34	5.04	5.72
1300	0.81	1.14	1.51	1.72	1.93	2.12	2.33	2.8	3.32	3.58	3.89	4.27	4.65	5.39	6.12
1400	0.87	1.22	1.62	1.83	2.05	2.27	2.48	2.99	3.53	3.82	4.15	4.55	4.95	5.74	6.5
1500	0.91	1.29	1.71	1.94	2.17	2.4	2.63	3.16	3.74	4.05	4.4	4.82	5.25	6.08	6.88
1600	0.95	1.35	1.8	2.05	2.29	2.53	2.77	3.35	3.96	4.27	4.65	5.09	5.54	6.41	7.25
1700	1	1.42	1.9	2.15	2.41	2.66	2.92	3.51	4.16	4.5	4.88	5.36	5.82	6.74	7.61
1800	1.04	1.48	1.98	2.26	2.52	2.79	3.06	3.69	4.36	4.72	5.12	5.61	6.1	7.05	7.96
1900	1.08	1.55	2.07	2.35	2.64	2.92	3.19	3.85	4.55	4.93	5.35	5.86	6.37	7.35	8.3
2000	1.12	1.61	2.15	2.45	2.75	3.04	3.33	4.02	4.75	5.14	5.57	6.11	6.63	7.65	8.62
2100	1.15	1.67	2.24	2.54	2.85	3.16	3.46	4.18	4.94	5.35	5.8	6.35	6.89	7.94	8.93
2200	1.2	1.73	2.32	2.65	2.97	3.29	3.6	4.34	5.13	5.54	6.01	6.58	7.14	8.22	9.24
2300	1.23	1.78	2.4	2.74	3.07	3.4	3.73	4.5	5.32	5.74	6.22	6.81	7.39	8.49	9.53
2400	1.27	1.84	2.48	2.82	3.17	3.51	3.85	4.65	5.49	5.93	6.43	7.04	7.62	8.75	9.8
2500	1.3	1.9	2.55	2.92	3.28	3.63	3.98	4.8	5.67	6.12	6.62	7.24	7.85	8.99	10.05
2600	1.34	1.95	2.64	3.01	3.37	3.74	4.1	4.94	5.83	6.29	6.82	7.46	8.07	9.23	10.3
2700	1.37	2.01	2.71	3.09	3.47	3.84	4.21	5.09	5.99	6.48	7	7.65	8.28	9.46	10.54
2800	1.4	2.06	2.78	3.17	3.56	3.96	4.34	5.22	6.16	6.64	7.19	7.85	8.49	9.67	10.75
2900	1.43	2.1	2.85	3.26	3.66	4.06	4.45	5.37	6.31	6.82	7.36	8.03	8.68	9.88	10.95
3000	1.46	2.15	2.93	3.34	3.75	4.16	4.55	5.49	6.47	6.97	7.54	8.22	8.87	10.07	11.13
3100	1.48	2.2	2.99	3.42	3.84	4.25	4.67	5.62	6.61	7.13	7.7	8.39	9.04	10.25	11.31
3200	1.51	2.25	3.06	3.49	3.92	4.36	4.77	5.75	6.76	7.28	7.86	8.56	9.21	10.41	11.46
3300	1.55	2.3	3.12	3.57	4.02	4.45	4.87	5.87	6.9	7.43	8.01	8.71	9.37	10.58	11.6
3400	1.57	2.34	3.18	3.65	4.1	4.54	4.98	5.99	7.04	7.57	8.16	8.86	9.53	10.71	11.72
3500	1.6	2.38	3.24	3.72	4.17	4.63	5.08	6.11	7.16	7.7	8.3	9	9.66	10.85	11.81
3600	1.62	2.42	3.31	3.78	4.25	4.72	5.17	6.21	7.28	7.83	8.44	9.14	9.8	10.96	11.9
3700	1.64	2.46	3.37	3.85	4.34	4.8	5.26	6.32	7.41	7.95	8.56	9.26	9.92	11.06	11.96
3800	1.66	2.5	3.42	3.91	4.41	4.88	5.35	6.43	7.52	8.08	8.67	9.38	10.03	11.14	12.01
3900	1.68	2.54	3.48	3.99	4.48	4.96	5.44	6.53	7.62	8.18	8.79	9.49	10.14	11.22	12.03
4000	1.7	2.58	3.53	4.05	4.55	5.04	5.52	6.62	7.73	8.29	8.89	9.59	10.22	11.28	12.04
4100	1.72	2.62	3.58	4.11	4.61	5.11	5.6	6.72	7.83	8.38	8.98	9.68	10.3	11.32	12.02
4200	1.74	2.65	3.64	4.16	4.68	5.18	5.68	6.8	7.92	8.48	9.07	9.75	10.37	11.35	11.98
4300	1.76	2.68	3.68	4.22	4.75	5.25	5.75	6.88	8	8.56	9.16	9.83	10.42	11.36	11.93
4400	1.77	2.71	3.73	4.27	4.8	5.33	5.82	6.96	8.09	8.64	9.23	9.89	10.47	11.35	11.85
4500	1.79	2.74	3.77	4.33	4.86	5.39	5.89	7.04	8.16	8.71	9.29	9.94	10.51	11.33	11.74

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

Wedge belts: SPA

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	90	100	112	118	125	132	140	150	160	180	200	224	250	280	315
700	1.20	1.59	2.04	2.27	2.53	2.79	3.09	3.46	3.83	4.56	5.28	6.14	7.05	8.09	9.27
950	1.52	2.03	2.64	2.94	3.29	3.63	4.02	4.51	5.00	5.94	6.89	8.00	9.18	10.51	12.02
1450	2.09	2.83	3.72	4.15	4.66	5.16	5.73	6.43	7.12	8.48	9.80	11.34	12.95	14.72	16.66
2850	3.22	4.52	6.05	6.79	7.64	8.47	9.39	10.51	11.58	13.60	15.41	17.30	18.97	20.36	21.18
100	0.23	0.30	0.37	0.40	0.45	0.49	0.55	0.61	0.66	0.78	0.91	1.05	1.21	1.38	1.59
200	0.42	0.55	0.69	0.76	0.84	0.93	1.02	1.13	1.25	1.48	1.71	1.99	2.28	2.62	3.00
300	0.60	0.77	0.98	1.09	1.21	1.33	1.46	1.64	1.80	2.14	2.47	2.87	3.30	3.78	4.35
400	0.76	0.99	1.27	1.40	1.56	1.71	1.90	2.11	2.34	2.77	3.20	3.73	4.27	4.91	5.64
500	0.92	1.20	1.54	1.70	1.90	2.08	2.31	2.58	2.84	3.39	3.91	4.55	5.23	6.01	6.89
600	1.06	1.39	1.79	1.99	2.21	2.44	2.70	3.03	3.35	3.98	4.60	5.36	6.15	7.06	8.11
700	1.20	1.59	2.04	2.27	2.53	2.79	3.09	3.46	3.83	4.56	5.28	6.14	7.05	8.09	9.27
800	1.33	1.76	2.29	2.53	2.83	3.13	3.47	3.88	4.31	5.13	5.93	6.90	7.92	9.07	10.40
900	1.46	1.95	2.51	2.80	3.13	3.46	3.84	4.31	4.77	5.68	6.57	7.64	8.77	10.04	11.50
1000	1.59	2.11	2.75	3.06	3.43	3.79	4.20	4.71	5.21	6.21	7.20	8.35	9.59	10.97	12.54
1100	1.70	2.29	2.98	3.32	3.71	4.11	4.55	5.11	5.66	6.74	7.81	9.05	10.38	11.87	13.53
1200	1.81	2.44	3.19	3.56	3.99	4.42	4.89	5.49	6.09	7.25	8.39	9.73	11.16	12.73	14.49
1300	1.93	2.61	3.40	3.80	4.26	4.72	5.23	5.87	6.51	7.76	8.97	10.39	11.89	13.56	15.40
1400	2.04	2.76	3.62	4.04	4.52	5.01	5.56	6.24	6.91	8.24	9.53	11.03	12.61	14.34	16.25
1500	2.14	2.90	3.81	4.26	4.78	5.29	5.88	6.60	7.31	8.71	10.07	11.65	13.29	15.09	17.05
1600	2.25	3.05	4.02	4.49	5.04	5.58	6.19	6.95	7.70	9.17	10.59	12.24	13.94	15.79	17.80
1700	2.34	3.19	4.20	4.71	5.28	5.85	6.50	7.29	8.09	9.61	11.09	12.80	14.55	16.46	18.48
1800	2.43	3.33	4.39	4.91	5.52	6.12	6.80	7.63	8.45	10.04	11.58	13.35	15.14	17.08	19.11
1900	2.52	3.46	4.57	5.12	5.76	6.38	7.09	7.95	8.81	10.47	12.05	13.86	15.70	17.64	19.66
2000	2.61	3.60	4.75	5.33	5.98	6.63	7.36	8.26	9.15	10.86	12.49	14.35	16.21	18.17	20.15
2100	2.69	3.72	4.92	5.52	6.20	6.88	7.63	8.57	9.49	11.25	14.81	16.70	18.64	20.57	0.06
2200	2.77	3.84	5.09	5.71	6.42	7.12	7.90	8.86	9.81	11.62	15.24	17.14	19.07	20.92	0.06
2300	2.85	3.96	5.25	5.89	6.62	7.34	8.16	9.15	10.11	11.97	15.65	17.54	19.43	21.19	0.07
2400	2.93	4.07	5.41	6.07	6.82	7.57	8.41	9.41	10.41	12.30	14.07	16.03	17.90	19.74	21.38
2500	3.00	4.18	5.56	6.24	7.01	7.78	8.63	9.68	10.69	12.62	14.41	16.37	18.22	19.98	21.49
2600	3.07	4.29	5.71	6.41	7.20	7.98	8.87	9.93	10.96	12.93	14.73	16.68	18.49	20.18	21.52
2700	3.13	4.39	5.85	6.56	7.39	8.19	9.08	10.17	11.22	13.20	15.02	16.95	18.73	20.30	21.44
2800	3.19	4.48	5.98	6.72	7.55	8.37	9.29	10.40	11.46	13.47	15.29	17.19	18.90	20.36	21.29
2900	3.24	4.57	6.11	6.86	7.72	8.56	9.49	10.62	11.69	13.71	15.52	17.40	19.03	20.35	21.04
3000	3.31	4.66	6.23	7.00	7.88	8.73	9.68	10.82	11.91	13.94	15.74	17.57	19.12	20.28	-
3100	3.35	4.74	6.36	7.14	8.02	8.89	9.86	11.01	12.11	14.14	15.92	17.71	19.15	-	-
3200	3.40	4.82	6.47	7.26	8.17	9.05	10.02	11.19	12.30	14.33	16.08	17.80	19.13	-	-
3300	3.44	4.89	6.57	7.39	8.30	9.20	10.18	11.35	12.46	14.48	16.21	17.85	19.06	-	-
3500	3.52	5.03	6.77	7.60	8.55	9.46	10.47	11.65	12.76	14.74	16.38	17.84	18.74	-	-
3800	3.61	5.20	7.00	7.87	8.85	9.78	10.79	11.98	13.07	14.96	16.40	17.49	-	-	-
3900	3.63	5.24	7.08	7.95	8.93	9.87	10.88	12.06	13.14	14.98	16.34	17.28	-	-	-
4000	3.65	5.28	7.14	8.01	9.00	9.94	10.96	12.13	13.19	14.98	16.24	17.03	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

Wedge belts: SPB

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	140	150	160	180	190	200	212	224	236	250	280	315	355	375	400
700	3.55	4.15	4.75	5.93	6.52	7.11	7.81	8.5	9.18	9.98	11.66	13.6	15.75	16.81	18.11
950	4.54	5.34	6.12	7.67	8.44	9.2	10.1	11	11.9	12.93	15.09	17.54	20.25	21.56	23.17
1450	6.26	7.41	8.53	10.74	11.82	12.9	14.16	15.4	16.62	18.02	20.9	24.05	27.38	28.91	30.71
2850	9.33	11.14	12.9	16.17	17.69	19.12	20.72	22.21	23.55	24.93	27.18	28.5	-	-	-
100	0.67	0.77	0.87	1.06	1.16	1.26	1.38	1.49	1.61	1.74	2.03	2.36	2.73	2.92	3.15
200	1.24	1.42	1.61	1.99	2.17	2.36	2.58	2.8	3.02	3.28	3.82	4.45	5.16	5.51	5.95
300	1.75	2.02	2.3	2.84	3.11	3.38	3.71	4.03	4.35	4.72	5.51	6.42	7.46	7.96	8.6
400	2.23	2.59	2.95	3.66	4.02	4.37	4.79	5.2	5.62	6.11	7.13	8.31	9.65	10.32	11.13
500	2.69	3.13	3.57	4.44	4.88	5.3	5.82	6.33	6.85	7.44	8.69	10.14	11.76	12.58	13.57
600	3.13	3.65	4.17	5.2	5.72	6.22	6.83	7.44	8.03	8.72	10.21	11.9	13.8	14.74	15.89
700	3.55	4.15	4.75	5.93	6.52	7.11	7.81	8.5	9.18	9.98	11.66	13.6	15.75	16.81	18.11
800	3.96	4.64	5.32	6.64	7.3	7.96	8.75	9.53	10.29	11.19	13.07	15.22	17.61	18.79	20.22
900	4.35	5.1	5.85	7.33	8.07	8.8	9.66	10.52	11.37	12.35	14.43	16.78	19.4	20.66	22.21
1000	4.73	5.55	6.38	8	8.81	9.6	10.55	11.48	12.41	13.48	15.73	18.27	21.07	22.43	24.08
1100	5.09	5.99	6.88	8.65	9.52	10.38	11.4	12.41	13.41	14.56	16.99	19.69	22.66	24.09	25.81
1200	5.44	6.42	7.38	9.27	10.21	11.13	12.23	13.31	14.38	15.6	18.17	21.04	24.15	25.63	27.41
1300	5.78	6.82	7.85	9.88	10.88	11.86	13.02	14.17	15.31	16.6	19.31	22.31	25.52	27.04	28.85
1400	6.11	7.21	8.31	10.45	11.52	12.56	13.79	15	16.19	17.56	20.38	23.49	26.79	28.33	30.14
1500	6.42	7.59	8.76	11.02	12.13	13.23	14.52	15.79	17.04	18.46	21.39	24.59	27.92	29.47	31.25
1600	6.73	7.95	9.18	11.56	12.72	13.87	15.22	16.54	17.84	19.31	22.33	25.6	28.94	30.46	32.19
1700	7.01	8.3	9.58	12.07	13.29	14.48	15.89	17.26	18.6	20.12	23.21	26.5	29.82	31.29	32.94
1800	7.28	8.64	9.97	12.57	13.83	15.07	16.52	17.93	19.31	20.87	24	27.31	30.56	31.96	33.5
1900	7.55	8.96	10.34	13.04	14.34	15.63	17.12	18.57	19.97	21.56	24.73	28.01	31.15	32.47	33.84
2000	7.8	9.26	10.69	13.48	14.83	16.14	17.68	19.16	20.59	22.2	25.37	28.59	31.59	32.79	33.97
2100	8.03	9.55	11.03	13.91	15.29	16.62	18.19	19.7	21.16	22.76	25.94	29.08	31.86	32.91	33.87
2200	8.25	9.82	11.35	14.3	15.71	17.08	18.67	20.2	21.66	23.28	26.41	29.43	31.97	32.85	33.54
2300	8.46	10.07	11.64	14.66	16.1	17.5	19.12	20.65	22.11	23.73	26.8	29.66	31.9	32.57	-
2400	8.65	10.31	11.92	15	16.47	17.88	19.51	21.05	22.52	24.1	27.09	29.77	31.65	32.08	-
2500	8.83	10.53	12.17	15.32	16.8	18.22	19.86	21.4	22.86	24.42	27.29	29.74	31.21	-	-
2600	8.99	10.72	12.41	15.59	17.1	18.53	20.17	21.7	23.13	24.66	27.39	29.56	-	-	-
2700	9.14	10.91	12.62	15.84	17.36	18.8	20.43	21.94	23.34	24.82	27.39	29.25	-	-	-
2800	9.27	11.07	12.81	16.07	17.58	19.02	20.64	22.14	23.49	24.91	27.27	28.79	-	-	-
2900	9.38	11.22	12.98	16.25	17.78	19.21	20.8	22.26	23.58	24.92	27.06	28.17	-	-	-
3000	9.58	11.45	13.25	16.57	18.1	19.53	21.11	22.54	23.81	25.08	26.98	-	-	-	-
3100	9.57	11.44	13.24	16.54	18.05	19.44	20.97	22.34	23.53	24.69	-	-	-	-	-
3200	9.63	11.54	13.34	16.63	18.12	19.49	20.98	22.28	23.39	24.44	-	-	-	-	-
3300	9.68	11.6	13.4	16.69	18.15	19.49	20.93	22.17	23.19	24.11	-	-	-	-	-
3500	9.72	11.66	13.46	16.7	18.1	19.35	20.65	21.72	22.55	23.18	-	-	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

Wedge belts: SPC

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)													
	224	250	280	300	315	335	355	375	400	450	500	560	630	710
700	10.76	13.52	16.66	18.72	20.25	22.27	24.26	26.24	28.68	33.42	38	43.26	49.07	55.21
950	13.68	17.26	21.29	23.92	25.86	28.4	30.9	33.36	36.34	42.06	47.42	53.33	59.46	65.33
1450	18.39	23.27	28.63	32.05	34.52	37.69	40.72	43.59	46.95	52.87	57.63	61.63	63.72	-
2850	21.34	26.43	30.65	32.41	33.13	0.47	3.7	5.29	6.52	-	-	-	-	-
50	1	1.24	1.52	1.7	1.85	2.02	2.2	2.39	2.61	3.05	3.5	4.03	4.64	5.34
100	1.95	2.42	2.94	3.29	3.55	3.91	4.25	4.59	5.03	5.88	6.73	7.74	8.91	10.23
200	3.67	4.55	5.56	6.24	6.74	7.39	8.06	8.71	9.53	11.16	12.76	14.67	16.88	19.36
300	5.25	6.54	8	8.98	9.7	10.67	11.62	12.58	13.76	16.11	18.43	21.17	24.33	27.86
350	6.01	7.48	9.18	10.29	11.14	12.24	13.34	14.43	15.8	18.48	21.14	24.27	27.86	31.89
400	6.74	8.41	10.32	11.58	12.53	13.78	15.02	16.24	17.78	20.8	23.78	27.29	31.3	35.75
450	7.45	9.32	11.44	12.84	13.89	15.28	16.65	18.02	19.72	23.06	26.35	30.2	34.59	39.45
500	8.15	10.19	12.53	14.07	15.22	16.74	18.25	19.75	21.6	25.25	28.83	33.02	37.77	42.99
550	8.83	11.05	13.6	15.28	16.52	18.18	19.81	21.43	23.44	27.39	31.24	35.75	40.81	46.34
600	9.48	11.9	14.64	16.45	17.79	19.57	21.33	23.08	25.23	29.47	33.58	38.36	43.71	49.5
650	10.13	12.72	15.66	17.6	19.04	20.94	22.82	24.68	26.98	31.47	35.83	40.87	46.46	52.47
700	10.76	13.52	16.66	18.72	20.25	22.27	24.26	26.24	28.68	33.42	38	43.26	49.07	55.21
750	11.38	14.31	17.63	19.81	21.43	23.57	25.68	27.76	30.32	35.29	40.08	45.54	51.5	57.73
800	11.98	15.07	18.58	20.88	22.59	24.84	27.04	29.23	31.9	37.09	42.05	47.68	53.77	60.02
850	12.56	15.82	19.51	21.92	23.71	26.06	28.37	30.65	33.44	38.83	43.95	49.7	55.85	62.06
900	13.13	16.55	20.42	22.93	24.81	27.25	29.66	32.03	34.92	40.48	45.74	51.59	57.75	63.83
950	13.68	17.26	21.29	23.92	25.86	28.4	30.9	33.36	36.34	42.06	47.42	53.33	59.46	65.33
1000	14.23	17.95	22.14	24.88	26.89	29.53	32.11	34.64	37.71	43.56	48.99	54.93	60.96	66.54
1100	15.27	19.27	23.78	26.69	28.84	31.64	34.38	37.03	40.24	46.3	51.81	57.66	63.3	68.05
1200	16.23	20.52	25.3	28.39	30.65	33.6	36.45	39.2	42.52	48.67	54.14	59.72	64.72	68.25
1300	17.15	21.68	26.72	29.95	32.32	35.37	38.32	41.15	44.52	50.67	55.95	61.06	65.14	-
1400	17.99	22.76	28.03	31.39	33.82	36.97	39.97	42.84	46.23	52.25	57.22	61.64	64.48	-
1450	18.39	23.27	28.63	32.05	34.52	37.69	40.72	43.59	46.95	52.87	57.63	61.63	63.72	-
1500	18.77	23.74	29.22	32.68	35.18	38.37	41.41	44.28	47.61	53.39	57.89	61.41	-	-
1600	19.48	24.65	30.28	33.81	36.35	39.58	42.61	45.43	48.67	54.08	57.94	-	-	-
1700	20.11	25.45	31.2	34.79	37.35	40.57	43.55	46.3	49.38	54.27	57.31	-	-	-
1800	20.68	26.15	32	35.61	38.16	41.34	44.24	46.86	49.72	53.94	-	-	-	-
1900	21.16	26.74	32.66	36.26	38.78	41.88	44.65	47.1	49.68	53.08	-	-	-	-
2000	21.57	27.23	33.16	36.73	39.19	42.17	44.78	47.01	49.23	51.65	-	-	-	-
2100	21.89	27.61	33.52	37.01	39.38	42.2	44.6	46.56	48.36	-	-	-	-	-
2200	22.12	27.87	33.71	37.1	39.36	41.97	44.1	45.74	47.04	-	-	-	-	-
2300	22.27	28.01	33.74	36.99	39.1	41.46	43.29	-	-	-	-	-	-	-
2400	22.32	28.02	33.6	36.66	38.6	40.67	42.13	-	-	-	-	-	-	-
2500	22.28	27.91	33.27	36.12	37.85	39.58	40.62	-	-	-	-	-	-	-
2600	22.14	27.67	32.77	35.35	36.84	-	-	-	-	-	-	-	-	-
2700	21.9	27.27	32.07	34.36	35.56	-	-	-	-	-	-	-	-	-
2800	21.56	26.75	31.17	-	-	-	-	-	-	-	-	-	-	-
2900	21.1	26.07	30.08	-	-	-	-	-	-	-	-	-	-	-
3000	20.54	25.24	28.77	-	-	-	-	-	-	-	-	-	-	-
3100	19.86	24.25	27.24	-	-	-	-	-	-	-	-	-	-	-
3200	19.06	23.11	25.49	-	-	-	-	-	-	-	-	-	-	-
3300	18.15	21.8	-	-	-	-	-	-	-	-	-	-	-	-
3400	17.11	20.32	-	-	-	-	-	-	-	-	-	-	-	-
3500	15.94	18.66	-	-	-	-	-	-	-	-	-	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

CRE belts: XPZ

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)															
	63	71	80	85	90	95	100	112	125	132	140	150	160	180	200
700	0.63	0.73	0.81	1	1.22	1.34	1.46	1.59	1.71	2	2.3	2.65	3.1	3.56	4
950	0.8	0.93	1.03	1.29	1.59	1.75	1.91	2.06	2.22	2.6	3	3.45	4.05	4.64	5.21
1450	1.1	1.3	1.44	1.83	2.25	2.48	2.72	2.94	3.17	3.71	4.29	4.94	5.79	6.63	7.43
2850	1.79	2.14	2.39	3.08	3.84	4.25	4.66	5.06	5.45	6.38	7.36	8.45	9.83	11.11	12.3
100	0.12	0.13	0.15	0.18	0.22	0.24	0.26	0.28	0.3	0.35	0.4	0.46	0.55	0.63	0.7
200	0.22	0.25	0.27	0.34	0.41	0.45	0.5	0.53	0.57	0.66	0.76	0.87	1.02	1.17	1.31
300	0.31	0.36	0.39	0.48	0.59	0.65	0.71	0.76	0.82	0.95	1.09	1.25	1.46	1.68	1.89
400	0.39	0.45	0.51	0.63	0.76	0.83	0.91	0.98	1.05	1.22	1.4	1.62	1.9	2.17	2.44
500	0.47	0.56	0.61	0.76	0.92	1.01	1.1	1.19	1.27	1.48	1.72	1.97	2.31	2.65	2.98
600	0.56	0.65	0.71	0.88	1.07	1.18	1.28	1.39	1.49	1.75	2.01	2.31	2.72	3.11	3.49
700	0.63	0.73	0.81	1	1.22	1.34	1.46	1.59	1.71	2	2.3	2.65	3.1	3.56	4
800	0.7	0.81	0.9	1.12	1.37	1.51	1.65	1.78	1.92	2.24	2.59	2.97	3.48	3.99	4.49
900	0.77	0.89	0.99	1.24	1.52	1.67	1.82	1.97	2.12	2.47	2.86	3.29	3.86	4.42	4.97
1000	0.83	0.97	1.07	1.35	1.66	1.82	1.99	2.15	2.32	2.71	3.13	3.61	4.23	4.84	5.44
1100	0.9	1.05	1.16	1.46	1.79	1.97	2.15	2.33	2.52	2.94	3.39	3.91	4.59	5.25	5.9
1200	0.96	1.12	1.24	1.57	1.93	2.12	2.32	2.52	2.71	3.16	3.66	4.21	4.94	5.66	6.35
1300	1.02	1.19	1.32	1.68	2.06	2.27	2.47	2.69	2.90	3.38	3.91	4.5	5.28	6.05	6.79
1400	1.07	1.26	1.4	1.78	2.18	2.41	2.64	2.86	3.08	3.61	4.16	4.8	5.63	6.43	7.22
1500	1.13	1.33	1.48	1.88	2.31	2.56	2.79	3.03	3.26	3.82	4.41	5.08	5.96	6.81	7.64
1600	1.19	1.4	1.56	1.98	2.43	2.69	2.94	3.19	3.44	4.03	4.66	5.36	6.28	7.18	8.05
1700	1.24	1.46	1.64	2.07	2.56	2.83	3.09	3.35	3.62	4.23	4.89	5.64	6.61	7.54	8.45
1800	1.29	1.54	1.71	2.17	2.68	2.96	3.24	3.51	3.79	4.43	5.13	5.91	6.92	7.9	8.84
1900	1.34	1.6	1.78	2.26	2.8	3.09	3.38	3.68	3.96	4.64	5.36	6.17	7.22	8.24	9.22
2000	1.39	1.66	1.85	2.35	2.92	3.22	3.53	3.83	4.13	4.84	5.59	6.43	7.52	8.58	9.6
2100	1.44	1.72	1.92	2.44	3.03	3.35	3.67	3.98	4.29	5.03	5.81	6.69	7.82	8.91	9.95
2200	1.49	1.78	1.98	2.54	3.14	3.47	3.81	4.13	4.45	5.22	6.03	6.94	8.11	9.23	10.3
2300	1.55	1.84	2.05	2.63	3.25	3.6	3.94	4.28	4.62	5.41	6.24	7.18	8.39	9.54	10.65
2400	1.59	1.89	2.12	2.71	3.36	3.72	4.08	4.42	4.78	5.6	6.45	7.42	8.67	9.85	10.97
2500	1.64	1.95	2.18	2.8	3.47	3.84	4.21	4.58	4.93	5.78	6.67	7.67	8.94	10.14	11.28
2600	1.68	2	2.24	2.88	3.58	3.96	4.34	4.72	5.08	5.95	6.87	7.9	9.2	10.43	11.59
2700	1.73	2.06	2.3	2.96	3.69	4.08	4.46	4.85	5.23	6.13	7.07	8.12	9.45	10.71	11.89
2800	1.77	2.11	2.36	3.04	3.79	4.19	4.6	4.99	5.38	6.3	7.27	8.34	9.71	10.98	12.16
2900	1.81	2.16	2.42	3.12	3.89	4.3	4.72	5.12	5.52	6.47	7.46	8.55	9.95	11.24	12.43
3000	1.85	2.21	2.48	3.2	3.99	4.41	4.84	5.26	5.67	6.64	7.65	8.77	10.18	11.49	12.7
3100	1.89	2.26	2.55	3.27	4.08	4.52	4.96	5.38	5.81	6.8	7.84	8.98	10.4	11.73	12.94
3200	1.93	2.31	2.6	3.35	4.18	4.64	5.08	5.51	5.95	6.96	8.02	9.18	10.63	11.96	13.17
3300	1.96	2.36	2.66	3.42	4.27	4.74	5.19	5.65	6.08	7.12	8.19	9.37	10.84	12.18	13.38
3400	2	2.4	2.71	3.5	4.37	4.84	5.31	5.77	6.22	7.27	8.36	9.56	11.05	12.39	13.59
3500	2.04	2.45	2.77	3.58	4.46	4.95	5.42	5.89	6.35	7.42	8.53	9.75	11.24	12.59	13.79
3600	2.07	2.5	2.82	3.65	4.56	5.05	5.53	6.01	6.47	7.57	8.7	9.93	11.43	12.79	13.96
3700	2.11	2.55	2.87	3.72	4.64	5.14	5.64	6.12	6.61	7.72	8.86	10.1	11.62	12.97	14.12
3800	2.14	2.59	2.92	3.78	4.73	5.24	5.75	6.24	6.73	7.86	9.02	10.27	11.8	13.13	14.27
3900	2.17	2.63	2.97	3.85	4.82	5.33	5.85	6.35	6.85	7.99	9.17	10.43	11.96	13.29	-
4000	2.21	2.68	3.02	3.92	4.9	5.43	5.95	6.46	6.97	8.13	9.31	10.58	12.12	13.43	-
4100	2.24	2.72	3.06	3.98	4.98	5.52	6.05	6.58	7.08	8.26	9.45	10.74	12.27	13.57	-
4200	2.27	2.76	3.11	4.04	5.06	5.62	6.15	6.68	7.19	8.38	9.6	10.89	12.41	13.7	-
4300	2.3	2.79	3.16	4.11	5.14	5.7	6.24	6.78	7.3	8.5	9.73	11.02	12.54	-	-
4400	2.33	2.83	3.2	4.17	5.22	5.79	6.34	6.88	7.41	8.63	9.86	11.15	12.67	-	-
4500	2.36	2.87	3.24	4.23	5.29	5.87	6.43	6.98	7.51	8.75	9.98	11.28	12.78	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

CRE belts: XPA

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	71	75	80	90	100	112	118	125	140	160	180	200	224	250	280
700	0.98	1.14	1.35	1.77	2.18	2.68	2.92	3.20	3.81	4.61	5.4	6.18	7.12	8.11	9.25
950	1.25	1.47	1.76	2.3	2.86	3.51	3.84	4.21	5.01	6.07	7.12	8.15	9.37	10.69	12.16
1450	1.76	2.09	2.49	3.31	4.13	5.09	5.57	6.12	7.29	8.84	10.35	11.84	13.57	15.41	17.46
2850	2.9	3.51	4.27	5.76	7.22	8.94	9.79	10.76	12.79	15.37	17.82	20.11	22.64	25.09	-
100	0.18	0.2	0.24	0.3	0.37	0.45	0.48	0.54	0.64	0.76	0.89	1.02	1.17	1.33	1.52
200	0.33	0.38	0.45	0.58	0.71	0.86	0.93	1.02	1.2	1.45	1.7	1.95	2.23	2.55	2.91
300	0.47	0.56	0.65	0.83	1.02	1.24	1.35	1.48	1.76	2.12	2.47	2.84	3.26	3.72	4.24
400	0.61	0.71	0.83	1.08	1.32	1.62	1.76	1.93	2.28	2.76	3.23	3.7	4.25	4.86	5.55
500	0.74	0.86	1.01	1.31	1.62	1.97	2.15	2.36	2.81	3.39	3.97	4.55	5.23	5.97	6.81
600	0.86	1	1.18	1.55	1.9	2.32	2.54	2.79	3.31	4	4.69	5.37	6.18	7.05	8.04
700	0.98	1.14	1.35	1.77	2.18	2.68	2.92	3.20	3.81	4.61	5.4	6.18	7.12	8.11	9.25
800	1.09	1.28	1.52	1.99	2.45	3.01	3.29	3.61	4.29	5.2	6.09	6.98	8.03	9.16	10.43
900	1.2	1.41	1.68	2.2	2.73	3.34	3.66	4.01	4.78	5.79	6.78	7.77	8.93	10.18	11.59
1000	1.3	1.55	1.83	2.41	2.99	3.68	4.01	4.41	5.25	6.36	7.45	8.53	9.82	11.18	12.73
1100	1.41	1.67	1.99	2.62	3.25	4	4.36	4.80	5.72	6.93	8.12	9.29	10.68	12.16	13.83
1200	1.52	1.79	2.13	2.83	3.5	4.31	4.72	5.18	6.17	7.48	8.77	10.03	11.53	13.12	14.91
1300	1.62	1.91	2.28	3.02	3.76	4.63	5.06	5.57	6.63	8.03	9.4	10.77	12.36	14.05	15.95
1400	1.71	2.03	2.42	3.22	4.01	4.94	5.4	5.94	7.07	8.56	10.04	11.48	13.18	14.97	16.97
1500	1.81	2.14	2.57	3.41	4.25	5.24	5.74	6.30	7.51	9.1	10.66	12.18	13.97	15.86	17.96
1600	1.9	2.26	2.71	3.61	4.49	5.55	6.06	6.67	7.95	9.63	11.26	12.87	14.75	16.73	18.91
1700	1.99	2.37	2.85	3.8	4.73	5.84	6.38	7.02	8.37	10.14	11.86	13.54	15.5	17.56	19.83
1800	2.08	2.48	2.98	3.98	4.96	6.13	6.71	7.37	8.8	10.65	12.44	14.2	16.25	18.37	20.72
1900	2.16	2.59	3.11	4.16	5.19	6.41	7.02	7.73	9.21	11.14	13.02	14.85	16.97	19.16	21.56
2000	2.25	2.7	3.24	4.34	5.42	6.71	7.33	8.07	9.62	11.63	13.58	15.47	17.67	19.92	22.37
2100	2.33	2.8	3.37	4.51	5.65	6.98	7.65	8.40	10.01	12.1	14.13	16.09	18.34	20.65	23.14
2200	2.41	2.9	3.5	4.7	5.87	7.25	7.94	8.74	10.4	12.57	14.67	16.69	19	21.35	23.87
2300	2.49	3	3.63	4.87	6.08	7.52	8.24	9.06	10.79	13.03	15.19	17.26	19.62	22.02	24.55
2400	2.58	3.09	3.75	5.03	6.3	7.8	8.53	9.38	11.17	13.48	15.7	17.83	20.23	22.65	25.2
2500	2.65	3.19	3.87	5.2	6.51	8.06	8.82	9.70	11.54	13.92	16.2	18.36	20.82	23.26	25.8
2600	2.73	3.28	3.98	5.36	6.72	8.31	9.1	10.01	11.91	14.35	16.68	18.89	21.37	23.83	26.34
2700	2.8	3.37	4.1	5.52	6.92	8.56	9.38	10.31	12.26	14.77	17.15	19.39	21.9	24.36	26.85
2800	2.87	3.46	4.21	5.68	7.12	8.82	9.65	10.61	12.62	15.17	17.6	19.88	22.4	24.86	-
2900	2.94	3.56	4.32	5.84	7.32	9.06	9.92	10.90	12.96	15.57	18.04	20.34	22.88	25.32	-
3000	3.01	3.65	4.43	5.99	7.51	9.3	10.18	11.19	13.29	15.96	18.46	20.79	23.33	25.73	-
3100	3.07	3.73	4.54	6.14	7.71	9.53	10.43	11.46	13.61	16.33	18.87	21.21	23.75	-	-
3200	3.13	3.81	4.65	6.28	7.89	9.77	10.69	11.74	13.93	16.69	19.26	21.61	24.14	-	-
3300	3.2	3.89	4.75	6.43	8.07	10	10.94	12.01	14.24	17.04	19.63	21.99	24.49	-	-
3400	3.26	3.97	4.85	6.58	8.25	10.22	11.17	12.27	14.53	17.37	19.99	22.35	24.82	-	-
3500	3.32	4.05	4.95	6.71	8.43	10.43	11.41	12.52	14.83	17.7	20.32	22.68	-	-	-
3600	3.37	4.12	5.04	6.85	8.61	10.65	11.64	12.78	15.11	18.01	20.64	22.99	-	-	-
3700	3.43	4.19	5.13	6.98	8.77	10.85	11.86	13.02	15.38	18.31	20.95	23.27	-	-	-
3800	3.48	4.26	5.22	7.11	8.94	11.05	12.08	13.25	15.65	18.59	21.23	23.53	-	-	-
3900	3.55	4.33	5.31	7.23	9.09	11.25	12.29	13.47	15.9	18.87	21.5	-	-	-	-
4000	3.6	4.4	5.4	7.35	9.25	11.44	12.49	13.70	16.14	19.12	21.75	-	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

CRE belts: XPB

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	112	118	125	132	140	150	160	180	200	224	250	280	315	355	400
700	2.89	3.28	3.74	4.19	4.72	5.36	6.01	7.30	8.58	10.1	11.75	13.63	15.8	18.24	20.96
950	3.82	4.34	4.95	5.57	6.26	7.13	7.99	9.71	11.41	13.43	15.6	18.08	20.92	24.1	27.59
1450	5.58	6.35	7.26	8.17	9.2	10.48	11.76	14.28	16.77	19.71	22.82	26.31	30.26	34.58	39.17
2850	9.83	11.25	12.9	14.51	16.35	18.59	20.8	25.05	29.08	33.6	38.07	-	-	-	-
100	0.47	0.54	0.61	0.67	0.75	0.85	0.95	1.14	1.34	1.58	1.83	2.12	2.46	2.85	3.28
200	0.91	1.02	1.16	1.29	1.45	1.65	1.84	2.22	2.61	3.07	3.57	4.14	4.8	5.56	6.4
300	1.32	1.49	1.7	1.9	2.13	2.41	2.71	3.27	3.85	4.52	5.26	6.1	7.08	8.19	9.43
400	1.73	1.96	2.22	2.48	2.8	3.17	3.56	4.30	5.05	5.95	6.92	8.03	9.31	10.78	12.41
500	2.12	2.4	2.74	3.07	3.44	3.92	4.38	5.31	6.24	7.35	8.55	9.93	11.51	13.31	15.32
600	2.5	2.85	3.24	3.64	4.08	4.65	5.2	6.31	7.42	8.74	10.16	11.79	13.68	15.81	18.17
700	2.89	3.28	3.74	4.19	4.72	5.36	6.01	7.30	8.58	10.1	11.75	13.63	15.8	18.24	20.96
800	3.26	3.71	4.23	4.75	5.34	6.08	6.81	8.27	9.73	11.45	13.31	15.43	17.88	20.62	23.67
900	3.64	4.13	4.72	5.29	5.96	6.78	7.6	9.23	10.85	12.78	14.85	17.2	19.92	22.96	26.31
1000	4	4.55	5.19	5.83	6.57	7.47	8.38	10.18	11.96	14.08	16.35	18.94	21.91	25.23	28.87
1100	4.35	4.96	5.67	6.36	7.16	8.16	9.15	11.11	13.06	15.37	17.84	20.64	23.86	27.43	31.33
1200	4.71	5.36	6.13	6.89	7.76	8.84	9.91	12.04	14.14	16.63	19.3	22.31	25.76	29.57	33.7
1300	5.06	5.77	6.59	7.4	8.34	9.5	10.66	12.95	15.2	17.88	20.73	23.95	27.6	31.63	35.97
1400	5.4	6.16	7.04	7.92	8.92	10.16	11.39	13.84	16.25	19.1	22.13	25.53	29.39	33.62	38.13
1500	5.74	6.54	7.48	8.42	9.48	10.81	12.12	14.73	17.28	20.3	23.49	27.08	31.12	35.52	40.18
1600	6.07	6.93	7.93	8.92	10.05	11.45	12.85	15.59	18.29	21.47	24.83	28.58	32.79	37.34	42.11
1700	6.4	7.31	8.36	9.41	10.61	12.08	13.55	16.44	19.29	22.62	26.13	30.04	34.39	39.07	43.89
1800	6.73	7.69	8.8	9.9	11.15	12.71	14.25	17.28	20.26	23.74	27.39	31.44	35.93	40.69	45.55
1900	7.05	8.05	9.22	10.37	11.69	13.32	14.93	18.11	21.21	24.84	28.62	32.8	37.39	42.22	47.07
2000	7.36	8.41	9.64	10.85	12.22	13.92	15.6	18.92	22.14	25.9	29.81	34.1	38.77	43.64	-
2100	7.68	8.77	10.04	11.31	12.74	14.51	16.27	19.71	23.05	26.93	30.96	35.34	40.09	44.95	-
2200	7.98	9.12	10.44	11.77	13.25	15.1	16.92	20.48	23.94	27.94	32.06	36.53	41.31	-	-
2300	8.27	9.46	10.85	12.21	13.76	15.67	17.55	21.23	24.8	28.91	33.12	37.65	42.45	-	-
2400	8.58	9.81	11.23	12.65	14.25	16.23	18.17	21.97	25.63	29.84	34.13	38.71	43.5	-	-
2500	8.86	10.14	11.62	13.08	14.74	16.78	18.78	22.68	26.45	30.73	35.1	39.7	-	-	-
2600	9.14	10.46	11.99	13.5	15.21	17.31	19.37	23.39	27.23	31.6	36.01	40.62	-	-	-
2700	9.42	10.79	12.36	13.92	15.68	17.84	19.96	24.07	28	32.43	36.88	41.48	-	-	-
2800	9.7	11.1	12.72	14.32	16.13	18.34	20.52	24.72	28.72	33.22	37.68	-	-	-	-
2900	9.96	11.4	13.07	14.72	16.56	18.85	21.07	25.36	29.42	33.97	38.44	-	-	-	-
3000	10.22	11.71	13.41	15.1	17	19.33	21.6	25.98	30.1	34.67	39.15	-	-	-	-
3100	10.47	12	13.75	15.47	17.42	19.8	22.12	26.56	30.73	35.34	-	-	-	-	-
3200	10.72	12.28	14.08	15.85	17.83	20.26	22.62	27.14	31.35	35.97	-	-	-	-	-
3300	10.96	12.55	14.39	16.2	18.23	20.71	23.11	27.68	31.93	36.54	-	-	-	-	-
3400	11.19	12.83	14.71	16.54	18.61	21.13	23.57	28.20	32.47	37.07	-	-	-	-	-
3500	11.42	13.09	15.01	16.89	18.99	21.54	24.02	28.69	32.99	-	-	-	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Basic power ratings

CRE belts: XPC

Faster shaft speed(RPM)	Datum diameter of small pulley (mm)														
	180	200	224	250	280	315	335	355	400	450	500	560	630	710
700	9.47	11.36	13.63	16.06	18.86	22.08	23.9	25.71	29.74	34.15	38.45	43.48	49.14	55.3
950	12.66	15.18	18.19	21.41	25.09	29.3	31.67	34.02	39.18	44.72	50.05	56.1	62.65	-
1450	18.69	22.38	26.72	31.33	36.48	42.27	45.45	48.54	55.13	61.77	67.63	-	-	-
2850	32.24	38.03	44.41	50.56	-	-	-	-	-	-	-	-	-	-
50	0.73	0.87	1.04	1.23	1.44	1.69	1.84	1.98	2.29	2.65	3	3.42	3.92	4.47
100	1.43	1.72	2.06	2.42	2.85	3.34	3.63	3.90	4.54	5.23	5.93	6.77	7.74	8.85
200	2.82	3.38	4.05	4.78	5.62	6.59	7.14	7.70	8.94	10.31	11.69	13.32	15.23	17.39
300	4.18	5.02	6.02	7.09	8.33	9.78	10.6	11.42	13.26	15.29	17.32	19.74	22.53	25.69
350	4.86	5.83	6.99	8.24	9.69	11.35	12.31	13.26	15.39	17.76	20.1	22.89	26.11	29.74
400	5.52	6.64	7.95	9.38	11.02	12.93	14.01	15.09	17.51	20.18	22.84	25.99	29.62	33.71
450	6.19	7.43	8.92	10.51	12.35	14.48	15.7	16.91	19.6	22.59	25.54	29.05	33.07	37.58
500	6.86	8.23	9.87	11.64	13.67	16.03	17.36	18.71	21.68	24.97	28.21	32.05	36.45	41.36
550	7.51	9.02	10.82	12.76	14.98	17.55	19.02	20.48	23.74	27.31	30.84	35.01	39.75	45.03
600	8.17	9.81	11.76	13.87	16.28	19.08	20.66	22.24	25.77	29.62	33.42	37.9	42.98	48.58
650	8.82	10.58	12.7	14.97	17.57	20.58	22.29	23.99	27.78	31.91	35.97	40.72	46.11	52.01
700	9.47	11.36	13.63	16.06	18.86	22.08	23.9	25.71	29.74	34.15	38.45	43.48	49.14	55.3
750	10.11	12.14	14.55	17.15	20.12	23.55	25.49	27.42	31.69	36.35	40.88	46.17	52.08	58.45
800	10.76	12.91	15.47	18.23	21.38	25.02	27.07	29.11	33.61	38.51	43.27	48.77	54.89	61.44
850	11.39	13.67	16.38	19.3	22.62	26.46	28.62	30.76	35.5	40.63	45.59	51.31	57.6	64.27
900	12.02	14.42	17.29	20.36	23.87	27.89	30.16	32.40	37.36	42.7	47.85	53.74	60.19	66.92
950	12.66	15.18	18.19	21.41	25.09	29.3	31.67	34.02	39.18	44.72	50.05	56.1	62.65	69.39
1000	13.27	15.93	19.08	22.45	26.29	30.69	33.17	35.60	40.97	46.69	52.17	58.35	64.96	71.67
1100	14.51	17.4	20.84	24.5	28.66	33.42	36.08	38.69	44.42	50.48	56.2	62.55	69.18	-
1200	15.73	18.86	22.56	26.51	30.99	36.07	38.9	41.67	47.71	54.04	59.91	66.31	72.76	-
1300	16.93	20.28	24.26	28.48	33.24	38.62	41.6	44.52	50.82	57.33	63.28	69.59	-	-
1400	18.11	21.68	25.92	30.39	35.42	41.08	44.2	47.24	53.74	60.36	66.28	-	-	-
1450	18.69	22.38	26.72	31.33	36.48	42.27	45.45	48.54	55.13	61.77	67.63	-	-	-
1500	19.26	23.06	27.53	32.25	37.53	43.43	46.67	49.81	56.45	63.09	68.88	-	-	-
1600	20.4	24.4	29.11	34.06	39.56	45.68	49.02	52.23	58.94	65.53	-	-	-	-
1700	21.51	25.71	30.64	35.8	41.51	47.81	51.23	54.48	61.21	-	-	-	-	-
1800	22.59	27	32.13	37.48	43.38	49.82	53.28	56.56	63.23	-	-	-	-	-
1900	23.65	28.24	33.57	39.11	45.16	51.7	55.19	58.45	64.97	-	-	-	-	-
2000	24.69	29.45	34.96	40.65	46.83	53.45	56.92	60.16	-	-	-	-	-	-
2100	25.7	30.62	36.3	42.13	48.41	55.06	58.5	61.65	-	-	-	-	-	-
2200	26.67	31.75	37.58	43.53	49.87	56.51	59.88	-	-	-	-	-	-	-
2300	27.62	32.85	38.8	44.85	51.24	57.8	-	-	-	-	-	-	-	-
2400	28.54	33.9	39.97	46.09	52.49	58.94	-	-	-	-	-	-	-	-
2500	29.42	34.9	41.08	47.25	53.61	-	-	-	-	-	-	-	-	-
2600	30.27	35.86	42.12	48.31	54.61	-	-	-	-	-	-	-	-	-
2700	31.09	36.76	43.09	49.28	55.49	-	-	-	-	-	-	-	-	-
2800	31.87	37.62	43.99	50.16	-	-	-	-	-	-	-	-	-	-
2900	32.6	38.43	44.82	50.93	-	-	-	-	-	-	-	-	-	-
3000	33.3	39.18	45.58	51.61	-	-	-	-	-	-	-	-	-	-
3100	33.97	39.89	46.26	-	-	-	-	-	-	-	-	-	-	-
3200	34.58	40.52	46.86	-	-	-	-	-	-	-	-	-	-	-
3300	35.16	41.11	47.38	-	-	-	-	-	-	-	-	-	-	-

Belt speed is over 30m/s. Please contact our technical department.

Additional power ratings

Wedge cogged belts: SPZ and XPZ

Rev/min of faster shaft	Additional power (kW) per belt for speed ratio								
	1.01 to 1.05	1.05 to 1.11	1.11 to 1.18	1.18 to 1.26	1.26 to 1.38	1.38 to 1.57	1.57 to 1.94	1.94 to 3.38	Over 3.38
200	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03
500	0.01	0.01	0.03	0.04	0.04	0.05	0.06	0.06	0.06
720	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.09
960	0.01	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.12
1440	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.18	0.19
1500	0.02	0.04	0.08	0.11	0.13	0.15	0.17	0.18	0.19
1800	0.02	0.05	0.09	0.13	0.15	0.18	0.20	0.22	0.23
2000	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
2500	0.03	0.07	0.13	0.18	0.21	0.25	0.28	0.31	0.32
2880	0.03	0.09	0.15	0.20	0.24	0.29	0.32	0.35	0.37
3000	0.03	0.09	0.15	0.21	0.26	0.30	0.34	0.37	0.39
3200	0.03	0.09	0.16	0.22	0.27	0.32	0.36	0.39	0.41
3500	0.04	0.10	0.18	0.25	0.30	0.35	0.39	0.43	0.45

Wedge cogged belts: SPA and XPA

Rev/min of faster shaft	Additional power (kW) per belt for speed ratio								
	1.01 to 1.05	1.05 to 1.11	1.11 to 1.18	1.18 to 1.26	1.26 to 1.38	1.38 to 1.57	1.57 to 1.94	1.94 to 3.38	Over 3.38
200	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.07
500	0.02	0.04	0.07	0.10	0.12	0.14	0.16	0.17	0.18
720	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
960	0.03	0.08	0.14	0.19	0.23	0.26	0.30	0.32	0.34
1440	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.52
1500	0.05	0.12	0.21	0.29	0.35	0.41	0.47	0.51	0.54
1800	0.05	0.15	0.26	0.35	0.42	0.50	0.56	0.61	0.64
2000	0.06	0.16	0.29	0.39	0.47	0.55	0.62	0.68	0.72
2500	0.08	0.20	0.36	0.49	0.59	0.69	0.78	0.85	0.90
2880	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
3000	0.09	0.25	0.43	0.58	0.71	0.83	0.93	1.01	1.07
3200	0.10	0.26	0.46	0.62	0.75	0.88	0.99	1.08	1.15
3500	0.11	0.29	0.50	0.68	0.82	0.97	1.09	1.18	1.25

Additional power ratings

Wedge cogged belts: SPB and XPB

Rev/min of faster shaft	Additional power (kW) per belt for speed ratio								
	1.01 to 1.05	1.05 to 1.11	1.11 to 1.18	1.18 to 1.26	1.26 to 1.38	1.38 to 1.57	1.57 to 1.94	1.94 to 3.38	Over 3.38
200	0.01	0.03	0.05	0.07	0.09	0.10	0.11	0.12	0.13
500	0.03	0.08	0.13	0.18	0.22	0.25	0.29	0.31	0.33
720	0.04	0.11	0.19	0.26	0.31	0.36	0.41	0.45	0.47
960	0.05	0.14	0.25	0.34	0.42	0.49	0.55	0.60	0.63
1440	0.08	0.22	0.38	0.51	0.62	0.73	0.82	0.89	0.95
1500	0.08	0.23	0.39	0.54	0.65	0.76	0.86	0.93	0.99
1800	0.10	0.27	0.47	0.64	0.78	0.91	1.03	1.12	1.18
2000	0.11	0.30	0.52	0.71	0.86	1.01	1.14	1.24	1.32
2500	0.14	0.38	0.66	0.89	1.08	1.27	1.43	1.55	1.64
2880	0.16	0.43	0.76	1.03	1.25	1.46	1.64	1.79	1.89
3000	0.17	0.45	0.79	1.07	1.30	1.52	1.71	1.86	1.97

Wedge cogged belts: SPC and XPC

Rev/min of faster shaft	Additional power (kW) per belt for speed ratio								
	1.01 to 1.05	1.05 to 1.11	1.11 to 1.18	1.18 to 1.26	1.26 to 1.38	1.38 to 1.57	1.57 to 1.94	1.94 to 3.38	Over 3.38
200	0.03	0.09	0.16	0.22	0.27	0.31	0.35	0.28	0.40
500	0.08	0.23	0.40	0.55	0.66	0.78	0.88	0.95	1.01
720	0.12	0.33	0.58	0.79	0.96	1.12	1.26	1.37	1.45
960	0.16	0.44	0.77	1.05	1.27	1.49	1.68	1.83	1.94
1440	0.24	0.67	1.16	1.58	1.91	2.24	2.52	2.75	2.91
1500	0.25	0.69	1.21	1.64	1.99	2.33	2.63	2.86	3.03
1800	0.31	0.83	1.45	1.97	2.39	2.80	3.15	3.43	3.64
2000	0.34	0.92	1.61	2.19	2.66	3.11	2.50	3.81	4.04

Belt length correction factors

Table 5

	Belt designation				
Factor	SPZ	SPA	SPB	SPC	Factor
0.8	-	-	-	-	0.8
0.81	-	-	-	-	0.81
0.82	-	800	-	-	0.82
0.83	630	-	-	-	0.83
0.84	-	900	-	-	0.84
0.85	710	-	1260	-	0.85
0.86	-	1000	-	2000	0.86
0.87	800	-	1410	-	0.87
0.88	-	1120	-	2240	0.88
0.89	900	-	1590	-	0.89
0.90	-	1250	-	2500	0.9
0.91	-	-	1800	2800	0.91
0.92	1010	1400	-	-	0.92
0.93	-	-	2020	3150	0.93
0.94	1140	1600	-	-	0.94
0.95	-	-	2280	3550	0.95
0.96	1270	1800	2530	-	0.96
0.97	-	-	-	4000	0.97
0.98	1420	2000	2840	4500	0.98
0.99	-	-	-	-	0.99
1.00	1600	2240	3170	5000	1
1.01	-	-	-	-	1.01
1.02	1800	2500	3550	5600	1.02
1.03	-	-	-	6300	1.03
1.04	2030	2800	4060	-	1.04
1.05	-	-	-	7100	1.05
1.06	2280	3150	4560	-	1.06
1.07	-	-	-	8000	1.07
1.08	2540	3550	5070	-	1.08
1.09	-	-	-	9000	1.09
1.1	2840	4000	5680	10000	1.1
1.11	-	-	6340	-	1.11
1.12	3170	4500	-	11200	1.12
1.13	-	-	7100	-	1.13
1.14	-	-	-	12500	1.14
1.15	3550	-	7990	-	1.15
1.16	-	-	-	-	1.16
1.17	-	-	-	-	1.17

Interpolate for belt lengths not listed.

Arc of contact correction factors

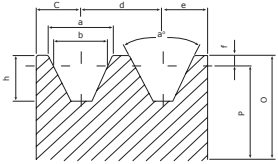
Table 6

D - d / c	Correction factor	Arc of contact on smaller pulley in degrees	D - d / c	Correction factor	Arc of contact on smaller pulley in degrees	D - d / c	Correction factor	Arc of contact on smaller pulley in degrees
0.00	1.00	180	0.50	0.93	151	1.00	0.82	120
0.05	0.99	177	0.55	0.92	148	1.05	0.81	117
0.10	0.99	174	0.60	0.91	145	1.10	0.80	113
0.15	0.98	171	0.65	0.90	142	1.15	0.78	110
0.20	0.97	169	0.70	0.89	139	1.20	0.77	106
0.25	0.97	166	0.75	0.88	136	1.25	0.75	103
0.30	0.96	163	0.80	0.87	133	1.30	0.73	99
0.35	0.95	160	0.85	0.86	130	1.35	0.72	95
0.40	0.94	157	0.90	0.85	127	1.40	0.70	91
0.45	0.93	154	0.95	0.83	123	1.45	0.68	87

D=Diameter of larger pulley d=Diameter of smaller pulley C=Shaft centre distance

Arc of contact below 120° should not be used unless full drive details have first been submitted to us for confirmation.

Pulley groove dimensions



Section	P	a°	a	b	c	d	e	f	h
SPZ	<=80	34	9.7	8.5	8	12	8	2	11
	>80	38	9.9						
SPA	<=118	34	12.7	11	10	15	10	2.75	13.75
	>118	38	12.9						
SPB	<=190	34	16.1	14	12.5	19	12.5	3.5	17.5
	>190	38	16.4						
SPC	<=315	34	21.9	19	17	25.5	17	4.8	23.8
	>315	38	22.3						

V belt pulleys in this catalogue are all manufactured according to ISO4183 and DIN2111 norms. The material used for the construction of these pulleys is cast iron GG25 and after the machining, all pulleys are being phosphated. Each pulley is strictly statically balanced with high precision balancing machining tools.

Idler pulleys

The use of idler pulleys should be avoided, If for design reasons, such an arrangement is necessary, then an inside idler should be used in preference to an outside idler.

Certain criteria should be considered when fitting an idler pulley:

a) Position of belt span

b) Diameter of the pulley

c) The adjust of the pulley for tensioning purposes

d) Correction of the power rating per belt

Internal idler should be greater than or equal to small size pulley on the drive.

Idlers should be placed where possible on the slack side of a drive, rather than the tight side. Springloaded or weighted idlers should always be located on the slack side because of the constant force being applied.

These type of drives should not be run in opposite direction as the slack side becomes tight side.

Location of the idler pulley on drive

A grooved inside idler pulley may be located at any point along the span, such that it results in nearly equal arcs of contact on the two adjacent pulleys.

A flat idler pulley should be located as far as is practical from the next pulley the belt is entering. This minimises the belt entering the pulley misaligned.

Flat idler pulleys used on long span drives can cause sever belt whip and should be avoided where possible.

Belt tensioning instructions

Ensure drive machine is fully isolated from the power supply before any work is to be carried out.

1. Apply the belts into the groove of the pulleys and apply a "hand tight" tension.

2. Rotate the pulleys manually several times, ensuring fingers are not trapped between belt and groove of pulley (N.B. do not apply any electrical power to drive, this ensures that belts sit correctly into the groove profile).

3. Using the table opposite, tension the belts appropriate to small pulley diameter.

4. Run the drive (with load) for 30 minutes, thereafter recheck the tension and adjust if required.

Tensioning method using the belt tension indicator

1. Calculate the deflection using formula of *centre distance in metres x 16mm deflection*. (16mm deflection per 1 mtr of CD)

2. Using the belt tension indicator set the marker ring (on the larger tube, scale marked in mm) at the deflection required in mm.

2. Set the other marker (smaller tube, scale in Kgf.) at the bottom of the narrow tube where the Kgf reads zero.

4. Now place the belt tension indicator (pin edge in contact with belt) on top of the belt at the centre of the span. Apply a force at right angles to the belt deflecting it until the point where the lower marker is level with the top of the adjacent belt. (For single belt drives use a straight edge across the two pulleys to use as a datum for reading the deflection on the indicator.)

5. Applying max. force read the value indicted in Kgf on the tensioning device (O ring will have moved as a result of force applied)

6. Compare this force the Kgf values given on page 90.

7. If the measured force falls within the values given, the drive is at a optimised tension and will run efficiently.

8. A measured force below the recommended value indicates an under-tension drive and will require attention.

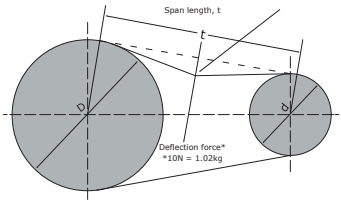
9. To achieve an optimum drive, belts should be tensioned at the higher value.

10. Drives should be tensioned and run for 30 minutes, stopped and rechecked, tensioning if required.

11. This practise is vital for the bedding in period and lifespan of the belt drive.

Belt installation and maintenance

Belt section	Force required to deflect belt 16 mm per metre of span		
	Small pulley diameter (mm)	Newton (N)	Kilogram force (kgf)
SPZ & XPZ	67 to 95	10 to 15	1.0 to 1.5
	100 to 140	15 to 20	1.5 to 2.0
SPA & XPA	100 to 132	20 to 27	2.0 to 2.7
	140 to 200	27 to 35	2.8 to 3.6
SPB & XPB	160 to 224	35 to 50	3.6 to 5.1
	236 to 315	50 to 65	5.1 to 6.6
SPC & XPC	224 to 355	60 to 90	6.1 to 9.2
	375 to 560	90 to 120	9.2 to 12.2
8V	335 & above	150 to 200	15.3 to 20.4
A	80 to 140	10 to 15	1.0 to 1.5
B	125 to 200	20 to 30	2.0 to 3.1
C	200 to 400	40 to 60	4.1 to 6.1
D	355 to 600	70 to 105	7.1 to 10.7
E	500 & above	120 to 180	12.2 to 18.3



Ensure drive machine is fully isolated from the power supply before any work is to be carried out.

- Pulleys should be wiped down prior to use to remove any dirt or oil, or any other particles that might compromise the pulley groove.
- Alignment shafts and pulleys should be correctly aligned prior to use, using the Mecaline belt laser alignment tool.
- *Installation*: drive centre distance should be reduced prior to installation of belts in order for belts to be fitted without undue force. Avoid the use of screwdrivers or objects to prise the belt into the groove as this will damage belt and pulley groove.
- *Belt tension*: drive should be tensioned correctly and rechecked after 30 minutes run time and retensioned accordingly. This will compensate for any belt stretch and bedding into the pulley groove.
- *Storage*: belts should not be stored in direct sunlight or lighting, kept in ambient temperature conditions and kept free from dirt or chemicals (full statement can be provided on request).

Installation and take up allowance

To ensure correct and safe belt installation, there must be adequate installation and take up allowance on the belt drive assembly.

Installation allowance is to ensure the centre distance of the drive can be sufficiently reduced in order for the belts to be placed into the pulley groove without the need for stretching or using a sharp objects to prised the belt over the pulley rim. (N.B. Damage may occur to both pulley and or belt.) Take up allowance value is to be added to the installation allowance to allow for belt tensioning, stretching or bedding in.

Belt datum length (mm)	Min installation allowance (mm)					Min tensioning allowance (mm)
	Z/SPZ/XPZ	A/SPA/XPA	B/SPB/XPB	C/SPC/XPC	D SECTION	
410-850	20	25	30	50	65	10
850-1150	20	25	30	50	65	15
1150-1500	20	25	30	50	65	20
1500-2000	20	25	30	50	65	30
2000-3000	20	25	30	50	65	40
3000-3500	20	25	30	50	65	50
3500-4000	20	25	30	50	65	60
4000-5000	20	25	30	50	65	70
5000-6000	-	25	30	50	65	85
6000-7500	-	25	30	50	65	105
7500-8500	-	-	30	50	65	125
8500-10000	-	-	30	50	65	145
10000-12500	-	-	-	50	65	175

Mecaline Laser Alignment Tool

Rubix part number:887625

Contents

a. 1 - Mecaline laser alignment tool
b. 4 - target magnets
c. 1 - magnetic levelling plate
d. 1 - instruction leaflet
e. 1 - carry case

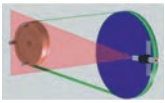
Technical specifications

Laser class:	1M (EN 60825 - 1:2007)
Output power:	5mW/635nm ± 5nm
Measure accuracy:	<0,5mrad parallelism to magnet face
Housing:	nickelled brass
Power sources:	1,5V AA-battery or 1.2V accumulator (not included)

Key features

1. Ready to use out of the box
2. Provides a quick and easy solution to parallel and angular misalignment
3. Suitable for all belt and chain drives
4. Reduces premature failure of drive components - belts and chains
5. Improves drive efficiency

Instructions



Ensure machine is isolated from the power supply before any work is carried out

To ensure alignment accuracy of drive, position 2-3 target magnets on one of the pulleys, positioning targets at 0°, 90° and 280°.

Attach the Mecaline laser alignment tool on the opposite pulley, (using magnetic plate if required). Please note an allowance must be made when using the metal plate as alignment will offset by 6mm.

Switch on the laser alignment tool and make adjustments on axis (if required) to ensure beam is projecting on the centre of the target magnets.

The Mecaline laser alignment tool will highlight parallel and angular misalignment.

Basic formulas

Length

Inches x 25.4 = Millimetres
Feet x 0.3048 = Metres

Force

Kilogram force (kgf) x 9.81 = Newtons (N)
Pounds force (lbf) x 4.45 = Newtons (N)

Torque

Kilogram force metre (kgfm) x 9.81 = Newton metre (Nm)
Pounds feet (lbf ft) x 1.36 = Newton metre (Nm)

Power

Horse power (hp) x 0.76 = Kilowatt (kW)

Belt Speed in m/s

S = (dxn)/19100

Torque Nm

Power (KW) x 9550 / Rotational speed (rev/min)

Power kW

Torque (Nm) x Rotational speed (rev/min) / 9550

Ratio

Ratio = Fastest shaft speed / Slower shaft speed.

Work out belt length

L = Pitch length of belt in mm
C = Centre distance mm
D = Pitch Dia of large pulley in mm
d = Pitch Dia of small pulley in mm

Belt length

$$L=2C+\frac{(D-d)^2}{4C}+1.57\,(D+d)$$

Centre distance

$$C=A+\sqrt{A^2-B}$$

where

$$A=\frac{L}{4}-0.3925\,(D+d)$$

and

$$B=\frac{(D-d)^2}{8}$$

Use your Mecaline v belts with Mecaline v pulleys and taper bushes.

V PULLEYS

Contents

Mecaline V Pulleys

Mecaline pulleys are manufactured to exacting standards, using high grade GG25 cast iron.

- Groove design ISO 4183 standard
- Taper bush fitting for ease of mounting on shaft
- All profiles SPZ, SPA, SPB, SPC
- All pulleys are statically balanced to G6.3
- Run V belt or wedge belts
- Standard belts between 50 – 1000mm pitch diameter
- Available between 1 – 10 groove
- OEM to customer drawing, pulleys can also be supplied!

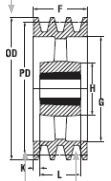
V-Pulleys selection

1. Select pulley profile: SPZ, SPA, SPB, SPC
2. Select number of grooves
3. Pitch diameter or outside diameter
4. Note the bush fitting type (should you need to purchase also)

3 Groove

3525 Taper bush

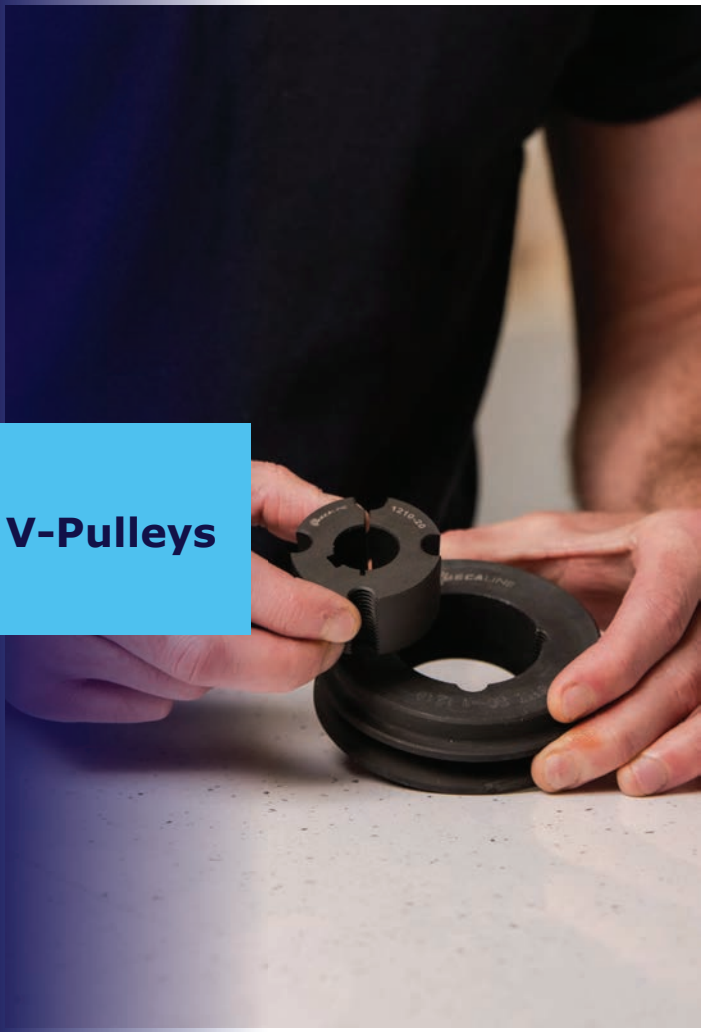
Pulley outside diameter



Pulley pitch diameter

3 Groove

V-Pulleys



SPZ

Pulley size	Number of grooves					
	1	2	3	4	5	6
50	856233	856321	-	-	-	-
56	856234	856322	-	-	-	-
60	856235	856323	-	-	-	-
63	856236	856324	856438	-	-	-
67	856237	856325	856439	-	-	-
71	856238	856326	856440	-	-	-
75	856239	856327	856441	-	-	-
80	856240	856328	856442	856548	-	-
85	856241	856329	856443	856549	856651	-
90	856242	856330	856444	856550	856652	856751
95	856243	856331	856445	856551	856653	856752
100	856244	856332	856446	856552	856654	856753
106	856245	856333	856447	856553	856655	856754
112	856246	856334	856448	856554	856656	856755
118	856247	856335	856449	856555	856657	856756
125	856248	856336	856450	856556	856658	856757

Pulley size	Number of grooves					
	1	2	3	4	5	6
140	856250	856338	856452	856558	856660	856759
150	856251	856339	856453	856559	856661	856760
160	856252	856340	856454	856560	856662	856761
170	856253	856341	856455	856561	856663	856762
180	856254	856342	856456	856562	856664	856763
190	856255	856343	856457	856563	856665	856764
200	856256	856344	856458	856564	856666	856765
224	856257	856345	856459	856565	856667	856766
250	856258	856346	856460	856566	856668	856767
280	856259	856347	856461	856567	856669	856768
315	856260	856348	856462	856568	856670	856769
355	856261	856349	856463	856569	856671	856770
400	856262	856350	856464	856570	856672	856771
450	856263	856351	856465	856571	856673	856772
500	-	-	856466	-	-	-

SPA

Pulley size	Number of grooves					
	1	2	3	4	5	6
67	856186	856266	-	-	-	-
71	856187	856267	856353	-	-	-
75	856188	856268	856354	-	-	-
80	856189	856269	856355	875472	-	-
85	856190	856270	856356	875473	-	-
90	856191	856271	856357	856470	-	-
95	856192	856272	856358	856471	-	-
100	856193	856273	856359	856472	856576	856678
106	856194	856274	856361	856474	856578	856680
112	856195	856275	856362	856475	856579	856681
118	856196	856276	856363	856476	856580	856682
125	856197	856277	856364	856477	856581	856683
132	856198	856278	856365	856478	856582	856684
140	856199	856279	856366	856479	856583	856685
150	856200	856280	856367	856480	856584	856686
160	856201	856281	856368	856481	856585	856687
170	856202	856282	856369	856482	875483	875491

Pulley size	Number of grooves					
	1	2	3	4	5	6
190	856204	856284	856371	856484	875484	875492
200	856205	856285	856372	856485	856587	856689
212	875453	875459	875466	875474	875485	875493
224	856206	856286	856373	856486	856588	856690
236	875454	875460	875467	875475	875486	875494
250	856207	856287	856374	856487	856589	856691
280	856208	856288	856375	856488	856590	856692
300	875456	875462	875469	875477	875488	875496
315	856209	856289	856376	856489	856591	856693
355	856210	856290	856377	856490	856592	856694
400	856211	856291	856378	856491	856593	856695
450	856212	875465	856379	856492	856594	856696
500	856213	856292	856380	856493	856595	856697
560	-	856293	856381	856494	856596	856698
630	856214	856294	856382	856495	856597	856699
800	-	-	856383	856496	856598	856700

Quick reference tables

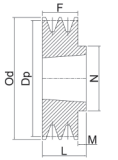
SPB

Pulley size	Number of grooves							
	1	2	3	4	5	6	8	10
100	856215	856295	856384	875526	-	-	-	-
106	875503	875513	875520	875527	-	-	-	-
112	856216	856296	856386	875528	-	-	-	-
118	856217	856297	856387	875529	-	-	-	-
125	856218	856298	856388	856498	856600	-	-	-
132	856219	856299	856390	856500	856602	-	-	-
140	856220	856300	856391	856501	856603	856703	875547	-
150	856221	856301	856392	856502	856604	856704		-
160	856222	856302	856393	856503	856605	856705	856779	-
170	856223	856303	856394	856504	856606	856706	856780	-
180	856224	856304	856395	856505	856607	856707	856781	-
190	856225	856305	856396	856506	856608	856708	856782	-
200	856226	856306	856397	856507	856609	856709	856783	-
212	856227	856307	856398	856508	856610	856710	856784	-
224	856228	856308	856399	856509	856611	856711	856785	856838
236	856229	856309	856400	856510	856612	856712	856786	856839
250	856230	856310	856401	856511	856613	856713	856787	856840
280	856231	856311	856402	856512	856614	856714	856788	856841
300	875505	856312	856403	856513	856615	856715	856789	-
315	856232	856313	856404	856514	856616	856716	856790	856842
335	-	856314	856405	856515	856617	856717	856791	856843
355	-	856315	856406	856516	856618	856718	856792	856844
400	-	856316	856407	856517	856619	856719	856793	856845
450	-	856317	856408	856518	856620	856720	856794	856846
500	-	856318	856409	856519	856621	856721	856795	856847
560	-	856319	856410	856520	856622	856722	856796	856848
630	-	856320	856411	856521	856623	856723	856797	856849
710	-	-	856412	856522	856624	856724	856798	856850
800	-	-	856413	856523	856625	856725	856799	856851
900	-	-	856414	856524	856626	856726	856800	856852
1000	-	-	856385	856497	856599	856701	856777	856837

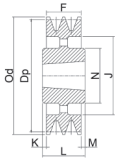
SPC

Pulley size	Number of grooves					
	3	4	5	6	8	10
200	856417	856527	856629	856729	856803	-
212	856418	856528	856630	856730	856804	-
224	856419	856529	856631	856731	856805	-
236	856420	856530	856632	856732	856806	-
250	856421	856531	856633	856733	856807	875607
265	856422	856532	856634	856734	856808	-
280	856423	856533	856635	856735	856809	875609
300	856424	856534	856636	856736	856810	875610
315	856425	856535	856637	856737	856811	875611
335	856426	856536	856638	856738	856812	-
355	856427	856537	856639	856739	856813	875613
375	856428	856538	856640	856740	856814	875614
400	856429	856539	856641	856741	856815	875615
425	856430	856540	856642	856742	856816	-
450	856431	856541	856643	856743	856817	875617
475	856432	856542	856644	856744	856818	-
500	856433	856543	856645	856745	856819	875619
530	856434	856544	856646	856746	856820	-
560	856435	856545	856647	856747	856821	875621
630	856436	856546	856648	856748	856822	875622
710	875596	875601	856649	856749	856823	875623
800	856437	856547	856650	856750	856824	875624
1000	856415	856525	856627	856727	856801	875626
1250	856416	856526	856628	856728	856802	875627

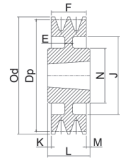
SPZ - 1 groove



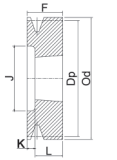
Type 1



Type 4



Type 7

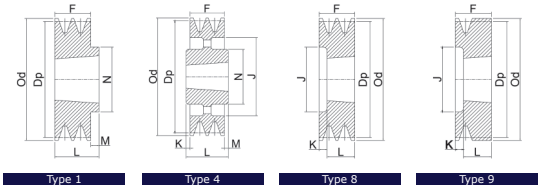


Type 9

SPZ 1 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856233	01SPZ050	50	1008	25	54	9	-	37	28	13	24	-	-	0.4
856234	01SPZ056	56	1008	25	60	9	-	37	32	13	24	-	-	0.5
856235	01SPZ060	60	1008	25	64	9	-	22	-	-	22	-	-	0.3
856236	01SPZ063	63	1108	28	67	1	-	16	-	-	22	6	62	0.4
856237	01SPZ067	67	1108	28	71	1	-	16	-	-	22	6	62	0.35
856238	01SPZ071	71	1108	28	75	1	-	16	-	-	22	6	62	0.4
856239	01SPZ075	75	1108	28	80	1	-	16	-	-	22	6	62	0.45
856240	01SPZ080	80	1210	32	84	1	-	16	-	-	25	9	75	0.5
856241	01SPZ085	85	1210	32	89	1	-	16	-	-	25	9	75	0.6
856242	01SPZ090	90	1210	32	94	1	-	16	-	-	25	9	75	0.7
856243	01SPZ095	95	1210	32	99	1	-	16	-	-	25	9	75	0.75
856244	01SPZ100	100	1210	32	104	1	-	16	-	-	25	9	75	0.85
856245	01SPZ106	106	1610	42	110	1	-	16	-	-	25	9	80	0.85
856246	01SPZ112	112	1610	42	116	1	-	16	-	-	25	9	80	1
856247	01SPZ118	118	1610	42	122	1	-	16	-	-	25	9	80	1.25
856248	01SPZ125	125	1610	42	129	1	-	16	-	-	25	9	80	1.3
856249	01SPZ132	132	1610	42	136	1	-	16	-	-	25	9	80	1.45
856250	01SPZ140	140	1610	42	144	1	-	16	-	-	25	9	80	1.52
856251	01SPZ150	150	1610	42	154	1	-	16	-	-	25	9	80	1.9
856252	01SPZ160	160	1610	42	164	1	-	16	-	-	25	9	80	2.1
856253	01SPZ170	170	1610	42	170	1	-	16	-	-	25	9	80	2.45
856254	01SPZ180	180	1610	42	184	7	8	16	152	-	25	9	80	2.8
856255	01SPZ190	190	1610	42	194	7	8	16	161	-	25	9	80	2.2
856256	01SPZ200	200	2012	50	204	7	8	16	172	-	32	16	100	2.8
856257	01SPZ224	224	2012	50	228	4	-	16	196	-	32	16	100	3.65
856258	01SPZ250	250	2012	50	254	4	-	16	222	8	32	8	100	3.6
856259	01SPZ280	280	2012	50	284	4	-	16	252	8	32	8	100	4.1
856260	01SPZ315	315	2012	50	319	4	-	16	287	8	32	8	100	4.1
856261	01SPZ355	355	2012	50	359	4	-	16	326	8	32	8	112	5
856262	01SPZ400	400	2012	50	404	4	-	16	371	8	32	8	112	6.1
856263	01SPZ450	450	2517	60	454	4	-	16	421	14.5	45	14.5	120	7.4

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

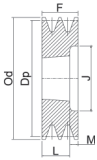


SPZ 2 groove pulleys

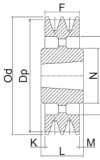
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856321	02SPZ050	50	1008	25	54	9	-	49	28	25	24	-	-	0.4
856322	02SPZ056	56	1108	28	60	9	-	49	32	25	24	-	-	0.55
856323	02SPZ060	60	1108	28	64	9	-	49	36	25	24	-	-	0.6
856324	02SPZ063	63	1108	28	67	8	-	28	40	6	22	-	-	0.35
856325	02SPZ067	67	1108	28	71	8	-	28	42	6	22	-	-	0.4
856326	02SPZ071	71	1108	28	75	8	-	28	42	6	22	-	-	0.5
856327	02SPZ075	75	1210	32	79	8	-	28	51	3	25	-	-	0.5
856328	02SPZ080	80	1210	32	84	8	-	28	51	3	25	-	-	0.5
856329	02SPZ085	85	1610	42	89	8	-	28	60	3	25	-	-	0.5
856330	02SPZ090	90	1610	42	94	8	-	28	61	3	25	-	-	0.65
856331	02SPZ095	95	1610	42	99	8	-	28	66	3	25	-	-	0.75
856332	02SPZ100	100	1610	42	104	8	-	28	71	3	25	-	-	0.9
856333	02SPZ106	106	1610	42	110	8	-	28	76	3	25	-	-	1.2
856334	02SPZ112	112	1610	42	116	8	-	28	84	3	25	-	-	1.3
856335	02SPZ118	118	1610	42	122	8	-	28	90	3	25	-	-	1.4
856336	02SPZ125	125	1610	42	129	8	-	28	97	3	25	-	-	1.7
856337	02SPZ132	132	1610	42	136	8	-	28	104	3	25	-	-	2
856338	02SPZ140	140	1610	42	144	8	-	28	115	3	25	-	-	2.3
856339	02SPZ150	150	2012	50	154	1	-	28	-	-	32	4	100	2.9
856340	02SPZ160	160	2012	50	164	1	-	28	-	-	32	4	100	3.3
856341	02SPZ170	170	2012	50	174	1	-	28	-	-	32	4	100	3.8
856342	02SPZ180	180	2012	50	184	8	8	28	152	-	32	4	100	3
856343	02SPZ190	190	2012	50	194	8	8	28	161	-	32	4	100	3.2
856344	02SPZ200	200	2012	50	204	8	8	28	171	-	32	4	100	3.75
856345	02SPZ224	224	2012	50	228	4	-	28	196	-	32	4	100	3.65
856346	02SPZ250	250	2012	50	254	4	-	28	222	2	32	2	100	4.3
856347	02SPZ280	280	2012	50	284	4	-	28	252	2	32	2	100	5.6
856348	02SPZ315	315	2012	50	319	4	-	28	287	2	32	2	100	5.6
856349	02SPZ355	355	2012	50	359	4	-	28	326	2	32	2	100	7.1
856350	02SPZ400	400	2517	50	404	4	-	28	371	8.5	45	8.5	120	9.65
856351	02SPZ450	450	2517	60	454	4	-	28	421	8.5	45	8.5	120	11.6

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

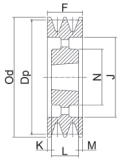
SPZ - 3 groove



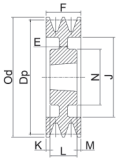
Type 2



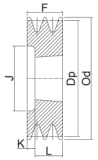
Type 4



Type 5



Type 6

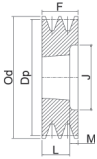


Type 8

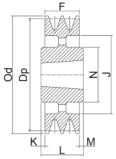
SPZ 3 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856438	03SPZ063	63	1108	28	67	8	-	40	40	18	22	-	-	0.5
856439	03SPZ067	67	1108	28	71	8	-	40	42	18	22	-	-	0.5
856440	03SPZ071	71	1108	28	75	8	-	40	42	18	22	-	-	0.7
856441	03SPZ075	75	1210	32	79	8	-	40	48	15	25	-	-	0.6
856442	03SPZ080	80	1210	32	84	8	-	40	51	15	25	-	-	0.7
856443	03SPZ085	85	1610	42	89	8	-	40	60	15	25	-	-	0.75
856444	03SPZ090	90	1610	42	94	8	-	40	61	15	25	-	-	0.9
856445	03SPZ095	95	1610	42	99	8	-	40	66	15	25	-	-	1
856446	03SPZ100	100	1610	42	104	8	-	40	71	15	25	-	-	1.45
856447	03SPZ106	106	1610	42	110	8	-	40	78	15	25	-	-	1.3
856448	03SPZ112	112	2012	50	116	8	-	40	84	8	32	-	-	1.7
856449	03SPZ118	118	2012	50	122	8	-	40	92	8	32	-	-	1.75
856450	03SPZ125	125	2012	50	129	2	-	40	97	-	32	8	-	2
856451	03SPZ132	132	2012	50	136	2	-	40	104	-	32	8	-	2.3
856452	03SPZ140	140	2012	50	144	2	-	40	112	-	32	8	-	2.7
856453	03SPZ150	150	2012	50	154	2	-	40	122	-	32	8	-	3.3
856454	03SPZ160	160	2012	50	164	2	-	40	132	-	32	8	-	3.9
856455	03SPZ170	170	2012	50	174	2	-	40	141	-	32	8	-	4.5
856456	03SPZ180	180	2012	50	184	6	8	40	152	-	32	8	-	3.35
856457	03SPZ190	190	2012	50	194	6	10	40	161	4	32	4	100	3.9
856458	03SPZ200	200	2012	50	204	6	10	40	172	4	32	4	100	3.75
856459	03SPZ224	224	2012	50	228	5	-	40	196	4	32	4	100	5.7
856460	03SPZ250	250	2012	50	254	5	-	40	222	4	32	4	100	4.8
856461	03SPZ280	280	2517	60	284	4	-	40	252	2.5	45	2.5	120	6.4
856462	03SPZ315	315	2517	60	319	4	-	40	287	2.5	45	2.5	120	7
856463	03SPZ355	355	2517	60	359	4	-	40	326	2.5	45	2.5	120	10
856464	03SPZ400	400	2517	60	404	4	-	40	371	2.5	45	2.5	120	10.9
856465	03SPZ450	450	2517	60	454	4	-	40	421	2.5	45	2.5	120	13.4
856466	03SPZ500	500	2517	60	504	4	-	40	471	2.5	45	2.5	120	12.6

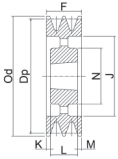
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



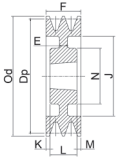
Type 2



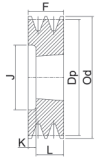
Type 4



Type 5



Type 6



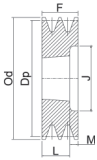
Type 8

SPZ 4 groove pulleys

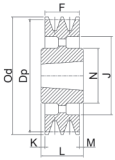
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856548	04SPZ080	80	1210	32	84	8	-	52	51	27	25	-	-	0.9
856549	04SPZ085	85	1610	42	89	8	-	52	60	27	25	-	-	0.9
856550	04SPZ090	90	1610	42	94	8	-	52	61	27	25	-	-	1.1
856551	04SPZ095	95	1610	42	99	8	-	52	66	27	25	-	-	1.25
856552	04SPZ100	100	1610	42	104	8	-	52	72	27	25	-	-	1.45
856553	04SPZ106	106	1610	42	110	8	-	52	80	27	25	-	-	1.5
856554	04SPZ112	112	2012	50	116	8	-	52	86	20	32	-	-	1.75
856555	04SPZ118	118	2012	50	122	8	-	52	92	20	32	-	-	1.85
856556	04SPZ125	125	2012	50	129	2	-	52	99	-	32	20	-	2.5
856557	04SPZ132	132	2012	50	136	2	-	52	104	-	32	20	-	2.6
856558	04SPZ140	140	2012	50	144	2	-	52	112	-	32	20	-	3.1
856559	04SPZ150	150	2517	60	154	2	-	52	122	-	45	7	-	3.8
856560	04SPZ160	160	2517	60	164	2	-	52	132	-	45	7	-	4.6
856561	04SPZ170	170	2517	60	174	2	-	52	141	-	45	7	-	5.3
856562	04SPZ180	180	2517	60	184	2	-	52	152	-	45	7	-	5.4
856563	04SPZ190	190	2517	60	194	6	10	52	161	3.5	45	3.5	120	5
856564	04SPZ200	200	2517	60	204	6	10	52	172	3.5	45	3.5	120	6.3
856565	04SPZ224	224	2517	60	228	6	12	52	196	3.5	45	3.5	120	7
856566	04SPZ250	250	2517	60	254	5	-	52	222	3.5	45	3.5	120	6.5
856567	04SPZ280	280	2517	60	284	5	-	52	252	3.5	45	3.5	120	10.8
856568	04SPZ315	315	2517	60	319	5	-	52	287	3.5	45	3.5	120	9.6
856569	04SPZ355	355	2517	60	359	5	-	52	326	3.5	45	3.5	120	12.15
856570	04SPZ400	400	2517	60	404	5	-	52	371	3.5	45	3.5	120	13.3
856571	04SPZ450	450	3020	75	454	5	-	52	421	0.5	51	0.5	150	16.2

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

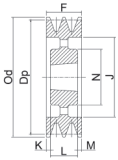
SPZ - 5 groove



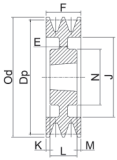
Type 2



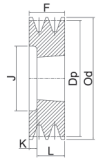
Type 4



Type 5



Type 6

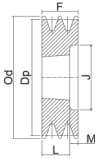


Type 8

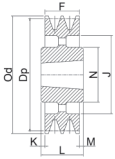
SPZ 5 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856651	05SPZ085	85	1610	42	89	8	-	64	60	39	25	-	-	1.6
856652	05SPZ090	90	1610	42	94	8	-	64	61	39	25	-	-	1.3
856653	05SPZ095	95	1610	42	99	8	-	64	66	39	25	-	-	1.5
856654	05SPZ100	100	2012	50	104	8	-	64	72	32	32	-	-	1.5
856655	05SPZ106	106	2012	50	110	8	-	64	78	32	32	-	-	1.8
856656	05SPZ112	112	2012	50	116	8	-	64	84	32	32	-	-	2.5
856657	05SPZ118	118	2012	50	122	8	-	64	90	32	32	-	-	3.1
856658	05SPZ125	125	2012	50	129	8	-	64	97	32	32	-	-	3.1
856659	05SPZ132	132	2517	60	136	8	-	64	104	19	45	-	-	3.5
856660	05SPZ140	140	2517	60	144	2	-	64	112	-	45	19	-	3.45
856661	05SPZ150	150	2517	60	154	2	-	64	122	-	45	19	-	4.2
856662	05SPZ160	160	2517	60	164	2	-	64	132	-	45	19	-	5.1
856663	05SPZ170	170	2517	60	174	2	-	64	141	-	45	19	-	5.8
856664	05SPZ180	180	2517	60	184	2	-	64	152	-	45	19	-	6.8
856665	05SPZ190	190	2517	60	194	6	15	64	161	9.5	45	9.5	120	6
856666	05SPZ200	200	2517	60	204	6	15	64	172	9.5	45	9.5	120	5.9
856667	05SPZ224	224	2517	60	228	6	15	64	196	9.5	45	9.5	120	8.4
856668	05SPZ250	250	2517	60	254	5	-	64	222	9.5	45	9.5	120	9.8
856669	05SPZ280	280	2517	60	284	5	-	64	252	9.5	45	9.5	120	6.8
856670	05SPZ315	315	2517	60	319	5	-	64	287	9.5	45	9.5	120	10.5
856671	05SPZ355	355	2517	60	359	5	-	64	326	9.5	45	9.5	120	13.1
856672	05SPZ400	400	3020	75	404	5	-	64	371	6.5	51	6.5	150	16.3
856676	05SPZ800	800	3535	90	804	4	-	64	771	12.5	89	12.5	170	45.5

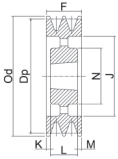
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



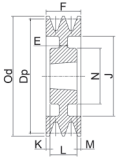
Type 2



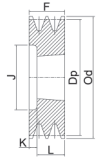
Type 4



Type 5



Type 6



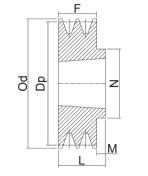
Type 8

SPZ 6 groove pulleys

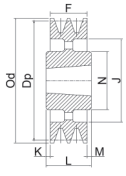
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856751	06SPZ090	90	1610	42	94	8	-	76	61	51	25	-	-	1.8
856752	06SPZ095	95	1610	42	99	8	-	76	66	51	25	-	-	2.1
856753	06SPZ100	100	2012	50	104	8	-	76	72	44	32	-	-	2.7
856754	06SPZ106	106	2012	50	110	8	-	76	78	44	32	-	-	2.9
856755	06SPZ112	112	2012	50	116	8	-	76	84	44	32	-	-	2.9
856756	06SPZ118	118	2517	60	122	8	-	76	90	31	45	-	-	3.4
856757	06SPZ125	125	2517	60	129	8	-	76	97	31	45	-	-	3.5
856758	06SPZ132	132	2517	60	136	8	-	76	104	31	45	-	-	3.8
856759	06SPZ140	140	2517	60	144	2	-	76	112	-	45	31	-	4
856760	06SPZ150	150	2517	60	154	2	-	76	122	-	45	31	-	4.6
856761	06SPZ160	160	2517	60	164	2	-	76	132	-	45	31	-	5.8
856762	06SPZ170	170	2517	60	174	2	-	76	141	-	45	31	-	6.4
856763	06SPZ180	180	2517	60	184	2	-	76	152	-	45	31	-	7.2
856764	06SPZ190	190	2517	60	194	6	15	76	161	15	45	15.5	120	6.8
856765	06SPZ200	200	2517	60	204	6	15	76	172	15	45	15.5	120	7.6
856766	06SPZ224	224	2517	60	228	6	15	76	196	15.5	45	15.5	120	9.2
856767	06SPZ250	250	2517	60	254	5	-	76	222	15.5	45	15.5	120	12.2
856768	06SPZ280	280	2517	60	284	5	-	76	252	15.5	45	15.5	120	11.6
856769	06SPZ315	315	2517	60	319	5	-	76	287	15.5	45	15.5	120	15.5
856770	06SPZ355	355	2517	60	359	5	-	76	326	15.5	45	15.5	125	16.5
856771	06SPZ400	400	3030	75	404	5	-	76	371	6.5	76	6.5	150	21.2
856772	06SPZ450	450	3030	75	454	5	-	76	421	6.5	76	6.5	150	19.2
856773	06SPZ500	500	3030	75	504	5	-	76	471	6	76	6	150	24.4
856774	06SPZ630	630	3535	90	634	4	-	76	601	6.5	89	6.5	170	31.9
856775	06SPZ800	800	3535	90	804	4	-	76	771	6.5	89	6.5	170	34.00

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

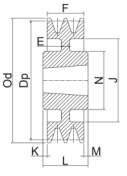
SPA - 1 groove



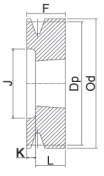
Type 1



Type 4



Type 7

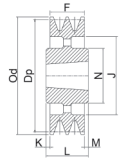


Type 9

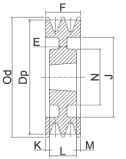
SPA 1 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856185	01SPA063	63	1108	28	68.5	9	-	40	36	18	22	-	-	0.65
856186	01SPA067	67	1108	28	72.5	1	-	20	-	-	22	2	62	0.50
856187	01SPA071	71	1108	28	76.5	1	-	20	-	-	22	2	62	0.40
856188	01SPA075	75	1108	28	80.5	1	-	20	-	-	22	2	62	0.50
856189	01SPA080	80	1210	32	85.5	1	-	20	-	-	25	5	75	0.65
856190	01SPA085	85	1210	32	90.5	1	-	20	-	-	25	5	75	0.65
856191	01SPA090	90	1210	32	95.5	1	-	20	-	-	25	5	75	0.60
856192	01SPA095	95	1210	32	100.5	1	-	20	-	-	25	5	75	0.70
856193	01SPA100	100	1610	42	105.5	1	-	20	-	-	25	5	80	0.80
856194	01SPA106	106	1610	42	111.5	1	-	20	-	-	25	5	80	0.90
856195	01SPA112	112	1610	42	117.5	1	-	20	-	-	25	5	80	1.10
856196	01SPA118	118	1610	42	123.5	1	-	20	-	-	25	5	80	1.20
856197	01SPA125	125	1610	42	130.5	1	-	20	-	-	25	5	80	1.30
856198	01SPA132	132	1610	42	137.5	1	-	20	-	-	25	5	80	1.50
856199	01SPA140	140	1610	42	145.5	1	-	20	-	-	25	5	80	1.70
856200	01SPA150	150	1610	42	155.5	7	10	20	-	-	25	5	80	2.00
856201	01SPA160	160	1610	42	165.5	7	8	20	-	-	25	5	80	2.30
856202	01SPA170	170	1610	42	175.5	7	8	20	-	-	25	5	80	2.60
856203	01SPA180	180	1610	42	185.5	7	8	20	150	-	25	5	80	2.50
856204	01SPA190	190	1610	42	195.5	7	8	20	160	-	25	5	80	2.65
856205	01SPA200	200	2012	50	205.5	7	8	20	165	-	32	12	100	2.90
875453	01SPA212	212	2012	50	217.5	7	8	20	176	-	32	12	100	3.10
856206	01SPA224	224	2012	50	229.5	7	8	20	189	-	32	12	100	3.15
875454	01SPA236	236	2012	50	241.5	7	8	20	202	-	32	12	100	3.70
856207	01SPA250	250	2012	50	255.5	4	-	20	215	6	32	6	100	3.60
856208	01SPA280	280	2012	50	285.5	4	-	20	245	-	32	12	100	4.10
875456	01SPA300	300	2012	50	305.5	4	-	20	265	-	32	12	100	5.00
856209	01SPA315	315	2012	50	320.5	4	-	20	280	-	32	12	100	4.60
856210	01SPA355	355	2012	50	360.5	4	-	20	320	-	32	12	100	5.50
856211	01SPA400	400	2012	50	405.5	4	-	20	365	-	32	12	100	6.80
856212	01SPA450	450	2012	50	455.5	4	-	20	415	-	32	12	100	8.40
856213	01SPA500	500	2517	60	505.5	4	-	20	465	-	45	25	120	10.00
856214	01SPA630	630	2517	60	635.5	4	-	20	595	-	45	25	120	17.90

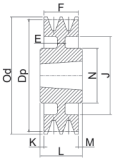
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



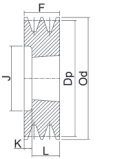
Type 4



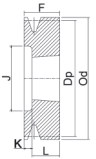
Type 6



Type 7



Type 8



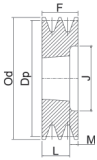
Type 9

SPA 2 groove pulleys

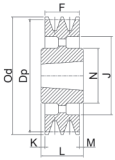
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856265	02SPA063	63	1108	28	68.5	9	-	55	36	33	22	-	-	0.40
856266	02SPA067	67	1108	28	72.5	8	-	35	37	13	22	-	-	0.45
856267	02SPA071	71	1108	28	76.5	8	-	35	40	13	22	-	-	0.55
856268	02SPA075	75	1108	28	80.5	8	-	35	44	13	22	-	-	0.50
856269	02SPA080	80	1210	32	85.5	8	-	35	50	10	25	-	-	0.60
856270	02SPA085	85	1210	32	90.5	8	-	35	55	10	25	-	-	0.70
856271	02SPA090	90	1610	42	95.5	8	-	35	59	10	25	-	-	0.70
856272	02SPA095	95	1610	42	100.5	8	-	35	63	10	25	-	-	0.90
856273	02SPA100	100	1610	42	105.5	8	-	35	66	10	25	-	-	1.00
856274	02SPA106	106	1610	42	111.5	8	-	35	72	10	25	-	-	1.15
856275	02SPA112	112	1610	42	117.5	8	-	35	78	10	25	-	-	1.25
856276	02SPA118	118	1610	42	123.5	8	-	35	84	10	25	-	-	1.60
856277	02SPA125	125	1610	42	130.5	8	-	35	91	10	25	-	-	1.90
856278	02SPA132	132	2012	50	137.5	8	-	35	98	3	32	-	-	2.00
856279	02SPA140	140	2012	50	145.5	8	-	35	106	3	32	-	-	2.60
856280	02SPA150	150	2012	50	155.5	8	-	35	116	3	32	-	-	3.00
856281	02SPA160	160	2012	50	165.5	8	-	35	125	3	32	-	-	3.50
856282	02SPA170	170	2012	50	175.5	8	-	35	135	3	32	-	-	4.30
856283	02SPA180	180	2012	50	185.5	6	10	35	146	1.5	32	1.5	100	3.50
856284	02SPA190	190	2012	50	195.5	6	10	35	156	1.5	32	1.5	100	4.25
856285	02SPA200	200	2517	60	205.5	7	10	35	165	5	45	5	120	4.80
875459	02SPA212	212	2517	60	217.5	7	10	35	178	5	45	5	120	5.50
856286	02SPA224	224	2517	60	229.5	7	10	35	189	5	45	5	120	5.70
875460	02SPA236	236	2517	60	241.5	7	10	35	202	5	45	5	120	5.50
856287	02SPA250	250	2517	60	255.5	4	-	35	215	5	45	5	120	5.75
856288	02SPA280	280	2517	60	285.5	4	-	35	245	-	45	10	120	6.20
875462	02SPA300	300	2517	60	305.5	4	-	35	265	-	45	10	120	7.50
856289	02SPA315	315	2517	60	320.5	4	-	35	280	-	45	10	120	7.20
856290	02SPA355	355	2517	60	360.5	4	-	35	320	-	45	10	120	9.50
856291	02SPA400	400	2517	60	405.5	4	-	35	365	-	45	10	120	10.00
875465	02SPA450	450	2517	60	455.5	4	-	35	415	-	45	10	120	12.20
856292	02SPA500	500	2517	75	505.5	4	-	35	465	-	51	16	150	14.30
856293	02SPA560	560	3020	75	565.5	4	-	35	525	-	51	16	150	19.00
856294	02SPA630	630	3020	75	635.5	4	-	35	595	-	51	16	150	22.00

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

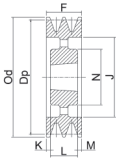
SPA - 3 groove



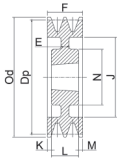
Type 2



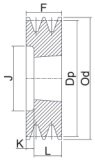
Type 4



Type 5



Type 6

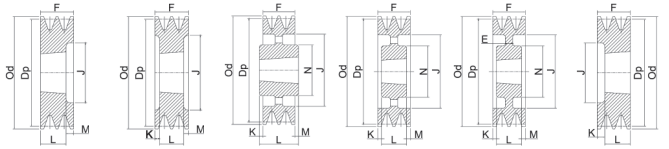


Type 8

SPA 3 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856353	03SPA071	71	1108	28	76.5	8	-	50	40	28	22	-	-	0.70
856354	03SPA075	75	1108	28	80.5	8	-	50	44	28	22	-	-	0.80
856355	03SPA080	80	1210	32	85.5	8	-	50	47	25	25	-	-	0.80
856356	03SPA085	85	1210	32	90.5	8	-	50	50	25	25	-	-	1.10
856357	03SPA090	90	1610	42	95.5	8	-	50	60	25	25	-	-	1.00
856358	03SPA095	95	1610	42	100.5	8	-	50	64	25	25	-	-	1.00
856359	03SPA100	100	1610	42	105.5	2	-	50	70	10	25	25	-	1.30
856361	03SPA106	106	1610	42	111.5	2	-	50	76	10	25	25	-	1.50
856362	03SPA112	112	2012	50	117.5	8	-	50	83	18	32	-	-	1.60
856363	03SPA118	118	2012	50	123.5	2	-	50	86	10	32	18	-	1.90
856364	03SPA125	125	2012	50	130.5	2	-	50	92	10	32	18	-	2.30
856365	03SPA132	132	2012	50	137.5	2	-	50	98	3	32	18	-	2.50
856366	03SPA140	140	2517	60	145.5	8	-	50	106	5	45	-	-	3.00
856367	03SPA150	150	2517	60	155.5	8	-	50	116	5	45	-	-	3.70
856368	03SPA160	160	2517	60	165.5	8	-	50	126	5	45	-	-	4.50
856369	03SPA170	170	2517	60	175.5	8	-	50	138	5	45	-	-	5.30
856370	03SPA180	180	2517	60	185.5	8	-	50	146	5	45	-	-	6.10
856371	03SPA190	190	2517	60	195.5	8	-	50	158	5	45	-	-	7.15
856372	03SPA200	200	2517	60	205.5	6	12	50	165	2.5	45	2.5	120	5.80
875466	03SPA212	212	2517	60	217.5	6	12	50	178	2.5	45	2.5	120	6.80
856373	03SPA224	224	2517	60	229.5	5	-	50	189	2.5	45	2.5	120	7.20
875467	03SPA236	236	2517	60	241.5	6	12	50	202	2.5	45	2.5	120	7.00
856374	03SPA250	250	2517	60	255.5	5	-	50	215	2.5	45	2.5	120	7.40
856375	03SPA280	280	2517	60	285.5	5	-	50	245	2.5	45	2.5	120	8.65
875469	03SPA300	300	3020	60	305.5	5	-	50	265	0.5	51	0.5	150	9.80
856376	03SPA315	315	3020	75	320.5	4	-	50	280	0.5	51	0.5	150	10.00
856377	03SPA355	355	3020	75	360.5	4	-	50	320	0.5	51	0.5	150	11.85
856378	03SPA400	400	3020	75	405.5	4	-	50	365	0.5	51	0.5	150	13.70
856379	03SPA450	450	3020	75	455.5	4	-	50	415	0.5	51	0.5	150	15.85
856380	03SPA500	500	3020	75	505.5	4	-	50	465	0.5	51	0.5	150	18.30
856381	03SPA560	560	3020	75	565.5	4	-	50	525	0.5	51	0.5	150	23.10
856382	03SPA630	630	3020	75	635.5	4	-	50	595	0.5	51	0.5	150	26.60
856383	03SPA800	800	3535	90	805.5	4	-	50	765	19.5	89	19.5	170	42.70

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



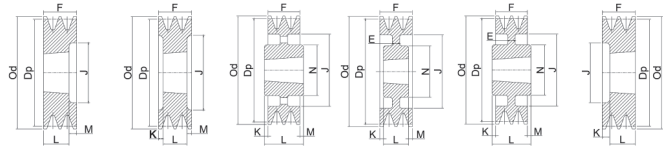
Type 2 | Type 3 | Type 4 | Type 5 | Type 6 | Type 8

SPA 4 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
875472	04SPA080	80	1210	32	85.5	8	-	65	50	40	25	-	-	1.25
875473	04SPA085	85	1210	32	90.5	8	-	65	53	40	25	-	-	1.25
856470	04SPA090	90	1615	42	95.5	3	-	65	64	13.5	38	13.5	-	1.25
856471	04SPA095	95	1615	42	100.5	3	-	65	64	13.5	38	13.5	-	1.6
856472	04SPA100	100	1615	42	105.5	2	-	65	70	-	38	27	-	1.7
856474	04SPA106	106	2012	50	111.5	8	-	65	76	33	32	-	-	1.8
856475	04SPA112	112	2012	50	117.5	8	-	65	80	33	32	-	-	2
856476	04SPA118	118	2012	50	123.5	2	-	65	86	-	32	33	-	2.3
856477	04SPA125	125	2012	50	130.5	2	-	65	92	-	32	33	-	2.8
856478	04SPA132	132	2517	60	137.5	2	-	65	98	-	45	20	-	2.9
856479	04SPA140	140	2517	60	145.5	2	-	65	106	-	45	20	-	3.5
856480	04SPA150	150	2517	60	155.5	2	-	65	116	-	45	20	-	4.2
856481	04SPA160	160	2517	60	165.5	2	-	65	126	-	45	20	-	5
856482	04SPA170	170	2517	60	175.5	2	-	65	138	-	45	20	-	5.7
856483	04SPA180	180	2517	60	185.5	2	-	65	146	-	45	20	-	6.7
856484	04SPA190	190	2517	60	195.5	2	-	65	158	-	45	20	-	7.75
856485	04SPA200	200	3020	75	205.5	2	-	65	165	-	51	14	-	8.5
875474	04SPA212	212	3020	75	217.5	2	-	65	178	-	51	14	-	9.75
856486	04SPA224	224	3020	75	229.5	2	-	65	189	-	51	14	-	10.25
875475	04SPA236	236	3020	75	241.5	6	18	65	202	7	51	7	150	9.4
856487	04SPA250	250	3020	75	255.5	6	15	65	215	7	51	7	150	9.8
856488	04SPA280	280	3020	75	285.5	5	-	65	245	7	51	7	150	12.7
875477	04SPA300	300	3020	75	305.5	5	-	65	265	7	51	7	150	13
856489	04SPA315	315	3020	75	320.5	5	-	65	280	7	51	7	150	15.5
856490	04SPA355	355	3020	75	360.5	5	-	65	320	7	51	7	150	16
856491	04SPA400	400	3020	75	405.5	5	-	65	365	7	51	7	150	16
856492	04SPA450	450	3020	75	455.5	5	-	65	415	7	51	7	150	18.5
856493	04SPA500	500	3020	75	505.5	5	-	65	465	7	51	7	150	21.5
856494	04SPA560	560	3535	90	565.5	4	-	65	525	12	89	12	170	28.5
856495	04SPA630	630	3535	90	635.5	4	-	65	595	12	89	12	170	36.7
856496	04SPA800	800	3535	90	805.5	4	-	65	765	12	89	12	170	47.7

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

SPA - 5 groove

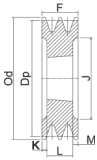


Type 2 | Type 3 | Type 4 | Type 6 | Type 7 | Type 8

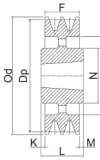
SPA 5 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856576	05SPA100	100	1615	42	105.5	2	-	80	70	-	38	42	-	2
856578	05SPA106	106	2012	50	111.5	8	-	80	76	48	32	-	-	1.9
856579	05SPA112	112	2012	50	117.5	8	-	80	80	48	32	-	-	2.4
856580	05SPA118	118	2012	50	123.5	2	-	80	86	-	32	48	-	2.6
856581	05SPA125	125	2012	50	130.5	3	-	80	92	24	32	24	-	3.15
856582	05SPA132	132	2517	60	137.5	3	-	80	98	17.5	45	17.5	-	3.4
856583	05SPA140	140	2517	60	145.5	3	-	80	106	17.5	45	17.5	-	4.55
856584	05SPA150	150	2517	60	155.5	3	-	80	116	17.5	45	17.5	-	4.7
856585	05SPA160	160	2517	60	165.5	3	-	80	126	17.5	45	17.5	-	5.7
875483	05SPA170	170	2517	60	175.5	3	-	80	136	17.5	45	17.5	-	6.5
856586	05SPA180	180	3020	75	185.5	3	-	80	146	14.5	51	14.5	-	6.6
875484	05SPA190	190	3020	75	195.5	3	-	80	156	14.5	51	14.5	-	7.8
856587	05SPA200	200	3020	75	205.5	3	-	80	165	14.5	51	14.5	-	9.1
875485	05SPA212	212	3020	75	217.5	2	-	80	178	-	51	29	-	11
856588	05SPA224	224	3020	75	229.5	2	-	80	189	-	51	29	-	12.2
875486	05SPA236	236	3020	75	241.5	6	20	80	202	14.5	51	14.5	150	10.8
856589	05SPA250	250	3020	75	255.5	6	16	80	215	14.5	51	14.5	150	10.4
856590	05SPA280	280	3535	90	285.5	7	16	80	245	4.5	89	4.5	170	18.15
875488	05SPA300	300	3535	90	305.5	7	16	80	265	4.5	89	4.5	170	17.9
856591	05SPA315	315	3535	90	320.5	7	16	80	280	4.5	89	4.5	170	13.75
856592	05SPA355	355	3535	90	360.5	4	-	80	320	4.5	89	4.5	170	23.2
856593	05SPA400	400	3535	90	405.5	4	-	80	365	4.5	89	4.5	170	20.5
856594	05SPA450	450	3535	90	455.5	4	-	80	415	4.5	89	4.5	170	29.25
856595	05SPA500	500	3535	90	505.5	4	-	80	465	4.5	89	4.5	170	34
856596	05SPA560	560	3535	90	565.5	4	-	80	525	4.5	89	4.5	170	41.2
856597	05SPA630	630	3535	90	635.5	4	-	80	595	4.5	89	4.5	170	43.8
856598	05SPA800	800	4040	100	805.5	4	-	80	765	11	102	11	200	64

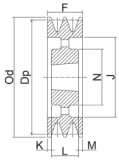
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



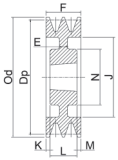
Type 3



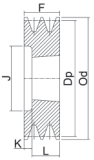
Type 4



Type 5



Type 6



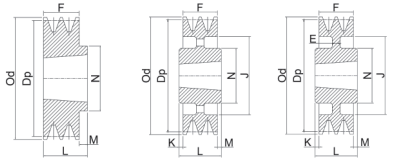
Type 8

SPA 6 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856678	06SPA100	100	1615	42	105.5	3	-	95	70	28.5	38	28.5	-	2.35
856680	06SPA106	106	2012	50	111.5	8	-	95	76	63	32	-	-	2.2
856681	06SPA112	112	2012	50	117.5	8	-	95	80	63	32	-	-	2.6
856682	06SPA118	118	2012	50	123.5	8	-	95	86	63	32	-	-	3.4
856683	06SPA125	125	2012	50	130.5	3	-	95	92	31.5	32	31.5	-	3.6
856684	06SPA132	132	2517	60	137.5	3	-	95	98	25	45	25	-	4
856685	06SPA140	140	2517	60	145.5	3	-	95	106	25	45	25	-	4.6
856686	06SPA150	150	2517	60	155.5	3	-	95	116	25	45	25	-	5.3
856687	06SPA160	160	2517	60	165.5	3	-	95	126	25	45	25	-	6.3
875491	06SPA170	170	2517	60	175.5	3	-	95	136	25	45	25	-	7.3
856688	06SPA180	180	3020	75	185.5	3	-	95	146	22	51	22	-	8.2
875492	06SPA190	190	3020	75	195.5	3	-	95	156	22	51	22	-	8.7
856689	06SPA200	200	3020	75	205.5	3	-	95	165	22	51	22	-	10
875493	06SPA212	212	3020	75	217.5	3	-	95	178	22	51	22	-	11.2
856690	06SPA224	224	3020	75	229.5	3	-	95	189	22	51	22	-	12.8
875494	06SPA236	236	3020	75	241.5	6	20	95	202	22	51	22	150	11.8
856691	06SPA250	250	3020	75	255.5	6	20	95	215	22	51	22	150	13.2
856692	06SPA280	280	3535	90	285.5	6	20	95	245	3	89	3	170	18.7
875496	06SPA300	300	3535	90	305.5	6	20	95	265	3	89	3	170	21.8
856693	06SPA315	315	3535	90	320.5	6	20	95	280	3	89	3	170	22.7
856694	06SPA355	355	3535	90	360.5	5	-	95	320	3	89	3	170	24.3
856695	06SPA400	400	3535	90	405.5	5	-	95	365	3	89	3	170	28
856696	06SPA450	450	3535	90	455.5	5	-	95	415	3	89	3	170	32.2
856697	06SPA500	500	3535	90	505.5	5	-	95	465	3	89	3	170	38.2
856698	06SPA560	560	3535	90	565.5	5	-	95	525	3	89	3	170	39.4
856699	06SPA630	630	4040	100	635.5	4	-	95	595	3.5	102	3.5	200	50
856700	06SPA800	800	4040	100	805.5	4	-	95	765	3.5	102	3.5	200	69
856679	06SPA1000	1000	4545	110	1005.5	4	-	95	965	9.5	114	9.5	225	97.5

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

SPB - 1 groove

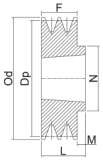


Type 1 | Type 4 | Type 7

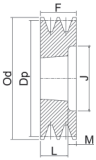
SPB 1 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856215	01SPB100	100	1610	42	107	1	-	25	-	-	25	-	-	0.8
875503	01SPB106	106	1610	42	113	1	-	25	-	-	25	-	-	1
856216	01SPB112	112	1610	42	119	1	-	25	-	-	25	-	-	1.15
856217	01SPB118	118	1610	42	125	1	-	25	-	-	25	-	-	1.2
856218	01SPB125	125	1610	42	132	1	-	25	-	-	25	-	-	1.6
856219	01SPB132	132	1610	42	139	1	-	25	-	-	25	-	-	1.8
856220	01SPB140	140	1610	42	147	1	-	25	-	-	25	-	-	2.1
856221	01SPB150	150	1610	42	157	7	10	25	113	-	25	-	80	2.4
856222	01SPB160	160	1610	42	167	7	10	25	123	-	25	-	80	2.8
856223	01SPB170	170	1610	42	177	7	10	25	133	-	25	-	80	3.4
856224	01SPB180	180	1610	42	187	7	10	25	143	-	25	-	80	2.8
856225	01SPB190	190	2012	50	197	7	10	25	147	3.5	32	3.5	100	3.7
856226	01SPB200	200	2012	50	207	7	10	25	157	3.5	32	3.5	100	3.75
856227	01SPB212	212	2012	50	219	7	10	25	169	3.5	32	3.5	100	4.1
856228	01SPB224	224	2012	50	231	7	10	25	181	3.5	32	3.5	100	4.6
856229	01SPB236	236	2012	50	243	7	10	25	193	3.5	32	3.5	100	4.65
856230	01SPB250	250	2012	50	257	7	10	25	207	3.5	32	3.5	100	4.75
856231	01SPB280	280	2012	50	287	4	-	25	237	3.5	32	3.5	100	8.2
875505	01SPB300	300	2012	50	307	4	-	25	257	3.5	32	3.5	100	5.5
856232	01SPB315	315	2012	50	322	4	-	25	272	3.5	32	3.5	100	5.8

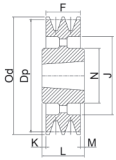
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



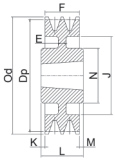
Type 1



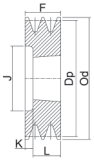
Type 2



Type 4



Type 7



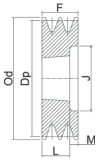
Type 8

SPB 2 groove pulleys

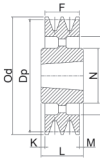
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856295	02SPB100	100	1610	42	107	8	-	44	62	19	25	-	-	1.15
875513	02SPB106	106	1610	42	113	8	-	44	67	19	25	-	-	1.25
856296	02SPB112	112	1610	42	119	2	-	44	72	-	25	19	-	1.7
856297	02SPB118	118	1610	42	125	2	-	44	78	-	25	19	-	1.85
856298	02SPB125	125	2012	50	132	2	-	44	82	-	32	12	-	2
856299	02SPB132	132	2012	50	139	2	-	44	89	-	32	12	-	2.3
856300	02SPB140	140	2012	50	147	2	-	44	97	-	32	12	-	2.8
856301	02SPB150	150	2012	50	157	2	-	44	107	-	32	12	-	3.3
856302	02SPB160	160	2012	50	167	2	-	44	117	-	32	12	-	3.9
856303	02SPB170	170	2012	50	177	2	-	44	127	-	32	12	-	4.5
856304	02SPB180	180	2517	60	187	1	-	44	-	-	45	1	120	5.6
856305	02SPB190	190	2517	60	197	1	-	44	-	-	45	1	120	6.5
856306	02SPB200	200	2517	60	207	1	-	44	-	-	45	1	120	7.5
856307	02SPB212	212	2517	60	219	7	10	44	169	-	45	1	120	6.15
856308	02SPB224	224	2517	60	231	7	10	44	181	1	45	1	120	6.7
856309	02SPB236	236	2517	60	243	7	10	44	193	1	45	1	120	7.15
856310	02SPB250	250	2517	60	257	4	-	44	207	1	45	1	120	7.3
856311	02SPB280	280	2517	60	287	4	-	44	237	1	45	1	120	8.4
856312	02SPB300	300	2517	60	307	4	-	44	257	1	45	1	120	8.75
856313	02SPB315	315	2517	60	322	4	-	44	272	1	45	1	120	9.2
856314	02SPB335	335	2517	60	342	4	-	44	292	1	45	1	120	10.4
856315	02SPB355	355	3020	75	362	4	-	44	312	3.5	51	3.5	150	12.5
856316	02SPB400	400	3020	75	407	4	-	44	357	3.5	51	3.5	150	14.5
856317	02SPB450	450	3020	75	457	4	-	44	407	3.5	51	3.5	150	15.5
856318	02SPB500	500	3020	75	507	4	-	44	457	3.5	51	3.5	150	17
856319	02SPB560	560	3030	75	567	4	-	44	517	4	76	28	150	26.2
856320	02SPB630	630	3030	75	637	4	-	44	587	4	76	28	150	29.7

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

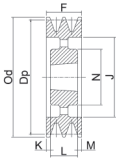
SPB - 3 groove



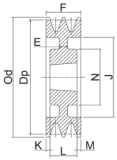
Type 2



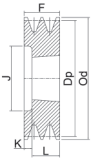
Type 4



Type 5



Type 6

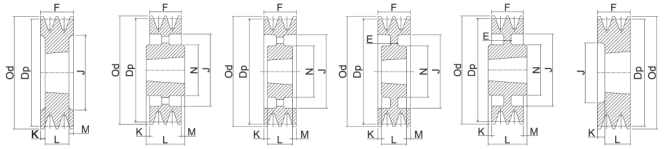


Type 8

SPB 3 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856384	03SPB100	100	1610	42	107	8	-	63	57	38	25	-	-	1.6
875520	03SPB106	106	1610	42	113	8	-	63	67	38	25	-	-	1.9
856386	03SPB112	112	1610	42	119	2	-	63	72	-	25	38	-	2.2
856387	03SPB118	118	1610	42	125	2	-	63	78	-	25	38	-	2.25
856388	03SPB125	125	2012	50	132	2	-	63	82	-	32	31	-	2.7
856390	03SPB132	132	2012	50	139	2	-	63	89	-	32	31	-	3.2
856391	03SPB140	140	2012	50	147	2	-	63	97	-	32	31	-	3.6
856392	03SPB150	150	2517	60	157	2	-	63	107	-	45	18	-	4.1
856393	03SPB160	160	2517	60	167	2	-	63	117	-	45	18	-	4.8
856394	03SPB170	170	2517	60	177	2	-	63	127	-	45	18	-	5.75
856395	03SPB180	180	2517	60	187	2	-	63	137	-	45	18	-	6.6
856396	03SPB190	190	2517	60	197	2	-	63	147	-	45	18	-	7.5
856397	03SPB200	200	2517	60	207	2	-	63	157	-	45	18	-	8.6
856398	03SPB212	212	2517	60	219	6	20	63	169	-	45	18	120	7.2
856399	03SPB224	224	2517	60	231	6	20	63	181	-	45	18	120	8.2
856400	03SPB236	236	2517	60	243	6	16	63	193	-	45	18	120	9
856401	03SPB250	250	3020	75	257	6	16	63	207	-	51	12	150	10.25
856402	03SPB280	280	3020	75	287	5	-	63	237	6	51	6	150	11.6
856403	03SPB300	300	3020	75	307	5	-	63	257	6	51	6	150	12.15
856404	03SPB315	315	3020	75	322	5	-	63	272	6	51	6	150	12.4
856405	03SPB335	335	3020	75	342	5	-	63	292	6	51	6	150	13.7
856406	03SPB355	355	3020	75	362	5	-	63	312	6	51	6	150	14.3
856407	03SPB400	400	3535	90	407	4	-	63	357	13	89	13	170	21.15
856408	03SPB450	450	3535	90	457	4	-	63	407	-	89	26	170	24.4
856409	03SPB500	500	3535	90	507	4	-	63	457	-	89	26	170	27.1
856410	03SPB560	560	3535	90	567	4	-	63	517	-	89	26	170	35
856411	03SPB630	630	3535	90	637	4	-	63	587	-	89	26	170	41.5
856412	03SPB710	710	3535	90	717	4	-	63	664	4	89	22	170	48.7
856413	03SPB800	800	3535	90	807	4	-	63	754	4	89	22	170	55.1
856414	03SPB900	900	3535	90	907	4	-	63	854	4	89	22	170	63.8
856385	03SPB1000	1000	4040	100	1007	4	-	63	954	6	102	33	200	82

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



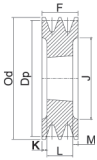
Type 3 | Type 4 | Type 5 | Type 6 | Type 7 | Type 8

SPB 4 groove pulleys

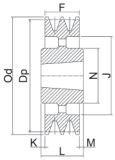
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
875526	04SPB100	100	1615	42	107	8	-	82	57	44	38	-	-	1.95
875527	04SPB106	106	1615	42	113	8	-	82	63	44	38	-	-	2.4
875528	04SPB112	112	2012	50	119	8	-	82	72	50	32	-	-	2.8
875529	04SPB118	118	2012	50	125	8	-	82	78	50	32	-	-	2.8
856498	04SPB125	125	2012	50	132	3	-	82	82	25	32	25	-	3.15
856500	04SPB132	132	2012	50	139	3	-	82	89	25	32	25	-	3.9
856501	04SPB140	140	2517	60	147	3	-	82	97	18.5	45	18.5	-	3.7
856502	04SPB150	150	2517	60	157	3	-	82	107	18.5	45	18.5	-	4.8
856503	04SPB160	160	2517	60	167	3	-	82	117	18.5	45	18.5	-	5.7
886684	04SPB1603020	160	3020	60	167	3	-	82	117	18.5	45	-	-	6.5
856504	04SPB170	170	2517	60	177	3	-	82	127	18.5	45	18.5	-	6.5
856505	04SPB180	180	2517	60	187	3	-	82	137	18.5	45	18.5	-	7.4
856506	04SPB190	190	2517	60	197	3	-	82	147	18.5	45	18.5	-	8.5
856507	04SPB200	200	3020	75	207	3	-	82	157	15.5	51	15.5	-	9.25
856508	04SPB212	212	3020	75	219	3	-	82	169	15.5	51	15.5	-	10.8
856509	04SPB224	224	3020	75	231	3	-	82	181	15.5	51	15.5	-	12.1
856510	04SPB236	236	3020	75	243	3	-	82	193	15.5	51	15.5	-	14
856511	04SPB250	250	3020	75	257	6	16	82	207	15.5	51	15.5	150	11.7
856512	04SPB280	280	3020	75	287	6	16	82	237	15.5	51	15.5	150	14.2
856513	04SPB300	300	3020	75	307	5	-	82	257	15.5	51	15.5	150	19.2
856514	04SPB315	315	3535	90	322	7	16	82	272	3.5	89	3.5	170	20.5
856515	04SPB335	335	3535	90	342	4	-	82	292	3.5	89	3.5	170	20
856516	04SPB355	355	3535	90	362	4	-	82	312	3.5	89	3.5	170	20.1
856517	04SPB400	400	3535	90	407	4	-	82	357	3.5	89	3.5	170	24.45
856518	04SPB450	450	3535	90	457	4	-	82	407	-	89	7	170	32.1
856519	04SPB500	500	3535	90	507	4	-	82	457	-	89	7	170	29
856520	04SPB560	560	3535	90	567	4	-	82	517	-	89	7	170	37.7
856521	04SPB630	630	3535	90	637	4	-	82	587	-	89	7	170	46
856522	04SPB710	710	3535	90	717	4	-	82	664	3.5	89	3.5	187	64.5
856523	04SPB800	800	4040	100	807	4	-	82	754	4	102	16	200	66.5
856524	04SPB900	900	4040	100	907	4	-	82	854	4	102	16	200	80
856497	04SPB1000	1000	4040	100	1007	4	-	82	954	4	102	16	200	96.6

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

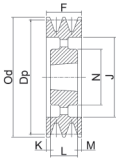
SPB - 5 groove



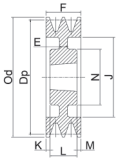
Type 3



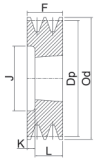
Type 4



Type 5



Type 6

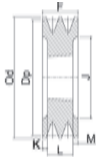


Type 8

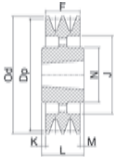
SPB 5 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856600	05SPB125	125	2012	50	132	8	-	101	82	69	32	-	-	3.9
856602	05SPB132	132	2517	60	139	8	-	101	89	56	45	-	-	4.05
856603	05SPB140	140	2517	60	147	3	-	101	101	28	45	28	-	4.5
856604	05SPB150	150	2517	60	157	3	-	101	107	28	45	28	-	5.65
856605	05SPB160	160	2517	60	167	3	-	101	117	28	45	28	-	6.6
886685	05SPB1603020	160	3020	60	167	3	-	101	117	28	45	-	-	6.6
856606	05SPB170	170	3020	75	177	3	-	101	127	25	51	25	-	6.6
856607	05SPB180	180	3020	75	187	3	-	101	137	25	51	25	-	7.9
856608	05SPB190	190	3020	75	197	3	-	101	147	25	51	25	-	9
856609	05SPB200	200	3020	75	207	3	-	101	157	25	51	25	-	10.6
856610	05SPB212	212	3020	75	219	3	-	101	169	25	51	25	-	12.5
856611	05SPB224	224	3020	75	231	3	-	101	181	25	51	25	-	13.6
856612	05SPB236	236	3535	90	243	3	-	101	193	6	89	6	-	19
856613	05SPB250	250	3535	90	257	3	-	101	207	6	89	6	-	22.4
856614	05SPB280	280	3535	90	287	6	18	101	237	6	89	6	170	20.5
856615	05SPB300	300	3535	90	307	6	18	101	257	6	89	6	170	21.6
856616	05SPB315	315	3535	90	322	6	18	101	272	6	89	6	170	23
856617	05SPB335	335	3535	90	342	5	-	101	292	6	89	6	170	23.6
856618	05SPB355	355	3535	90	362	5	-	101	312	6	89	6	170	22.5
856619	05SPB400	400	3535	90	407	5	-	101	357	6	89	6	170	27
856620	05SPB450	450	3535	90	457	5	-	101	407	-	89	12	170	30.7
856621	05SPB500	500	3535	90	507	5	-	101	457	-	89	12	170	36
856622	05SPB560	560	4040	100	567	4	-	101	517	-	102	1	200	49
856623	05SPB630	630	4040	100	637	4	-	101	587	-	102	1	200	55.3
856624	05SPB710	710	4040	100	717	4	-	101	664	0.5	102	0.5	200	78
856625	05SPB800	800	4040	100	807	4	-	101	754	0.5	102	0.5	200	72.4
856626	05SPB900	900	4545	110	907	4	-	101	854	6.5	114	6.5	225	93.1
856599	05SPB1000	1000	4545	110	1007	4	-	101	954	6.5	114	6.5	225	110.5

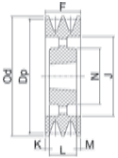
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



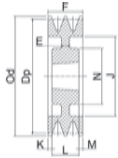
Type 3



Type 4



Type 5



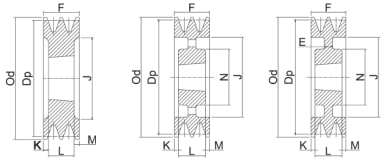
Type 6

SPB 6 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856703	06SPB140	140	2517	60	147	3	-	120	102	37.5	45	37.5	-	5
856704	06SPB150	150	2517	60	157	3	-	120	107	37.5	45	37.5	-	6.5
856705	06SPB160	160	3020	75	167	3	-	120	123	34.5	51	34.5	-	6.25
856706	06SPB170	170	3020	75	177	3	-	120	127	34.5	51	34.5	-	7.6
856707	06SPB180	180	3020	75	187	3	-	120	137	34.5	51	34.5	-	9.2
856708	06SPB190	190	3020	75	197	3	-	120	147	34.5	51	34.5	-	10
856709	06SPB200	200	3020	75	207	3	-	120	157	34.5	51	34.5	-	11.5
856710	06SPB212	212	3535	90	219	3	-	120	169	15.5	89	15.5	-	14.8
856711	06SPB224	224	3535	90	231	3	-	120	181	15.5	89	15.5	-	17.5
856712	06SPB236	236	3535	90	243	3	-	120	193	15.5	89	15.5	-	21
856713	06SPB250	250	3535	90	257	3	-	120	207	15.5	89	15.5	-	24
856714	06SPB280	280	3535	90	287	6	18	120	237	15.5	89	15.5	170	22.5
856715	06SPB300	300	3535	90	307	6	18	120	257	15.5	89	15.5	170	24.2
856716	06SPB315	315	3535	90	322	6	18	120	272	15.5	89	15.5	170	25.7
856717	06SPB335	335	3535	90	342	6	18	120	292	15.5	89	15.5	170	25
856718	06SPB355	355	3535	90	362	5	-	120	312	15.5	89	15.5	170	26
856719	06SPB400	400	3535	90	407	5	-	120	357	15.5	89	15.5	170	32.9
856720	06SPB450	450	4040	100	457	5	-	120	407	-	102	18	200	42
856721	06SPB500	500	4040	100	507	5	-	120	457	-	102	18	200	43
856722	06SPB560	560	4040	100	567	5	-	120	517	-	102	18	200	52.5
856723	06SPB630	630	4040	100	637	5	-	120	587	-	102	18	200	67.9
856724	06SPB710	710	4040	100	717	5	-	120	664	9	102	9	200	96
856725	06SPB800	800	4545	110	807	5	-	120	754	3	114	3	225	92.5
856726	06SPB900	900	4545	110	907	5	-	120	854	3	114	3	225	109.4
856701	06SPB1000	1000	4545	110	1007	5	-	120	954	3	114	3	225	127.4
856702	06SPB1250	1250	5050	125	1257	4	-	120	1204	3.5	127	3.5	245	159.6

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

SPB - 8 groove

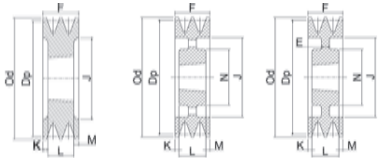


Type 3 | Type 5 | Type 6

SPB 8 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
875547	08SPB140	140	2517	60	147	3	-	158	101	56.5	45	56.5	-	6.5
856779	08SPB160	160	3020	75	167	3	-	158	123	53.5	51	53.5	-	7
856780	08SPB170	170	3030	75	177	3	-	158	127	41	76	41	-	9.3
856781	08SPB180	180	3030	75	187	3	-	158	137	41	76	41	-	10.75
856782	08SPB190	190	3030	75	197	3	-	158	147	41	76	41	-	13.75
856783	08SPB200	200	3535	90	207	3	-	158	157	34.5	89	34.5	-	14.9
856784	08SPB212	212	3535	90	219	3	-	158	169	34.5	89	34.5	-	17.6
856785	08SPB224	224	3535	90	231	3	-	158	181	34.5	89	34.5	-	20.5
856786	08SPB236	236	3535	90	243	3	-	158	193	34.5	89	34.5	-	22.9
856787	08SPB250	250	3535	90	257	3	-	158	207	34.5	89	34.5	-	27.1
856788	08SPB280	280	3535	90	287	6	40	158	237	34.5	89	34.5	170	28.4
856789	08SPB300	300	3535	90	307	6	20	158	257	34.5	89	34.5	170	28.2
856790	08SPB315	315	3535	90	322	6	18	158	272	34.5	89	34.5	170	32.2
856791	08SPB335	335	3535	90	342	6	18	158	292	34.5	89	34.5	170	31.8
856792	08SPB355	355	3535	90	362	6	18	158	312	34.5	89	34.5	170	40.5
856793	08SPB400	400	4040	100	407	5	-	158	357	28	102	28	200	50
856794	08SPB450	450	4040	100	457	5	-	158	407	28	102	28	200	57.3
856795	08SPB500	500	4040	100	507	5	-	158	457	28	102	28	200	54
856796	08SPB560	560	4545	110	567	5	-	158	517	22	114	22	225	71.8
856797	08SPB630	630	4545	110	637	5	-	158	587	22	114	22	225	79.4
856798	08SPB710	710	4545	110	717	5	-	158	664	22	114	22	225	97.4
856799	08SPB800	800	4545	110	807	5	-	158	754	22	114	22	225	107.5
856800	08SPB900	900	4545	110	907	5	-	158	854	22	114	22	225	130
856777	08SPB1000	1000	5050	125	1007	5	-	158	954	15.5	127	15.5	245	173.9

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



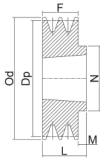
Type 3 | Type 5 | Type 6

SPB 10 groove pulleys

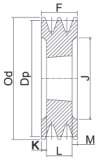
Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856838	10SPB224	224	3535	90	231	3	-	196	181	53.5	89	53.5	-	21.8
856839	10SPB236	236	3535	90	243	3	-	196	193	53.5	89	53.5	-	26.4
856840	10SPB250	250	3535	90	257	3	-	196	207	53.5	89	53.5	-	30.3
856841	10SPB280	280	3535	90	287	3	-	196	237	53.5	89	53.5	-	32.4
856842	10SPB315	315	3535	90	322	6	30	196	272	53.5	89	53.5	170	35.3
856843	10SPB335	335	4040	100	342	6	30	196	292	47	102	47	200	39.4
856844	10SPB355	355	4040	100	362	6	30	196	312	47	102	47	200	47.5
856845	10SPB400	400	4040	100	407	6	30	196	357	47	102	47	200	52
856846	10SPB450	450	4545	110	457	5	-	196	407	41	114	41	225	62.7
856847	10SPB500	500	4545	110	507	5	-	196	457	41	114	41	225	75
856848	10SPB560	560	4545	110	567	5	-	196	517	41	114	41	225	80.5
856849	10SPB630	630	4545	110	637	5	-	196	587	41	114	41	225	89.4
856850	10SPB710	710	4545	110	717	5	-	196	664	41	114	41	225	117.8
856851	10SPB800	800	4545	110	807	5	-	196	754	41	114	41	225	131.7
856852	10SPB900	900	5050	125	907	5	-	196	854	34.5	127	34.5	245	160.1
856837	10SPB1000	1000	5050	125	1007	5	-	196	954	34.5	127	34.5	245	193.2

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

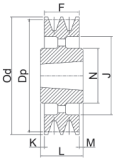
SPC - 3 groove



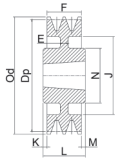
Type 1



Type 3



Type 4

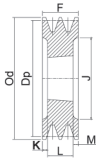


Type 7

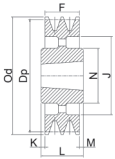
SPC 3 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856417	03SPC200	200	2517	60	209.6	3	-	85	148	20	45	20	-	9.75
856418	03SPC212	212	3020	75	221.6	3	-	85	160	17	51	17	-	10.5
856419	03SPC224	224	3020	75	233.6	3	-	85	173	17	51	17	-	12.1
856420	03SPC236	236	3020	75	245.6	3	-	85	185	17	51	17	-	13.8
856421	03SPC250	250	3020	75	259.6	3	-	85	198	17	51	17	-	15.8
856422	03SPC265	265	3535	90	274.6	1	-	85	215	-	89	4	170	23.2
856423	03SPC280	280	3535	90	289.6	7	25	85	228	-	89	4	170	27.3
856424	03SPC300	300	3535	90	309.6	7	18	85	247	2	89	2	170	21.3
856425	03SPC315	315	3535	90	324.6	7	18	85	262	2	89	2	170	22.25
856426	03SPC335	335	3535	90	344.6	7	18	85	282	2	89	2	170	24.7
856427	03SPC355	355	3535	90	364.6	7	18	85	304	2	89	2	170	23.55
856428	03SPC375	375	3535	90	384.6	4	-	85	324	2	89	2	170	26
856429	03SPC400	400	3535	90	409.6	4	-	85	344	2	89	2	170	28
856430	03SPC425	425	3535	90	434.6	4	-	85	369	2	89	2	170	35
856431	03SPC450	450	3535	90	459.6	4	-	85	394	2	89	2	170	33.4
856432	03SPC475	475	3535	90	484.6	4	-	85	419	2	89	2	170	35.8
856433	03SPC500	500	3535	90	509.6	4	-	85	444	2	89	2	170	36.4
856434	03SPC530	530	3535	90	539.6	4	-	85	474	2	89	2	170	40
856435	03SPC560	560	3535	90	569.6	4	-	85	504	2	89	2	170	47.7
856436	03SPC630	630	4040	100	639.6	4	-	85	574	8.5	102	8.5	200	54.8
875596	03SPC710	710	4040	100	719.6	4	-	85	654	8.5	102	8.5	200	70
856437	03SPC800	800	4545	110	809.6	4	-	85	737	4	114	25	225	81.6
856415	03SPC1000	1000	5050	125	1009.6	4	-	85	937	8	127	34	245	110.00
856416	03SPC1250	1250	5050	125	1259.6	4	-	85	1187	8	127	34	245	164.8

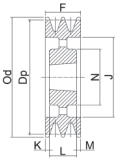
Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



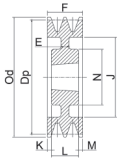
Type 3



Type 4



Type 5



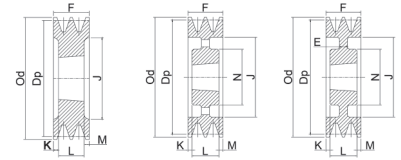
Type 6

SPC 4 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856527	04SPC200	200	3020	75	209.6	3	-	110.5	144	29.75	51	29.75	-	11.2
856528	04SPC212	212	3020	75	221.6	3	-	110.5	156	29.75	51	29.75	-	13
856529	04SPC224	224	3535	90	233.6	3	-	110.5	172	10.75	89	10.75	-	16.3
856530	04SPC236	236	3535	90	245.6	3	-	110.5	184	10.75	89	10.75	-	16.4
856531	04SPC250	250	3535	90	259.6	3	-	110.5	198	10.75	89	10.75	-	22.5
856532	04SPC265	265	3535	90	274.6	3	-	110.5	213	10.75	89	10.75	-	26.65
856533	04SPC280	280	3535	90	289.6	3	-	110.5	228	10.75	89	10.75	-	30.4
856534	04SPC300	300	3535	90	309.6	6	20	110.5	247	10.75	89	10.75	170	24.3
856535	04SPC315	315	3535	90	324.6	6	20	110.5	262	10.75	89	10.75	170	25.5
856536	04SPC335	335	3535	90	344.6	6	20	110.5	282	10.75	89	10.75	170	27.5
856537	04SPC355	355	3535	90	364.6	6	20	110.5	303	10.75	89	10.75	170	31.9
856538	04SPC375	375	3535	90	384.6	6	25	110.5	324	10.75	89	10.75	170	32.7
856539	04SPC400	400	3535	90	409.6	5	-	110.5	348	10.75	89	10.75	170	38.45
856540	04SPC425	425	3535	90	434.6	5	-	110.5	369	10.75	89	10.75	170	39.8
856541	04SPC450	450	3535	90	459.6	5	-	110.5	394	10.75	89	10.75	170	40.7
856542	04SPC475	475	3535	90	484.6	5	-	110.5	419	10.75	89	10.75	170	42
856543	04SPC500	500	3535	90	509.6	5	-	110.5	444	10.75	89	10.75	170	41.5
856544	04SPC530	530	3535	90	539.6	5	-	110.5	474	10.75	89	10.75	170	61.1
856545	04SPC560	560	4040	100	569.6	5	-	110.5	504	4.25	102	4.25	200	60
856546	04SPC630	630	4545	110	639.6	4	-	110.5	574	1.75	114	1.75	225	77.1
875601	04SPC710	710	4545	125	719.6	4	-	110.5	654	1.75	114	1.75	225	92.3
856547	04SPC800	800	5050	125	809.6	4	-	110.5	737	4	127	12	245	96
856525	04SPC1000	1000	5050	125	1009.6	4	-	110.5	937	1	127	12	245	132.00
856526	04SPC1250	1250	5050	125	1259.6	4	-	110.5	1187	4	127	12	245	189.5

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

SPC - 5 groove

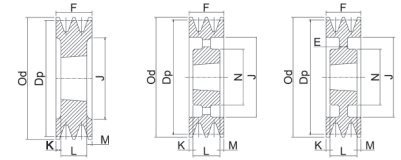


Type 3 | Type 5 | Type 6

SPC 5 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856629	05SPC200	200	3535	90	209.6	3	-	136	150	23.5	89	23.5	-	12.6
856630	05SPC212	212	3535	90	221.6	3	-	136	160	23.5	89	23.5	-	17.2
856631	05SPC224	224	3535	90	233.6	3	-	136	173	23.5	89	23.5	-	18.6
856632	05SPC236	236	3535	90	245.6	3	-	136	185	23.5	89	23.5	-	19
856633	05SPC250	250	3535	90	259.6	3	-	136	198	23.5	89	23.5	-	23.5
856634	05SPC265	265	3535	90	274.6	3	-	136	213	23.5	89	23.5	-	29.2
856635	05SPC280	280	3535	90	289.6	3	-	136	228	23.5	89	23.5	-	33.1
856636	05SPC300	300	3535	90	309.6	6	20	136	247	23.5	89	23.5	170	27.8
856637	05SPC315	315	3535	90	324.6	6	20	136	264	23.5	89	23.5	170	28.6
856638	05SPC335	335	3535	90	344.6	6	20	136	280	23.5	89	23.5	170	31.35
856639	05SPC355	355	3535	90	364.6	6	20	136	304	23.5	89	23.5	170	34.5
856640	05SPC375	375	3535	90	384.6	5	-	136	324	23.5	89	23.5	170	39.2
856641	05SPC400	400	3535	90	409.6	5	-	136	344	23.5	89	23.5	170	39.5
856642	05SPC425	425	3535	100	434.6	5	-	136	369	17	102	17	200	45.7
856643	05SPC450	450	4040	100	459.6	5	-	136	394	17	102	17	200	48
856644	05SPC475	475	4040	100	484.6	5	-	136	419	17	102	17	200	51.5
856645	05SPC500	500	4040	100	509.6	5	-	136	444	17	102	17	200	68.2
856646	05SPC530	530	4040	100	539.6	5	-	136	474	17	102	17	200	67.1
856647	05SPC560	560	4545	110	569.6	5	-	136	504	11	114	11	225	71.5
856648	05SPC630	630	5050	125	639.6	5	-	136	574	4.5	127	4.5	245	94.5
856649	05SPC710	710	5050	125	719.6	5	-	136	654	4.5	127	4.5	245	108.5
856650	05SPC800	800	5050	125	809.6	5	-	136	737	4.5	127	4.5	245	124.7
856627	05SPC1000	1000	5050	125	1009.6	5	-	136	937	4.5	127	4.5	245	157
856628	05SPC1250	1250	5050	125	1259.6	5	-	136	1187	4.5	127	4.5	245	212

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



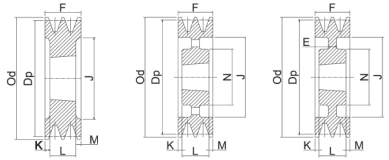
Type 3 | Type 5 | Type 6

SPC 6 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856729	06SPC200	200	3535	90	209.6	3	-	161.5	148	36.25	89	36.25	-	14.7
856730	06SPC212	212	3535	90	221.6	3	-	161.5	160	36.25	89	36.25	-	17.4
856731	06SPC224	224	3535	90	233.6	3	-	161.5	173	36.25	89	36.25	-	20.3
856732	06SPC236	236	3535	90	245.6	3	-	161.5	185	36.25	89	36.25	-	23.4
856733	06SPC250	250	3535	90	259.6	3	-	161.5	198	36.25	89	36.25	-	27
856734	06SPC265	265	3535	90	274.6	3	-	161.5	213	36.25	89	36.25	-	31
856735	06SPC280	280	3535	90	289.6	3	-	161.5	228	36.25	89	36.25	-	35.2
856736	06SPC300	300	3535	90	309.6	6	20	161.5	247	36.25	89	36.25	170	32.4
856737	06SPC315	315	3535	90	324.6	6	20	161.5	264	36.25	89	36.25	170	30.5
856738	06SPC335	335	3535	90	344.6	6	20	161.5	280	36.25	89	36.25	170	32
856739	06SPC355	355	3535	90	364.6	6	20	161.5	304	36.25	89	36.25	170	38.3
856740	06SPC375	375	4040	100	384.6	6	20	161.5	324	29.75	102	29.75	200	42.9
856741	06SPC400	400	4040	100	409.6	6	20	161.5	348	29.75	102	29.75	200	48.8
856742	06SPC425	425	4040	110	434.6	6	30	161.5	369	23.75	114	23.75	225	62.2
856743	06SPC450	450	4545	110	459.6	5	-	161.5	394	23.75	114	23.75	225	63.1
856744	06SPC475	475	4545	110	484.6	5	-	161.5	419	23.75	114	23.75	225	70.8
856745	06SPC500	500	4545	110	509.6	5	-	161.5	444	23.75	114	23.75	225	72.7
856746	06SPC530	530	4545	110	539.6	5	-	161.5	474	23.75	114	23.75	225	76.9
856747	06SPC560	560	5050	125	569.6	5	-	161.5	504	17.25	127	17.25	245	89.1
856748	06SPC630	630	5050	125	639.6	5	-	161.5	574	17.25	127	17.25	245	98.5
856749	06SPC710	710	5050	125	719.6	5	-	161.5	656	17.25	127	17.25	245	111
856750	06SPC800	800	5050	125	809.6	5	-	161.5	737	17.25	127	17.25	245	133.4
856727	06SPC1000	1000	5050	125	1009.6	5	-	161.5	937	17.25	127	17.25	245	168.6
856728	06SPC1250	1250	5050	125	1259.6	5	-	161.5	1187	17.25	127	17.25	245	244.8

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

SPC - 8 groove

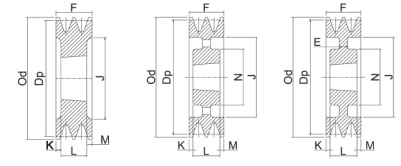


Type 3 | Type 5 | Type 6

SPC 8 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
856803	08SPC200	200	3535	90	209.6	3	-	212.5	148	61.75	89	61.75	-	17.9
856804	08SPC212	212	3535	90	221.6	3	-	212.5	160	61.75	89	61.75	-	21
856805	08SPC224	224	3535	90	233.6	3	-	212.5	170	61.75	89	61.75	-	24.2
856806	08SPC236	236	3535	90	245.6	3	-	212.5	184	61.75	89	61.75	-	27
856807	08SPC250	250	3535	90	259.6	3	-	212.5	198	61.75	89	61.75	-	29.1
856808	08SPC265	265	3535	90	274.6	3	-	212.5	213	61.75	89	61.75	-	32.8
856809	08SPC280	280	3535	90	289.6	3	-	212.5	228	61.75	89	61.75	-	40.1
856810	08SPC300	300	4040	100	309.6	3	-	212.5	247	55.25	102	55.25	-	47.8
856811	08SPC315	315	4040	100	324.6	3	-	212.5	258	55.25	102	55.25	-	53.9
856812	08SPC335	335	4040	100	344.6	6	62	212.5	282	55.25	102	55.25	200	44.2
856813	08SPC355	355	4040	100	364.6	3	-	212.5	304	55.25	102	55.25	-	48.1
856814	08SPC375	375	4545	110	384.6	6	20	212.5	324	49.25	114	49.25	225	52.9
856815	08SPC400	400	4545	110	409.6	6	20	212.5	348	49.25	114	49.25	225	61.4
856816	08SPC425	425	4545	125	434.6	6	30	212.5	369	42.75	127	42.75	245	72.7
856817	08SPC450	450	5050	125	459.6	6	30	212.5	394	42.75	127	42.75	245	71.5
856818	08SPC475	475	5050	125	484.6	6	30	212.5	419	42.75	127	42.75	245	89
856819	08SPC500	500	5050	125	509.6	6	30	212.5	444	42.75	127	42.75	245	92.4
856820	08SPC530	530	5050	125	539.6	6	30	212.5	474	42.75	127	42.75	245	94.5
856821	08SPC560	560	5050	125	569.6	5	-	212.5	504	42.75	127	42.75	245	102
856822	08SPC630	630	5050	125	639.6	5	-	212.5	574	42.75	127	42.75	245	105
856823	08SPC710	710	5050	125	719.6	5	-	212.5	656	42.75	127	42.75	245	132
856824	08SPC800	800	5050	125	809.6	5	-	212.5	737	42.75	127	42.75	245	178.5
856801	08SPC1000	1000	5050	125	1009.6	5	-	212.5	937	42.75	127	42.75	245	236
856802	08SPC1250	1250	5050	125	1259.6	5	-	212.5	1187	42.75	127	42.75	245	267.3

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.



Type 3 | Type 5 | Type 6

SPC 10 groove pulleys

Rubix eng. code	Product description	Pitch dia Dp	Bush size	Max bore (bush)	Outside dia Od	Type	E	F	J	K	L	M	N	Kg
875607	10SPC250	250	4040	100	259.6	3	-	263.5	196	80.75	102	80.75	-	36
875609	10SPC280	280	4040	100	289.6	3	-	263.5	226	80.75	102	80.75	-	47
875610	10SPC300	300	4545	110	309.6	3	-	263.5	245	74.75	114	74.75	-	54
875611	10SPC315	315	4545	110	324.6	3	-	263.5	258	74.75	114	74.75	-	62.6
875613	10SPC355	355	4545	110	364.6	3	-	263.5	299	74.75	114	74.75	-	68.3
875614	10SPC375	375	4545	125	384.6	6	70	263.5	319	74.75	114	74.75	225	66.3
875615	10SPC400	400	5050	125	409.6	6	70	263.5	342	68.25	127	68.25	245	80
875617	10SPC450	450	5050	125	459.6	6	25	263.5	394	68.25	127	68.25	245	93
875619	10SPC500	500	5050	125	509.6	6	25	263.5	444	68.25	127	68.25	245	110
875621	10SPC560	560	5050	125	569.6	5	-	263.5	504	68.25	127	68.25	245	124
875622	10SPC630	630	5050	125	639.6	5	-	263.5	574	68.25	127	68.25	245	141.8
875623	10SPC710	710	5050	125	719.6	5	-	263.5	656	68.25	127	68.25	245	158.3
875624	10SPC800	800	5050	125	809.6	5	-	263.5	737	0	127	68.25	245	187.1
875626	10SPC1000	1000	5050	125	1009.6	5	-	263.5	937	68.25	127	68.25	245	274.3
875627	10SPC1250	1250	5050	125	1259.6	5	-	263.5	1187	68.25	127	68.25	245	340.6

Please note that type 4 and 5 are spoked pulleys.
Non-functional dimensions may vary.

Installation, fitting, and removal of taper bushes to pulleys and sprockets

Before you begin any maintenance work, check the machine is switched off and machine components are secured in a locked position to prevent unexpected movement and potential injury to you or others.

Prior to any installation, ensure all components are wiped down and cleaned from any dirt, residue or oil. Confirm that the pulleys are undamaged checking pulley is right size for the application required.

Installation and fitting:

1. Insert the Mecaline taper bush into the hub so that the connecting bores are all lined up ensuring grub screw holes all line up. Then, loosely place screws in the threaded holes.

Tip: A small amount of oil should be applied in the thread and under the cap screw heads.

To fit a key, place it in the shaft keyway before fitting the taper bush. Ensure that the key has top clearance, is parallel and has side fitting (do not use taper or top fitting keys).

If you are not fitting a key, position the keyways on the taper bush and hub opposite to each other.

2. Clean and degrease the shaft. Fit hub and taper bush together onto the shaft so that it fits in the desired position.

Tip: The bush will nip the shaft first and then draw the hub slightly on to the bush.

3. Tighten the screws gradually using a hexagon wrench, alternating between them until desired torque setting shown in table below. Hammer the large end of the taper bush using a block or sleeve to avoid damage and ensure the bush is seated squarely in the bore. Screws will turn a little more.

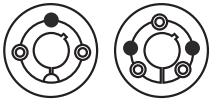
4. Repeat alternate hammering and tightening until the maximum grip, or tightening torque, is achieved.

5. After running the loaded drive for a short while, stop to check screw tightness.

6. Fill any empty holes with grease to prevent dirt build up and corrosion.

Removal:

1. Loosen all screws and remove from bush.



2. Apply a little amount of oil to the screws and insert one grub screw or two cap head screws into the removal holes.

3. Tighten the screws alternately until the assembly slackens in the hub.

   Tip: If the taper bush doesn't loosen, try tapping the hub lightly.

4. Remove the assembled hub and taper bush from the shaft.

Bush size series	Screw tightening torque (Nm))	No of screws	Hex socket size (mm)	Large end diameter (mm)	Bush length (mm)	Approx mass (Kg)
1008	5.6	2	3	35	22.3	0.1
1108	5.6	2	3	38	22.3	0.1
1210	20	2	5	47.5	25.4	0.2
1610	20	2	5	57	25.4	0.3
1615	20	2	5	57	38.1	0.5
2012	30	2	6	70	31.8	0.7
2517	50	2	6	85.5	44.5	1.5
3020	90	2	8	108	50.8	2.7
3030	90	2	8	108	76.2	3.65
3525	115	3	10	127	63.5	3.9
3535	115	3	10	127	89	5.1
4030	170	3	12	146	76.2	5.6
4040	170	3	12	146	102	7.8
4535	190	3	14	162	89	7.6
4545	190	3	14	162	114	10
5040	270	3	14	178	102	11.2
5050	270	3	14	17	127	14

Mecaline Laser Alignment Tool

Rubix part number:887625

Contents

a. 1 - Mecaline laser alignment tool
b. 4 - target magnets
c. 1 - magnetic levelling plate
d. 1 - instruction leaflet
e. 1 - carry case

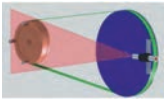
Technical specifications

Laser class:	1M (EN 60825 - 1:2007)
Output power:	5mW/635nm ± 5nm
Measure accuracy:	<0,5mrad parallelism to magnet face
Housing:	nickelled brass
Power sources:	1,5V AA-battery or 1.2V accumulator (not included)

Key features

1. Ready to use out of the box
2. Provides a quick and easy solution to parallel and angular misalignment
3. Suitable for all belt and chain drives
4. Reduces premature failure of drive components - belts and chains
5. Improves drive efficiency

Instructions



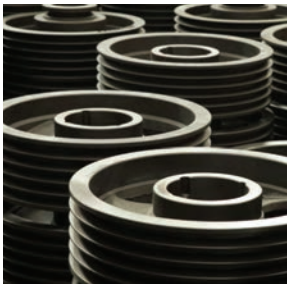
Ensure machine is isolated from the power supply before any work is carried out

To ensure alignment accuracy of drive, position 2-3 target magnets on one of the pulleys, positioning targets at 0°, 90° and 280°.

Attach the Mecaline laser alignment tool on the opposite pulley, (using magnetic plate if required). Please note an allowance must be made when using the metal plate as alignment will offset by 6mm.

Switch on the laser alignment tool and make adjustments on axis (if required) to ensure beam is projecting on the centre of the target magnets.

The Mecaline laser alignment tool will highlight parallel and angular misalignment.



Use your Mecaline v pulleys with Mecaline v belts and taper bushes.

TIMING BELTS

Contents

Mecaline Timing Belts

Mecaline timing belts range include both classical and HTD profile. Manufactured to the highest standard set in industry and comply to ISO and BS standards.

The belt and pulley tooth profile engage giving a clean positive low maintenance drive. Synchronous drives are used in various applications throughout industry and cover food & beverage, process machines, fans and pumps, milling, pulverizers and blowers to various conveyor drives and applications.

Classical Timing Belts (Trapezodial Profile)

- Imperial pitch belts
- Trapezoidal tooth profile
- Chloroprene (CR) rubber
- Sure hardness 73 SHA
- Fibreglass tensile cord
- Compliant to ISO5296 standard
- Offered in XL, L and H pitches with multiple standard industry widths
- Temp range: -20°C/+100°C

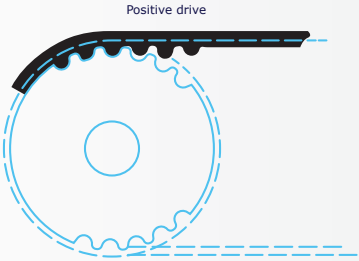
HTD Timing Belts (Curvilinear Profile)

- Metric pitch curvilenear tooth profile
- Chloroprene (CR) rubber
- Sure hardness 80 ± 5SHA
- Fibreglass tensile cord
- Compliant to ISO 13050
- Offered in 5mm, 8mm and 14mm pitches with multiple standard industry widths as illustrated
- Temp range: -20°C/+100°C

Tooth Profile

Trapezoidal

Curvilinear



Belt Identification

3 basic parameters required: length or no. teeth, pitch and width of belts

Classical timing belt: XL, L & H pitch
XL Pitch - 5.08mm (1/5")
L Pitch - 9.525mm (3/8")
H Pitch - 12.7mm (1/2")

Classical Timing Belts

210 L 050

21" long (533.4mm) | L=pitch | 1/2" width (12.77mm)

HTD Timing Belts

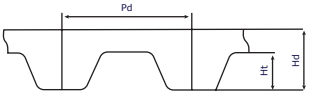
1200-8m-30

1200mm length | 8mm pitch | 30mm wide

	Standard Belt Widths								
Classical timing belts	1/4" (6.35mm)	5/16" (7.94mm)	3/8" (9.52mm)	1/2" (12.7 mm)	3/4" (19.05 mm)	1" (25.4 mm)	1.5" (38.1mm)	2" (50.8 mm)	3" (76.2 mm)
Pitch	025	031	037	050	075	100	150	200	300
XL	•	•	•						
L				•	•	•			
H							•	•	•

HTD profile	Standard Belt Widths (mm)										
Pitch	9	15	20	25	30	40	50	55	85	115	170
5mm	•	•		•							
8mm			•		•		•		•		
14mm						•		•	•	•	•

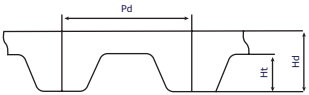
Non-standards widths can also be cut to size upon request.



Pitch	Pitch Length (Pd)	Belt Thickness (Hd)	Tooth Height (Ht)
XL	5.08mm	2.30	1.27
L	9.525mm	3.60	1.91
H	12.7mm	4.30	2.29

XL PITCH (5.08mm)

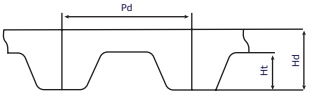
Code	No. teeth	Pitch Length (mm)	Belt Width (Inch) MDM CODES		
			025 (1/4")	031 (5/16")	037 (3/8")
60XL	30	152.40	13734691	13734712	13734733
80XL	40	203.20	13734693	13734714	13734735
84XL	42	213.36	14447216	14447217	14447218
90XL	45	228.60	13734694	13734715	13734736
98XL	49	248.92	14447294	14447295	14447296
100XL	50	254.00	13734695	13734716	13734737
102XL	51	259.08	14446564	14446565	14446566
106XL	53	269.24	14446577	14446578	14446579
110XL	55	279.40	13734696	13734717	13734738
120XL	60	304.80	13734697	13734718	13734739
126XL	63	320.04	14446638	14446639	14446640
130XL	65	330.20	13734698	13734719	13734740
140XL	70	355.60	13734699	13734720	13734741
142XL	71	360.68	13734700	13734721	13734742
150XL	75	381.00	13734701	13734722	13734743
160XL	80	406.40	13734702	13734723	13734744
170XL	85	431.80	13734703	13734724	13734745
180XL	90	457.20	13734704	13734725	13734746
190XL	95	482.60	13734705	13734726	13734747
200XL	100	508.00	13734706	13734727	13734748
210XL	105	533.40	14446781	14446782	14446783
214XL	107	543.56	14446784	14446785	14446786
220XL	110	558.80	13734707	13734728	13734749
230XL	115	584.20	13734708	13734729	13734750
240XL	120	609.60	13734709	13734730	13734751
250XL	125	635.00	13734710	13734731	13734752
260XL	130	660.40	13734711	13734732	13734753
280XL	140	711.20	14446839	14446840	14446841
290XL	145	736.60	14446847	14446848	14446849
310XL	155	787.40	14446865	14446866	14446867
316XL	158	802.64	14446869	14446870	14446871
330XL	165	838.20	14446882	14446883	14446884
340XL	170	863.60	14446896	14446897	14446898
352XL	176	894.08	14446906	14446907	14446908
364XL	182	924.56	14446918	14446919	14446920
600XL	300	1524.00	14447049	14447050	14447051



Pitch	Pitch Length (Pd)	Belt Thickness (Hd)	Tooth Height (Ht)
XL	5.08mm	2.30	1.27
L	9.525mm	3.60	1.91
H	12.7mm	4.30	2.29

L PITCH (9.525 MM)

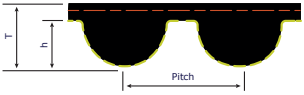
Code	No. teeth	Pitch Length (mm)	Belt Width (Inch) MDM CODES		
			050 (1/2")	075 (3/4")	100 (1")
124L	33	314.33	13734754	13734774	13734794
150L	40	381.00	13734755	13734775	13734795
173L	46	438.15	14446735	14446736	14446737
187L	50	476.25	13734756	13734776	13734796
203L	54	514.35	14446773	14446774	14446775
210L	56	533.40	13734757	13734777	13734797
225L	60	571.50	13734758	13734778	13734798
240L	64	609.60	13734759	13734779	13734799
255L	68	647.70	13734760	13734780	13734800
270L	72	685.80	13734761	13734781	13734801
285L	76	723.90	13734762	13734782	13734802
300L	80	762.00	13734763	13734783	13734803
322L	86	819.15	13734764	13734784	13734804
345L	92	876.30	13734765	13734785	13734805
367L	98	933.45	13734766	13734786	13734806
390L	104	990.60	13734767	13734787	13734807
405L	108	1028.70	14446949	14446950	14446951
420L	112	1066.80	13734768	13734788	13734808
450L	120	1143.00	13734769	13734789	13734809
480L	128	1219.20	13734770	13734790	13734810
510L	136	1295.40	13734771	13734791	13734811
540L	144	1371.60	13734772	13734792	13734812
600L	160	1524.00	13734773	13734793	13734813
660L	176	1676.40	14447114	14447115	14447116
728L	194	1847.85	14447150	14447151	14447152



Pitch	Pitch Length (Pd)	Belt Thickness (Hd)	Tooth Height (Ht)
XL	5.08mm	2.30	1.27
L	9.525mm	3.60	1.91
H	12.7mm	4.30	2.29

H PITCH (12.7MM)

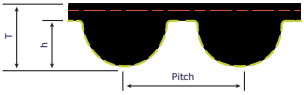
Code	No. teeth	Pitch Length (mm)	Belt Width (Inch) MDM CODES				
			075 (3/4")	100 (1")	150 (1.5")	200 (2")	300 (3")
240H	48	609.60	13734814	13734836	13734858	13734880	13734902
270H	54	685.80	13734815	13734837	13734859	13734881	13734903
300H	60	762.00	13734816	13734838	13734860	13734882	13734904
330H	66	838.20	13734817	13734839	13734861	13734883	13734905
360H	72	914.40	13734818	13734840	13734862	13734884	13734906
390H	78	990.60	13734819	13734841	13734863	13734885	13734907
420H	84	1066.80	13734820	13734842	13734864	13734886	13734908
450H	90	1143.00	13734821	13734843	13734865	13734887	13734909
465H	93	1181.10	14446973	14446974	14446975	14446976	14446977
480H	96	1219.20	13734822	13734844	13734866	13734888	13734910
510H	102	1295.40	13734823	13734845	13734867	13734889	13734911
540H	108	1371.60	13734824	13734846	13734868	13734890	13734912
560H	112	1422.40	14447024	14447025	14447026	14447027	14447028
570H	114	1447.80	13734825	13734847	13734869	13734891	13734913
600H	120	1524.00	13734826	13734848	13734870	13734892	13734914
615H	123	1562.10	14447065	14447066	14447067	14447068	14447069
630H	126	1600.20	14447079	14447080	14447081	14447082	14447083
650H	130	1651.00	14447104	14447105	14447106	14447107	14447108
660H	132	1676.40	13734827	13734849	13734871	13734893	13734915
700H	140	1778.00	14447136	14447137	14447138	14447139	14447140
730H	146	1854.20	14447153	14447154	14447155	14447156	14447157
750H	150	1905.00	13734828	13734850	13734872	13734894	13734916
800H	160	2032.00	13734829	13734851	13734873	13734895	13734917
850H	170	2159.00	13734830	13734852	13734874	13734896	13734918
900H	180	2286.00	13734831	13734853	13734875	13734897	13734919
950H	190	2413.00	14447277	14447278	14447279	14447280	14447281
1000H	200	2540.00	14446550	14446551	14446552	14446553	14446554
1020H	204	2590.80	14446555	14446556	14446557	14446558	14446559
1100H	220	2794.00	13734832	13734854	13734876	13734898	13734920
1250H	250	3175.00	13734833	13734855	13734877	13734899	13734921
1400H	280	3556.00	13734834	13734856	13734878	13734900	13734922
1700H	340	4318.00	13734835	13734857	13734879	13734901	13734923



Pitch	Pitch Length (P)	Belt Thickness (H)	Tooth Height (T)
5M	5.0mm	3.80	2.06
8M	8.0mm	6.00	3.38
14M	14.0mm	10.00	6.02

5M PITCH

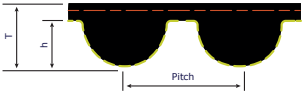
Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES		
			9	15	25
180-5M	36	180	14446745	14446746	14446748
225-5M	45	225	14446797	14446798	14446800
250-5M	50	250	14446809	14446810	14446812
270-5M	54	270	14446825	14446826	14446828
275-5M	55	275	14446829	14446830	14446832
280-5M	56	280	14446835	14446836	14446838
295-5M	59	295	14446850	14446851	14446853
300-5M	60	300	14446854	14446855	14446857
305-5M	61	305	14446863	13734940	13734956
320-5M	64	320	14446872	14446873	14446875
325-5M	65	325	14446876	13734941	13734957
330-5M	66	330	14446878	14446879	14446881
340-5M	68	340	14446892	14446893	14446895
345-5M	69	345	14446899	14446900	14446902
350-5M	70	350	14446904	13734942	13734958
360-5M	72	360	14446914	14446915	14446917
365-5M	73	365	14446921	14446922	14446924
370-5M	74	370	14446925	14446926	14446928
375-5M	75	375	14446929	14446930	14446932
385-5M	77	385	14446939	14446940	14446942
400-5M	80	400	14446943	13734943	13734959
405-5M	81	405	14446945	14446946	14446948
420-5M	84	420	14446952	14446953	14446955
425-5M	85	425	14446961	14446962	14446964
450-5M	90	450	14446966	13734944	13734960
460-5M	92	460	14446969	14446970	14446972
475-5M	95	475	14446978	14446979	14446981
500-5M	100	500	14446983	13734945	13734961
510-5M	102	510	14446985	14446986	14446988
520-5M	104	520	14446989	14446990	14446992
525-5M	105	525	14446998	14446999	14447001
535-5M	107	535	14447002	14447003	14447005
550-5M	110	550	14447011	14447012	14447014
560-5M	112	560	14447015	14447016	14447018
565-5M	113	565	14447029	14447030	14447032
575-5M	115	575	14447033	13734946	13734962
580-5M	116	580	14447040	14447041	14447043
600-5M	120	600	14447044	14447045	14447047
610-5M	122	610	14447057	14447058	14447060
615-5M	123	615	14447061	14447062	14447064



Pitch	Pitch Length (P)	Belt Thickness (H)	Tooth Height (T)
5M	5.0mm	3.80	2.06
8M	8.0mm	6.00	3.38
14M	14.0mm	10.00	6.02

5M PITCH

Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES		
			9	15	25
625-5M	125	625	14447075	14447076	14447078
635-5M	127	635	14447089	14447090	14447092
640-5M	128	640	14447093	13734947	13734963
645-5M	129	645	14447096	14447097	14447099
650-5M	130	650	14447100	14447101	14447103
665-5M	133	665	14447117	14447118	14447120
670-5M	134	670	14447121	14447122	14447124
695-5M	139	695	14447130	14447131	14447133
700-5M	140	700	14447134	13734948	13734964
710-5M	142	710	14447141	14447142	14447144
720-5M	144	720	14447145	14447146	14447148
740-5M	148	740	14447158	14447159	14447161
750-5M	150	750	14447162	14447163	14447165
755-5M	151	755	14447166	14447167	14447169
770-5M	154	770	14447175	14447176	14447178
800-5M	160	800	14447189	13734949	13734965
825-5M	165	825	14447197	14447198	14447200
835-5M	167	835	14447207	14447208	14447210
850-5M	170	850	14447219	14447220	14447222
860-5M	172	860	14447228	14447229	14447231
890-5M	178	890	14447233	13734950	13734966
900-5M	180	900	14447240	14447241	14447243
925-5M	185	925	14447261	14447262	14447264
935-5M	187	935	14447265	14447266	14447268
940-5M	188	940	14447269	14447270	14447272
950-5M	190	950	14447273	14447274	14447276
965-5M	193	965	14447283	14447284	14447286
975-5M	195	975	14447288	14447289	14447291
980-5M	196	980	14447292	13734951	13734967
1000-5M	200	1000	14446541	14446542	14446544
1025-5M	205	1025	14446560	14446561	14446563
1050-5M	210	1050	14446568	14446569	14446571
1100-5M	220	1100	14446591	13734952	13734968
1135-5M	227	1135	14446594	14446595	14446597
1150-5M	230	1150	14446598	14446599	14446601
1175-5M	235	1175	14446607	14446608	14446610
1200-5M	240	1200	14446613	13734953	13734969
1225-5M	245	1225	14446623	14446624	14446626
1270-5M	254	1270	14446641	14446642	14446644
1300-5M	260	1300	14446646	14446647	14446649



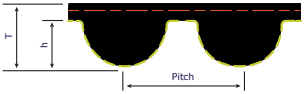
Pitch	Pitch Length (P)	Belt Thickness (H)	Tooth Height (T)
5M	5.0mm	3.80	2.06
8M	8.0mm	6.00	3.38
14M	14.0mm	10.00	6.02

5M PITCH

Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES		
			9	15	25
1350-5M	270	1350	14446660	14446661	14446663
1420-5M	284	1420	14446616	13734954	13734970
1595-5M	319	1595	14446712	13734955	13734971
1690-5M	338	1690	14446721	14446722	14446724
1790-5M	358	1790	14446740	14446741	14446743
1870-5M	374	1870	14446749	14446750	14446752
1895-5M	379	1895	14446754	14446755	14446757
2000-5M	400	2000	14446768	14446769	14446771
2100-5M	420	2100	14446777	14446778	14446780
2525-5M	505	2525	14446813	14446814	14446816

8M PITCH

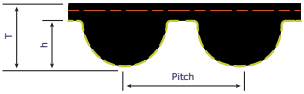
Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES			
			20	30	50	85
288-8M	36	288	14446843	14446844	14446845	14446846
384-8M	48	384	14446934	14446935	14446936	14446937
424-8M	53	424	14446957	14446958	14446959	14446960
480-8M	60	480	13734972	13734991	13735010	13735029
520-8M	65	520	14446994	14446995	14446996	14446997
536-8M	67	536	14447007	14447008	14447009	14447010
560-8M	70	560	14447020	14447021	14447022	14447023
576-8M	72	576	14447036	14447037	14447038	14447039
600-8M	75	600	13734973	13734992	13735011	13735030
608-8M	76	608	14447053	14447054	14447055	14447056
624-8M	78	624	14447071	14447072	14447073	14447074
632-8M	79	632	14447085	14447086	14447087	14447088
640-8M	80	640	13734974	13734993	13735012	13735031
656-8M	82	656	14447110	14447111	14447112	14447113
680-8M	85	680	14447126	14447127	14447128	14447129
720-8M	90	720	13734975	13734994	13735013	13735032
760-8M	95	760	14447171	14447172	14447173	14447174
776-8M	97	776	14447180	14447181	14447182	14447183
784-8M	98	784	14447185	14447186	14447187	14447188
800-8M	100	800	13734976	13734995	13735014	13735033
824-8M	103	824	14447193	14447194	14447195	14447196
840-8M	105	840	14447212	14447213	14447214	14447215
856-8M	107	856	14447224	14447225	14447226	14447227
880-8M	110	880	13734977	13734996	13735015	13735034



Pitch	Pitch Length (P)	Belt Thickness (H)	Tooth Height (T)
5M	5.0mm	3.80	2.06
8M	8.0mm	6.00	3.38
14M	14.0mm	10.00	6.02

8M PITCH

Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES			
			20	30	50	85
896-8M	112	896	14447236	14447237	14447238	14447239
912-8M	114	912	14447245	14447247	14447248	14447249
920-8M	115	920	14447251	14447252	14447253	14447254
960-8M	120	960	13734978	13734997	13735016	13735035
1000-8M	125	1000	14446546	14446547	14446548	14446549
1040-8M	130	1040	13734979	13734998	13735017	13735036
1064-8M	133	1064	14446573	14446574	14446575	14446576
1080-8M	135	1080	14446581	14446582	14446583	14446584
1120-8M	140	1120	13734980	13734999	13735018	13735037
1160-8M	145	1160	14446603	14446604	14446605	14446606
1200-8M	150	1200	13734981	13735000	13735019	13735038
1224-8M	153	1224	14446619	14446620	14446621	14446622
1264-8M	158	1264	14446634	14446635	14446636	14446637
1280-8M	160	1280	13734982	13735001	13735020	13735039
1304-8M	163	1304	14446651	14446652	14446653	14446654
1328-8M	166	1328	14446656	14446657	14446658	14446659
1352-8M	169	1352	14446665	14446666	14446667	14446668
1360-8M	170	1360	14446670	14446671	14446672	14446673
1400-8M	175	1400	14446676	14446677	14446678	14446679
1424-8M	178	1424	14446681	14446682	14446683	14446684
1440-8M	180	1440	13734983	13735002	13735021	13735040
1512-8M	189	1512	14446687	14446688	14446689	14446690
1520-8M	190	1520	14446692	14446693	14446694	14446695
1552-8M	194	1552	14446697	14446698	14446699	14446700
1584-8M	198	1584	14446708	14446709	14446710	14446711
1600-8M	200	1600	13734984	13735003	13735022	13735041
1680-8M	210	1680	14446717	14446718	14446719	14446720
1696-8M	212	1696	14446726	14446727	14446728	14446729
1728-8M	216	1728	14446731	14446732	14446733	14446734
1760-8M	220	1760	13734985	13735004	13735023	13735042
1800-8M	225	1800	13734986	13735005	13735024	13735043
1896-8M	237	1896	14446759	14446760	14446761	14446762
1904-8M	238	1904	14446764	14446765	14446766	14446767
2000-8M	250	2000	13734987	13735006	13735025	13735044
2200-8M	275	2200	14446788	14446789	14446790	14446791
2240-8M	280	2240	14446793	14446794	14446795	14446796
2272-8M	284	2272	14446802	14446803	14446804	14446805
2400-8M	300	2400	13734988	13735007	13735026	13735045



Pitch	Pitch Length (P)	Belt Thickness (H)	Tooth Height (T)
5M	5.0mm	3.80	2.06
8M	8.0mm	6.00	3.38
14M	14.0mm	10.00	6.02

8M PITCH

Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES			
			20	30	50	85
2600-8M	325	2600	13734989	13735008	13735027	13735046
2800-8M	350	2800	13734990	13735009	13735028	13735047
3048-8M	381	3048	14446859	14446860	14446861	14446862
3600-8M	450	3600	14446910	14446911	14446912	14446913

14M PITCH

Code	No. teeth	Pitch Length (mm)	Belt Width (mm) MDM CODES				
			40	55	85	115	170
826-14M	59	826	14447204	14447205	14447206	14447201	14447202
924-14M	66	924	14447258	14447259	14447260	14447255	14447256
966-14M	69	966	13735048	13735064	13735083	13735096	13735112
1092-14M	78	1092	14446588	14446589	14446590	14446585	14446586
1190-14M	85	1190	13735049	13735065	13735080	13735097	13735113
1260-14M	90	1260	14446630	14446631	14446632	14446627	14446628
1400-14M	100	1400	13735050	13735066	13735081	13735098	13735114
1568-14M	112	1568	14446704	14446705	14446706	14446701	14446702
1610-14M	115	1610	13735051	13735067	13735082	13735099	13735115
1778-14M	127	1778	13735052	13735068	13735084	13735100	13735116
1890-14M	135	1890	13735053	13735069	13735085	13735101	13735117
2100-14M	150	2100	13735054	13735070	13735086	13735102	13735118
2310-14M	165	2310	13735055	13735071	13735087	13735103	13735119
2450-14M	175	2450	13735056	13735072	13735088	13735104	13735120
2590-14M	185	2590	13735057	13735073	13735089	13735105	13735121
2660-14M	190	2660	14446822	14446823	14446824	14446819	14446820
2800-14M	200	2800	13735058	13735074	13735090	13735106	13735122
3150-14M	225	3150	13735059	13735075	13735091	13735107	13735123
3360-14M	240	3360	14446888	14446889	14446890	14446885	14446886
3500-14M	250	3500	13735060	13735076	13735092	13735108	13735124
3850-14M	275	3850	13735061	13735077	13735093	13735109	13735125
4326-14M	309	4326	13735062	13735078	13735094	13735110	13735126
4578-14M	327	4578	13735063	13735079	13735095	13735111	13735127

Storage and Care of Timing Belts

Timing belts should be stored in a dry clean area, ambient temperature, away from water or moist and from direct sunlight or UV lighting.

Timing belts should never be crimped or folded as the cord membrane could get damaged and reduce the life expectancy.

Maintenance

All machinery should be switched off and / or isolated before commencing any work on replacement of drive components.

Take care to ensure alignment is at an optimum level.

Associated Products


MECALINE

TIMING PULLEYS

Contents

Mecaline Synchronous Pulleys

Mecaline synchronous pulleys are available in HTD and PC profile. Using high grade C45 steel and cast iron with black phosphate, in pilot bore and taper bush options.

All Mecaline synchronous pulleys are interchangeable with market brands, with HTD and PC pulleys conforming to ISO13050 standard.

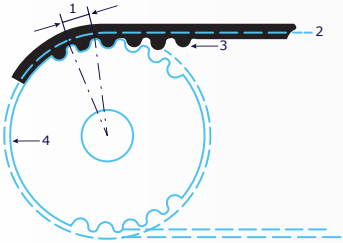
Mecaline synchronous timing pulleys are available as follows:

Belt width on pulleys										
HTD pulley	9mm	15mm	20mm	25mm	30mm	40mm	50mm	55mm	85mm	115mm
5M	•	•		•						
8M			•		•		•		•	
14M						•		•	•	•

Belt width on pulleys								
PC pulley	12mm	20mm	21mm	36mm	37mm	62mm	68mm	90mm
8M	•		•	•		•		
14M		•			•		•	•

In order to determine a specific pulley size, three principal criteria need to be confirmed:

1. No of teeth on pulley
2. Pitch of teeth
3. Belt width on pulley to be fitted



KEY:

1. Pitch distance between teeth centre
2. Belt pitch line (Dp)
3. Belt tooth
4. Outside diameter (De)

HTD Profile

HTD profile has a rounded profile for general power transmission applications. The positive engagement of belt to pulley gives good efficiency!

Available in 5mm, 8mm & 14mm pitch in a full selection of widths.

PC Profile

PC profile has a more full depth profile, allowing better high torque transmission through the belt.

A compact alternative drive when comparing with Chain drives where minimal maintenance is preferred, with maximum efficiency.

Available in 8mm & 14mm pitch in a full selection of widths.

Mecaline timing pulley reference:

HTD timing pulleys:

HTD TB28-14M-40 (2012)

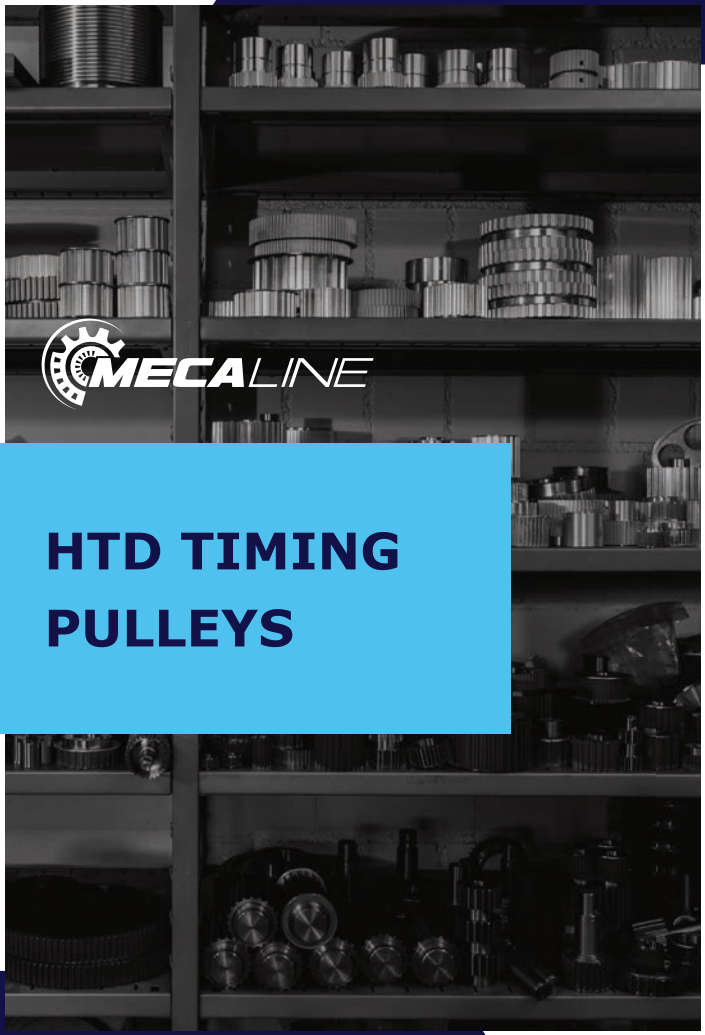
HTD = HTD profile
TB = denotes a taper bore fitting
28 = 28 teeth
14M = 14mm pitch
40 = fits a 40mm wide belt

PC timing pulleys:

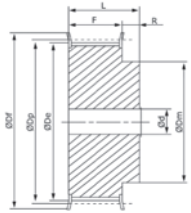
PC8M-40S-36TB

PC = profile
8M = 8mm pitch
40S = 40 teeth
36 = fits a 36mm wide belt

(TB - denotes a Taper bore fitting F - denotes flanges included on pulley)



HTD TIMING PULLEYS



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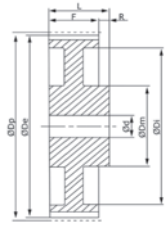
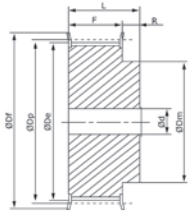


6W

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
12-5M-09F	890095	12	6F	-	19.10	17.96	23	12	-	14.5	-	-	20	0.028
14-5M-09F	890096	14	6F	-	22.28	21.14	25	13	-	14.5	-	-	20	0.038
15-5M-09F	890097	15	6F	-	23.87	22.73	28	16	-	14.5	-	-	20	0.047
16-5M-09F	890099	16	6F	-	25.46	24.32	28	16.2	-	14.5	-	-	20	0.052
18-5M-09F	890100	18	6F	-	28.65	27.51	32	20	-	14.5	-	-	20	0.072
20-5M-09F	890101	20	6F	-	31.83	30.69	36	23	-	14.5	-	-	22.5	0.1
22-5M-09F	890103	22	6F	-	35.01	33.87	39	25.5	-	14.5	-	-	22.5	0.124
24-5M-09F	890104	24	6F	-	38.20	37.06	42	27	-	14.5	-	-	22.5	0.14
26-5M-09F	890105	26	6F	-	41.38	40.24	44	30	-	14.5	-	-	22.5	0.172
28-5M-09F	890106	28	6F	-	44.56	43.42	48	30.5	-	14.5	-	-	22.5	0.198
30-5M-09F	890107	30	6F	-	47.75	46.60	51	35	-	14.5	-	-	22.5	0.25
32-5M-09F	890108	32	6F	8	50.93	49.79	54	38	-	14.5	-	-	22.5	0.266
36-5M-09F	890109	36	6F	8	57.30	56.16	60	38	-	14.5	-	-	22.5	0.32
40-5M-09F	890110	40	6F	8	63.66	62.52	71	38	-	14.5	-	-	22.5	0.389
44-5M-09	890111	44	6W	8	70.03	68.89	-	38	54	14.5	-	-	25.5	0.14
48-5M-09	890112	48	6W	8	76.39	75.25	-	45	61	14.5	-	-	25.5	0.177
60-5M-09	890113	60	6W	8	95.49	94.35	-	45	80	14.5	-	-	25.5	0.233
72-5M-09	890114	72	6W	8	114.59	113.45	-	45	100	14.5	-	-	25.5	0.272

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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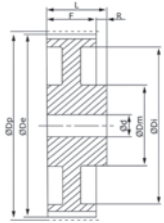

6W

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
12-5M-15F	890128	12	6F	-	19.1	17.96	23	12	-	20.5	-	-	26	0.038
14-5M-15F	890129	14	6F	-	22.28	21.14	25	13	-	20.5	-	-	26	0.052
15-5M-15F	890130	15	6F	-	23.87	22.73	28	16	-	20.5	-	-	26	0.064
16-5M-15F	890131	16	6F	-	25.46	24.32	28	16.2	-	20.5	-	-	26	0.07
18-5M-15F	890132	18	6F	-	28.65	27.51	32	20	-	20.5	-	-	26	0.095
20-5M-15F	890133	20	6F	-	31.83	30.69	36	23	-	20.5	-	-	26	0.15
21-5M-15F	890134	21	6F	-	33.42	32.28	38	24	-	20.5	-	-	26	0.135
22-5M-15F	890135	22	6F	-	35.01	33.87	39	25.5	-	20.5	-	-	26	0.15
24-5M-15F	890136	24	6F	-	38.2	37.06	42	27	-	20.5	-	-	28	0.188
26-5M-15F	890137	26	6F	-	41.38	40.24	44	30	-	20.5	-	-	28	0.223
28-5M-15F	890138	28	6F	-	44.56	43.42	48	30.5	-	20.5	-	-	28	0.259
30-5M-15F	890139	30	6F	-	47.75	46.6	51	35	-	20.5	-	-	28	0.305
32-5M-15F	890140	32	6F	8	50.93	49.79	54	38	-	20.5	-	-	28	0.343
36-5M-15F	890141	36	6F	8	57.3	56.16	60	38	-	20.5	-	-	28	0.419
40-5M-15F	890142	40	6F	8	63.66	62.52	71	38	-	20.5	-	-	28	0.519
44-5M-15	890143	44	6W	8	70.03	68.89	-	38	54	20.5	-	-	30	0.196
48-5M-15	890144	48	6W	8	76.39	75.25	-	45	61	20.5	-	-	30	0.23
56-5M-15	890145	56	6W	8	89.13	87.99	-	45	74	20.5	-	-	30	0.264
60-5M-15	890146	60	6W	8	95.49	94.35	-	45	80	20.5	-	-	30	0.31
72-5M-15	890147	72	6W	8	114.59	113.45	-	45	100	20.5	-	-	30	0.42

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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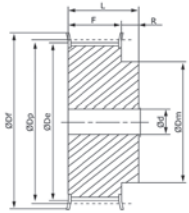

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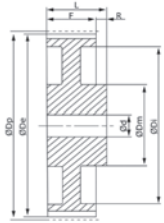
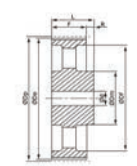


6W

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
12-5M-25F	890148	12	6F	-	19.10	17.96	23	12	-	30.5	-	-	36	0.051
14-5M-25F	890149	14	6F	-	22.28	21.14	25	13	-	30.5	-	-	36	0.072
18-5M-25F	890150	18	6F	-	28.65	27.51	32	20	-	30.5	-	-	36	0.135
20-5M-25F	890151	20	6F	-	31.83	30.69	36	23	-	30.5	-	-	36	0.173
22-5M-25F	890152	22	6F	-	35.01	33.87	39	25.5	-	30.5	-	-	38.5	0.219
24-5M-25F	890153	24	6F	-	38.20	37.06	42	27	-	30.5	-	-	38.5	0.263
26-5M-25F	890154	26	6F	-	41.38	40.24	44	30	-	30.5	-	-	38.5	0.316
28-5M-25F	890155	28	6F	-	44.56	43.42	48	30.5	-	30.5	-	-	38.5	0.364
30-5M-25F	890156	30	6F	-	47.75	46.60	51	35	-	30.5	-	-	38.5	0.431
32-5M-25F	890157	32	6F	8	50.93	49.79	54	38	-	30.5	-	-	38.5	0.5
36-5M-25F	890158	36	6F	8	57.30	56.16	60	38	-	30.5	-	-	38.5	0.6
40-5M-25F	890159	40	6F	8	63.66	62.52	71	38	-	30.5	-	-	38.5	0.741
44-5M-25	890160	44	6W	8	70.03	68.89	-	38	54	30.5	-	-	40.5	0.26
48-5M-25	890161	48	6W	8	76.39	75.25	-	45	61	30.5	-	-	40.5	0.31
60-5M-25	890162	60	6W	8	95.49	94.35	-	45	80	30.5	-	-	40.5	0.4
72-5M-25	890163	72	6W	8	114.59	113.45	-	45	100	30.5	-	-	40.5	0.5

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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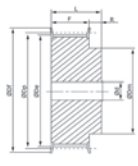

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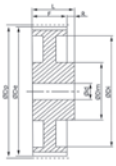

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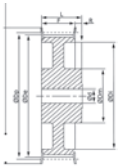
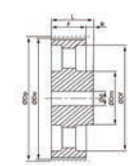


6WF

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
22-8M-20F	890182	22	6F	12	56.02	54.65	60	43	-	28	-	-	38	0.53
24-8M-20F	890183	24	6F	12	61.12	59.75	66	45	-	28	-	-	38	0.642
26-8M-20F	890184	26	6F	12	66.21	64.84	70	48	-	28	-	-	38	0.757
28-8M-20F	890185	28	6F	15	71.30	69.93	75	50	-	28	-	-	38	0.85
30-8M-20F	890186	30	6F	15	76.39	75.02	93	55	-	28	-	-	38	1.009
32-8M-20F	890187	32	6F	15	81.49	80.16	87	60	-	28	-	-	38	1.182
34-8M-20F	890188	34	6F	15	86.58	85.22	91	70	-	28	-	-	38	1.393
36-8M-20F	890189	36	6F	15	91.67	90.30	97	75	-	28	-	-	38	1.582
38-8M-20F	890190	38	6F	15	96.77	95.39	102	75	-	28	-	-	38	1.9
40-8M-20F	890191	40	6F	15	101.86	100.49	106	75	-	28	-	-	38	1.9
44-8M-20F	890192	44	6F	15	112.05	110.67	120	75	-	28	-	-	38	2.26
48-8M-20F	890193	48	6F	15	122.23	120.86	128	75	-	28	-	-	38	2.656
56-8M-20F	890194	56	6WF	15	142.60	141.23	150	80	116	28	-	-	38	2.853
64-8M-20F	890195	64	6WF	15	162.97	161.60	168	80	137	28	-	-	38	3.27
72-8M-20F	890196	72	6WF	15	183.35	181.97	192	80	158	28	-	-	38	3.833
80-8M-20	890197	80	6W	15	203.72	202.35	-	90	180	28	-	-	38	4.155
90-8M-20	890198	90	6A	15	229.18	227.81	-	90	204	28	-	-	38	4.4

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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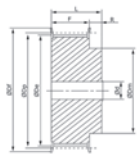

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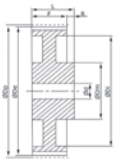
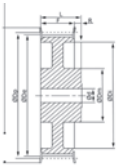


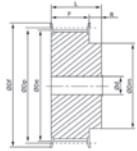
6W



6WF

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
22-8M-30F	890216	22	6F	12	56.02	54.65	60	43	-	38	-	-	48	0.67
24-8M-30F	890217	24	6F	12	61.12	59.75	66	45	-	38	-	-	48	0.822
26-8M-30F	890218	26	6F	12	66.21	64.84	70	48	-	38	-	-	48	0.974
28-8M-30F	890219	28	6F	15	71.30	69.93	75	50	-	38	-	-	48	1.105
30-8M-30F	890220	30	6F	15	76.39	75.02	83	55	-	38	-	-	48	1.308
32-8M-30F	890221	32	6F	15	81.49	80.16	87	60	-	38	-	-	48	1.526
34-8M-30F	890222	34	6F	15	86.58	85.22	91	70	-	38	-	-	48	1.8
36-8M-30F	890223	36	6F	15	91.67	90.30	97	75	-	38	-	-	48	2.02
38-8M-30F	890224	38	6F	15	96.77	95.39	102	75	-	38	-	-	48	2.24
40-8M-30F	890225	40	6F	15	101.86	100.49	106	75	-	38	-	-	48	2.45
44-8M-30F	890226	44	6F	15	112.05	110.67	120	75	-	38	-	-	48	2.955
48-8M-30F	890227	48	6F	15	122.23	120.86	128	75	-	38	-	-	48	3.473
56-8M-30F	890228	56	6WF	15	142.60	141.23	150	90	116	38	-	-	48	4.1
64-8M-30F	890229	64	6WF	15	162.97	161.60	168	90	137	38	-	-	48	4.702
72-8M-30F	890230	72	6WF	15	183.35	181.97	192	95	158	38	-	-	48	5.628
80-8M-30	890231	80	6W	15	203.72	202.35	-	100	180	38	-	-	48	5.902
90-8M-30	890232	90	6A	15	229.18	227.81	-	100	204	38	-	-	48	6.015

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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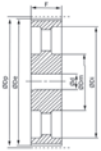

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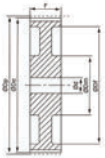

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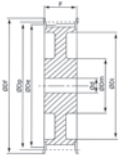
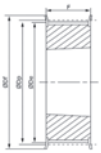


10WF

Part code	R.E. Code	Teeth No.	Type	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
22-8M-50F	890247	22	6F	12	56.02	54.65	60	43	-	60	-	-	70	1.01
24-8M-50F	890248	24	6F	12	61.12	59.75	66	45	-	60	-	-	70	1.223
26-8M-50F	890249	26	6F	15	66.21	64.84	70	48	-	60	-	-	70	1.415
28-8M-50F	890250	28	6F	15	71.30	69.93	75	50	-	60	-	-	70	1.662
30-8M-50F	890251	30	6F	15	76.39	75.02	83	55	-	60	-	-	70	1.957
32-8M-50F	890252	32	6F	15	81.49	80.16	87	60	-	60	-	-	70	2.27
34-8M-50F	890253	34	6F	15	86.58	85.22	91	70	-	60	-	-	70	2.601
36-8M-50F	890254	36	6F	15	91.67	90.30	97	75	-	60	-	-	70	2.95
38-8M-50F	890255	38	6F	15	96.77	95.39	102	75	-	60	-	-	70	3.333
40-8M-50F	890256	40	6F	18	101.86	100.49	106	75	-	60	-	-	70	3.633
44-8M-50F	890257	44	6F	18	112.05	110.67	120	75	-	60	-	-	70	4.417
48-8M-50F	890258	48	6F	18	122.23	120.86	128	75	-	60	-	-	70	5.2
56-8M-50F	890259	56	10WF	18	142.60	141.23	150	80	116	60	-	-	60	5.565
64-8M-50F	890260	64	10WF	18	162.97	161.60	168	80	137	60	-	-	60	6.9
72-8M-50F	890261	72	10WF	18	183.35	181.97	192	80	158	60	-	-	60	7.951
80-8M-50	890262	80	10W	18	203.72	202.35	-	110	180	60	-	-	60	8.849
90-8M-50	890263	90	10A	18	229.18	227.81	-	110	204	60	-	-	60	9.559

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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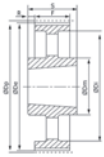

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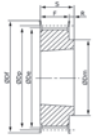
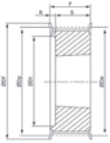


8F

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB34-5M-15F	890117	34	3F	1008	-	54.11	52.97	57	-	-	22	22	-	-	0.192
TB36-5M-15F	890118	36	3F	1108	-	57.30	56.15	60	-	-	22	22	-	-	0.203
TB38-5M-15F	890119	38	3F	1108	-	60.48	59.34	66.5	-	-	22	22	-	-	0.256
TB40-5M-15F	890120	40	3F	1108	-	63.66	62.52	71	-	-	22	22	-	-	0.3
TB44-5M-15F	890121	44	3F	1108	-	70.03	68.89	75	-	-	22	25	-	-	0.413
TB48-5M-15F	890122	48	8F	1210	-	76.39	75.25	83	59	-	22	25	3	-	0.454
TB56-5M-15F	890123	56	8F	1210	-	89.13	87.99	93	70	-	22	25	3	-	0.74
TB64-5M-15F	890124	64	8F	1210	-	101.86	100.72	106	80	-	22	25	3	-	1.091
TB72-5M-15	890125	72	8	1610	-	114.59	113.45	-	92	-	22	25	3	-	1.345
TB80-5M-15	890126	80	8	1610	-	127.32	126.18	-	92	-	22	25	3	-	1.738
TB90-5M-15	890127	90	8	1610	-	143.24	142.10	-	92	-	22	25	3	-	2.33
TB112-5M-15	890115	112	8	2012	-	178.25	177.11	-	110	-	20	32	12	-	3.723
TB136-5M-15	890116	136	7A	2012	-	216.45	215.31	-	110	199	20	32	6	-	3

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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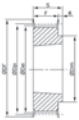

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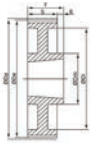

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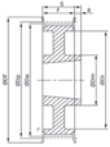

8WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB22-8M-20F	890165	22	5F	1008	-	56.02	54.65	60	-	37	28	22	6	-	0.25
TB24-8M-20F	890166	24	5F	1108	-	61.12	59.75	66	-	44	28	22	6	-	0.3
TB26-8M-20F	890167	26	5F	1108	-	66.21	64.84	70	-	45	28	22	6	-	0.38
TB28-8M-20F	890168	28	5F	1108	-	71.30	69.93	75	-	50	28	22	6	-	0.5
TB30-8M-20F	890169	30	5F	1108	-	76.39	75.02	83	-	58	28	22	6	-	0.6
TB32-8M-20F	890170	32	5F	1610	-	81.49	80.16	87	-	63	28	25	3	-	0.452
TB34-8M-20F	890171	34	5F	1610	-	86.58	85.22	91	-	64	28	25	3	-	0.58
TB36-8M-20F	890172	36	5F	1610	-	91.67	90.30	97	-	68	28	25	3	-	0.725
TB38-8M-20F	890173	38	5F	1610	-	96.77	95.39	102	-	72	28	25	3	-	0.872
TB40-8M-20F	890174	40	5F	1610	-	101.86	100.49	106	-	76	28	25	3	-	1.01
TB44-8M-20F	890175	44	8F	2012	-	112.05	110.67	120	93	-	28	32	4	-	1.3
TB48-8M-20F	890176	48	8F	2012	-	122.23	120.86	128	96	-	28	32	4	-	1.67
TB56-8M-20F	890177	56	8F	2012	-	142.60	141.23	150	110	-	28	32	4	-	2.65
TB64-8M-20F	890178	64	8WF	2012	-	162.97	161.60	168	110	137	28	32	4	-	2.95
TB72-8M-20F	890179	72	8WF	2012	-	183.35	181.97	192	110	158	28	32	4	-	3.45
TB80-8M-20	890180	80	8W	2012	-	203.72	202.35	-	110	180	28	32	4	-	3.58
TB90-8M-20	890181	90	8A	2012	-	229.18	227.81	-	110	204	28	32	4	-	3.9

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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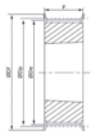

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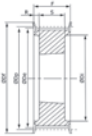

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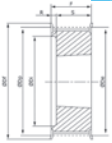

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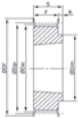

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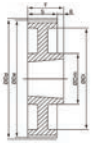
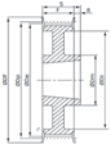


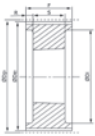
8W



8WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB22-8M-30F	890199	22	5F	1008	-	56.02	54.65	60	-	37	38	22	16	-	0.318
TB24-8M-30F	890200	24	5F	1108	-	61.12	59.75	66	-	44	38	22	16	-	0.363
TB26-8M-30F	890201	26	5F	1108	-	66.21	64.84	70	-	44	38	22	16	-	0.497
TB28-8M-30F	890202	28	5F	1210	-	71.30	69.93	75	-	50	38	25	13	-	0.485
TB30-8M-30F	890203	30	3F	1615	-	76.39	75.02	83	-	-	38	38	-	-	0.484
TB32-8M-30F	890204	32	3F	1615	-	81.49	80.16	87	-	-	38	38	-	-	0.65
TB34-8M-30F	890205	34	3F	1615	-	86.58	85.22	91	-	-	38	38	-	-	0.85
TB36-8M-30F	890206	36	3F	1615	-	91.67	90.30	97	-	-	38	38	-	-	1.05
TB38-8M-30F	890207	38	3F	1615	-	96.77	95.39	102	-	-	38	38	-	-	1.243
TB40-8M-30F	890208	40	3F	1615	-	101.86	100.49	106	-	-	38	38	-	-	1.47
TB44-8M-30F	890209	44	4F	2012	-	112.05	110.67	120	-	86	38	32	3	-	1.49
TB48-8M-30F	890210	48	4F	2012	-	122.23	120.86	128	-	90	38	32	3	-	2
TB56-8M-30F	890211	56	4F	2012	-	142.60	141.23	150	-	110	38	32	3	-	3.07
TB64-8M-30F	890212	64	8F	2517	-	162.97	161.60	168	125	-	38	45	7	-	4.552
TB72-8M-30F	890213	72	8WF	2517	-	183.35	181.97	192	125	158	38	45	7	-	4.689
TB80-8M-30	890214	80	8W	2517	-	203.72	202.35	-	125	180	38	45	7	-	5.02
TB90-8M-30	890215	90	8A	2517	-	229.18	227.81	-	125	204	38	45	7	-	5.552

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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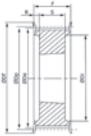

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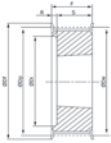

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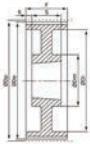

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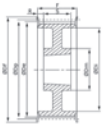
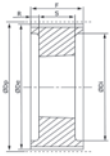


9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB28-8M-50F	890233	28	4F	1210	-	71.30	69.93	75	-	50	60	25	17.5	-	0.722
TB30-8M-50F	890234	30	5F	1615	-	76.39	75.02	83	-	58	60	38	22	-	0.708
TB32-8M-50F	890235	32	5F	1615	-	81.49	80.16	87	-	62	60	38	22	-	0.906
TB34-8M-50F	890236	34	5F	1615	-	86.58	85.22	91	-	65	60	38	22	-	1.136
TB36-8M-50F	890237	36	5F	1615	-	91.67	90.30	97	-	68	60	38	22	-	1.408
TB38-8M-50F	890238	38	5F	1615	-	96.77	95.39	102	-	72	60	38	22	-	1.65
TB40-8M-50F	890239	40	4F	2012	-	101.86	100.49	106	-	82	60	32	14	-	1.34
TB44-8M-50F	890240	44	4F	2012	-	112.05	110.67	120	-	91	60	32	14	-	1.85
TB48-8M-50F	890241	48	4F	2012	-	122.23	120.86	128	-	95	60	32	14	-	2.568
TB56-8M-50F	890242	56	4F	2517	-	142.60	141.23	150	-	116	60	45	7.5	-	3.7
TB64-8M-50F	890243	64	4F	2517	-	162.97	161.60	168	-	137	60	45	7.5	-	5.4
TB72-8M-50F	890244	72	9WF	2517	-	183.35	181.97	192	125	158	60	45	7.5	-	5.986
TB80-8M-50	890245	80	4	3020	-	203.72	202.35	-	-	180	60	51	4.5	-	8.471
TB90-8M-50	890246	90	9W	3020	-	229.18	227.81	-	170	204	60	51	4.5	-	9.432

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron



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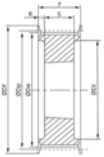

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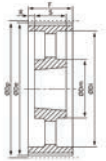

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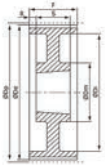

9W

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB34-8M-85F	890265	34	4F	1615	-	86.58	85.22	91	-	65	95	38	28.5	-	1.639
TB36-8M-85F	890266	36	4F	1615	-	91.67	90.30	97	-	68	95	38	28.5	-	2.008
TB38-8M-85F	890267	38	4F	1615	-	96.77	95.39	102	-	72	95	38	28.5	-	2.333
TB40-8M-85F	890268	40	4F	2012	-	101.86	100.49	106	-	82	95	32	31.5	-	1.912
TB48-8M-85F	890269	48	4F	2517	-	122.23	120.86	128	-	100	95	45	25	-	2.9
TB56-8M-85F	890270	56	4F	2517	-	142.60	141.23	150	-	117	95	45	25	-	2.224
TB64-8M-85F	890271	64	4F	2517	-	162.97	161.60	168	-	137	95	45	25	-	6.748
TB72-8M-85F	890272	72	4F	3020	-	183.35	181.97	192	-	158	95	51	22	-	8.323
TB80-8M-85	890273	80	4	3020	-	203.72	202.35	-	-	180	95	51	22	-	9.81
TB90-8M-85	890274	90	9W	3020	-	229.18	227.81	-	170	204	95	51	22	-	11.168
TB112-8M-85	890264	112	9W	3020	-	285.21	283.83	-	170	260	95	51	22	-	15.2
TB144-8M-85	890275	144	9A	3525	-	366.69	365.32	-	198	336	95	65	15	-	24.457
TB168-8M-85	890276	168	9A	3525	-	427.81	426.44	-	198	395	95	65	15	-	29.33
TB192-8M-85	890277	192	9A	3525	-	488.92	487.55	-	198	455	95	65	15	-	34

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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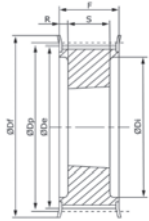

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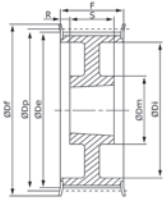

9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB28-14M-40F	890279	28	4F	2012	-	124.78	122.12	128	-	94	54	32	11	-	2.312
TB30-14M-40F	890280	30	4F	2012	-	133.69	130.99	138	-	98	54	32	11	-	2.917
TB32-14M-40F	890281	32	4F	2012	-	142.60	139.88	154	-	108	54	32	11	-	3.472
TB34-14M-40F	890282	34	4F	2517	-	151.52	148.79	160	-	110	54	45	4.5	-	4.16
TB36-14M-40F	890283	36	4F	2517	-	160.43	157.68	168	-	120	54	45	4.5	-	4.55
TB38-14M-40F	890284	38	4F	2517	-	169.34	166.60	183	-	130	54	45	4.5	-	5.74
TB40-14M-40F	890285	40	4F	2517	-	178.25	175.49	188	-	138	54	45	4.5	-	6.53
TB44-14M-40F	890286	44	4F	3020	-	196.08	193.28	211	-	155	54	51	1.5	-	7.75
TB48-14M-40F	890287	48	4F	3020	-	213.90	211.11	226	-	170	54	51	1.5	-	10
TB64-14M-40F	890288	64	9WF	3020	-	285.21	282.41	296	170	240	54	51	1.5	-	14.266

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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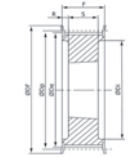

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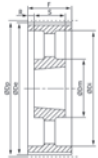

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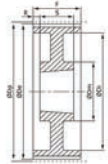

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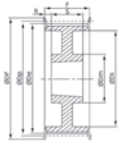

9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB28-14M-55F	890289	28	4F	2012	-	124.78	122.12	128	-	94	70	32	19	-	2.538
TB30-14M-55F	890290	30	4F	2517	-	133.69	130.99	138	-	100	70	45	12.5	-	3.151
TB32-14M-55F	890291	32	4F	2517	-	142.60	139.88	154	-	108	70	45	12.5	-	3.7
TB34-14M-55F	890292	34	4F	2517	-	151.52	148.79	160	-	110	70	45	12.5	-	4.904
TB36-14M-55F	890293	36	4F	2517	-	160.43	157.68	168	-	120	70	45	12.5	-	5.641
TB38-14M-55F	890294	38	4F	2517	-	169.34	166.60	183	-	130	70	45	12.5	-	6.2
TB40-14M-55F	890295	40	4F	2517	-	178.25	175.49	188	-	138	70	45	12.5	-	7.05
TB44-14M-55F	890296	44	4F	3020	-	196.08	193.28	211	-	155	70	51	9.5	-	8.55
TB48-14M-55F	890297	48	4F	3020	-	213.90	211.11	226	-	170	70	51	9.5	-	10.75
TB56-14M-55F	890298	56	9WF	3020	-	249.55	246.76	256	170	208	70	51	9.5	-	13.629
TB64-14M-55F	890299	64	9WF	3020	-	285.21	282.41	296	170	240	70	51	9.5	-	15.823
TB72-14M-55	890300	72	9W	3020	-	320.86	318.06	-	170	280	70	51	9.5	-	18.252
TB80-14M-55	890301	80	9A	3020	-	356.51	353.71	-	170	315	70	51	9.5	-	20.35
TB90-14M-55	890302	90	9A	3020	-	401.07	398.28	-	170	360	70	51	9.5	-	22.525

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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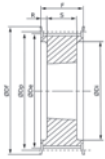

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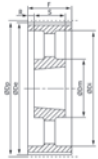

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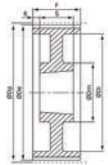
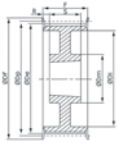


9W



9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB28-14M-85F	890303	28	4F	2517	-	124.78	122.12	128	-	98	120	45	28.5	-	2.98
TB30-14M-85F	890304	30	4F	2517	-	133.69	130.99	138	-	100	120	45	28.5	-	4.175
TB32-14M-85F	890305	32	4F	2517	-	142.60	139.88	154	-	108	120	45	28.5	-	5.103
TB34-14M-85F	890306	34	4F	2517	-	151.52	148.79	160	-	110	120	45	28.5	-	6.425
TB36-14M-85F	890307	36	4F	3020	-	160.43	157.68	168	-	120	120	51	25.5	-	6
TB38-14M-85F	890308	38	4F	3020	-	169.34	166.60	183	-	130	120	51	25.5	-	6.9
TB40-14M-85F	890309	40	4F	3020	-	178.25	175.49	188	-	138	120	51	25.5	-	8.4
TB44-14M-85F	890310	44	4F	3020	-	196.08	193.28	211	-	153	120	51	25.5	-	11.085
TB48-14M-85F	890311	48	4F	3020	-	213.90	211.11	226	-	170	120	51	25.5	-	13.55
TB56-14M-85F	890312	56	4F	3525	-	249.55	246.76	256	-	210	120	65	18.5	-	19.92
TB64-14M-85F	890313	64	9WF	3525	-	285.21	282.41	296	190	240	120	65	18.5	-	21.166
TB72-14M-85	890314	72	9W	3525	-	320.86	318.06	-	190	280	120	65	18.5	-	26
TB80-14M-85	890315	80	9A	3525	-	356.51	353.71	-	190	315	120	65	18.5	-	27.3
TB90-14M-85	890316	90	9A	3525	-	401.07	398.28	-	190	360	120	65	18.5	-	29.65

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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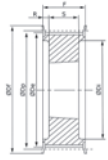

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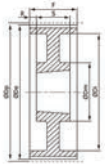
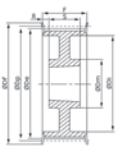


9W



9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	d	Dp	De	Df	Dm	Di	F	S	R	L	Weight
TB28-14M-115F	890317	28	4F	2517	-	124.78	122.12	128	-	98	133	45	44	-	3.55
TB30-14M-115F	890318	30	4F	2517	-	133.69	130.99	138	-	100	133	45	44	-	5.226
TB32-14M-115F	890319	32	4F	2517	-	142.60	139.88	154	-	108	133	45	44	-	5.95
TB34-14M-115F	890320	34	4F	2517	-	151.52	148.79	160	-	110	133	45	44	-	7.909
TB36-14M-115F	890321	36	4F	3020	-	160.43	157.68	168	-	125	133	51	41	-	6.9
TB38-14M-115F	890322	38	4F	3020	-	169.34	166.60	183	-	130	133	51	41	-	9.01
TB40-14M-115F	890323	40	4F	3020	-	178.25	175.49	188	-	138	133	51	41	-	10.054
TB44-14M-115F	890324	44	4F	3030	-	196.08	193.28	211	-	155	133	76	28.5	-	14.945
TB48-14M-115F	890325	48	4F	3030	-	213.90	211.11	226	-	170	133	76	28.5	-	18.937
TB56-14M-115F	890326	56	4F	3535	-	249.55	246.76	256	-	208	133	89	22	-	27.139
TB64-14M-115F	890327	64	9WF	3535	-	285.21	282.41	296	190	240	133	89	22	-	27.95
TB72-14M-115	890328	72	9W	3535	-	320.86	318.06	-	190	280	133	89	22	-	31.39

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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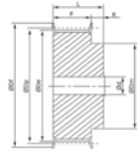
PC TIMING PULLEYS



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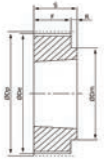

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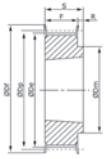

8F

Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC8M-22S-12F	887772	22	6F	P.Bore 12mm	56.02	54.42	60	43	-	20	30	10	0.417
PC8M-25S-12TBF	887773	25	8F	1108	63.66	62.06	70	49	-	20	22	2	0.27
PC8M-28S-12TBF	887774	28	8F	1108	71.3	69.7	75	56	-	20	22	2	0.39
PC8M-30S-12TBF	887775	30	8F	1210	76.39	74.79	83	60	-	20	25	5	0.42
PC8M-32S-12TBF	888392	32	8F	1610	81.49	79.89	87	66	-	20	25	5	0.38
PC8M-34S-12TBF	887776	34	8F	1610	86.58	84.98	91	68	-	20	25	5	0.48
PC8M-36S-12TBF	887777	36	8F	1610	91.67	90.07	97	74	-	20	25	5	0.61
PC8M-38S-12TBF	887778	38	8F	1610	96.77	95.17	102	80	-	20	25	5	0.75
PC8M-40S-12TBF	888393	40	8F	1610	101.86	100.26	106	85	-	20	25	5	0.89
PC8M-45S-12TBF	887779	45	8F	2012	114.59	112.99	120	92	-	20	32	12	1.19
PC8M-48S-12TBF	887780	48	8F	2012	122.23	120.63	128	100	-	20	32	12	1.52
PC8M-50S-12TBF	887781	50	8F	2012	127.32	125.72	135	104	-	20	32	12	1.74
PC8M-56S-12TBF	888394	56	8F	2012	142.6	141	150	104	-	20	32	12	2.23
PC8M-60S-12TBF	887782	60	8F	2012	152.79	151.19	158	111	-	20	32	12	2.68
PC8M-64S-12TBF	887783	64	8F	2012	229.18	161.37	168	111	-	20	32	12	3.07
PC8M-75S-12TB	887784	75	8	2012	190.99	189.39	-	111	-	20	32	12	3.93
PC8M-80S-12TB	887785	80	8	2012	203.72	202.12	-	111	-	20	32	12	4.49
PC8M-90S-12TB	887786	90	8	2012	229.18	227.58	-	111	-	20	32	12	5.72

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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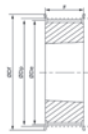
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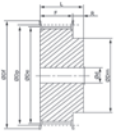
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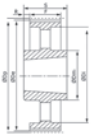
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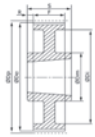
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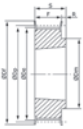
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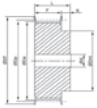
Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC8M-22S-21F	888395	22	6F	P.Bore 12mm	56.02	54.42	60	43	-	30	40	10	0.564
PC8M-25S-21TBF	887787	25	3F	1108	63.66	62.06	70	-	-	30	-	-	0.38
PC8M-28S-21TBF	888396	28	3F	1210	71.3	69.7	75	-	-	30	-	-	0.4
PC8M-30S-21TBF	887788	30	3F	1210	76.39	74.79	83	-	-	30	-	-	0.54
PC8M-32S-21TBF	888397	32	3F	1610	81.49	79.89	87	-	-	30	-	-	0.5
PC8M-34S-21TBF	887789	34	3F	1610	86.58	84.98	91	-	-	30	-	-	0.64
PC8M-36S-21TBF	887790	36	3F	1610	91.67	90.07	97	-	-	30	-	-	0.8
PC8M-38S-21TBF	887791	38	3F	1610	96.77	95.17	102	-	-	30	-	-	0.96
PC8M-40S-21TBF	888398	40	3F	1610	101.86	100.26	106	-	-	30	-	-	1.14
PC8M-45S-21TBF	887792	45	8F	2012	114.59	112.99	120	92	-	30	32	-	1.38
PC8M-48S-21TBF	887793	48	8F	2012	122.23	120.63	128	100	-	30	32	-	1.72
PC8M-50S-21TBF	888399	50	8F	2012	127.32	125.72	135	104	-	30	32	-	1.97
PC8M-56S-21TBF	887794	56	8F	2012	142.6	141	150	111	-	30	32	-	2.72
PC8M-60S-21TBF	887795	60	8F	2517	152.79	151.19	158	124	-	30	45	-	3.52
PC8M-64S-21TBF	887796	64	8F	2517	162.97	161.37	168	124	-	30	45	-	4.1
PC8M-75S-21TB	887797	75	8	2517	190.99	189.39	-	124	-	30	45	-	5.44
PC8M-80S-21TB	888400	80	8	2517	203.72	202.12	-	124	-	30	45	-	6.28
PC8M-90S-21TB	887798	90	7W	2517	229.18	227.58	-	124	198	30	45	7.5	5.38
PC8M-112S-21TB	887799	112	7W	2517	285.21	283.61	-	150	324	30	45	7.5	7.38
PC8M-140S-21TB	887800	140	7A	3020	356.51	354.91	-	124	253	30	51	10.5	9.33

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron


3F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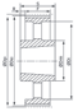
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Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC8M-25S-36F	887801	25	6F	P.Bore 12mm	63.66	62.06	70	49	-	45	55	10	1.054
PC8M-28S-36TBF	887802	28	3F	1210	71.3	69.7	75	-	-	45	-	-	0.62
PC8M-30S-36TBF	887803	30	3F	1610	76.39	74.79	83	-	-	45	-	-	1.92
PC8M-32S-36TBF	887804	32	3F	1610	81.89	79.89	87	-	-	45	-	-	2.23
PC8M-34S-36TBF	888401	34	3F	1610	86.58	84.98	91	-	-	45	-	-	2.56
PC8M-36S-36TBF	888402	36	3F	1610	91.67	90.07	97	-	-	45	-	-	2.91
PC8M-38S-36TBF	887805	38	3F	1610	96.77	95.17	102	-	-	45	-	-	3.28
PC8M-40S-36TBF	887806	40	3F	2012	101.86	100.26	106	-	-	45	-	-	1.3
PC8M-45S-36TBF	887807	45	3F	2012	114.59	112.99	120	-	-	45	-	-	2.02
PC8M-48S-36TBF	887808	48	3F	2012	122.23	120.63	128	-	-	45	-	-	2.49
PC8M-50S-36TBF	887809	50	3F	2012	127.32	125.72	135	-	-	45	-	-	2.85
PC8M-56S-36TBF	888403	56	3F	2517	142.6	141	150	-	-	45	-	-	3.28
PC8M-60S-36TBF	887810	60	3F	2517	152.79	151.19	158	-	-	45	-	-	4.06
PC8M-64S-36TBF	888404	64	3F	2517	162.97	161.37	168	-	-	45	-		4.95
PC8M-75S-36TB	888405	75	8	3020	190.99	189.39	-	150	-	45	51	6	6.39
PC8M-80S-36TB	887811	80	8	3020	203.72	202.12	-	150	-	45	51	6	7.65
PC8M-90S-36TB	888406	90	7W	3020	229.18	227.58	-	150	197	45	51	3	7.79
PC8M-112S-36TB	887812	112	7W	3020	285.21	283.61	-	150	253	45	51	3	11.01
PC8M-140S-36TB	887813	140	7A	3020	356.51	354.91	-	150	324	45	51	3	10.79
PC8M-168S-36TB	887814	168	7A	3525	427.81	426.21	-	198	396	45	65	10	18.91
PC8M-192S-36TB	887815	192	7A	3525	488.92	487.32	-	198	457	45	65	10	21.1

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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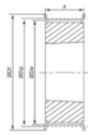
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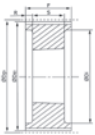
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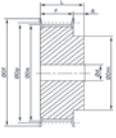
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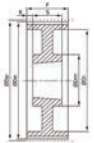
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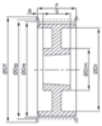
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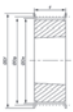
Part code	R.E. Code	Teeth No.	Type	Bush nº	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC8M-30S-62F	888407	30	6F	P.Bore 15mm	76.39	74.79	83	62	-	72	84	12	1.92
PC8M-32S-62F	888408	32	6F	P.Bore 15mm	81.49	79.89	87	65	-	72	84	12	2.23
PC8M-34S-62F	887816	34	6F	P.Bore 15mm	86.58	84.98	91	70	-	72	84	12	2.56
PC8M-36S-62F	887817	36	6F	P.Bore 15mm	91.67	90.07	97	75	-	72	84	12	2.91
PC8M-38S-62F	887818	38	6F	P.Bore 15mm	96.77	95.17	102	75	-	72	84	12	3.28
PC8M-40S-62TBF	888409	40	3F	2012	101.86	100.26	106	-	-	72	-	-	2.17
PC8M-45S-62TBF	887819	45	3F	2012	114.59	112.99	120	-	-	72	-	-	3.32
PC8M-48S-62TBF	888410	48	3F	2517	122.23	120.63	128	-	-	72	-	-	3.05
PC8M-50S-62TBF	888411	50	3F	2517	127.32	125.72	135	-	-	72	-	-	3.61
PC8M-56S-62TBF	887820	56	9WF	2517	142.6	141	150	-	111	72	45	13.5	4.3
PC8M-60S-62TBF	887821	60	9WF	2517	152.79	151.19	158	-	121	72	45	13.5	5.17
PC8M-64S-62TBF	888412	64	9WF	2517	162.97	161.37	168	-	131	72	45	13.5	6.17
PC8M-75S-62TB	887822	75	4	3020	190.99	189.39	-	-	159	72	51	10.5	7.83
PC8M-80S-62TB	887823	80	4	3020	203.72	202.12	-	-	172	72	51	10.5	9.33
PC8M-90S-62TB	887824	90	4	3020	229.18	227.58	-	-	197	72	51	10.5	12.65
PC8M-112S-62TB	888413	112	9W	3020	285.21	283.61	-	150	253	72	51	10.5	13.12
PC8M-140S-62TB	887825	140	9W	3525	356.51	354.91	-	198	324	72	65	3.5	25.81
PC8M-168S-62TB	887826	168	9A	3525	427.81	426.21	-	198	396	72	65	3.5	26.07
PC8M-192S-62TB	887827	192	9A	3525	488.92	487.32	-	198	457	72	65	3.5	29.38

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron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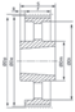
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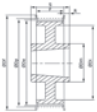
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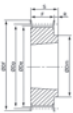
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Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC14M-28S-20TBF	887828	28	3F	2012	124.78	121.98	128	-	-	33	-	-	1.72
PC14M-30S-20TBF	887829	30	3F	2012	133.69	130.89	138	-	-	33	-	-	2.15
PC14M-32S-20TBF	887830	32	3F	2012	142.6	139.8	154	-	-	33	-	-	2.68
PC14M-34S-20TBF	887831	34	8F	2517	151.52	148.72	160	117	-	33	45	12	3.2
PC14M-36S-20TBF	887832	36	8F	2517	160.43	157.53	168	117	-	33	45	12	3.7
PC14M-38S-20TBF	887833	38	8F	2517	169.34	166.54	183	117	-	33	45	12	4.34
PC14M-40S-20TBF	888414	40	8F	2517	178.25	175.45	188	117	-	33	45	12	4.88
PC14M-44S-20TBF	888415	44	8F	3020	196.08	193.28	211	144	-	33	51	18	6.01
PC14M-48S-20TBF	887834	48	8F	3020	213.9	211.11	226	144	-	33	51	18	7.39
PC14M-50S-20TBF	887835	50	8F	3020	222.82	220.02	240	144	-	33	51	18	7.7
PC14M-56S-20TBF	887836	56	7WF	3020	249.55	246.76	256	144	207	33	51	9	7.32
PC14M-60S-20TB	887837	60	7W	3020	267.38	264.76	-	159	224	33	51	9	8.91
PC14M-64S-20TB	887838	64	7W	3020	285.21	264.58	-	159	242	33	51	9	9.73
PC14M-72S-20TB	887839	72	7W	3020	320.86	282.41	-	159	278	33	51	9	11.52
PC14M-80S-20TB	887840	80	7W	3020	356.51	318.06	-	159	314	33	51	9	13.49
PC14M-90S-20TB	887841	90	7A	3020	401.07	353.71	-	159	360	33	51	9	10.81
PC14M-112S-20TB	887842	112	7A	3020	499.11	496.31	-	159	456	33	51	9	14.29
PC14M-140S-20TB	887843	140	7A	3020	623.89	621.09	-	159	581	33	51	9	19.07

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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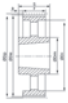

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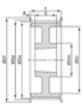

9WF

Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC14M-28S-37TBF	888416	28	5F2	2012	124.78	121.98	128	-	88	51	32	19	2.19
PC14M-30S-37TBF	888417	30	4F	2517	133.69	130.89	138	-	98	51	45	3	2.45
PC14M-32S-37TBF	888418	32	4F	2517	142.6	139.8	154	-	100	51	45	3	3.22
PC14M-34S-37TBF	887844	34	4F	2517	151.52	148.72	160	-	109	51	45	3	11.6
PC14M-36S-37TBF	888419	36	5F2	2517	160.43	157.53	168	-	117	51	45	6	12.89
PC14M-38S-37TBF	887845	38	5F2	2517	169.34	166.54	183	-	126	51	45	6	14.71
PC14M-40S-37TBF	887846	40	5F2	2517	178.25	175.45	188	-	135	51	45	6	16.67
PC14M-44S-37TBF	888420	44	3F	3020	196.08	193.28	211	-	-	51	-	-	7.43
PC14M-48S-37TBF	887847	48	3F	3020	213.9	211.11	226	-	-	51	-	-	9.58
PC14M-50S-37TBF	887848	50	3F	3020	222.82	220.02	240	-	-	51	-	-	10.14
PC14M-56S-37TBF	887849	56	9WF	3020	249.55	246.76	256	144	207	51	51	-	9.34
PC14M-60S-37TB	887850	60	9W	3020	267.38	264.58	-	159	224	51	51	-	11.15
PC14M-64S-37TB	887851	64	9W	3020	285.21	282.41	-	159	242	51	51	-	12.33
PC14M-72S-37TB	887852	72	9W	3020	320.86	318.06	-	159	278	51	51	-	14.86
PC14M-80S-37TB	887853	80	9W	3020	356.51	353.71	-	159	314	51	51	-	17.65
PC14M-90S-37TB	887854	90	9A	3020	401.07	398.27	-	159	360	51	51	-	14.59
PC14M-112S-37TB	887855	112	9A	3020	499.11	496.31	-	159	456	51	51	-	18.58
PC14M-140S-37TB	888421	140	7A	3525	623.89	621.09	-	206	581	51	65	7	28.72
PC14M-168S-37TB	887856	168	7A	3525	748.66	745.87	-	206	706	51	65	7	40.22
PC14M-192S-37TB	887857	192	7A	4030	855.61	852.82	-	215	812	51	76	12.5	47.58

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
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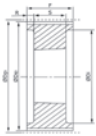

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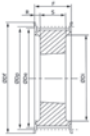

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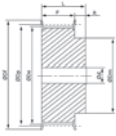

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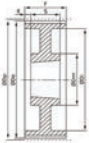
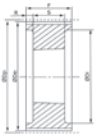


9W

Part code		R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC14M-34S-68F		887858	34	6F	P.Bore 32mm	151.52	148.72	160	131	-	84	104	20	11.6
PC14M-36S-68F		887859	36	6F	P.Bore 32mm	160.43	157.53	168	131	-	84	104	20	16.7
PC14M-38S-68F		887860	38	6F	P.Bore 32mm	169.34	166.54	183	141	-	84	104	20	19.06
PC14M-40S-68F		887861	40	6F	P.Bore 32mm	178.25	175.45	188	155	-	84	104	20	21.69
PC14M-44S-68TBF		887862	44	4F	3020	196.08	193.28	211	-	153	84	51	16.5	26.55
PC14M-48S-68TBF		887863	48	5F2	3020	213.9	211.11	226	-	171	84	51	33	11.86
PC14M-50S-68TBF		888422	50	4F	3525	222.82	220.02	240	-	180	84	65	9.5	12.59
PC14M-56S-68TBF		887864	56	4F	3525	249.55	246.76	256	-	207	84	65	9.5	17.14
PC14M-60S-68TB		887865	60	4	3525	267.38	264.58	-	-	224	84	65	9.5	20.35
PC14M-64S-68TB		888423	64	4	3525	285.21	282.41	-	-	242	84	65	9.5	23.99
PC14M-72S-68TB		887866	72	9W	3525	320.86	318.06	-	178	278	84	65	9.5	19.38
PC14M-80S-68TB		887867	80	9W	3525	356.51	353.71	-	178	314	84	65	9.5	23.16
PC14M-90S-68TB		888424	90	9A	3525	401.07	398.27	-	178	360	84	65	9.5	24.21
PC14M-112S-68TB		887868	112	9A	3525	499.11	496.31	-	178	456	84	65	9.5	30.87
PC14M-140S-68TB		887869	140	9A	3525	623.89	621.09	-	206	581	84	65	9.5	40.63
PC14M-168S-68TB		887870	168	9A	3525	748.66	745.87	-	206	706	84	65	9.5	52.79
PC14M-192S-68TB		887871	192	9A	4030	855.61	852.82	-	215	812	84	76	4	62.6

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange

= Steel = Aluminium = Cast Iron



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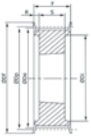

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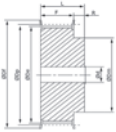
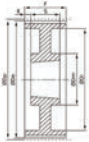


6F

9A



9W

Part code	R.E. Code	Teeth No.	Type	Bush n°	Dp	De	Df	Dm	Di	F	S (L)	R	Weight
PC14M-36S-90F	887872	36	6F	P.Bore 32mm	160.43	157.53	168	131	-	106	136	30	16.7
PC14M-38S-90F	887873	38	6F	P.Bore 32mm	169.34	166.54	183	141	-	106	136	30	19.06
PC14M-40S-90F	887874	40	6F	P.Bore 32mm	178.25	175.45	188	155	-	106	136	30	21.69
PC14M-44S-90F	887875	44	6F	P.Bore 32mm	196.08	193.28	211	167	-	106	136	30	26.55
PC14M-48S-90TBF	887876	48	4F	3525	213.9	211.11	226	-	171	106	66	20	13.43
PC14M-50S-90TBF	887877	50	4F	3525	222.82	220.02	240	-	180	106	66	20	14.18
PC14M-56S-90TBF	887878	56	4F	3525	249.55	246.76	256	-	207	106	66	20	18.99
PC14M-60S-90TB	887879	60	4	3525	267.38	264.58	-	-	224	106	66	20	22.42
PC14M-64S-90TB	887880	64	4	3525	285.21	282.41	-	-	242	106	66	20	26.25
PC14M-72S-90TB	887881	72	9W	3525	320.86	318.06	-	178	278	106	66	20	23.29
PC14M-80S-90TB	888425	80	9W	4030	356.51	353.71	-	215	314	106	76	15	30.61
PC14M-90S-90TB	888426	90	9W	4030	401.07	398.27	-	215	360	106	76	15	35.74
PC14M-112S-90TB	887882	112	9A	4535	499.11	496.31	-	215	456	106	90	8	43.09
PC14M-140S-90TB	887883	140	9A	4535	623.89	621.09	-	215	581	106	90	8	51.59
PC14M-168S-90TB	887884	168	9A	5040	748.66	745.87	-	267	708	106	102	2	80.43
PC14M-192S-90TB	887885	192	9A	5040	855.61	852.82	-	267	812	106	102	2	91.38

Dp = Diameter pitch **De =** Outside diameter **Df =** Outside diameter inc. flange
= Steel = Aluminium = Cast Iron


MECALINE

Installation, fitting, and removal of taper bushes to pulleys and sprockets

Before you begin any maintenance work, check the machine is switched off and machine components are secured in a locked position to prevent unexpected movement and potential injury to you or others.

Prior to any installation, ensure all components are wiped down and cleaned from any dirt, residue or oil. Confirm that the pulleys are undamaged checking pulley is right size for the application required.

Installation and fitting:

1. Insert the Mecaline taper bush into the hub so that the connecting bores are all lined up ensuring grub screw holes all line up. Then, loosely place screws in the threaded holes.

Tip: A small amount of oil should be applied in the thread and under the cap screw heads.

To fit a key, place it in the shaft keyway before fitting the taper bush. Ensure that the key has top clearance, is parallel and has side fitting (do not use taper or top fitting keys).

If you are not fitting a key, position the keyways on the taper bush and hub opposite to each other.

2. Clean and degrease the shaft. Fit hub and taper bush together onto the shaft so that it fits in the desired position.

Tip: The bush will nip the shaft first and then draw the hub slightly on to the bush.

3. Tighten the screws gradually using a hexagon wrench, alternating between them until desired torque setting shown in table below. Hammer the large end of the taper bush using a block or sleeve to avoid damage and ensure the bush is seated squarely in the bore. Screws will turn a little more.

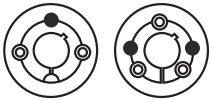
4. Repeat alternate hammering and tightening until the maximum grip, or tightening torque, is achieved.

5. After running the loaded drive for a short while, stop to check screw tightness.

6. Fill any empty holes with grease to prevent dirt build up and corrosion.

Removal:

1. Loosen all screws and remove from bush.



2. Apply a little amount of oil to the screws and insert one grub screw or two cap head screws into the removal holes.

3. Tighten the screws alternately until the assembly slackens in the hub.

   Tip: If the taper bush doesn't loosen, try tapping the hub lightly.

4. Remove the assembled hub and taper bush from the shaft.

Bush size series	Screw tightening torque (Nm))	No of screws	Hex socket size (mm)	Large end diameter (mm)	Bush length (mm)	Approx mass (Kg)
1008	5.6	2	3	35	22.3	0.1
1108	5.6	2	3	38	22.3	0.1
1210	20	2	5	47.5	25.4	0.2
1610	20	2	5	57	25.4	0.3
1615	20	2	5	57	38.1	0.5
2012	30	2	6	70	31.8	0.7
2517	50	2	6	85.5	44.5	1.5
3020	90	2	8	108	50.8	2.7
3030	90	2	8	108	76.2	3.65
3525	115	3	10	127	63.5	3.9
3535	115	3	10	127	89	5.1
4030	170	3	12	146	76.2	5.6
4040	170	3	12	146	102	7.8
4535	190	3	14	162	89	7.6
4545	190	3	14	162	114	10
5040	270	3	14	178	102	11.2
5050	270	3	14	17	127	14

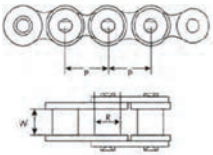
Chains, Sprockets and Platewheels

Contents

Mecaline Chains

Mecaline chains are made to meet the highest specification and confirm to (DIN 8187-ISO606) standard. Made from carbon or stainless steel. Available in BS (British Standard) and ANSI (American Standard).

The chains are designed to provide high levels of performance across a wide range of industrial applications with heat treated components to ensure high durability. With added advantage of chains being pre stretched to further increase chains usable service life.



Chain is determined by:

- Its pitch (P)
- The width between the inner plates (W)
- The roller diameter
- The number of strands (simplex, duplex, triplex etc.)
- Its ISO NORM e.g. British or American Standard (BS or ASA)

ISO no.	Pitch mm (P)	Pitch inches (P)	Inside width (W)	Roller diameter (R)
06B	9.52 mm	3/8"	5.72	6.35
08B	12.70 mm	1/2"	7.75	8.51
10B	15.87 mm	5/8"	9.65	10.16
12B	19.05 mm	3/4"	11.68	12.07
16B	25.40 mm	1"	17.02	15.88
20B	31.75 mm	1" 1/4	19.56	19.05
24B	38.10 mm	1" 1/2	25.40	25.40
32B	50.80 mm	2"	30.99	29.21

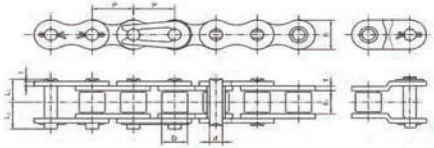
ISO no.	Average breaking load
06B-1	10.5 kN
08B-1	20.5 kN
10B-1	27.5 kN
12B-1	32.5 kN
16B-1	71 kN
20B-1	107 kN
08B-2	37 kN
10B-2	53.8 kN
12B-2	65.3 kN
16B-2	128.3 kN

Conn link type

Simplex	Type of pin	Duplex	Type of pin	Triplex	Type of pin
04B1	Circlip type	-	-	-	-
05B1	Circlip type	-	-	-	-
06B1	Circlip type	06B2	Circlip type	06B3	Circlip type
08B1	Circlip type	08B2	Circlip type	08B3	Circlip type
10B1	Circlip type	10B2	Circlip type	10B3	Circlip type
12B1	Circlip type	12B2	Circlip type	12B3	Circlip type
16B1	Circlip type	16B2	Circlip type	16B3	Circlip type
20B1	Cotter pin	20B2	Cotter pin	20B3	Cotter pin
24B1	Cotter pin	24B2	Cotter pin	24B3	Cotter pin
28B1	Cotter pin	28B2	Cotter pin	28B3	Cotter pin
32B1	Cotter pin	32B2	Cotter pin	32B3	Cotter pin

Chains

Dimensions



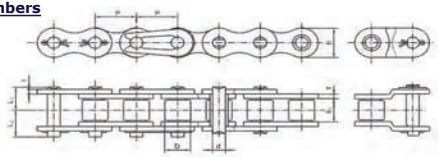
	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
04B1	6x2.8mm	6.00	2.80	4.00	1.85	4.00	-	5.00	0.60	3.00	3.18	0.12
05B1	8x3mm	8.00	3.00	5.00	2.31	3.90	4.80	7.10	0.75	4.40	4.66	0.39
06B1	3/8"	9.525	5.72	6.35	3.28	6.27	7.23	8.20	1.0/1.27	8.90	9.43	0.39
08B1	1/2"	12.70	7.75	8.51	4.45	8.50	9.90	11.80	1.65	17.80	18.87	0.75
10B1	5/8"	15.87	9.65	10.16	5.08	9.60	10.90	14.60	1.65	22.20	23.53	0.95
12B1	3/4"	19.05	11.68	12.07	5.72	11.00	12.40	16.00	1.80	28.90	30.63	1.22
16B1	1"	25.40	17.02	15.88	8.28	17.65	19.05	20.90	3.2/4	28.90	63.60	2.80
20B1	1 1/4"	31.75	19.56	19.05	10.19	20.20	23.80	26.00	3.6/4.5	95.00	100.70	3.90
24B1	1 1/2"	38.10	25.40	25.40	14.63	26.65	31.05	33.00	5/6	160.00	169.60	7.13
28B1	1 3/4"	44.45	30.95	27.94	15.90	32.55	36.45	37.00	7.0/6.0	200.00	212.00	9.36
32B1	2"	50.80	30.99	29.21	17.81	32.80	37.20	42.30	8.5/8.0	250.00	265.00	9.94

Links

Conn links		
		RE code
04B1	MDJ.04B1	883744
05B1	MDJ.05B1	883747
06B1	MDJ.06B1	856161
08B1	MDJ.08B1	856162
10B1	MCJ.10B1	856163
12B1	MDJ.12B1	856164
16B1	MDJ.16B1	856165
20B1	MDJ.20B1	856166
24B1	MDJ.24B1	875349
28B1	MDJ.28B1	883786
32B1	MDJ.32B1	883795

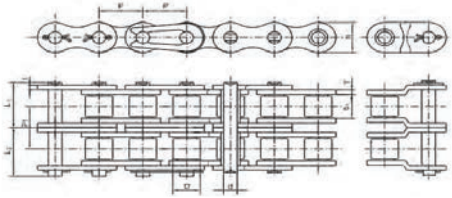
Offset links		
		RE code
04B1	MCS.04B1	883743
05B1	MCS.05B1	883746
06B1	MCS.06B1	856173
08B1	MCS.08B1	856174
10B1	MCS.10B1	856175
12B1	MCS.12B1	856176
16B1	MCS.16B1	856177
20B1	MCS.20B1	856178
24B1	MCS.24B1	875355
28B1	MCS.28B1	883785
32B1	MCS.32B1	883794

Chain part numbers



	Code for 1mtr (supplied as 5mtr boxes)		Code for 25mtr rolls		Code for 50mtr rolls	
	Description	RE code	Description	RE code	Description	RE code
04B1	CHAIN PITCH 6 SINGLE - MTR	886827	-	-	-	-
05B1	CHAIN PITCH 8 SINGLE - MTR	886826	-	-	-	-
06B1	CHAIN PITCH 9,52 SINGLE - MTR	886778	-	-	CHAIN PITCH 9,52 SIMPLE - 50 METRES REEL	884962
08B1	CHAIN PITCH 12,7 SINGLE - MTR	886779	-	-	CHAIN PITCH 12,7 SINGLE - 50 METRES	856157
10B1	CHAIN PITCH 15,87 SINGLE - MTR	886780	-	-	CHAIN PITCH 15,87 SINGLE - 50 METRES	856158
12B1	CHAIN PITCH 19,05 SINGLE - MTR	886781	-	-	CHAIN PITCH 19,05 SIMPLE - 50 METRES REEL	884966
16B1	CHAIN PITCH 25,4 SINGLE - MTR	886782	CHAIN PITCH 25,4 SIMPLE - 25 METERS REEL	891938	-	-
	Code for 1mtr (supplied as 2.5mtr boxes)		Code for 25mtr rolls		Code for 50mtr rolls	
	Description	RE code	Description	RE code	Description	RE code
20B1	CHAIN PITCH 31,75 SINGLE - MTR	886783	CHAIN PITCH 31,75 SIMPLE - 25 METERS REEL	891096	-	-
24B1	CHAIN PITCH 38,10 SINGLE - MTR	886788	-	-	-	-
28B1	CHAIN PITCH 44,45 SINGLE - MTR	886815	-	-	-	-
32B1	CHAIN PITCH 50,88 SINGLE - MTR	886812	-	-	-	-

Dimensions



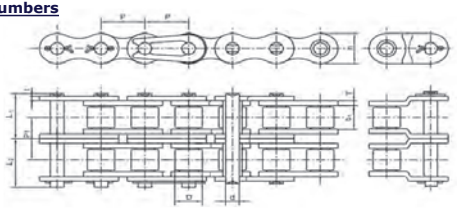
	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
06B2	3/8"	9.525	5.72	6.35	3.28	11.40	12.40	8.20	1.0/1.27	16.90	17.91	0.74
08B2	1/2"	12.70	7.75	8.51	4.45	15.50	16.90	11.80	1.65	31.10	32.97	1.47
10B2	5/8"	15.87	9.65	10.16	5.08	17.90	19.30	14.60	1.65	44.50	47.17	1.88
12B2	3/4"	19.05	11.68	12.07	5.72	20.75	22.15	16.00	1.80	57.80	61.27	2.42
16B2	1"	25.40	17.02	15.88	8.28	33.60	35.00	20.90	3.2/4	106.00	112.36	5.51
20B2	1 1/4"	31.75	19.56	19.05	10.19	38.45	42.05	26.40	4.50	170.00	180.20	7.70
24B2	1 1/2"	38.10	25.40	25.40	14.63	50.85	55.25	33.40	6	280.00	296.80	14.10
28B2	1 3/4"	44.45	30.99	27.94	15.90	62.35	66.15	37.00	7.6	360.00	381.60	18.52
32B2	2"	50.80	30.99	29.21	17.81	62.05	66.45	42.30	7.10	450.00	477.00	19.60

Links

Conn links		
		RE code
06B2	MDJ.06B2	875354
08B2	MDJ.08B2	856168
10B2	MDJ.10B2	856169
12B2	MDJ.12B2	856170
16B2	MDJ.16B2	856171
20B2	MDJ.20B2	883774
24B2	MDJ.24B2	883780
28B2	MDJ.28B2	883789
32B2	MDJ.32B2	883798

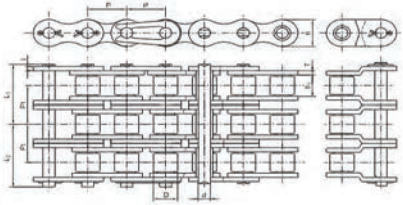
Offset links		
		RE code
06B2	MCS.06B2	875360
08B2	MCS.08B2	856180
10B2	MCS.10B2	856181
12B2	MCS.12B2	856182
16B2	MCS.16B2	856183
20B2	MCS.20B2	883773
24B2	MCS.24B2	883779
28B2	MCS.28B2	883788
32B2	MCS.32B2	883797

Chain part numbers



	Code for 1mtr (supplied as 5mtr boxes)		Code for 25mtr rolls		Code for 50mtr rolls	
	Description	RE code	Description	RE code	Description	RE code
06B2	CHAIN PITCH 9,52 DOUBLE - MTR	886789	-	-	CHAIN PITCH 9,52 DOUBLE - 50 METERS REEL	884963
08B2	CHAIN PITCH 12,7 DOUBLE - MTR	886784	-	-	CHAIN PITCH 12,7 DOUBLE - 50 METERS REEL	884964
10B2	CHAIN PITCH 15,87 DOUBLE - MTR	886785	-	-	CHAIN PITCH 15,87 DOUBLE - 50 METERS REEL	884965
12B2	CHAIN PITCH 19,05 DOUBLE - MTR	886786	-	-	CHAIN PITCH 19,05 DOUBLE - 50 METERS REEL	884967
16B2	CHAIN PITCH 25,4 DOUBLE - MTR	886787	CHAIN PITCH 25,4 DOUBLE - 25 METERS REEL	891095	-	-
	Code for 1mtr (supplied as 2.5mtr boxes)		**Code for 25mtr rolls**		**Code for 50mtr rolls**	
	Description	**RE code**	**Description**	**RE code**	**Description**	**RE code**
20B2	CHAIN PITCH 31,71 DOUBLE - MTR	886819	-	-	-	-
24B2	CHAIN PITCH 38,1 DOUBLE - MTR	886817	-	-	-	-
28B2	CHAIN PITCH 44,45 DOUBLE - MTR	886814	-	-	-	-
32B2	CHAIN PITCH 50,88 DOUBLE - MTR	886811	-	-	-	-

Dimensions



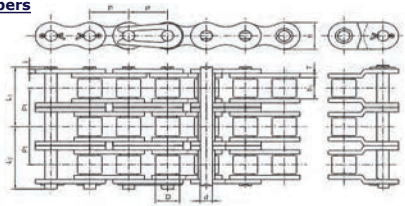
	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
06B3	3/8"	9.525	5.72	6.35	3.28	16.50	17.50	8.20	1.0/1.27	24.90	26.39	1.10
08B3	1/2"	12.70	7.75	8.51	4.45	22.45	23.85	11.80	1.65	44.50	47.17	2.20
10B3	5/8"	15.87	9.65	10.16	5.08	26.20	27.60	14.60	1.65	66.70	70.70	2.81
12B3	3/4"	19.05	11.68	12.07	5.72	30.50	31.90	16.00	1.80	86.70	91.90	3.61
16B3	1"	25.40	17.02	15.88	8.28	49.55	50.95	20.90	3.2/4	160.00	169.60	8.28
20B3	1 1/4"	31.75	19.56	19.05	10.19	56.65	60.25	26.40	4.50	250.00	265.00	15.12
24B3	1 1/2"	38.10	25.40	25.40	14.63	75.05	79.45	33.40	6	425.00	450.50	20.79
28B3	1 3/4"	44.45	30.99	27.94	15.90	92.15	96.05	37.00	7.6	530.00	561.80	27.70
32B3	2"	50.80	30.99	29.21	17.81	91.33	95.75	42.30	7.10	670.00	710.20	29.26

Links

Conn links		
		RE code
06B3	MDJ.06B3	875398
08B3	MDJ.08B3	875399
10B3	MDJ.10B3	875400
12B3	MDJ.12B3	875401
16B3	MDJ.16B3	875402
20B3	MDJ.20B3	883777
24B3	MDJ.24B3	883783
28B3	MDJ.28B3	883792
32B3	MDJ.32B3	883801

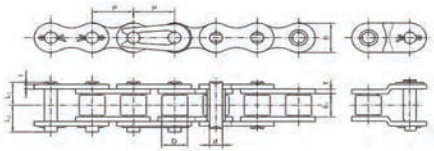
Offset links		
		RE code
06B3	MCS.06B3	875416
08B3	MCS.08B3	875417
10B3	MCS.10B3	875418
12B3	MCS.12B3	875419
16B3	MCS.16B3	875420
20B3	MCS.20B3	883776
24B3	MCS.24B3	883782
28B3	MCS.28B3	883791
32B3	MCS.32B3	883800

Chain part numbers



	Code for 1mtr (supplied as 5mtr boxes)	
	Description	**RE code**
06B3	CHAIN PITCH 9,52 TRIPLE - MTR	886790
08B3	CHAIN PITCH 12,70 TRIPLE - MTR	886791
10B3	CHAIN PITCH 15,87 TRIPLE - MTR	886792
12B3	CHAIN PITCH 19,05 TRIPLE - MTR	886793
16B3	CHAIN PITCH 25,40 TRIPLE - MTR	886794
	Code for 1mtr (supplied as 2.5mtr boxes)	
	Description	**RE code**
20B3	CHAIN PITCH 31,71 TRIPLE - MTR	886818
24B3	CHAIN PITCH 38,1 TRIPLE - MTR	886816
28B3	CHAIN PITCH 44,45 TRIPLE - MTR	886813
32B3	CHAIN PITCH 50,88 TRIPLE - MTR	886810

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
05B1	8 x 3mm	8.000	3.00	5.00	2.31	3.90	4.80	7.10	0.80	5.00	6.00	0.19
06B1	3/8"	9.53	5.72	6.35	3.28	6.27	7.23	8.20	1.0/1.27	8.90	10.50	0.38
08B1	1/2"	12.70	7.75	8.51	4.45	8.50	9.90	11.80	1.65	17.80	20.50	0.74
10B1	5/8"	15.88	9.65	10.16	5.08	9.60	10.90	14.60	1.65	22.20	27.50	0.95
12B1	3/4"	19.05	11.68	12.07	5.72	11.00	12.40	16.00	1.80	28.90	32.50	1.23
16B1	1"	25.40	17.02	15.88	8.28	17.65	19.05	20.90	3.24	60.00	71.00	2.77

Links

Conn links		
		RE code
05B1	MDJ.05B1SS	883804
06B1	MDJ.06B1SS	875404
08B1	MDJ.08B1SS	875405
10B1	MDJ.10B1SS	875406
12B1	MDJ.12B1SS	875407
16B1	MDJ.16B1SS	875408

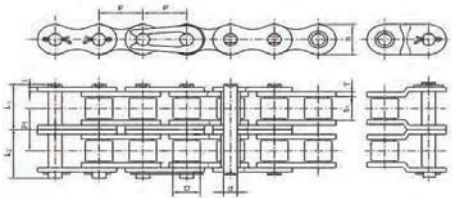
Offset links		
		RE code
05B1	MCS.05B1SS	883803
06B1	MCS.06B1SS	875368
08B1	MCS.08B1SS	875369
10B1	MCS.10B1SS	875370
12B1	MCS.12B1SS	875371
16B1	MCS.16B1SS	875372

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
	Description	RE code
05B1	CHAIN PITCH 8 SINGLE - MTR STAINLESS STEEL	886809
06B1	CHAIN PITCH 9,52 SINGLE - MTR STAINLESS STEEL	886795
08B1	CHAIN PITCH 12,70 SINGLE - MTR STAINLESS STEEL	886796
10B1	CHAIN PITCH 15,87 SINGLE - MTR STAINLESS STEEL	886797
12B1	CHAIN PITCH 19,05 SINGLE - MTR STAINLESS STEEL	886798
16B1	CHAIN PITCH 25,40 SINGLE - MTR STAINLESS STEEL	886799

BS STAINLESS STEEL CHAIN - DUPLEX

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
06B2	3/8"	9.525	5.72	6.35	3.28	11.40	12.40	8.20	1.0/1.27	10.24	16.90	0.74
08B2	1/2"	12.70	7.75	8.51	4.45	15.50	16.90	11.80	1.65	13.92	31.10	1.47
10B2	5/8"	15.87	9.65	10.16	5.08	17.90	19.30	14.60	1.65	16.59	44.50	1.88
12B2	3/4"	19.05	11.68	12.07	5.72	20.75	22.15	16.00	1.80	19.46	57.80	2.42
16B2	1"	25.40	17.02	15.88	8.28	33.60	35.00	20.90	3.2/4	31.88	106.00	5.51

Links

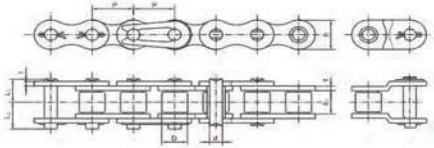
Conn links		
		RE code
06B2	MDJ.06B2SS	883807
08B2	MDJ.08B2SS	883810
10B2	MDJ.10B2SS	883813
12B2	MDJ.12B2SS	883816
16B2	MDJ.16B2SS	883819

Offset links		
		RE code
06B2	MCS.06B2SS	883806
08B2	MCS.08B2SS	883809
10B2	MCS.10B2SS	883812
12B2	MCS.12B2SS	883815
16B2	MCS.16B2SS	883818

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
	Description	RE code
06B2	CHAIN PITCH 9,52 DOUBLE - MTR STAINLESS STEEL	886808
08B2	CHAIN PITCH 12,7 DOUBLE - MTR STAINLESS STEEL	886807
10B2	CHAIN PITCH 15,87 DOUBLE - MTR STAINLESS STEEL	886806
12B2	CHAIN PITCH 19,05 DOUBLE - MTR STAINLESS STEEL	886805
16B2	CHAIN PITCH 25,4 DOUBLE - MTR STAINLESS STEEL	886804

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
Ansi chain no.	ISO chain	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
35/1	06A1	9.525	4.77	5.08	3.58	4.77	-	8.70	1.30	7.80	9.36	0.35
40/1	08A1	12.70	7.85	7.92	3.96	8.30	-	12.00	1.52	13.80	18.00	0.66
50/1	10A1	15.87	9.40	10.16	5.08	10.25	-	15.05	2.00	21.80	31.00	1.05
60/1	12A1	19.05	12.57	11.91	5.94	12.65	-	18.00	2.40	31.10	42.00	1.56
80/1	16A1	25.40	15.75	15.88	7.92	16.20	-	23.50	3.20	55.60	70.20	2.67

Links

Conn links		
Ansi chain no.		RE code
35/1	MDJ.06A1	883750
40/1	MDJ.08A1	875350
50/1	MDJ.10A1	875351
60/1	MDJ.12A1	875352
80/1	MDJ.16A1	875353

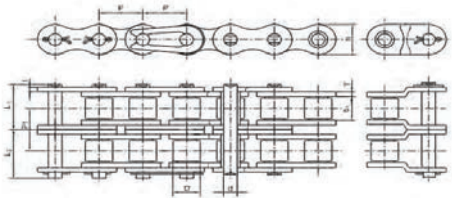
Offset links		
Ansi chain no.		RE code
35/1	MCS.06A1	883749
40/1	MCS.08A1	875356
50/1	MCS.10A1	875357
60/1	MCS.12A1	875358
80/1	MCS.16A1	875359

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
Ansi chain no.	Description	RE code
35/1	CHAIN PITCH 9,52 SINGLE ASA 35/1 - MTR	886825
40/1	CHAIN PITCH 12,70 SINGLE ASA 40/1 - MTR	886800
50/1	CHAIN PITCH 15,87 SINGLE ASA 50/1 - MTR	886801
60/1	CHAIN PITCH 19,05 SINGLE ASA 60/1 - MTR	886802
80/1	CHAIN PITCH 25,40 SINGLE ASA 80/1 - MTR	886803

ANSI CHAIN - DUPLEX

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
Ansi chain no.	ISO chain	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
35/2	06A2	9.525	4.77	5.08	3.58	-	-	8.70	1.30	-	-	-
40/2	08A2	12.70	7.85	7.92	3.96	15.50	16.70	12.00	1.52	27.60	34.50	1.30
50/2	10A2	15.87	9.40	10.16	5.08	19.30	20.70	15.00	2.00	43.60	59.50	2.08
60/2	12A2	19.05	12.57	11.91	5.94	24.05	25.95	18.00	2.40	62.30	80.60	3.09
80/2	16A2	25.40	15.75	15.88	7.92	30.75	33.15	23.50	3.20	111.20	134.80	5.29

Links

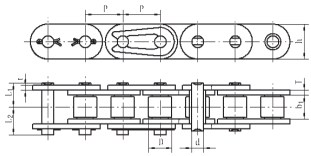
Conn links		
Ansi chain no.		RE code
35/2	MDJ.06A2	883753
40/2	MDJ.08A2	883762
50/2	MDJ.10A2	883765
60/2	MDJ.12A2	883768
80/2	MDJ.16A2	883771

Offset links		
Ansi chain no.		RE code
35/2	MCS.06A2	883752
40/2	MCS.08A2	883761
50/2	MCS.10A2	883764
60/2	MCS.12A2	883767
80/2	MCS.16A2	883770

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
Ansi chain no.	Description	RE code
35/2	CHAIN PITCH 9,52 SINGLE ASA 35/2 - MTR	886824
40/2	CHAIN PITCH 12,7 SINGLE ASA 40/2 - MTR	886823
50/2	CHAIN PITCH 15,87 SINGLE E ASA 50/2 - MTR	886822
60/2	CHAIN PITCH 19,05 SINGLE E ASA 60/2 - MTR	886821
80/2	CHAIN PITCH 25,4 SINGLE ASA 80/2 - MTR	886820

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
ISO no.	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
C08B-1	1/2"	12.700	7.75	8.51	4.45	8.50	9.90	12.20	1.65	17.80	20.50	0.85
C10B-1	5/8"	15.87	9.65	10.16	5.08	9.60	10.90	14.60	1.65	22.20	27.50	1.05
C12B-1	3/4"	19.05	11.68	12.07	5.72	11.00	12.40	16.00	1.80	28.90	32.50	1.31
C16B-1	1"	25.40	17.02	15.88	8.28	17.65	19.05	20.90	3.2/4	60.00	71.00	3.02
C16B-/24	1"	25.40	17.02	15.88	8.28	17.65	19.05	24.00	4.15/3.1	60.00	72.80	3.49
C20B-1	1 1/4"	31.75	19.56	19.05	10.19	20.20	23.80	26.00	3.6/4.5	95.00	107.00	4.11

Links

Conn links		
ISO no.		RE code
C08B-1	MDJ.C08B1SPL	884357
C10B-1	MDJ.C10B1SPL	884363
C12B-1	MDJ.C12B1SPL	884369
C16B-1	MDJ.C16B1-21-SPL	884378
C16B-/24	MDJ.C16B1-24-SPL	884381
C20B-1	MDJ.C20B1SPL	884390

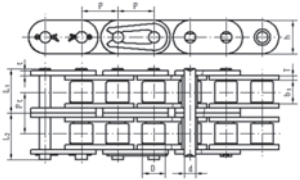
Offset links		
ISO no.		RE code
C08B-1	MCS.C08B1SPL	884358
C10B-1	MCS.C10B1SPL	884364
C12B-1	MCS.C12B1SPL	884370
C16B-1	MCS.C16B1-21-SPL	884379
C16B-/24	MCS.C16B1-24-SPL	-
C20B-1	MCS.C20B1SPL	884391

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
ISO no.	Description	RE code
C08B-1	STRAIGHT PLATE CHAIN 12,7 S - MTR	886831
C10B-1	STRAIGHT PLATE CHAIN 15,87 S - MTR	886833
C12B-1	STRAIGHT PLATE CHAIN 19,05 S - MTR	886835
C16B-1	STRAIGHT PLATE CHAIN 25,4 S - MTR - INNER PLATE 21	886838
C16B-/24	STRAIGHT PLATE CHAIN 25,4 S- MTR - INNER PLATE 24	886839
C20B-1	STRAIGHT PLATE CHAIN 31,75 S - MTR	886842

STRAIGHT SIDE PLATE CHAIN - DUPLEX

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
ISO no.	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
C08B-2	1/2"	12.700	7.75	8.51	4.45	15.50	16.90	12.20	1.65	31.10	37.00	1.68
C10B-2	5/8"	15.87	9.65	10.16	5.08	17.90	19.30	14.60	1.65	44.50	53.80	2.08
C12B-2	3/4"	19.05	11.68	12.07	5.72	20.75	22.15	16.00	1.80	57.80	65.30	2.59
C16B-2	1"	25.40	17.02	15.88	8.28	33.60	35.00	20.90	3.2/4	106.00	128.30	5.97
C20B-2	1 1/4"	31.75	19.56	19.05	10.19	38.45	42.05	26.00	3.6/4.5	170.00	210.00	8.16

Links

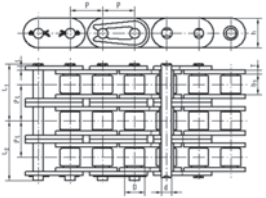
Conn links		
ISO no.		RE code
C08B-2	MDJ.C08B2SPL	884360
C10B-2	MDJ.C10B2SPL	884366
C12B-2	MDJ.C12B2SPL	884372
C16B-2	MDJ.C16B2-21-SPL	884384
C20B-2	MDJ.C20B2SPL	884393

Offset links		
ISO no.		RE code
C08B-2	MCS.C08B2SPL	884361
C10B-2	MCS.C10B2SPL	884367
C12B-2	MCS.C12B2SPL	884373
C16B-2	MCS.C16B2-21-SPL	884385
C20B-2	MCS.C20B2SPL	884394

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
ISO no.	Description	RE code
C08B-2	STRAIGHT PLATE CHAIN 12,7 D - MTR	886832
C10B-2	STRAIGHT PLATE CHAIN 15,87 D - MTR	886834
C12B-2	STRAIGHT PLATE CHAIN 19,05 D - MTR	886836
C16B-2	STRAIGHT PLATE CHAIN 25,4 D - MTR- INNER PLATE 21	886840
C20B-2	STRAIGHT PLATE CHAIN 31,75 D - MTR	886843

Dimensions



	Roller between inner plates			Roller dia	Pin dia			Inner plate depth	Plate thickness	Min tensile strength	Average tensile strength	Weight per metre
ISO no.	Pitch	P (mm)	b1 min (mm)	D max (mm)	d (mm)	L1 (mm)	L2 (mm)	h (mm)	t/T (mm)	Q min kN	Q0 kN	q kg/m
C12B-3	3/4"	19.05	11.68	12.07	5.72	30.50	31.90	16.00	1.80	86.70	99.70	3.87
C16B-3	1"	25.40	17.02	15.88	8.28	49.55	50.95	20.90	3.2/4	160.00	200.00	8.92
C20B-3	1 1/4"	31.75	19.56	19.05	10.19	56.65	60.25	26.00	3.6/4.5	250.00	287.50	12.21

Links

Conn links		
ISO no.		RE code
C12B-3	MDJ.C12B3SPL	884375
C16B-3	MDJ.C16B3-21-SPL	884387
C20B-3	MDJ.C20B3SPL	884396

Offset links		
ISO no.		RE code
C12B-3	MCS.C12B3SPL	884376
C16B-3	MCS.C16B3-21-SPL	884388
C20B-3	MCS.C20B3SPL	884397

Chain part numbers

	Code for 1mtr (supplied as 5mtr boxes)	
ISO no.	Description	RE code
C12B-3	STRAIGHT PLATE CHAIN 19,05 T - MTR	886837
C16B-3	STRAIGHT PLATE CHAIN 25,4 T - MTR - INNER PLATE 21	886841
C20B-3	STRAIGHT PLATE CHAIN 31,75 T - MTR	886844

ACCESSORIES - CHAIN TOOLS

	Description	RE code	
Chain breakers	CHAIN BREAKER 04C-12A (1/4"-3/4")	892569	
	CHAIN BREAKER 12A-20A (3/4"-1 1/4")	892570	
	CHAIN BREAKER 20A-36A (1 1/4"-2 1/4")	892571	
Chain pullers	CHAIN PULLER 04C-12A (1/4"-3/4")	892573	
	CHAIN PULLER 12A-20A (3/4"-1 1/4")	892574	
	CHAIN PULLER 20A-40A (1 1/4"-2 1/2")	892575	

SPROCKETS

Mecaline sprockets are manufactured using high grade C45 steel and GG25 cast iron.

Sprockets are offered in pilot bore, taper bore and platewheel options, in a combination of simplex, duplex or triplex profiles.

Pilot bore sprockets have a small nominal bore for ease of machine, ensuring our products are both time and cost effective.

Taper sprockets should be used in conjunction with our large range of Mecaline taper bushes, making our products easily adaptable for any number of applications.

(We can also manufacture sprockets and platewheels to customer drawing)

Sprocket selection guide

A sprocket is defined by:

1. The pitch (see diagram on the right)
2. The number of teeth
3. The number of rows of teeth
   e.g. simplex, duplex or triplex
4. The bore details
   e.g. pilot bore or taper bush type

Pitch
The pitch is measured by taking the distance between two consecutive teeth

Pitch sizes

ISO	Pitch (mm)	Pitch (In)
06B	9.52	3/8"
08B	12.7	1/2"
10B	15.87	5/8"
12B	19.05	3/4"
16B	25.4	1"
20B	31.75	1 1/4"
24B	38.1	1 1/2"
28B	44.45	1 3/4"
32B	50.8	2"

Mecaline sprockets and platewheels are available in the following profiles and bore types:

Contents	Pilot bore	Taper bush	Platewheel
04B-1	✓	-	-
04B-2	-	-	-
04B-3	-	-	-
05B-1	✓	-	-
05B-2	✓	-	-
05B-3	-	-	-
06B-1	✓	✓	✓
06B-2	✓	✓	✓
06B-3	✓	-	-
08B-1	✓	✓	✓
08B-2	✓	✓	✓
08B-3	✓	✓	-
10B-1	✓	✓	✓
10B-2	✓	✓	✓
10B-3	✓	✓	-
12B-1	✓	✓	✓
12B-2	✓	✓	✓
12B-3	✓	✓	-
16B-1	✓	✓	✓
16B-2	✓	✓	✓
16B-3	✓	✓	-
20B-1	✓	✓	✓
20B-2	✓	-	-
20B-3	✓	-	-
24B-1	✓	-	✓
24B-2	✓	-	-
24B-3	✓	-	-
28B-1	✓	-	✓
28B-2	✓	-	-
28B-3	✓	-	-
32B-1	✓	-	-
32B-2	✓	-	-
32B-3	✓	-	-

Sprockets

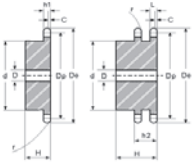
Pilot bored

Common dimensions (mm) (unless shown)	
Chain pitch x width	6 x 2.8mm
Radius width C	0.7
Tooth radius r	6
Tooth width h1	2.6
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex 04B1			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**
8	18	15.67	875974	9.8	5	10
9	19.9	17.54	875975	11.5	5	10
10	21.7	19.42	875976	13	6	10
11	23.6	21.3	875977	14	6	10
12	25.4	23.18	875978	16	6	10
13	27.3	25.05	875979	18	8	10
14	29.2	26.96	875980	20	8	10
15	31.1	28.86	875981	20	8	10
16	33	30.76	875982	20	8	13
17	35	32.65	875983	20	8	13
18	36.9	34.55	875984	20	8	13
19	38.8	36.44	875985	20	8	13
20	40.7	38.34	875986	20	8	13
21	42.6	40.25	875987	25	8	13
22	44.5	42.16	875988	25	8	13
23	46.4	44.06	875989	25	8	13
24	48.3	45.96	875990	25	8	13
25	50.2	47.87	875991	25	8	13
26	52.1	49.77	875992	30	8	15
27	54	51.67	875993	30	8	15
28	55.9	53.58	875994	30	8	15
29	57.8	55.5	875995	30	8	15
30	59.8	57.42	875996	30	8	15
31	61.7	59.31	875997	30	8	15
32	63.6	61.21	875998	30	8	15
33	65.5	63.11	875999	30	8	15
34	67.4	65.02	876000	30	8	15
35	69.3	66.93	876001	30	8	15
36	71.2	68.84	876002	30	8	15
37	73.1	70.75	876003	30	8	15
38	75	72.66	876004	30	8	15
39	76.9	74.56	876005	30	8	15
40	78.9	76.47	876006	30	8	15
45	88.5	86.01	876007	40	10	18
50	98	95.55	876008	40	12	18
57	111.4	108.93	876009	40	12	18
60	117.1	114.62	883125	50	12	20
76	147.6	145.19	883126	50	12	20

05B PILOT BORED SPROCKETS

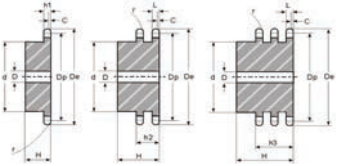


Common dimensions (mm) (unless shown)		
Chain pitch x width		8 x 3,0mm
Radius width	C	1
Tooth radius	r	8
Tooth width	h1	2.8
Tooth width	h2	8.3
Tooth width	h3	-
Tooth width	L	2.7
Material		C45 Steel unless shown

DIN 8187-ISO/R 606

			Simplex 05B1				Duplex 05B2			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	24	20.9	876043	13	6	12	876074	12	8	18
9	26.6	23.39	876044	15	6	12	876075	15	8	18
10	29.2	25.89	876045	17	8	12	876076	17	8	18
11	31.7	28.39	876046	18	8	13	876077	19	10	18
12	34.2	30.91	865853	20	8	13	876078	21	10	18
13	36.7	33.42	865854	23	8	13	876079	24	10	18
14	39.2	35.95	876047	25	8	13	876080	26	10	18
15	41.7	38.48	865855	28	8	13	876081	29	10	18
16	44.3	41.01	865856	30	8	24	876082	32	10	20
17	46.8	43.53	865857	30	8	24	876083	34	10	20
18	49.3	46.07	876048	30	8	24	876084	37	10	20
19	51.9	48.61	876049	30	8	14	876085	39	10	20
20	54.4	51.14	876050	30	8	14	876086	40	10	20
21	57	53.67	876051	35	8	14	876087	40	10	20
22	59.5	56.21	876052	35	8	14	876088	40	10	20
23	62	58.75	876053	35	8	14	876089	40	10	20
24	67.5	61.29	876054	35	8	14	876090	40	10	20
25	67.5	63.83	865858	35	8	16	876091	40	10	20
26	69.5	66.37	876055	40	10	16	876092	50	12	22
27	72.2	68.91	876056	40	10	16	876093	50	12	22
28	74.8	71.45	876057	40	10	16	876094	50	12	22
29	77.3	73.99	876058	40	10	16	876095	50	12	22
30	79.8	76.53	876059	40	10	16	876096	50	12	22
31	82.4	79.08	876060	40	10	16	876097	60	12	22
32	84.9	81.61	876061	40	10	16	876098	60	12	22
33	87.5	84.16	876062	40	10	16	876099	60	12	22
34	90	86.7	876063	40	10	16	876100	60	12	22
35	92.5	89.24	876064	40	10	16	876101	60	12	22
36	95	91.79	876065	40	10	16	876102	60	12	22
37	97.6	94.33	876066	40	10	16	876103	60	12	22
38	100.2	96.88	876067	40	10	16	876104	60	12	22
39	102.7	99.42	876068	40	10	16	876105	60	12	22
40	105.3	101.97	876069	40	10	16	876106	60	12	22
45	118	114.69	876070	58	20	20	-	-	-	-
48	125.6	122.32	883127	58	20	20	-	-	-	-
50	130.7	127.41	876071	58	20	20	-	-	-	-
57	148.6	145.22	876072	78	20	20	-	-	-	-
60	156.2	152.85	883128	78	25	25	-	-	-	-
76	197.7	193.59	876073	78	25	25	-	-	-	-

06B PILOT BORED SPROCKETS



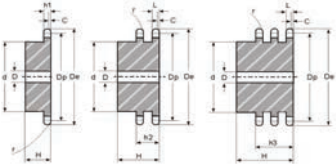
Common dimensions (mm) (unless shown)	
Chain pitch x width	3/8" x 7/32"
Radius width C	1
Tooth radius r	10
Tooth width h1	5.3
Tooth width h2	15.4
Tooth width h3	25.6
Tooth width L	5.2
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 06B1				Duplex 06B2				Triplex 06B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	28	24.89	865859	15	8	22	865889	8	6	22	876126	15	6	32
9	31	27.85	865860	18	8	22	876111	18	8	22	876127	18	8	32
10	34	30.82	865861	20	8	22	876112	20	8	22	876128	20	10	32
11	37	33.8	865862	22	8	25	876113	22	10	25	876129	22	10	35
12	40	36.8	865863	25	8	25	865890	25	10	25	865907	25	10	35
13	43	39.8	865864	28	10	25	865891	28	10	25	876130	28	10	35
14	46.3	42.8	865865	31	10	25	865892	31	10	25	876131	31	12	35
15	49.3	45.81	865866	34	10	25	865893	34	10	25	865908	34	12	35
16	52.3	48.82	865867	37	10	28	876114	37	12	30	876132	37	12	35
17	55.3	51.83	865868	40	10	28	865894	40	12	30	865909	40	12	35
18	58.3	54.85	865869	43	10	28	865895	43	12	30	876133	43	12	35
19	61.3	57.87	865870	45	10	28	865896	46	12	30	865910	46	12	35
20	64.3	60.89	865871	46	10	28	865897	49	12	30	876134	49	12	35
21	68	63.91	865872	48	12	28	865898	52	12	30	876135	52	14	40
22	71	66.93	865873	50	12	28	865899	55	12	30	876136	55	14	40
23	73.5	69.95	865874	52	12	28	865900	58	12	30	865911	58	14	40
24	77	72.97	865875	54	12	28	876115	61	12	30	876137	61	14	40
25	80	76	865876	57	12	28	865901	64	12	30	876138	64	14	40
26	80	76	865877	57	12	28	865902	67	12	30	876139	67	14	40
27	86	82.04	865878	60	12	28	876116	70	12	30	876140	70	14	40
28	89	85.07	865879	60	12	28	876117	73	12	30	876141	73	14	40
29	92	88.09	865880	60	12	28	876118	76	12	30	876142	76	14	40
30	94.7	91.12	865881	60	12	28	865903	76	12	30	876143	79	14	40
31	98.3	94.15	865882	65	14	30	865904	79	12	30	876144	80	16	40
32	101.3	97.17	865883	65	14	30	865905	80	16	30	876145	80	16	40
33	104.3	100.2	876107	65	14	30	876119	80	16	30	876146	80	16	40
34	107.3	103.23	865884	65	14	30	876120	80	16	30	876147	85	16	40
35	110.4	106.26	876108	65	14	30	876121	80	16	30	876148	85	16	40
36	113.4	109.29	865885	70	16	30	876122	90	16	30	876149	90	16	40
37	116.4	112.32	876109	70	16	30	876123	90	16	30	876150	90	16	40
38	119.5	115.34	865886	70	16	30	865906	80	19	40	876151	90	16	40
39	122.5	118.37	876110	70	16	30	876124	90	19	40	876152	90	16	40
40	125.5	121.4	865887	70	16	30	876125	90	19	40	876153	90	16	40
42	131.6	127.46	883129	70	19	32	883130	90	19	40	-	-	-	-
45	140.7	136.55	865888	70	19	32	883131	80	19	40	883132	90	16	56
46	143.7	139.58	883133	70	19	32	-	-	-	-	-	-	-	-
48	149.7	145.64	883134	70	19	32	883135	90	19	40	883136	90	16	56
50	155.7	151.69	883137	70	19	32	883138	90	19	40	883139	90	16	56
55	170.8	166.85	883140	70	19	32	-	-	-	-	-	-	-	-
57	176.9	172.91	883141	70	19	32	883142	80	19	40	883143	90	16	56
60	186	181.99	883144	70	19	32	883145	90	-	40	883146	90	16	56
76	234.9	230.49	883147	70	19	32	883148	80	19	40	883149	100	16	56
95	292.5	288.08	883150	80	19	32	883151	90	19	45	883152	100	16	56

08B PILOT BORED SPROCKETS



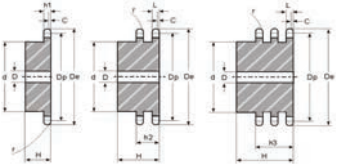
Common dimensions (mm) (unless shown)	
Chain pitch x width	1/2" x 5/16"
Radius width C	1.3
Tooth radius r	13
Tooth width h1	7.2
Tooth width h2	21
Tooth width h3	34.9
Tooth width L	7
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 08B1				Duplex 08B2				Triplex 08B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	37.2	33.18	865912	20	10	22	876290	20	10	32	876300	20	10	46
9	41	37.13	865913	24	10	22	876291	24	10	32	876301	24	12	46
10	45.2	41.1	865914	26	10	22	865943	28	10	32	876302	28	12	46
11	48.7	45.07	865915	29	10	25	865944	32	12	35	876303	32	14	50
12	53	49.07	865916	33	10	25	865945	35	12	35	876304	35	14	50
13	57.4	53.06	865917	37	10	25	865946	38	12	35	865967	38	14	50
14	61.8	57.07	865918	41	10	25	865947	42	12	35	876305	42	14	50
15	65.5	61.09	865919	45	10	25	865948	46	12	35	865968	46	14	50
16	69.5	65.1	865920	50	12	30	865949	50	14	35	876306	50	16	50
17	73.6	69.11	865921	52	12	30	865950	54	14	35	865969	54	16	50
18	77.8	73.14	865922	56	12	30	865951	58	14	35	876307	58	16	50
19	81.7	77.16	865923	60	12	30	865952	62	14	35	865970	62	16	50
20	85.8	81.19	865924	64	12	30	865953	66	14	35	876308	66	16	50
21	89.7	85.22	865925	68	12	30	865954	70	16	40	865971	70	20	55
22	93.8	89.24	865926	70	12	30	865955	70	16	40	876309	70	20	55
23	98.2	93.27	865927	70	14	30	865956	70	16	40	865972	70	20	55
24	101.8	97.29	865928	70	14	30	865957	75	16	40	876310	75	20	55
25	105.8	101.33	865929	70	14	30	865958	80	16	40	865973	80	20	55
26	110	105.36	865930	70	16	30	865959	85	20	40	876311	85	20	55
27	114	109.4	865931	70	16	30	865960	85	20	40	876312	85	20	55
28	118	113.42	865932	70	16	30	876292	90	20	40	865974	90	20	55
29	122	117.46	865933	80	16	30	876293	95	20	40	876313	95	20	55
30	126.1	121.5	865934	80	16	30	865961	100	20	40	865975	100	20	55
31	130.2	125.54	876286	90	16	30	876294	100	20	40	876314	110	20	55
32	134.3	129.56	865935	90	16	30	865962	100	20	40	876315	110	20	55
33	138.4	133.6	876287	90	16	30	876295	100	20	40	876316	110	20	55
34	142.6	137.64	865936	90	16	30	876296	100	20	40	876317	110	20	55
35	146.7	141.68	865937	90	16	30	876297	100	20	40	876318	110	20	55
36	151	145.72	865938	90	16	30	865963	110	20	40	876319	120	20	55
37	154.6	149.76	876288	90	16	35	876298	110	20	40	876320	120	20	55
38	158.6	153.8	865939	70	19	30	865964	90	23	40	865976	100	23	55
39	162.7	157.83	876289	90	16	35	876299	110	20	40	876321	120	20	55
40	166.8	161.87	865940	90	16	30	865965	110	20	40	876322	120	20	55
42	175.4	169.95	883153	90	16	40	883154	110	20	50	-	-	-	-
45	188	182.07	865941	70	19	40	883155	90	23	50	883156	100	23	60
46	192.1	186.1	883157	70	19	40	883158	110	23	50	-	-	-	-
48	200.3	194.18	883159	70	19	40	883160	110	23	50				
50	208.3	202.26	883161	70	19	40	883162	110	23	50	883163	100	24	60
55	228.1	222.46	883164	70	19	40	-	-	-	-	-	-	-	-
57	236.4	230.54	865942	80	23	40	865966	90	23	50	883165	100	23	60
60	248.6	242.66	883166	70	19	40	883167	90	23	50	883168	100	23	60
76	313.2	307.33	883169	80	23	40	883170	100	23	55	883171	100	23	60
95	390.1	384.11	883172	80	23	40	883173	100	23	55	883174	120	23	60

10B PILOT BORED SPROCKETS



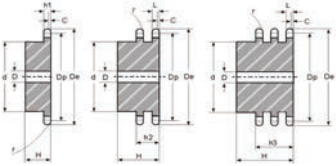
Common dimensions (mm) (unless shown)	
Chain pitch x width	5/8" x 3/8"
Radius width C	1.6
Tooth radius r	16
Tooth width h1	9.1
Tooth width h2	25.5
Tooth width h3	42.1
Tooth width L	9
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 10B1				Duplex 10B2				Triplex 10B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	47	41.48	865977	25	10	25	876331	25	12	40	876350	25	12	55
9	52.6	46.42	865978	30	10	25	876332	30	12	40	876351	30	12	55
10	57.5	51.37	865979	35	10	25	876333	35	12	40	876352	35	16	55
11	63	56.34	865980	37	12	30	876334	39	14	40	876353	39	16	55
12	68	61.34	865981	42	12	30	866004	44	14	40	876354	44	16	55
13	73	66.32	865982	47	12	30	866005	49	14	40	866018	49	16	55
14	78	71.34	865983	52	12	30	866006	54	14	40	866019	54	16	55
15	83	76.36	865984	57	12	30	866007	59	14	40	866020	59	16	55
16	88	81.37	865985	60	12	30	866008	64	16	45	876355	64	16	60
17	93	86.39	865986	60	12	30	866009	69	16	45	866021	69	16	60
18	98.3	91.42	865987	70	14	30	866010	74	16	45	876356	74	16	60
19	103.3	96.45	865988	70	14	30	866011	79	16	45	866022	79	16	60
20	108.4	101.49	865989	75	14	30	866012	84	16	45	866023	84	16	60
21	113.4	106.52	865990	75	16	30	866013	85	16	45	876357	85	20	60
22	118	111.55	865991	80	16	30	876335	90	16	45	866024	115	20	60
23	123.4	116.58	865992	80	16	30	876336	95	16	45	876358	95	20	60
24	128.3	121.62	865993	80	16	30	866014	100	16	45	876359	100	20	60
25	134	126.66	865994	80	16	30	866015	105	16	45	876360	105	20	60
26	139	131.7	865995	85	20	35	876337	110	20	45	876361	110	20	60
27	144	136.75	865996	85	20	35	876338	110	20	45	876362	110	20	60
28	148.7	141.78	865997	90	20	35	876339	115	20	45	876363	115	20	60
29	153.8	146.83	876323	90	20	35	876340	115	20	45	876364	115	20	60
30	158.8	151.87	865998	90	20	35	866016	120	20	45	866025	120	20	60
31	163.9	156.92	876324	95	20	35	876341	120	20	45	876365	120	20	60
32	168.9	161.95	865999	95	20	35	876342	120	20	45	876366	120	20	60
33	174.5	167	876325	95	20	35	876343	120	20	45	876367	120	20	60
34	179	172.05	876326	95	20	35	876344	120	20	45	876368	120	20	60
35	184.1	177.1	876327	95	20	35	876345	120	20	45	876369	120	20	60
36	189.1	182.15	876328	100	20	35	876346	120	20	45	876370	120	25	60
37	194.2	187.2	876329	100	20	35	876347	120	20	45	876371	120	25	60
38	199.2	192.24	866000	80	19	40	866017	100	29	50	876372	120	25	60
39	204.2	197.29	876330	70	20	35	876348	120	20	45	876373	100	31	60
40	209.3	202.34	866001	70	20	35	876349	120	20	45	876374	120	25	60
42	219.9	212.44	883175	70	20	35	883176	120	20	50	-	-	-	-
45	235	227.58	866002	80	19	40	883177	100	29	50	883178	100	31	60
46	240.1	232.63	883179	80	20	40	883180	120	20	50	-	-	-	-
48	250.2	242.73	883181	80	20	40	883182	120	20	50	-	-	-	-
50	260.3	252.82	883183	80	20	40	883184	120	20	50	883185	130	25	60
55	285.5	278.08	883186	80	20	40	883187	120	20	50	-	-	-	-
57	296	288.18	866003	90	23	45	883188	100	29	56	883189	100	31	60
60	310.8	303.32	883190	90	23	45	883191	120	20	57	883192	130	25	64
76	392.1	384.16	883193	90	23	50	883194	100	29	63	883195	110	34	64
95	488.5	480.14	883196	100	23	56	883197	110	29	63	883198	125	34	70

12B PILOT BORED SPROCKETS



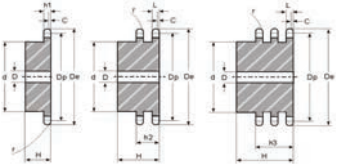
Common dimensions (mm) (unless shown)	
Chain pitch x width	3/4" x 7/16"
Radius width C	2
Tooth radius r	19
Tooth width h1	11.1
Tooth width h2	30.3
Tooth width h3	49.8
Tooth width L	10.8
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 12B1				Duplex 12B2				Triplex 12B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	57.60	49.78	866026	31	12	30	876382	31	12	45	876397	31	16	65
9	62	55.7	876375	37	12	30	876383	37	12	45	876398	37	16	65
10	69	61.64	866027	42	12	30	876384	42	12	45	876399	42	16	65
11	75	67.61	866028	46	14	35	866053	47	16	50	876400	47	20	70
12	81.5	73.6	866029	52	14	35	866054	53	16	50	876401	53	20	70
13	87.5	79.59	866030	58	14	35	866055	59	16	50	866072	59	20	70
14	93.6	85.61	866031	64	14	35	866056	65	16	50	876402	65	20	70
15	99.8	91.63	866032	70	14	35	866057	71	16	50	866073	71	20	70
16	105.5	97.65	866033	75	16	35	876385	77	20	50	876403	77	20	70
17	111.5	103.67	866034	80	16	35	866058	83	20	50	866074	89	20	70
18	118	109.71	866035	80	16	35	866059	89	20	50	866075	89	20	70
19	124.2	115.75	866036	80	16	35	866060	95	20	50	866076	95	20	70
20	129.7	121.78	866037	80	16	35	866061	100	20	50	876404	100	20	70
21	136	127.82	866038	90	20	40	866062	100	20	50	866077	100	20	70
22	141.8	133.86	866039	90	20	40	866063	100	20	50	876405	100	20	70
23	149	139.9	866040	90	20	40	866064	110	20	50	876406	110	20	70
24	153.9	145.94	866041	90	20	40	866065	110	20	50	876407	110	20	70
25	160	152	866042	90	20	40	866066	120	20	50	866078	130	20	70
26	165.9	158.04	876376	95	20	40	866067	120	20	50	876408	120	20	70
27	172.3	164.09	866043	95	20	40	876386	120	20	50	876409	120	20	70
28	178	170.13	866044	95	20	40	876387	120	20	50	876410	120	20	70
29	184.1	176.19	876377	95	20	40	876388	120	20	50	876411	120	20	70
30	190.5	182.25	866045	95	20	40	866068	120	20	50	876412	120	20	70
31	196.3	188.31	866046	100	20	40	876389	120	20	50	876413	130	25	70
32	203.3	194.35	866047	100	20	40	866069	130	20	50	876414	130	25	70
33	209.3	200.4	866048	100	20	40	876390	120	20	50	876415	130	25	70
34	214.6	206.46	876378	95	20	40	876391	120	20	50	876416	130	25	70
35	221	212.52	866049	100	20	40	876392	120	20	50	876417	130	25	70
36	226.8	218.58	866050	100	20	40	876393	120	25	50	876418	130	25	70
37	232.9	224.64	876379	100	20	40	876394	120	25	50	876419	130	25	70
38	239	230.69	866051	100	23	56	866070	110	29	63	866079	140	30	70
39	245.1	236.75	876380	100	20	40	876395	120	25	50	876420	130	25	70
40	251.3	242.81	876381	100	20	40	876396	120	25	50	876421	130	25	70
42	264.5	254.93	883199	110	23	56	883200	136	29	63	-	-	-	-
45	282.5	273.09	866052	100	23	56	883201	110	29	63	883202	140	30	70
46	287.9	279.16	883203	110	23	56	883204	136	29	63	-	-	-	-
48	300.1	291.27	883205	110	23	56	883206	136	29	63	-	-	-	-
50	312.3	303.39	883207	110	23	56	883208	136	29	63	883209	140	-	70
55	342.7	333.7	883210	110	23	56	883211	136	29	63	-	-	-	-
57	355.4	345.81	883212	100	29	56	866071	120	29	63	883213	140	39	70
60	373	363.99	883214	110	23	56	883215	136	29	63	883216	140	39	70
76	469.9	460.99	883217	100	29	56	883218	135	29	63	883219	160	39	75
95	585.1	576.17	883220	100	29	56	883221	135	29	63	883222	170	29	82

16B PILOT BORED SPROCKETS



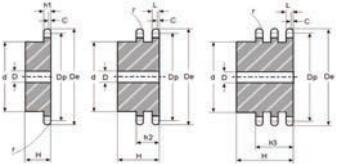
Common dimensions (mm) (unless shown)	
Chain pitch x width	1" x 17,02 mm
Radius width C	2.5
Tooth radius r	26
Tooth width h1	16.2
Tooth width h2	47.7
Tooth width h3	79.6
Tooth width L	15.8
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 16B1				Duplex 16B2				Triplex 16B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	77	66.37	876422	42	16	35	876435	42	16	65	876454	42	8	95
9	85	74.27	876423	50	16	35	876436	50	16	65	876455	50	9	95
10	93	82.19	866080	55	16	35	866100	56	16	65	876456	56	10	95
11	99.5	90.14	866081	61	16	40	876437	64	20	70	876457	64	11	100
12	109	98.14	866082	69	16	40	866101	72	20	70	866114	72	12	100
13	117	106.12	866083	78	16	40	866102	80	20	70	866115	80	13	100
14	125	114.15	866084	84	16	40	866103	88	20	70	876458	88	14	100
15	133	122.17	866085	92	16	40	866104	96	20	70	866116	96	15	100
16	141	130.2	866086	100	20	45	866105	104	20	70	866117	104	16	100
17	149	138.22	866087	100	20	45	866106	112	20	70	866118	112	17	100
18	157	146.28	866088	100	20	45	866107	120	20	70	876459	120	18	100
19	165.2	154.33	866089	100	20	45	866108	128	20	70	866119	128	19	100
20	173.2	162.38	866090	100	20	45	866109	130	20	70	876460	130	20	100
21	181.2	170.43	866091	110	20	50	866110	*130	25	70	866120	*130	21	100
22	189.3	178.48	866092	110	20	50	876438	*130	25	70	876461	130	22	100
23	197.5	186.53	866093	110	20	50	876439	*130	25	70	876462	130	23	100
24	205.5	194.59	866094	110	20	50	876440	*130	25	70	876463	130	24	100
25	213.5	202.66	866095	110	20	50	866111	*130	25	70	876464	130	25	100
26	221.6	210.72	876424	120	20	50	876441	*130	25	70	876465	130	26	100
27	229.6	218.79	866096	120	20	50	876442	*130	25	70	876466	130	27	100
28	237.7	226.85	866097	120	20	50	876443	*130	25	70	876467	130	28	100
29	245.8	234.92	876425	120	20	50	876444	*130	25	70	876468	130	29	100
30	254	243	866098	110	29	65	866112	125	39	75	876469	145	39	90
31	262	251.08	876426	*120	25	50	876445	*130	25	70	876470	140	31	100
32	270	259.13	876427	*120	25	50	876446	*130	25	70	876471	140	32	100
33	278.5	267.21	876428	*120	25	50	876447	*130	25	70	876472	140	33	100
34	287	275.28	876429	*120	25	50	876448	*130	25	70	876473	140	34	100
35	296.2	283.36	876430	*120	25	50	876449	*130	25	70	876474	140	35	100
36	304.6	291.44	876431	*120	25	50	876450	*130	25	70	876475	140	36	100
37	312.6	299.51	876432	*120	25	50	876451	*130	25	70	876476	140	37	100
38	320.7	307.59	866099	110	29	65	866113	140	39	75	876477	160	44	100
39	328.8	315.67	876433	*120	25	50	876452	*130	25	70	876478	140	39	100
40	336.9	323.73	876434	*120	25	50	876453	*130	25	70	876479	140	40	100
42	353	339.9	883223	125	29	68	883224	140	39	70	-	-	-	-
45	377.1	264.12	883225	125	29	70	883226	150	39	75	883227	160	44	100
46	385.2	372.21	883228	125	29	68	883229	140	39	70	-	-	-	-
48	401.3	388.36	883230	125	29	68	883231	140	39	70	-	-	-	-
50	417.4	404.52	883232	125	29	68	883233	140	39	70	883234	160	50	100
57	474	461.07	883235	125	34	70	883236	170	39	90	883237	165	44	100
60	498.3	485.32	883238	133	34	68	883239	150	39	85	-	-	-	-
76	627	614.65	883240	140	34	80	883241	175	39	95	883242	200	44	110
95	781.1	768.22	883243	140	39	80	883244	175	44	95	883245	200	49	110

20B PILOT BORED SPROCKETS



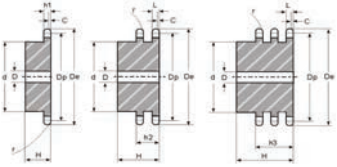
Common dimensions (mm) (unless shown)	
Chain pitch x width	1" 1/4 x 3/4"
Radius width C	3.5
Tooth radius r	32
Tooth width h1	18.5
Tooth width h2	54.6
Tooth width h3	91
Tooth width L	18.2
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 20B1				Duplex 20B2				Triplex 20B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	98.1	82.96	876480	53	20	40	876506	53	20	75	876533	53	20	110
9	108	92.84	876481	63	20	40	876507	63	20	75	876534	63	20	110
10	117.9	102.74	876482	70	20	40	866128	70	20	75	876535	70	20	110
11	127.8	112.68	876483	77	20	45	876508	80	20	80	876536	80	20	115
12	137.8	122.68	866121	88	20	45	876509	90	20	80	876537	90	20	115
13	147.8	132.65	876484	98	20	45	866129	100	20	80	876538	100	20	115
14	157.8	142.68	866122	108	20	45	876510	110	20	80	876539	110	20	115
15	167.9	152.72	866123	118	20	45	866130	120	20	80	876540	120	20	115
16	177.9	162.75	876485	120	25	50	876511	120	25	80	876541	120	25	115
17	187.9	172.78	866124	120	25	50	876512	120	25	80	876542	120	25	115
18	198	182.85	876486	120	25	50	876513	*120	25	80	876543	120	25	115
19	208.1	192.91	866125	120	25	50	866131	*120	25	80	876544	120	25	115
20	218.1	202.98	876487	120	25	50	876514	*120	25	80	876545	120	25	115
21	228.2	213.04	866126	140	25	55	876515	*140	25	80	876546	140	25	115
22	238.3	223.11	876488	140	25	55	876516	*140	25	80	876547	140	25	115
23	248.3	233.17	876489	140	25	55	866132	*140	25	80	876548	140	25	115
24	258.4	243.23	876490	140	25	55	876517	*140	25	80	876549	140	25	115
25	268.5	253.33	866127	140	25	55	876518	*140	25	80	876550	140	25	115
26	278.6	263.4	876491	*150	25	55	876519	*150	25	80	876551	150	25	115
27	288.6	273.48	876492	*150	25	55	876520	*150	25	80	876552	150	25	115
28	298.7	283.56	876493	*150	25	55	876521	*150	25	80	876553	150	25	115
29	308.8	293.65	876494	*150	25	55	876522	*150	25	80	876554	150	25	115
30	318.9	303.75	876495	115	35	70	876523	130	40	80	876555	160	50	100
31	329	313.85	876496	*150	25	55	876524	*150	25	80	876556	150	30	115
32	339.1	323.91	876497	*150	25	55	876525	*150	25	80	876557	150	30	115
33	349.2	334.01	876498	*150	25	55	876526	*150	25	80	876558	150	30	115
34	359.3	334.1	876499	*150	25	55	876527	*150	25	80	876559	150	30	115
35	369.4	354.2	876500	*150	25	55	876528	*150	30	80	876560	150	30	115
36	379.5	364.3	876501	*150	25	55	876529	*150	30	80	876561	150	30	115
37	389.5	374.39	876502	*150	25	55	876530	*150	30	80	876562	150	30	115
38	399.6	384.49	876503	125	35	70	866133	140	44	90	876563	180	56	110
39	409.7	394.59	876504	*150	25	55	876531	*150	30	80	876564	150	30	115
40	419.8	404.66	876505	*150	25	55	876532	*150	30	80	876565	150	30	115
42	440	424.88	883246	150	25	70	-	-	-	-	-	-	-	-
45	470.3	455.17	883247	125	35	70	883248	140	44	90	883249	180	56	110
46	480.4	465.26	883250	150	35	70	883251	160	50	90	-	-	-	-
48	500.6	485.46	883252	150	35	70	-	-	-	-	-	-	-	-
50	520.8	505.65	883253	150	35	70	883254	160	50	90	883255	160	56	110
57	591.5	576.36	883256	135	40	80	883257	160	50	100	883258	180	60	125
60	621.8	606.65	883259	150	35	80	-	-	-	-	-	-	-	-
76	783.3	768.32	883260	140	40	80	883261	180	50	100	883262	200	60	140
95	975.2	960.28	883263	150	35	90	883264	180	50	100	-	-	-	-

24B PILOT BORED SPROCKETS



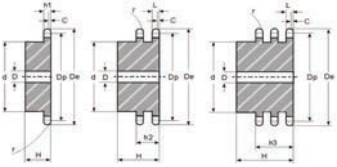
Common dimensions (mm) (unless shown)	
Chain pitch x width	1" 1/2 x 1"
Radius width C	4
Tooth radius r	38
Tooth width h1	24.1
Tooth width h2	72
Tooth width h3	120.3
Tooth width L	23.6
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

GG25 cast iron

			Simplex 24B1				Duplex 24B2				Triplex 24B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	115	99.55	876566	58	20	45	876594	58	25	95	876623	58	25	140
9	126.4	111.4	876567	70	20	45	876595	70	25	95	876624	70	25	140
10	138	123.29	876568	80	20	45	876596	80	25	95	876625	80	25	140
11	150	135.21	876569	90	25	50	876597	90	25	100	876626	90	25	150
12	162	147.22	876570	102	25	50	876598	102	25	100	876627	102	25	150
13	174.2	159.18	866134	114	25	50	876599	114	25	100	876628	114	25	150
14	186.2	171.22	876571	128	25	50	876600	128	25	100	876629	128	25	150
15	198.2	183.26	866135	140	25	50	866139	140	25	100	876630	140	25	150
16	210.3	195.3	876572	136	25	55	876601	*140	25	100	876631	*140	25	150
17	222.3	207.34	866136	*140	25	55	866140	*140	25	100	876632	*150	25	150
18	234.3	219.42	876573	*140	25	55	876602	*140	25	100	876633	*160	25	150
19	246.5	231.49	876574	*140	25	55	866141	*140	25	100	866143	*160	25	150
20	258.6	243.57	876575	*140	25	55	876603	*140	25	100	876634	*160	25	150
21	270.6	255.65	866137	*150	25	60	866142	*150	25	100	876635	*160	30	150
22	282.7	267.73	876576	*150	25	60	876604	*150	25	100	876636	*160	30	150
23	294.8	279.8	876577	*150	25	60	876605	*150	25	100	876637	*160	30	150
24	306.8	291.88	876578	*150	25	60	876606	*150	25	100	876638	*160	30	150
25	319	304	866138	*150	25	60	876607	*150	25	100	876639	*160	30	150
26	331	316.08	876579	*160	30	60	876608	*160	30	100	876640	*160	30	150
27	343.2	328.19	876580	*160	30	60	876609	*160	30	100	876641	*160	30	150
28	355.2	340.27	876581	*160	30	60	876610	*160	30	100	876642	*160	30	150
29	367.3	352.38	876582	*160	30	60	876611	*160	30	100	876643	*160	30	150
30	379.5	364.5	876583	130	40	85	876612	160	40	95	876644	180	60	150
31	391.6	376.62	876584	*160	30	60	876613	*170	30	100	876645	*170	40	150
32	403.7	388.69	876585	*160	30	60	876614	*170	30	100	876646	*170	40	150
33	415.8	400.81	876586	*160	30	60	876615	*170	30	100	876647	*170	40	150
34	427.8	412.93	876587	*160	30	60	876616	*170	30	100	876648	*170	40	150
35	440	425.04	876588	*160	30	60	876617	*170	30	100	876649	*170	40	150
36	452	437.16	876589	*160	30	60	876618	*170	30	100	876650	*170	40	150
37	464.2	449.27	876590	*160	30	60	876619	*170	30	100	876651	*170	40	150
38	476.2	461.39	876591	140	45	90	876620	180	45	100	876652	200	60	150
39	488.5	473.5	876592	*160	30	60	876621	*170	30	100	876653	*170	40	150
40	500.6	485.62	876593	*160	30	60	876622	*170	30	100	876654	*170	40	150
42	524.7	509.85	883265	*160	45	90	-	-	-	-	-	-	-	-
45	561.2	546.2	883266	140	45	90	883267	180	45	100	883268	200	60	150
46	573.3	558.32	883269	*160	30	90	-	-	-	-	-	-	-	-
48	597.4	582.55	883270	*160	45	90	-	-	-	-	-	-	-	-
50	621.7	606.78	883271	*160	45	90	883272	180	45	100	883273	200	70	150
55	682.3	667.4	883274	*160	45	100	-	-	-	-	-	-	-	-
57	706.5	691.73	883275	160	45	100	883276	200	55	110	883277	200	70	150
60	742.8	727.97	883278	*160	45	100	-	-	-	-	-	-	-	-
76	936.9	921.98	883279	170	45	100	883280	220	55	120	883281	220	70	150
95	1167.3	1152.33	883282	200	50	125	-	-	-	-	-	-	-	-

28B PILOT BORED SPROCKETS

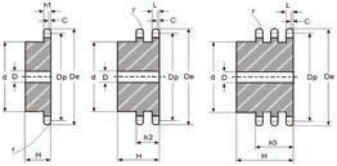


Common dimensions (mm) (unless shown)	
Chain pitch x width	1"3/4 x 1"1/4
Radius width C	5
Tooth radius r	44
Tooth width h1	29.4
Tooth width h2	88.4
Tooth width h3	148
Tooth width L	28.8
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

			Simplex 28B1				Duplex 28B2				Triplex 28B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	132	116.15	876655	74	25	70	876688	74	25	120	876721	74	30	180
9	148.4	129.96	876656	88	25	70	876689	88	25	120	876722	88	30	180
10	162.3	143.85	876657	100	25	70	876690	100	25	120	876723	100	30	180
11	176.3	157.77	876658	112	25	70	876691	112	25	120	876724	112	30	180
12	189.5	171.74	876659	125	25	70	876692	125	25	120	876725	125	30	180
13	204.2	185.75	876660	*130	25	70	876693	*130	25	120	876726	*130	30	180
14	218.2	199.76	876661	*130	25	70	876694	*130	25	120	876727	*130	30	180
15	232.3	213.79	876662	*145	25	70	876695	*160	30	120	876728	*145	30	180
16	246.3	227.84	876663	*160	30	75	876696	*160	30	120	876729	*160	30	180
17	260.3	241.9	876664	*160	30	75	876697	*160	30	120	876730	*160	30	180
18	274	255.98	876665	*160	30	75	876698	*160	30	120	876731	*160	30	180
19	289	270.06	876666	*160	30	75	876699	*180	30	120	876732	*180	30	180
20	303	284.15	876667	*160	30	75	876700	*180	30	120	876733	*180	30	180
21	317	298.24	876668	*170	30	75	876701	*180	30	120	876734	*180	30	180
22	331	312.34	876669	*170	30	75	876702	*180	30	120	876735	*180	30	180
23	345	326.44	876670	*170	30	75	876703	*180	30	120	876736	*180	30	180
24	359	340.55	876671	*170	30	75	876704	*180	30	120	876737	*180	30	180
25	373	354.66	876672	*170	30	75	876705	*180	30	120	876738	*180	40	180
26	387	368.77	876673	*170	30	75	876706	*180	30	120	876739	*180	40	180
27	401.4	382.88	876674	*170	30	75	876707	*180	30	120	876740	*180	40	180
28	416	397	876675	*170	30	75	876708	*180	30	120	876741	*180	40	180
29	430	411.12	876676	*170	30	75	876709	*180	30	120	876742	*180	40	180
30	444	425.24	876677	*170	30	75	876710	*200	30	120	876743	*180	40	180
31	458	439.37	876678	*180	30	75	876711	*200	30	120	876744	*200	40	180
32	472	453.49	876679	*180	30	75	876712	*200	30	120	876745	*200	40	180
33	486	467.62	876680	*180	30	75	876713	*200	30	120	876746	*200	40	180
34	500	481.75	876681	*180	30	75	876714	*200	30	120	876747	*200	40	180
35	514	495.88	876682	*180	30	75	876715	*200	30	120	876748	*200	40	180
36	529	510.01	876683	*180	30	75	876716	*200	30	120	876749	*200	40	180
37	543	524.13	876684	*180	30	75	876717	*200	30	120	876750	*200	40	180
38	557	538.27	876685	*180	30	75	876718	*200	30	120	876751	*200	40	180
39	571	552.4	876686	*180	30	75	876719	*200	30	120	876752	*200	40	180
40	585	566.54	876687	*180	30	75	876720	*200	30	120	876753	*200	40	180
42	613	594.79	883283	*180	30	75	-	-	-	-	-	-	-	-
45	656	637.22	883284	*180	30	75	883285	200	30	120	883286	200	40	180
46	670	651.33	883287	*180	30	75	-	-	-	-	-	-	-	-
48	694	679.6	883288	*180	30	75	-	-	-	-	-	-	-	-
50	726	707.91	883289	*180	30	75	883290	200	30	120				
55	754	778.59	883291	*180	30	75	-	-	-	-	-	-	-	-
57	825	806.9	883292	*180	30	75	883293	200	30	120	883294	200	40	180
60	869	849.32	883295	*180	30	75	-	-	-	-	-	-	-	-
76	1095	1075.62	883296	*180	30	75	883297	200	30	130	883298	200	40	190

32B PILOT BORED SPROCKETS

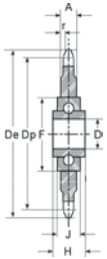


Common dimensions (mm) (unless shown)	
Chain pitch x width	2" x 1"1/4
Radius width C	6
Tooth radius r	51
Tooth width h1	29.4
Tooth width h2	87.4
Tooth width h3	146
Tooth width L	28.8
Material	C45 Steel unless shown

DIN 8187-ISO/R 606

			Simplex 32B1				Duplex 32B2				Triplex 32B3			
No. teeth	**De**	**Dp**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**	**RE code**	**d**	**D**	**H**
8	153.2	132.74	876754	82	25	80	876781	82	30	120	876803	82	30	180
9	169	148.54	876755	88	25	80	876782	88	30	120	876804	88	30	180
10	185	164.39	876756	104	25	80	876783	104	30	120	876805	104	30	180
11	200.8	180.31	876757	120	30	80	876784	120	30	120	876806	120	30	180
12	216.8	196.29	876758	*133	30	80	876785	*133	30	120	876807	*133	30	180
13	232.8	212.29	876759	*145	30	80	876786	*145	30	120	876808	*145	30	180
14	248.8	228.29	876760	*145	30	80	876787	*145	30	120	876809	*145	30	180
15	264.8	244.3	876761	*145	30	80	876788	*160	30	120	876810	*160	30	180
16	280.9	260.4	876762	*160	30	90	876789	*160	30	120	876811	*160	30	180
17	296.9	276.46	876763	*160	30	90	876790	*180	30	120	876812	*180	30	180
18	313	292.55	876764	*160	30	90	876791	*180	30	120	876813	*180	30	180
19	329.1	308.66	876765	*160	30	90	876792	*200	30	120	876814	*200	30	180
20	345.2	324.71	876766	*180	30	90	876793	*200	30	120	876815	*200	30	180
21	361.3	340.82	876767	*180	30	90	876794	*200	30	120	876816	*200	40	180
22	377.5	356.98	876768	*180	30	90	876795	*200	30	120	876817	*200	40	180
23	393.6	373.08	876769	*180	30	90	876796	*200	30	120	876818	*200	40	180
24	409.7	389.18	876770	*180	30	90	876797	*200	30	120	876819	*200	40	180
25	425.8	405.33	876771	*180	30	90	876798	*200	30	120	876820	*200	40	180
26	441.9	421.44	876772	*180	30	90	876799	*200	30	120	876821	*200	40	180
27	458.1	437.59	876773	*180	30	90	876800	*200	30	120	876822	*200	40	180
28	474.2	453.69	876774	*180	30	90	876801	*200	30	120	876823	*200	40	180
29	490.4	469.85	876775	*180	30	90	876802	*200	30	120	876824	*200	40	180
30	506.5	486	876776	*180	30	90	-	-	-	-	-	-	-	-
32	538.8	518.27	876777	*180	30	90	-	-	-	-	-	-	-	-
35	589.5	566.71	876778	*180	30	90	-	-	-	-	-	-	-	-
38	635.5	615.16	876779	*180	30	90	-	-	-	-	-	-	-	-
40	670.3	647.47	876780	*180	30	90	-	-	-	-	-	-	-	-
45	751	728.24	883299	*180	30	100	883300	*200	30	120	883301	*200	40	180
50	831.8	809.04	883302	*180	30	100	883303	*200	30	120	883304	*200	40	180
57	945	922.16	883305	*180	30	100	883306	*200	30	120	883307	*200	40	180
60	993.4	970.65	883308	*200	30	110	-	-	-	-	-	-	-	-
76	1252	1229.27	883309	*200	30	110	883310	*200	30	130	883311	*238	40	180
40	500.6	485.62	876593	*160	30	60	876622	*170	30	100	876654	*170	40	150
42	524.7	509.85	883265	*160	45	90	-	-	-	-	-	-	-	-
45	561.2	546.2	883266	140	45	90	883267	180	45	100	883268	200	60	150
46	573.3	558.32	883269	*160	30	90	-	-	-	-	-	-	-	-
48	597.4	582.55	883270	*160	45	90	-	-	-	-	-	-	-	-
50	621.7	606.78	883271	*160	45	90	883272	180	45	100	883273	200	70	150
55	682.3	667.4	883274	*160	45	100	-	-	-	-	-	-	-	-
57	706.5	691.73	883275	160	45	100	883276	200	55	110	883277	200	70	150
60	742.8	727.97	883278	*160	45	100	-	-	-	-	-	-	-	-
76	936.9	921.98	883279	170	45	100	883280	220	55	120	883281	220	70	150

CHAIN IDLERS

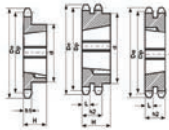


ISO no.	Pitch	Z mm	D mm	F mm	H mm	J mm	r mm	A mm	De	Dp	Ref.
06B1	3/8"	21	16	40	18.3	12	1	5.3	68	63.91	866211
08B1	1/2"	17	16	40	18.3	12	1.3	7.2	78	73.14	866212
10B1	5/8"	14	16	40	18.3	12	1.6	9.1	78	71.34	866213
10B1	5/8"	17	16	40	18.3	12	1.6	9.1	83	86.3	866214
12B1	3/4"	15	16	40	18.3	12	1.9	11.1	99.8	91.63	866215
16B1	1"	12	20	47	17.7	14	2.6	16.2	109	98.14	866216

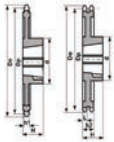
Sprockets

Taper bored

06B TAPER BORED SPROCKETS



Type 1 Type 2 Type 3



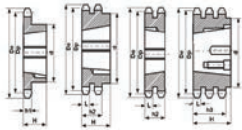
Type 6 Type 7

Common dimensions (mm) (unless shown)	
Chain pitch x width	3/8" x 7/32"
Radius width C	1
Tooth radius r	10
Tooth width h1	5.3
Tooth width h2	15.4
Tooth width L	5.2
Material	C45 steel unless shown

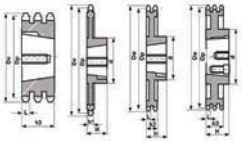
DIN 8187-ISO/R 606

			Simplex 06B1					Duplex 06B2				
No. teeth	De	Dp	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type
17	55.3	51.83	857097	1008	45	22	1	857116	1008	41	22	2
18	58.3	54.85	857098	1008	45	22	1	857117	1008	43	22	2
19	61.3	57.87	857099	1008	45	22	1	857118	1008	46	22	2
20	64.3	60.89	857100	1008	46	22	1	857119	1008	48	22	2
21	68	63.91	857101	1008	46	22	1	857120	1008	49	22	2
22	71	66.93	857102	1108	50	22	1	857121	1108	52	22	2
23	73.5	69.95	857103	1210	63	25	1	857122	1210	59	25	2
24	77	72.97	857104	1210	63	25	1	857123	1210	61	25	2
25	80	76.02	857105	1210	63	25	1	857124	1210	64	25	2
26	83	79.02	857106	1210	63	25	1	857125	1210	65	25	2
27	86	82.02	857107	1210	63	25	1	857126	1210	70	25	2
28	89	85.07	857108	1210	63	25	1	857127	1210	70	25	2
30	94.7	91.12	857109	1210	63	25	1	857128	1210	75	25	2
38	119.5	115.35	857110	1210	70	25	1	857129	1610	80	25	2
45	140.7	136.55	857111	1210	70	25	1 or 6	857130	1610	80	25	2 or 7
57	176.9	172.91	857112	1210	70	25	1 or 6	857131	1610	80	25	2 or 7
76	234.9	230.49	857113	1210	70	25	1 or 6	857132	1610	80	25	2 or 7
95	292.5	288.08	857114	1210	80	25	1 or 6	857133	1610	90	25	2 or 7
114	349.5	345.68	857115	1215	80	38	1 or 6	857134	1610	95	38	2 or 7

GG25 cast iron



Type 1 Type 2 Type 3 Type 4



Type 5 Type 6 Type 7 Type 8

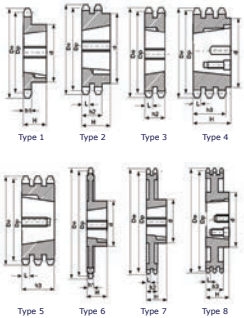
Common dimensions (mm) (unless shown)		
Chain pitch x width		1/2" x 5/16"
Radius width	C	1.3
Tooth radius	r	13
Tooth width	h1	7.2
Tooth width	h2	21
Tooth width	h3	34.9
Tooth width	L	7
Material		C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex 08B1					Duplex 08B2					Triplex 08B3				
No. teeth	De	Dp	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type
15	65.5	61.9	857145	1008	45	22	1	857166	1008	46	22	2	857187	1008	46	34.9	5
16	69.5	65.1	857146	1108	50	22	1	857167	1108	50	22	2	-	-	-	-	-
17	73.6	69.11	857147	1210	60	25	1	857168	1210	56	25	2	857188	1210	54	34.9	5
18	77.8	73.14	857148	1210	60	25	1	857169	1210	60	25	2	-	-	-	-	-
19	81.7	77.16	857149	1210	63	25	1	857170	1210	62	25	2	857189	1210	62	34.9	5
20	85.8	81.19	857150	1610	71	25	1	857171	1610	66	25	2	-	-	-	-	-
21	89.7	85.22	857151	1610	71	25	1	857172	1610	70	25	2	857190	1610	70	34.9	5
22	93.8	89.24	857152	1610	71	25	1	857173	1610	76	25	2	-	-	-	-	-
23	98.2	93.27	857153	1610	76	25	1	857174	1610	79	25	2	857191	1610	70	34.9	5
24	101.8	97.29	857154	1610	76	25	1	857175	1610	84	25	2	-	-	-	-	-
25	105.8	101.33	857155	1610	76	25	1	857176	2012	87	32	2	857192	2012	80	34.9	5
26	110	105.36	857156	1610	76	25	1	857177	2012	87	32	2	-	-	-	-	-
27	114.4	109.4	857157	1610	76	25	1	857178	2012	87	32	2	857193	2012	85	34.9	5
28	118	113.42	857158	2012	90	32	1	857179	2012	87	32	2	-	-	-	-	-
30	126.1	121.5	857159	2012	90	32	1	857180	2012	87	32	2	857194	2012	100	34.9	5
38	158.6	153.8	857160	2012	90	32	1	857181	2012	100	32	2	857195	2012	120	34.9	5
45	188	182.07	857161	2012	100	32	1 or 6	857182	2012	100	32	2 or 7	-	-	-	-	-
57	236.4	230.54	857162	2012	100	32	1 or 6	857183	2012	100	32	2 or 7	-	-	-	-	-
76	313.3	307.33	857163	2012	100	32	1 or 6	857184	2012	100	32	2 or 7	-	-	-	-	-
95	390.1	384.11	857164	2012	100	32	1 or 6	857185	2012	100	32	2 or 7	-	-	-	-	-
114	466.9	460.9	857165	2517	110	45	1 or 6	857186	2012	110	45	2 or 7	-	-	-	-	-

GG25 cast iron

10B TAPER BORED SPROCKETS



Type 1 Type 2 Type 3 Type 4

Type 5 Type 6 Type 7 Type 8

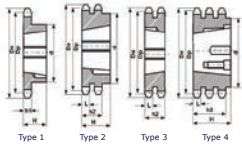
Common dimensions (mm) (unless shown)	
Chain pitch x width	5/8" x 3/8"
Radius width C	1.6
Tooth radius r	16
Tooth width h1	9.1
Tooth width h2	25.5
Tooth width h3	42.1
Tooth width L	9
Material	C45 steel unless shown

DIN 8187-ISO/R 606

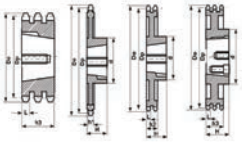
			Simplex 10B1					Duplex 10B2					Triplex 10B3				
No. teeth	De	Dp	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type
13	73	66.32	857197	1008	47	22	1	857220	1008	49	25.5	3	-	-	-	-	-
14	78	71.34	857198	1108	52	22	1	-	-	-	-	-	-	-	-	-	-
15	83	76.36	857199	1210	60	25	1	857221	1210	59	25.5	3	857238	1210	59	42.1	5
16	88	81.37	857200	1610	70	25	1	857222	1610	64	25.5	3	-	-	-	-	-
17	93	86.36	857201	1610	71	25	1	857223	1610	69	25.5	3	857239	1210	69	42.1	5
18	98.3	91.42	857202	1610	75	25	1	857224	1610	74	25.5	3	-	-	-	-	-
19	103.3	96.45	857203	1610	75	25	1	857225	1610	79	25.5	3	857240	1615	79	42.1	5
20	108.4	101.49	857204	1610	75	25	1	857226	1610	84	25.5	3	-	-	-	-	-
21	113.4	106.52	857205	1610	76	25	1	857227	1610	85	25.5	3	857241	1615	85	42.1	5
22	118	111.55	857206	1610	76	25	1	857228	1610	90	25.5	3	-	-	-	-	-
23	123.4	116.58	857207	1610	76	25	1	857229	1610	90	25.5	3	857242	2012	95	42.1	5
24	128.3	121.62	857208	1610	90	32	1	857230	2012	90	32	2	-	-	-	-	-
25	134	126.66	857209	2012	90	32	1	857231	2012	90	32	2	857243	2517	105	45	4
26	139	131.7	857210	2012	90	32	1	857232	2012	90	32	2	-	-	-	-	-
27	144	136.75	857211	2012	90	32	1	857233	2012	90	32	2	857244	2517	110	45	4
28	148.7	141.78	857212	2012	90	32	1	857234	2012	90	32	2	-	-	-	-	-
30	158.8	151.87	857213	2012	90	32	1	857235	2012	90	32	2	857245	2517	120	45	4
38	199.2	192.24	857214	2012	100	32	1	857236	2012	108	45	2	-	-	-	-	-
45	235	227.58	857215	2012	100	32	1 or 6	857237	2012		45	2	-	-	-	-	-
57	296	288.18	857216	2012	100	32	1 or 6	-	-	-	-	-	-	-	-	-	-
76	392.1	384.16	857217	2012	100	32	1 or 6	-	-	-	-	-	-	-	-	-	-
95	488.5	480.14	857218	2517	110	45	1 or 6	-	-	-	-	-	-	-	-	-	-
114	584.1	576.13	857219	2517	110	45	1 or 6	-	-	-	-	-	-	-	-	-	-

GG25 cast iron

12B TAPER BORED SPROCKETS



Type 1 Type 2 Type 3 Type 4



Type 5 Type 6 Type 7 Type 8

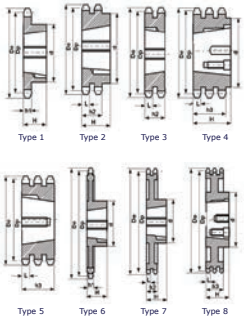
Common dimensions (mm) (unless shown)	
Chain pitch x width	3/4" x 7/16"
Radius width C	2
Tooth radius r	19
Tooth width h1	11.1
Tooth width h2	30.3
Tooth width h3	49.8
Tooth width L	10.8
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex 12B1					Duplex 12B2					Triplex 12B3				
No. teeth	De	Dp	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type
13	87.5	79.59	857247	1210	60	25	1	-	-	-	-	-	-	-	-	-	-
14	93.6	85.61	857248	1610	70	25	1	-	-	-	-	-	-	-	-	-	-
15	99.8	91.63	857249	1610	70	25	1	857270	1610	71	30.3	3	857291	1615	71	49.8	5
16	105.5	97.65	857250	1610	75	25	1	857271	1610	77	30.3	3	-	-	-	-	-
17	111.5	103.67	857251	1610	76	25	1	857272	1610	83	30.3	3	857292	2012	83	49.8	5
18	118	109.71	857252	2012	90	32	1	857273	2012	90	32	2	-	-	-	-	-
19	124.2	115.75	857253	2012	90	32	1	857274	2012	90	32	2	857293	2012	95	49.8	5
20	129.7	121.78	857254	2012	90	32	1	857275	2517	108	45	2	-	-	-	-	-
21	136	127.82	857255	2517	102	45	1	857276	2517	108	45	2	857294	2517	100	49.8	5
22	141.8	133.86	857256	2517	102	45	1	857277	2517	108	45	2	-	-	-	-	-
23	149	139.9	857257	2517	108	45	1	857278	2517	108	45	2	857295	2517	110	49.8	5
24	153.9	145.94	857258	2517	108	45	1	857279	2517	108	45	2	-	-	-	-	-
25	160	152	857259	2517	108	45	1	857280	2517	108	45	2	857296	2517		49.8	5
26	165.9	158.04	857260	2517	108	45	1	857281	2517	108	45	2	-	-	-	-	-
27	172.3	164	857261	2517	108	45	1	857282	2517	108	45	2	857297	3020	140	51	4
28	178	170.13	857262	2517	108	45	1	857283	2517	108	45	2	-	-	-	-	-
30	190.5	182.25	857263	2517	108	45	1	857284	2517	108	45	2	857298	3020	140	51	4
38	239	230.69	857264	2517	108	45	1	857285	3020	140	51	2	857299	3020	140	51	4
45	282.5	273.1	857265	2517	108	45	1 or 6	857286	3020	140	51	2 or 7	-	-	-	-	-
57	355.4	345.81	857266	2517	108	45	1 or 6	857287	3020	140	51	2 or 7	857300	3020	140	51	4 or 8
76	469.9	460.99	857267	2517	108	45	1 or 6	857288	3020	140	51	2 or 7	857301	3020	140	51	4 or 8
95	585.1	576.17	857268	2517	108	45	1 or 6	857289	3020	140	51	2 or 7	857302	3020	140	76	4 or 8
114	700.6	691.36	857269	2525	108	64	1 or 6	857290	3020	140	76	2 or 7	857303	3030	140	76	4 or 8

GG25 cast iron

16B TAPER BORED SPROCKETS



Type 1 Type 2 Type 3 Type 4

Type 5 Type 6 Type 7 Type 8

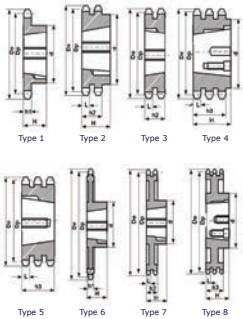
Common dimensions (mm) (unless shown)	
Chain pitch x width	1" x 17.02mm
Radius width C	2.5
Tooth radius r	26
Tooth width h1	16.2
Tooth width h2	47.7
Tooth width h3	79.6
Tooth width L	15.8
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex 16B1					Duplex 16B2					Triplex 16B3				
No. teeth	De	Dp	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type	RE code	Bush	d	H	Type
13	117	106.12	857305	1610	73	25	1	-	-	-	-	-	-	-	-	-	-
14	125	114.15	857306	1610	76	25	1	-	-	-	-	-	-	-	-	-	-
15	133	122.17	857307	1610	76	25	1	857328	2012	96	47.7	3	883123	2517		79.6	5
16	141	130.2	857308	2012	90	32	1	857329	2517	104	47.7	3	-	-	-	-	-
17	149	138.22	857309	2012	90	32	1	857330	2517	112	47.7	3	857349	3020	112	79.6	5
18	157	146.28	857310	2517	108	45	1	857331	2517	120	47.7	3	-	-	-	-	-
19	165.2	154.33	857311	2517	108	45	1	857332	2517	128	47.7	3	857350	3020	128	79.6	5
20	173.2	162.38	857312	2517	108	45	1	857333	2517	130	47.7	3	-	-	-	-	-
21	181.2	170.43	857313	2517	110	45	1	857334	3020	140	51	2	857351	3525	140	79.6	5
22	189.3	178.48	857314	2517	110	45	1	857335	3020	140	51	2	-	-	-	-	-
23	197.5	186.53	857315	2517	110	45	1	857336	3020	140	51	2	857352	3525	140	79.6	5
24	205.5	194.59	857316	2517	110	45	1	857337	3020	140	51	2	-	-	-	-	-
25	213.5	202.66	857317	2517	110	45	1	857338	3020	140	51	2	857353	3525	140	79.6	5
26	221.6	210.72	857318	2517	110	45	1	857339	3020	140	51	2	-	-	-	-	-
27	229.6	218.79	857319	2517	110	45	1	857340	3020	140	51	2	857354	3525	140	79.6	5
28	237.7	226.85	857320	2517	110	45	1	857341	3020	140	51	2	883124	3525	140	79.6	5
30	254	243	857321	3020	140	51	1	857342	3020	140	51	2	857355	3525	140	79.6	5
38	320.7	307.59	857322	3020	140	51	1	857343	3020	140	51	2	857356	3525	175	79.6	5
45	377.1	364.13	857323	3020	140	51	1 or 6	857344	3020	140	51	2 or 7	857357	4030	216	79.6	5 or 8
57	474	461.07	857324	3020	140	51	1 or 6	857345	3525	175	65	2 or 7	857358	4030	216	79.6	5 or 8
76	627	614.65	857325	3020	140	51	1 or 6	857346	3525	175	65	2 or 7	857359	4030	216	79.6	5 or 8
95	781.1	768.22	857326	3020	140	51	1 or 6	857347	3525	215	65	2 or 7	857360	4030	240	79.6	5 or 8
114	934.3	921.81	857327	3030	140	76	1 or 6	857348	4040	215	102	2 or 7	857361	4545	240	115	4 or 6

GG25 cast iron

20B TAPER BORED SPROCKETS



Type 1 Type 2 Type 3 Type 4

Type 5 Type 6 Type 7 Type 8

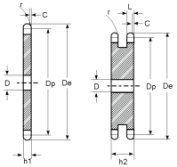
Common dimensions (mm) (unless shown)	
Chain pitch x width	1"1/4 x 3/4
Radius width C	3.5
Tooth radius r	32
Tooth width h1	18.5
Tooth width h2	-
Tooth width h3	-
Tooth width L	-
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex 20B1				
No. teeth	**De**	**Dp**	**RE code**	**Bush**	**d**	**H**	**Type**
13	147.8	132.65	857363	2012	90	32	1
15	167.9	152.72	857364	2517	108	45	1
17	187.9	172.78	857365	2517	108	45	1
19	208.1	192.91	857366	2517	108	45	1
21	228.2	213.04	857367	2517	108	45	1
23	248.3	233.17	857368	2517	108	45	1
25	268.5	253.33	857369	2517	108	45	1
27	288.6	273.4	857370	3020	150	51	1
30	318.9	303.75	857371	3020	150	51	1
38	399.6	384.49	857372	3020	160	51	1 or 6
45	470.3	455.17	857373	3020	160	51	1 or 6
57	591.5	576.36	857374	3020	160	51	1 or 6
76	783.5	768.32	857375	3020	160	51	1 or 6

GG25 cast iron

Platewheels



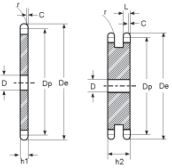
Common dimensions (mm) (unless shown)	
Chain pitch x width	3/8" x 7/32"
Radius width C	1
Tooth radius r	10
Tooth width h1	5.3
Tooth width h2	15.4
Tooth width L	5.2
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
8	28	24.89	877465	6	877528	8
9	31	27.85	877466	8	877529	8
10	34	30.82	866145	7	877530	8
11	37	33.8	877467	8	877531	10
12	40	36.8	877468	8	877532	10
13	43	39.8	866146	8	877533	10
14	46.3	42.8	877469	8	877534	10
15	49.3	45.81	877470	8	877535	10
16	52.3	48.82	866147	10	877536	12
17	55.3	51.83	866148	10	877537	12
18	58.3	54.85	877471	10	877538	12
19	61.3	57.87	877472	10	877539	12
20	64.3	60.89	866149	10	877540	12
21	68	63.91	877473	10	877541	12
22	71	66.93	877474	10	877542	12
23	73.5	69.95	877475	10	877543	12
24	77	72.97	877476	10	877544	12
25	80	76.02	877477	10	877545	12
26	83	79.02	877478	10	877546	12
27	86	82.02	877479	10	877547	12
28	89	85.07	877480	10	877548	12
29	92	88.09	877481	10	877549	12
30	94.7	91.12	877482	10	877550	12
31	98.3	94.15	877483	12	877551	14
32	101.3	97.17	877484	12	877552	14
33	104.3	100.2	877485	12	877553	14
34	107.3	103.23	877486	12	877554	14
35	110.4	106.26	877487	12	877555	14
36	113.4	109.29	877488	12	877556	14
38	119.5	115.34	866150	12	877558	14

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
39	122.5	118.37	877490	12	877559	14
40	125.5	121.4	877491	12	877560	14
41	128.5	124.43	877492	16	877561	16
42	131.6	127.46	866151	16	877562	16
43	134.6	130.49	877493	16	877563	16
45	140.7	136.55	877495	16	877565	16
47	146.7	142.61	877497	16	877567	16
48	149.7	145.64	877498	16	877568	16
49	152.7	148.66	877499	16	877569	16
50	155.7	151.69	877500	16	877570	16
51	158.7	154.72	877501	16	877571	16
52	161.8	157.75	877502	16	877572	16
53	164.8	160.78	877503	16	877573	16
54	167.8	163.82	877504	16	877574	16
55	170.8	166.85	877505	16	877575	16
56	173.8	169.88	877506	16	877576	16
57	176.9	172.91	877507	16	877577	16
58	179.9	175.93	877508	16	877578	16
59	183	178.96	877509	16	877579	16
60	186	181.99	866152	16	877580	16
62	192.1	188.06	877510	20	877581	20
64	198.2	194.12	877511	20	877582	20
65	201.6	197.15	877512	20	877583	20
66	204.6	200.18	877513	20	877584	20
70	216.7	212.30	866153	20	877586	20
76	241	236.55	877518	20	877590	20
78	247.1	242.61	877519	20	877591	20
80	262.2	257.73	877520	20	877592	20
85	277.4	272.93	877521	20	877593	20
90	292.5	288.04	877522	20	877594	20

08B PLATEWHEELS

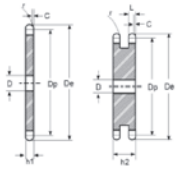


Common dimensions (mm) (unless shown)		
Chain pitch x width		1/2" x 1/8"
Radius width	C	1.3
Tooth radius	r	13
Tooth width	h1	7.2
Tooth width	h2	21
Tooth width	L	7
Material		C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
8	37.20	33.18	866154	8	877929	10
9	41.00	37.13	877882	8	877930	10
10	45.20	41.10	866155	8	877931	10
11	48.70	44.62	877883	10	877932	10
12	53.00	49.07	866156	10	877933	10
13	57.40	53.06	866157	10	877934	10
14	61.80	57.07	866158	10	866179	10
15	65.50	61.09	866159	10	877935	10
16	69.50	65.10	866160	10	877936	12
17	73.60	69.11	866161	10	877937	12
18	77.80	73.14	877884	10	877938	12
19	81.70	77.16	866162	10	877939	12
20	85.80	81.18	877885	10	877940	12
21	89.70	85.22	866163	12	877941	16
22	93.80	89.24	866164	12	877942	16
23	98.20	93.27	866165	12	877943	16
24	101.80	97.29	866166	12	877944	16
25	105.80	101.33	866167	12	877945	16
26	110.00	105.36	866168	16	877946	16
27	114.00	109.40	866169	16	877947	16
28	118.00	113.42	866170	16	877948	16
29	122.00	117.29	877886	16	877949	16
30	126.10	121.50	866171	16	877950	16
31	130.20	125.54	866172	16	877951	16
32	134.30	129.57	877887	16	877952	16
33	138.40	133.45	877888	16	877953	16
34	142.60	137.64	877889	16	877954	16
35	146.70	141.68	866173	16	877955	16
36	151.00	145.72	866174	16	877956	20
38	158.60	153.80	866175	16	877958	20

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
39	162.70	157.70	877891	16	877959	20
40	166.80	161.87	866176	16	877960	20
41	171.40	165.78	877892	20	877961	20
42	175.40	169.95	877893	20	877962	20
43	179.70	173.87	877894	20	877963	20
47	196.20	190.04	877898	20	877967	20
48	200.30	194.18	877899	20	877968	20
49	204.30	198.12	877900	20	877969	20
50	208.30	202.26	877901	20	877970	20
51	212.10	206.20	877902	20	877971	25
52	216.10	210.34	877903	20	877972	25
53	220.20	214.29	877904	20	877973	25
54	224.10	218.42	877905	20	877974	25
55	228.10	222.46	866177	20	877975	25
56	232.20	226.50	877906	20	877976	25
57	236.40	230.54	877907	20	877977	25
58	240.50	234.58	877908	20	877978	25
59	244.50	238.54	877909	20	877979	25
62	256.90	250.74	877910	20	877981	25
64	265.10	258.83	877911	25	877982	25
65	269.00	262.79	877912	25	877983	25
66	273.00	266.91	877913	25	877984	25
68	281.00	274.99	877914	25	877985	25
70	289.00	283.07	877915	25	877986	25
76	313.20	307.32	877918	25	877989	25
78	321.40	315.40	877919	25	877990	25
80	329.40	323.49	877920	25	877991	25
85	349.00	343.64	877921	25	877992	25
90	369.90	363.90	877922	25	877993	25



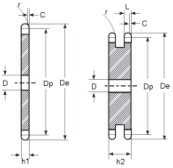
Common dimensions (mm) (unless shown)	
Chain pitch x width	5/8" x 3/8"
Radius width C	1.6
Tooth radius r	16
Tooth width h1	9.1
Tooth width h2	25.5
Tooth width L	9
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
8	47.00	41.48	878069	10	878133	10
9	52.60	45.71	878070	10	878134	10
10	57.50	51.37	866183	10	878135	10
11	63.00	55.77	878071	10	878136	10
12	68.00	61.34	878072	10	878137	10
13	73.00	66.32	878073	10	878138	10
14	78.00	71.34	866184	10	866191	12
15	83.00	75.94	878074	12	878139	12
16	88.00	81.37	866185	12	878140	12
17	93.00	86.39	866186	12	866192	12
18	98.30	91.42	878075	12	878141	12
19	103.30	96.12	878076	12	878142	12
20	108.40	101.49	878077	12	878143	12
21	113.40	106.21	878078	12	878144	16
22	118.00	111.55	878079	16	878145	16
23	123.40	116.58	866187	12	878146	16
24	128.30	121.62	878080	16	878147	16
25	134.00	126.66	866188	16	878148	16
26	139.00	131.70	878081	16	878149	16
27	144.00	136.75	866189	16	878150	16
28	148.70	141.79	878082	16	878151	16
29	153.80	146.61	878083	16	878152	16
30	158.80	151.87	866190	16	878153	16
31	163.90	156.71	878084	16	878154	20
32	168.90	161.96	878085	16	878155	20
33	174.50	166.82	878086	16	878156	20
34	179.00	172.05	878087	16	878157	20
35	184.10	176.92	878088	20	878158	20
36	189.10	182.14	878089	20	878159	20
38	199.20	192.24	878091	20	878161	20
39	204.20	197.13	878092	20	878162	20

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
40	209.30	202.33	878093	20	878163	20
41	214.80	207.23	878094	20	878164	20
42	219.90	212.43	878095	20	878165	20
43	224.90	217.34	878096	20	878166	20
44	230.00	222.53	878097	20	878167	20
45	235.00	227.44	878098	20	878168	20
46	240.10	232.63	878099	20	878169	25
47	245.10	237.54	878100	20	878170	25
48	250.20	242.73	878101	20	878171	25
49	255.20	247.65	878102	20	878172	25
50	260.30	252.83	878103	20	878173	25
51	265.30	257.75	878104	20	878174	25
52	270.40	262.92	878105	20	878175	25
53	275.40	267.86	878106	20	878176	25
54	280.50	273.02	878107	20	878177	25
55	285.50	277.96	878108	20	878178	25
56	290.60	283.13	878109	25	878179	25
57	296.00	288.07	878110	25	878180	25
58	300.70	293.23	878111	25	878181	25
59	305.70	298.17	878112	25	878182	25
60	310.80	303.33	878113	25	878183	25
62	321.40	313.43	878114	25	878184	25
64	331.50	323.53	878115	25	878185	25
65	336.50	328.49	878116	25	878186	25
66	341.60	333.64	878117	25	878187	25
70	361.80	353.84	878119	25	878189	25
76	392.10	384.15	878122	25	878192	25
78	402.20	394.25	878123	25	878193	25
80	412.30	404.36	878124	25	878194	25
85	437.60	429.55	878125	30	878195	30
90	462.80	454.88	878126	30	878196	30

12B PLATEWHEELS

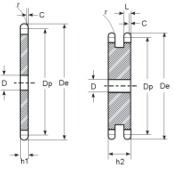


Common dimensions (mm) (unless shown)		
Chain pitch x width		3/4" x 7/16"
Radius width	C	2
Tooth radius	r	19
Tooth width	h1	11.1
Tooth width	h2	30.3
Tooth width	L	10.8
Material		C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
8	57.60	49.78	878272	10	878336	12
9	62.00	54.85	878273	10	878337	12
10	69.00	61.65	878274	10	878338	12
11	75.00	66.93	878275	12	878339	14
12	81.50	73.60	866194	14	878340	14
13	87.50	79.59	866195	14	878341	14
14	93.60	85.61	866196	14	878342	14
15	99.80	91.63	866197	14	878343	14
16	105.50	97.65	878276	14	878344	16
17	111.50	103.23	878277	14	878345	16
18	118.00	109.71	878278	14	878346	16
19	124.20	115.75	866198	16	878347	16
20	129.70	121.78	878279	14	878348	16
21	136.00	127.82	866199	16	878349	16
22	141.80	133.86	878280	16	878350	16
23	149.00	139.58	878281	16	878351	16
24	153.90	145.95	878282	16	878352	16
25	160.00	152.00	866200	16	878353	16
26	165.90	158.04	878283	16	878354	20
27	172.30	163.81	878284	16	878355	20
28	178.00	170.14	878285	16	878356	20
29	184.10	176.19	866201	16	878357	20
30	190.50	182.25	878286	16	878358	20
31	196.30	188.06	878287	20	878359	20
32	203.30	194.35	878288	20	878360	20
33	209.30	200.18	878289	20	878361	20
34	214.60	206.46	878290	20	878362	20
35	221.00	212.30	878291	20	878363	20
36	226.80	218.57	878292	20	878364	25
38	239.00	230.69	878294	25	878366	25

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
39	245.10	236.55	878295	20	878367	25
40	251.30	242.80	878296	20	878368	25
41	257.30	248.68	878297	25	878369	25
42	264.50	254.92	878298	25	878370	25
43	270.50	260.80	878299	25	878371	25
45	282.50	272.93	878301	25	878373	25
47	294.00	285.05	878303	25	878375	25
48	300.10	291.27	878304	25	878376	25
49	306.20	297.18	878305	25	878377	25
50	312.30	303.39	878306	25	878378	25
51	318.40	309.30	878307	25	878379	25
52	324.50	315.51	878308	25	878380	25
53	330.50	321.43	878309	25	878381	25
54	336.60	327.63	878310	25	878382	25
55	342.70	333.55	878311	25	878383	25
56	348.70	339.75	878312	25	878384	25
57	355.40	345.68	878313	25	878385	25
58	361.50	351.87	878314	25	878386	25
59	367.50	357.81	878315	25	878387	25
60	373.00	363.99	878316	25	878388	25
62	385.10	376.12	878317	25	878389	30
64	397.20	388.24	878318	25	878390	30
65	403.20	394.19	878319	25	878391	30
66	409.30	400.36	878320	30	878392	30
70	433.60	424.61	878322	30	878394	30
76	469.90	460.98	878325	30	878397	30
78	482.10	473.10	878326	30	878398	30
80	494.20	485.23	878327	30	878399	30
85	524.50	515.45	878328	30	878400	30
90	554.80	545.85	878329	30	878401	30



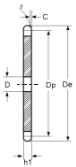
Common dimensions (mm) (unless shown)		
Chain pitch x width		1" x 17.02mm
Radius width	C	2.5
Tooth radius	r	26
Tooth width	h1	16.2
Tooth width	h2	47.7
Tooth width	L	15.8
Material		C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
8	77.00	66.37	866204	12	878544	16
9	85.00	73.14	878478	12	878545	16
10	93.00	82.19	866205	15	878546	16
11	101.50	89.24	878479	16	878547	20
12	109.00	98.14	866206	15	878548	20
13	117.00	105.36	878480	16	878549	20
14	125.00	114.15	878481	16	878550	20
15	133.00	122.17	866207	15	878551	20
16	141.00	130.20	878482	20	878552	20
17	149.00	138.22	866208	19	878553	20
18	157.00	146.27	878483	20	878554	20
19	165.20	153.79	878484	20	878555	20
20	173.20	162.37	878485	20	878556	20
21	181.20	169.94	878486	20	878557	25
22	189.30	178.48	878487	20	878558	25
23	197.50	186.10	878488	20	878559	25
24	205.50	194.60	878489	20	878560	25
25	213.50	202.66	866209	20	878561	25
26	221.60	210.72	878490	20	878562	25
27	229.60	218.42	878491	20	878563	25
28	237.70	226.86	878492	20	878564	25
29	245.80	234.58	878493	20	878565	25
30	254.00	243.00	878494	20	878566	25
31	262.00	250.74	878495	25	878567	25
32	270.00	259.14	878496	25	878568	25
33	278.50	266.91	878497	25	878569	25
34	287.00	275.29	878498	25	878570	25
35	296.20	283.07	878499	25	878571	25
36	304.60	291.43	878500	25	878572	25
38	320.70	307.58	878502	25	878574	25

			Simplex		Duplex	
No. teeth	De	Dp	RE code	D	RE code	D
39	328.80	315.40	878503	25	878575	25
40	336.90	323.74	878504	25	878576	25
41	345.00	331.57	878505	25	878577	25
42	353.00	339.89	878506	25	878578	25
43	361.10	347.74	878507	25	878579	25
45	377.10	363.90	878509	25	878580	25
47	393.20	380.07	878511	25	-	-
48	401.30	388.36	878512	25	878582	25
49	409.30	396.24	878513	25	-	-
50	417.40	404.52	878514	25	878583	25
51	425.50	412.40	878515	30	878584	30
52	433.60	420.68	878516	30	878585	30
53	441.70	428.57	878517	30	-	-
54	448.30	436.84	878518	30	-	-
55	457.90	444.74	878519	30	878586	30
56	466.00	453.00	878520	30	878587	30
57	474.00	460.91	878521	30	878588	30
58	482.10	469.16	878522	30	-	-
59	490.20	477.08	878523	30	-	-
60	498.30	485.33	878524	30	878589	30
62	514.50	501.49	878525	30	878590	30
64	530.70	517.65	878526	30	-	-
65	538.80	525.58	878527	30	878591	30
66	546.80	533.82	878528	30	-	-
70	579.20	566.15	878530	30	878594	30
76	627.00	614.64	878533	30	878597	30
78	643.30	630.81	878534	30	-	-
80	660.00	646.97	878535	30	878598	30
85	699.90	687.27	878536	30	878599	30
90	740.30	727.80	878537	30	878600	30

20B PLATEWHEELS

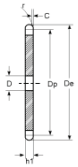


Common dimensions (mm) (unless shown)	
Chain pitch x width	1"1/4 x 3/4"
Radius width C	3.5
Tooth radius r	32
Tooth width h1	18.5
Tooth width h2	54.6
Tooth width L	18.2
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex	
No. teeth	De	Dp	RE code	D
8	98.10	82.97	878666	16
9	108.00	91.42	878667	16
10	117.90	102.75	878668	16
11	127.80	111.55	878669	16
12	137.80	122.67	878670	20
13	147.80	131.70	878671	20
14	157.80	142.68	878672	20
15	167.90	151.88	878673	20
16	177.90	162.74	878674	20
17	187.90	172.05	878675	20
18	198.00	182.84	878676	20
19	208.10	192.24	878677	20
20	218.10	202.96	878678	20
21	228.20	212.43	878679	25
22	238.30	223.10	878680	25
23	248.30	232.63	878681	25
24	258.40	243.25	878682	25
25	268.50	252.83	878683	25
26	278.60	263.40	878684	25
27	288.60	273.02	878685	25
28	298.70	283.57	878686	25
29	308.80	293.23	878687	25
30	318.90	303.75	878688	25
31	329.00	313.43	878689	25
32	339.10	323.92	878690	25
33	349.20	333.64	878691	25
34	359.30	344.11	878692	25
35	369.40	353.84	878693	25
36	379.50	364.29	878694	25
38	399.60	384.48	878696	25

			Simplex	
No. teeth	De	Dp	RE code	D
39	409.70	394.25	878697	25
40	419.80	404.67	878698	25
41	429.90	414.46	878699	30
42	440.00	424.86	878700	30
43	270.50	260.80	878299	25
45	470.30	454.88	878703	30
47	490.50	475.09	878705	30
48	500.60	485.45	878706	30
49	510.70	495.30	878707	30
50	520.80	505.65	878708	30
51	530.90	515.51	878709	30
52	541.00	525.85	878710	30
53	551.10	535.71	878711	30
54	561.20	546.05	878712	30
55	571.30	555.92	878713	30
56	581.40	566.25	878714	30
57	591.50	576.14	878715	30
58	601.60	586.45	878716	30
59	611.70	596.34	878717	30
60	621.80	606.66	878718	30
62	642.00	626.86	878719	30
64	662.20	647.07	878720	30
65	672.30	656.98	878721	30
66	682.40	667.27	878722	30
70	722.80	707.68	878724	30
76	783.30	768.30	878727	30
80	823.90	808.71	878728	30
85	874.40	859.09	878729	30
90	924.90	909.75	878730	30



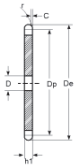
Common dimensions (mm) (unless shown)		
Chain pitch x width		1"1/2 x 1"
Radius width	C	4
Tooth radius	r	38
Tooth width	h1	24.1
Tooth width	h2	72
Tooth width	L	23.6
Material		C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex	
No. teeth	**De**	**Dp**	**RE code**	**D**
8	115.00	99.56	878830	20
9	126.40	109.70	878831	20
10	138.00	123.29	878832	20
11	150.00	133.86	878833	20
12	162.00	147.21	878834	20
13	174.20	158.04	878835	20
14	186.20	171.22	878836	20
15	198.20	182.26	878837	20
16	210.30	195.29	878838	25
17	222.30	206.46	878839	25
18	234.30	219.41	878840	25
19	246.50	230.69	878841	25
20	258.60	243.55	878842	25
21	270.60	254.92	878843	25
22	282.70	267.72	878844	25
23	294.80	279.15	878845	25
24	306.80	291.90	878846	25
25	319.00	303.39	878847	25
26	331.00	316.09	878848	30
27	343.20	327.63	878849	30
28	355.20	340.29	878850	30
29	367.30	351.87	878851	30
30	379.50	364.50	878852	30
31	391.60	376.12	878853	30
32	403.70	388.71	878854	30
33	415.80	400.36	878855	30
34	427.80	412.93	878856	30
35	440.00	424.61	878857	30
36	452.00	437.15	878858	30
38	476.20	461.38	878860	30

			Simplex	
No. teeth	**De**	**Dp**	**RE code**	**D**
39	488.50	473.10	878861	30
40	500.60	485.60	878862	30
41	512.60	497.35	878863	30
42	524.70	509.84	878864	30
43	536.80	521.60	878865	30
45	561.20	545.85	878867	30
47	585.40	570.11	878869	30
48	597.40	582.54	878870	30
49	609.50	594.36	878871	30
50	621.70	606.78	878872	30
51	633.80	618.61	878873	30
52	646.00	631.02	878874	30
53	658.00	642.86	878875	30
54	670.20	655.26	878876	30
55	682.30	667.11	878877	30
56	694.40	679.50	878878	30
57	706.50	691.36	878879	30
58	718.60	703.75	878880	30
59	730.70	715.61	878881	30
60	742.80	727.99	878882	30
62	767.20	752.23	878883	40
64	791.30	776.48	878884	40
65	803.40	788.37	878885	40
66	815.60	800.72	878886	40
70	864.20	849.22	878888	40
76	936.90	921.96	878891	40
80	985.40	970.46	878892	40
85	1046.00	1030.91	878893	40

28B PLATEWHEELS



Common dimensions (mm) (unless shown)	
Chain pitch x width	1"3/4 x 1"1/4
Radius width C	5
Tooth radius r	44
Tooth width h1	29.4
Tooth width L	28.8
Material	C45 steel unless shown

DIN 8187-ISO/R 606

			Simplex	
No. teeth	**De**	**Dp**	**RE code**	**D**
8	132.00	116.15	878981	20
9	148.40	127.99	878982	20
10	162.30	143.84	878983	25
11	176.30	156.17	878984	25
12	189.50	171.74	878985	25
13	204.20	184.38	878986	25
14	218.20	199.76	878987	25
15	232.30	212.64	878988	25
16	246.30	227.84	878989	30
17	260.30	240.87	878990	30
18	274.00	255.98	878991	30
19	289.00	269.14	878992	30
20	303.00	284.15	878993	30
21	317.00	297.40	878994	30
22	331.00	312.34	878995	30
23	345.00	325.68	878996	30
24	359.00	340.54	878997	30
25	373.00	353.96	878998	30
26	387.00	368.77	878999	30
27	401.40	382.23	879000	30
28	416.00	397.00	879001	30
29	430.00	410.52	879002	30
30	444.00	425.24	879003	30
31	458.00	438.80	879004	30
32	472.00	453.49	879005	30
33	486.00	467.09	879006	30
34	500.00	481.75	879007	30
35	514.00	495.38	879008	30
36	529.00	510.01	879009	30
38	557.00	538.27	879011	30
39	571.00	551.95	879012	30
40	585.00	566.54	879013	30
45	656.00	636.83	879014	30
50	726.00	707.91	879015	30
57	825.00	806.59	879016	30
60	869.00	849.32	879017	30
76	1095.00	1075.62	879018	30

Stainless Steel Sprockets

These stainless steel sprockets are dimensionally the same as standard steel sprockets.

	Pitch / RE code							
No. teeth	**06B1**	**08B1**	**08B2**	**10B1**	**10B2**	**12B1**	**16B1**	**16B2**
11	-	-	-	-	-	894601	-	-
12	894549	894564	-	894586	-	894602	894617	-
13	894550	894565	-	894587	-	894603	894618	-
14	894551	894566	-	894588	-	894604	894619	-
15	894552	894567	894582	894589	-	894605	894620	-
16	894553	894568	-	894590	-	894606	894621	-
17	894554	894569	-	894591	894599	894607	894622	894630
18	894555	894570	-	894592	-	894608	894623	-
19	894556	894571	894583	-	-	-	894624	-
20	894557	894572	-	894593	-	894609	894625	-
21	894558	894573	-	894594	-	894610	894626	-
22	894559	894574	-	-	-	894611	894627	-
23	-	894575	-	894595	-	894612	894628	-
24	894560	894576	-	894596	-	-	-	-
25	894561	894577	894584	894597	-	894613	894629	-
26	-	894578	-	-	-	-	-	-
28	-	-	-	-	-	894614	-	-
30	894562	894579	-	894598	-	894615	-	-
38	-	894580	-	-	-	-	-	-
40	-	894581	-	-	-	-	-	-

HARDENED TEETH SPROCKETS

Mecaline offer a range of flame hardened tooth sprockets in both pilot bore and taper bore versions. These hardened teeth sprockets are dimensionally the same as standard steel sprockets.

Hardened teeth sprockets - pilot bore type

No. teeth	04-1	05B-1	05B-2	06B-1	06B-2	06B-3	08B-1	08B-2	08B-3	10B-1	10B-2	10B-3	12B-1	12B-2	12B-3
8	886881	886892	-	886919	886952	-	886991	887026	-	887078	-	-	887143	-	-
9	886882	886893	-	886920	886953	-	886992	887027	-	-	-	-	-	-	887205
10	886883	886894	-	886921	886954	886973	886993	-	-	-	-	-	887144	887178	-
11	-	886895	-	886922	886955	886974	886994	887028	887057	887079	887108	887128	887145	887179	887206
12	886884	886896	-	886923	886956	886975	886995	-	-	887080	887109	-	887146	887180	887207
13	886885	886897	-	886924	886957	886976	886996	887029	887058	887081	887110	887129	887147	887181	887208
14	-	886898	-	886925	886958	-	886997	887030	887059	887082	-	-	887148	-	887209
15	886886	886899	-	886926	886959	886977	886998	887031	887060	887083	887111	887130	887149	887182	887210
16	-	886900	-	886927	886960	886978	886999	887032	887061	887084	887112	-	887150	887183	887211
17	-	886901	886915	886928	886961	886979	887000	887033	887062	887085	887113	887131	887151	887184	887212
18	-	886902	-	886929	886962	-	887001	887034	887063	887086	887114	887132	887152	887185	887213
19	-	886903	-	886930	886963	886980	887002	887035	887064	887087	887115	887133	887153	887186	887214
20	-	886904	-	886931	886964	886981	887003	887036	887065	887088	887116	887134	887154	887187	887215
21	-	886905	886916	886932	886965	886982	887004	887037	887066	887089	887117	887135	887155	887188	887216
22	886887	886914	-	886933	-	-	887005	887038	-	887090	887118	-	887156	887189	887217
23	-	-	-	886934	-	886983	887006	887039	887067	887091	887119	887136	887157	887190	887218
24	-	886906	886917	886935	-	886984	887007	887040	887068	887092	887120	887137	887158	887191	-
25	-	886907	-	886936	-	-	887008	887041	887069	887093	887121	887138	887159	887192	-
26	-	-	-	886937	-	886985	887009	887042	-	887094	887122	-	887160	887193	-
27	-	-	-	886938	-	886986	887010	887043	-	887095	-	-	887161	887194	887219
28	-	886908	-	886939	-	-	887011	887044	-	887096	887123	-	887162	887195	-
29	-	-	-	886940	-	-	887012	887045	-	887097	887124	-	887163	887196	-
30	-	886909	-	886941	886966	886987	887013	887046	887070	887098	887125	887139	887164	887197	887220
31	-	-	-	886942	886967	-	887014	-	887071	887099	-	-	887165	887198	-
32	-	886910	-	886943	-	886988	887015	887047	887072	887100	887126	-	887166	887199	-
33	-	-	-	-	-	-	887016	887048	-	887101	-	-	887167	-	-
34	-	-	-	886944	886968	-	-	887049	-	-	-	-	887168	887200	887221
35	-	-	-	-	886969	-	887017	887050	-	887102	-	-	887169	-	-
36	-	886911	-	886945	-	-	887018	887051	887073	-	-	-	887170	-	-
37	-	-	-	886946	-	-	887019	-	887074	-	-	-	-	887201	-
38	-	-	-	886947	886970	886989	887020	887052	887075	887103	887127	-	887171	887202	-
39	-	-	-	-	-	-	887021	-	-	-	-	-	887172	-	-
40	886888	886912	-	886948	886971	-	887022	887053	-	887104	-	887140	887173	-	-
42	-	-	-	886949	-	-	887023	887054	-	-	-	-	-	-	-
45	-	886913	-	-	886972	-	887024	-	-	-	-	-	887174	-	-
48	-	-	-	-	-	-	-	-	-	887105	-	-	-	-	-
50	886889	-	-	-	-	-	-	-	-	-	-	-	887175	-	-
57	-	-	-	886950	-	-	-	-	887076	887106	-	887141	887176	887203	-
76	-	-	-	-	-	-	887025	887055	-	887107	-	-	887177	-	-
95	-	-	-	-	-	-	-	-	-	-	-	-	-	887204	-
114	886890	-	-	886951	-	-	-	887056	-	-	-	-	-	-	-

Hardened teeth sprockets - taper bore type

No. teeth	06B-1	06B-2	06B-3	08B-1	08B-2	08B-3	10B-1	10B-2	10B-3	12B-1	12B-2	16B-1	16B-2	16B-3	20B-1
13	-	-	-	-	-	-	-	-	-	887478	-	887505	-	-	887532
14	-	-	-	-	-	-	887454	-	-	887479	-	887506	-	-	-
15	-	-	-	887427	887443	-	887455	-	-	887480	887486	887507	887522	-	-
16	-	-	-	887428	-	-	887456	-	-	887481	-	887508	-	-	-
17	887413	-	887424	887429	-	-	887457	887469	-	887482	887487	887509	887523	-	-
18	-	-	-	887430	-	-	887458	887470	-	887483	887488	887510	-	-	-
19	887414	887421	-	887431	887444	887450	887459	887471	887476	887484	-	887511	887524	-	887533
20	-	-	-	-	887445	-	887460	-	-	887485	-	887512	-	-	-
21	-	-	-	887432	887446	-	887461	887472	-	887489	-	887513	887525	887530	887534
22	-	-	-	887433	-	-	-	-	-	887490	-	-	887526	-	-
23	887415	887422	887425	887434	-	-	887462	-	-	887491	-	887514	-	-	-

Hardened teeth sprockets - pilot bore type														
No. teeth	16B-1	16B-2	16B-3	20B-1	20B-2	20B-3	24B-1	24B-2	24B-3	28B-1	28B-2	32B-1	32B-2	32B-3
8	887223	-	-	887295	-	-	887337	-	-	-	-	-	-	-
9	887224	-	-	-	-	-	-	-	-	-	-	-	-	-
10	887225	887257	-	-	-	-	887338	-	-	-	-	-	-	-
11	887226	887258	887281	887296	887313	887326	887339	887357	887371	-	-	887386	887397	887402
12	887227	887259	-	887297	887314	-	-	-	-	-	-	887387	-	-
13	887228	887260	887282	887298	887315	887327	887340	887358	887372	-	-	887388	887398	887403
14	887229	887261	-	887299	887316	-	887341	-	-	-	-	-	-	-
15	887230	887262	887283	887300	887317	887328	887342	887359	887373	-	-	887389	887399	887404
16	887231	887263	887284	887301	-	-	887343	-	-	-	-	-	-	-
17	887232	887264	887285	887302	887318	887329	887344	887360	887374	-	-	887390	887400	887405
18	887233	887265	-	887303	-	-	-	-	-	-	-	-	-	-
19	887234	887266	887286	887304	887319	887330	887345	887361	887375	-	-	887391	887401	887406
20	887235	887267	887287	887305	887320	887331	887346	887362	887376	-	-	887392	-	887407
21	887236	887268	887288	887306	887321	887332	887347	887363	887377	-	-	887393	-	887408
22	-	-	-	-	-	-	887348	887364	-	-	-	-	-	-
23	887237	887269	887289	887307	887322	887333	887349	887365	887378	-	887383	887394	-	887409
24	887238	-	887290	-	-	-	887350	-	-	-	-	-	-	-
25	887239	887270	887291	887308	887323	887334	887351	887366	887379	887382	887384	887395	-	887410
26	887240	887271	-	-	-	-	887352	887367	-	-	-	-	-	-
27	887241	887272	-	887309	-	-	-	-	-	-	-	-	-	-
28	887242	-	887292	-	-	-	-	-	-	-	-	-	-	-
29	887243	-	-	-	-	-	887353	-	-	-	-	-	-	-
30	887244	887273	887293	887310	887324	887335	887354	887368	887380	-	-	887396	-	887411
31	887245	887274	-	-	-	-	-	-	-	-	-	-	-	-
32	887246	887275	-	-	-	-	-	-	-	-	-	-	-	-
33	887247	-	-	887311	-	-	-	-	-	-	-	-	-	-
34	887248	-	-	-	-	-	887355	-	-	-	-	-	-	-
35	887249	-	-	-	887325	-	-	-	-	-	-	-	-	-
36	887250	-	-	-	-	-	-	-	-	-	-	-	-	-
37	887251	887276	-	-	-	-	-	-	-	-	-	-	-	-
38	887252	887277	-	-	-	-	887356	887369	-	-	-	-	-	-
39	887253	-	-	-	-	-	-	-	-	-	-	-	-	-
40	-	887278	-	-	-	-	-	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
45	887254	887279	-	-	-	-	-	-	-	-	-	-	-	-
48	887255	-	-	-	-	-	-	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
57	887256	887280	-	-	-	-	-	-	-	-	-	-	-	-
76	-	-	-	887312	-	-	-	887370	-	-	-	-	-	-
95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Hardened teeth sprockets - taper bore type														
No. teeth	06B-1	06B-2	08B-1	08B-2	08B-3	10B-1	10B-2	12B-1	12B-2	12B-3	16B-1	16B-2	20B-1
24	887416	-	887435	-	-	-	-	887492	-	-	887515	-	-
25	887417	-	887436	887447	887451	887463	887473	887493	887497	-	887516	887527	-
26	-	-	-	-	-	887464	-	-	-	-	-	-	-
27	-	-	887437	-	-	887465	-	887494	-	-	887517	-	-
28	-	-	887438	-	-	-	887474	-	-	-	-	-	-
30	887418	-	887439	887448	-	887466	-	887495	887498	-	887518	-	-
38	887419	-	887440	887449	887452	887467	887475	-	887499	887503	887519	887528	887535
45	-	-	887441	-	-	887468	-	-	887500	-	887520	-	-
57	-	-	887442	-	-	-	-	-	-	-	887521	887529	-
76	887420	887423	-	-	-	-	-	887496	-	-	-	-	-
95	-	-	-	-	-	-	-	-	887501	-	-	-	-

Installation, fitting, and removal of taper bushes to pulleys and sprockets

Before you begin any maintenance work, check the machine is switched off and machine components are secured in a locked position to prevent unexpected movement and potential injury to you or others.

Prior to any installation, ensure all components are wiped down and cleaned from any dirt, residue or oil. Confirm that the pulleys are undamaged checking pulley is right size for the application required.

Installation and fitting:

1. Insert the Mecaline taper bush into the hub so that the connecting bores are all lined up ensuring grub screw holes all line up. Then, loosely place screws in the threaded holes.

Tip: A small amount of oil should be applied in the thread and under the cap screw heads.

To fit a key, place it in the shaft keyway before fitting the taper bush. Ensure that the key has top clearance, is parallel and has side fitting (do not use taper or top fitting keys).

If you are not fitting a key, position the keyways on the taper bush and hub opposite to each other.

2. Clean and degrease the shaft. Fit hub and taper bush together onto the shaft so that it fits in the desired position.

Tip: The bush will nip the shaft first and then draw the hub slightly on to the bush.

3. Tighten the screws gradually using a hexagon wrench, alternating between them until desired torque setting shown in table below. Hammer the large end of the taper bush using a block or sleeve to avoid damage and ensure the bush is seated squarely in the bore. Screws will turn a little more.

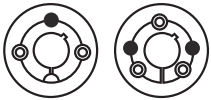
4. Repeat alternate hammering and tightening until the maximum grip, or tightening torque, is achieved.

5. After running the loaded drive for a short while, stop to check screw tightness.

6. Fill any empty holes with grease to prevent dirt build up and corrosion.

Removal:

1. Loosen all screws and remove from bush.



2. Apply a little amount of oil to the screws and insert one grub screw or two cap head screws into the removal holes.

3. Tighten the screws alternately until the assembly slackens in the hub.

   Tip: If the taper bush doesn't loosen, try tapping the hub lightly.

4. Remove the assembled hub and taper bush from the shaft.

Bush size series	Screw tightening torque (Nm))	No of screws	Hex socket size (mm)	Large end diameter (mm)	Bush length (mm)	Approx mass (Kg)
1008	5.6	2	3	35	22.3	0.1
1108	5.6	2	3	38	22.3	0.1
1210	20	2	5	47.5	25.4	0.2
1610	20	2	5	57	25.4	0.3
1615	20	2	5	57	38.1	0.5
2012	30	2	6	70	31.8	0.7
2517	50	2	6	85.5	44.5	1.5
3020	90	2	8	108	50.8	2.7
3030	90	2	8	108	76.2	3.65
3525	115	3	10	127	63.5	3.9
3535	115	3	10	127	89	5.1
4030	170	3	12	146	76.2	5.6
4040	170	3	12	146	102	7.8
4535	190	3	14	162	89	7.6
4545	190	3	14	162	114	10
5040	270	3	14	178	102	11.2
5050	270	3	14	17	127	14

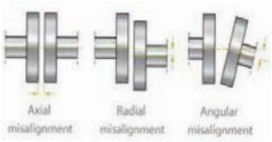
Couplings

Contents

Mecaline couplings

A flexible coupling connects the ends of two shafts for two main functions. The first is to transmit the power (torque) from the first shaft to the second in order to make them rotate at the same speed.

The second is to compensate for the misalignments and the irregular movements of the two shafts. Belt, chain, gears and clutches also transmit power from one shaft to another, but not necessarily at the same speed, and not on the same axis.



Mecaline offer a variety of coupling solutions through our HRC, Jaw and Tyre type couplings.

HRC

HRC range from 70 - 280

GG25 Cast iron hubs

JAW

Aluminium/steel or cast iron available (according to size)

92 or 98 shore polyurethane element options

TYRE

Tyre range from 40 to 220

Natural rubber tyre

Taper bush or pilot bore options

CROWN GEAR

Range from size 14 to size 65

Nylon PA66 Sleeve

C45 Steel Hubs

Pilot bore and pre-machined bore options

HRC couplings

HRC couplings

The Mecaline range of HRC couplings are designed to meet the demands of industrial power transmission, specifically for use with IEC motors.

HRC Couplings are designed for a wide variety of general purpose applications and taper bush versions enable a quick and simple assembly without using specialist tools.

The coupling caters for incidental angular, parallel and axial misalignment, and absorbs shock loads.

Manufactured in GG25 cast iron.

A complete HRC coupling comprises of two hubs and a rubber element. The two hubs can be of any combination between F, H and or B type hubs. Include your taper bush requirement!

HRC coupling selection process:

1

Service factor:

Determine the appropriate service factor from Table 4.

2

Design power:

Multiply the running power of the driven machinery (in kW) by the service factor. The result is the design power.

3

Coupling size:

Refer to power ratings (Table 5). Read across from the required speed until a power greater than the design power is found. The size of the HRC coupling is given in the column header.

4

Bore size:

Ensure that the resultant coupling size can accommodate your required bore sizes.

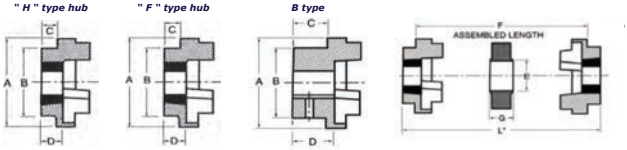


Table 1: Rubix part numbers and dimensions

	Flange type and RE code				Bush dimensions	Common dimensions (mm)					
Coupling size	B (pilot bore type)	F (taper bush type)	H (taper bush type)	Bush ref	Max bore	A	B (PB type)	C (F/H type)	C (for B type)	D	F
HRC 70	866346	866325	866332	1008	25	69	55	21	20	24	25
HRC 90	866347	866326	866333	1108	28	85	60	20	26	24	31
HRC 110	866348	866327	866334	1610	42	112	80	19	37	27	45
HRC 130	866349	866328	866335	1610	42	130	90	18	39	27	53
HRC 150	866350	866329	866336	2012	50	150	104	24	46	34	60
HRC 180	866351	866330	866337	2517	65	180	120	35	58	47	73
HRC 230	890480	890474	890476	3020	75	225	150	40	77	53	86
HRC 280	890481	890475	890477	3525	90	275	206	51	90	67	106

B = Pilot bore F = Bush fitting on inside of flange H = Bush fitting on outside of flange

Table 2: assembled length

	L*							Nominal Torque
Size	FF, FH, HH	FB, HB	BB	Mass (kg)	Inertia Mtr² kgm	Dynamic stiffness Nm/°	Pilot bore sizes for B hubs	Nm
70	65.00	65.00	65.00	1.00	0.00085	-	10 mm	31
90	69.50	76.00	82.50	1.17	0.00115	-	10 mm	80
110	82.00	100.51	119.00	5.00	0.00400	65.00	10 mm	160
130	89.00	110.00	131.00	5.46	0.00780	130.00	20 mm	315
150	107.00	129.49	152.00	7.10	0.01810	175.00	28 mm	600
180	142.00	165.50	189.00	16.60	0.04340	229.00	28 mm	950
230	164.50	202.00	239.50	26.00	0.12068	587.00	45 mm	2000
280	207.50	246.50	285.50	55.30	0.45	1025.00	55 mm	3150

Table 3

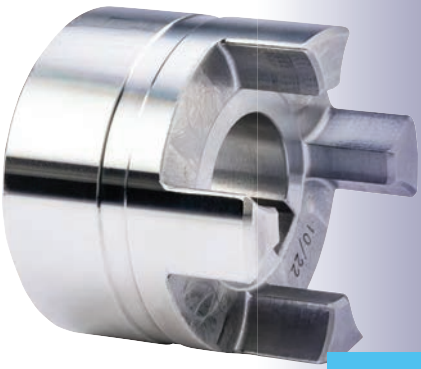
Reference/size	RE number
70 Element	866339
90 Element	866340
110 Element	866341
130 Element	866342
150 Element	866343
180 Element	866344
230 Element	890478
280 Element	890479

Table 4: service factors

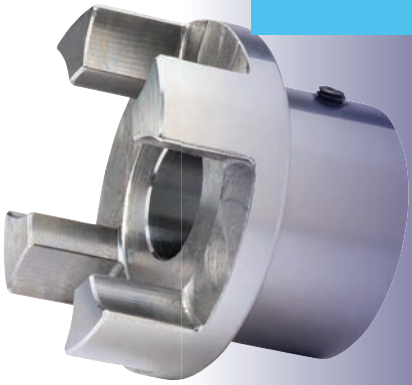
	Electric motor and soft starts			Internal combustion engines and heavy starts		
	Number of hours per day running					
	8 & under	Over 8 under 16	Over 16	8 & under	Over 8 under 16	Over 16
UNIFORM: Light duty agitators, brewing machinery, belt conveyors for sand etc, centrifugal blowers/compressors, centrifugal fans and pumps, sewage disposal equipment.	1.00	1.12	1.25	1.25	1.40	1.60
MODERATE SHOCK/LOAD: Clay working machinery, crane hoists, laundry machinery, wood working machinery, non-uniformly loaded centrifugal pumps, machine tools.	1.60	1.80	2.00	2.00	2.24	2.50
HEAVY LOAD: Reciprocating conveyors, crushers, shakers, metal mills, rubber machinery, reciprocating compressors and pumps heavy duty conveyors such as screw or bucket.	2.50	2.80	3.12	3.12	3.54	4.00

Table 5: power ratings

	Size reference							
Rotational speed in rev/min	**70**	**90**	**110**	**130**	**150**	**180**	**230**	**280**
100	0.33	0.84	1.68	3.3	6.27	9.95	20.9	33
150	0.5	1.26	2.52	4.95	9.42	14.9	31.4	49.5
200	0.65	1.68	3.36	6.6	12.6	19.9	41.8	66
300	0.99	2.52	5.04	9.9	18.8	29.9	62.7	99
400	1.32	3.36	6.72	13.2	25.1	39.8	83.6	132
500	1.65	4.2	8.4	16.5	31.4	49.8	105	165
600	1.98	5.04	10.1	19.8	37.7	59.7	125	198
700	2.31	5.87	11.8	23.1	44	69.7	146	231
720	2.37	6.05	12.1	23.8	45.2	71.6	150	238
800	2.64	6.72	13.4	26.4	50.3	79.6	167	264
900	2.97	7.56	15.1	29.7	56.5	89.6	188	297
960	3.17	8.06	16.1	31.6	60.3	95.4	201	317
1000	3.33	8.4	16.8	33	62.8	99.5	209	30
1200	3.96	10.1	20.2	39.6	75.4	119	251	396
1400	4.62	11.8	23.5	46.2	87.9	139	293	462
1440	4.65	12.1	24.2	47.5	90.4	143	301	475
1500	4.95	12.6	25.2	49.5	94.2	149	314	495
1800	5.93	15.1	30.2	59.4	113	179	376	594
2000	6.6	16.8	33.6	66	126	199	418	660
2500	8.25	21	42	82.5	157	249	523	-
2880	9.5	24.2	48.4	95	181	287	-	-
3000	9.9	25.2	50.4	99	188	299	-	-
3500	11.6	29.4	58.8	116	220	348	-	-
4000	13.2	33.6	67.2	132	251	-	-	-
4500	14.9	37.8	75.6	149	283	-	-	-
5000	16.5	42	84	-	-	-	-	-
Nomimal torque (Nm)	31.5	80	160	315	600	950	2000	3150
Max torque (Nm)	72	180	360	720	1500	2350	5000	7200



Jaw couplings



Jaw couplings

The Mecaline range of jaw couplings are a popular choice due to their ease of installation and are designed with no metal to metal contact, no need for lubrication.

They are resistant to oils and greases, dirt and sand and moisture. They provide easy inspection of the load carrying element and give flexibility of angular or parallel misalignment of shafts, providing smooth power transmission.

A low cost solution with a wide range of bore sizes (A) from 14 to 90 mm.

Mecaline jaw couplings are offered through a variety or hubs and elements.

A complete jaw coupling comprises of two hubs, and a selected rubber element.

Jaw coupling selection process:

1

Service factor:

Determine the appropriate service factor from Table 2.

2

Design power:

Multiply the service factor selected by the motor kW power (or actual absorbed power if known can be used).

3

Torque required:

Work out the torque (Nm) required using the formula below (A) and calculated design power from step 2.

4

Coupling size:

Using the torque figure from step 3, select the desired element (spider) from Table 3 based on it's related torque, this determines the coupling size required.

(A) CALCULATION FORMULA

$$\text{POWER (kW)} = \frac{\text{Torque (Nm)} \times \text{rotational speed (rpm)}}{9550}$$

$$\text{TORQUE (Nm)} = \frac{\text{Power (kW)} \times 9550}{\text{rotational speed (rpm)}}$$

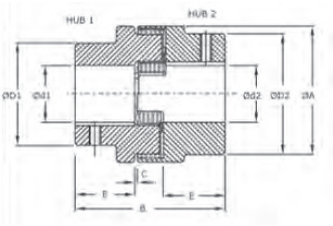


Table 1

Jaw coupling pilot bore type			Physical dimensions									
				Max bore								Max speed
Re code	Coupling size	Material	Hub type	Ød 1	ØD 1	B	C	E	Ød 2	ØD 2	ØA	rpm
863269	14	Steel	2	-	-	35	1.5	11	16	30	30	19000
863270	19	Aluminium	1	19	32	66	2	25	-	-	40	14000
863271	24	Aluminium	1	24	40	78	2	30	-	-	56	10600
863272	28	Aluminium	2	-	-	90	2.5	35	38	66	66	8500
863273	38	Aluminium	2	-	-	114	3	45	48	78	80	7100
863275	38	Cast iron	2	-	-	114	3	45	48	78	80	7100
863274	38	Steel	2	-	-	114	3	45	48	78	80	7100
863276	42	Cast iron	2	-	-	126	3	50	55	94	95	6000
863277	48	Cast iron	2	-	-	140	3.5	56	62	104	105	5600
863278	55	Cast iron	1	74	98	160	4	65	-	-	120	4750
863279	65	Cast iron	1	70	115	185	4.5	75	-	-	135	4250
863280	75	Cast iron	1	80	135	210	5	85	-	-	160	3520
863281	90	Cast iron	1	97	160	245	5.5	100	-	-	200	2800

Table 2: service factors

	Electric motor and soft starts			Internal combustion engines and heavy starts		
	Number of hours per day running					
	8 & under	Over 8 under 16	Over 16	8 & under	Over 8 under 16	Over 16
UNIFORM: Light duty agitators, brewing machinery, belt conveyors for sand etc, centrifugal blowers/compressors, centrifugal fans and pumps, sewage disposal equipment.	0.90	1.00	1.20	1.10	1.20	1.50
MODERATE SHOCK/LOAD: Clay working machinery, crane hoists, laundry machinery, wood working machinery, Non-uniformly loaded centrifugal pumps, machine tools.	1.10	1.20	1.50	1.30	1.50	1.70
HEAVY LOAD: Reciprocating conveyors, crushers, shakers, metal mills, rubber machinery, reciprocating compressors and pumps heavy duty conveyors such as screw or bucket.	1.60	1.70	2.00	1.90	2.00	2.20

Table 3

Jaw coupling element - part numbers / related torque				
Coupling size	92 shore hardness (yellow)	Related torque (Nm)	98 shore hardness (red)	Related torque (Nm)
14	860136	7.5	860147	12.5
19	860137	10	860148	17
24	860138	35	860149	60
28	860139	95	860150	160
38	860140	190	860151	325
42	860141	265	860152	450
48	860142	310	860153	525
55	860143	410	860154	685
65	860144	625	860155	940
75	860145	1280	860156	1920
90	860146	2400	860157	3600

Tyre couplings

Tyre couplings

The Mecaline range of tyre couplings can compensate angular, radial and axial misalignment as well as dampen vibration. The flanges are available with F and H taper bush fittings along with pilot bore.

- Maximum angular misalignment of 4°
- Maximum axial misalignment of 8mm
- Maximum radial misalignment of 3mm
- Flanges made from Steel & Cast Iron GG25
- Tyre made from natural rubber
- Size range from F40 to F220

A tyre coupling consists of two hubs and a rubber tyre. The two hubs can be of any combination between F, H and or B type hubs. Include your taper bush requirement!

Tyre coupling selection process:

1

Service factor:

Determine the appropriate service factor from Table 2.

2

Design power:

Multiply the running power of the driven machinery (in kW) by the service factor. The result is the design power.

3

Coupling size:

Refer to power ratings Table 3. Read across from the required speed until a power greater than the design power is found. The size of the tyre coupling is given in the column header.

4

Bore size:

Ensure that the resultant coupling size can accommodate your required bore sizes.

(See Table 2)

F hub denotes taper bush fits internally
H hub denotes taper bush fits externally
B hub denotes the hub has a pilot bore

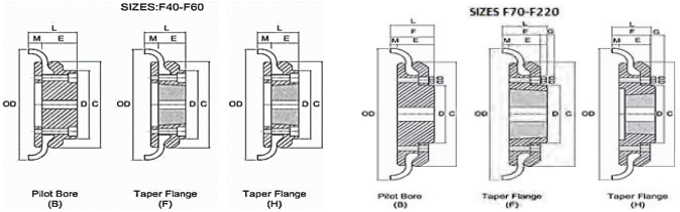


Table 1: dimensions

		Type F and H					Type B						Applies to all types							
													Common dimensions							
Size	Bush Size	Max bore mm	L	E	Inertia (kg/m²)	Approx weight	Bore Size mm	Max bore mm	L	E	Key screw for B type	Inertia (kg/m²)	OD	C	D	F	G	M	Material	Approx weight
F40	1008	25	33	22	0.00074	0.8	10	32	33	22	M5	0.00074	104	82	-	-	-	11	Steel	0.8
F50	1210	32	38	25	0.00115	1.2	10	38	45	32	M5	0.00115	133	100	79	-	-	12.5	Steel	1.2
F60	1610	42	42	25	0.0052	2	10	45	55	38	M6	0.0052	165	125	103	-	-	16.5	Steel	2
F70	1610	42	42	30.5	0.009	3	20	50	47	35	M8	0.009	187	144	80	50	13	11.5	Steel	3.1
F80	2012	50	45	32	0.017	4.6	20	60	55	42	M8	0.018	211	167	98	54	16	12.5	Steel	4.9
F90	2517	60	59.5	45	0.031	7	20	70	64	49	M10	0.032	235	188	108	60	16	13.5	Steel	7.1
F100	2517	60	59.5	45	0.054	9.4	20	80	71	56	M10	0.055	254	216	113	62	16	13.5	Steel	9.9
F110	3020	75	63.5	51	0.078	11.7	30	90	76	63	M12	0.081	279	233	134	62	16	12.5	Steel	12.5
F120	3020	75	65.5	51	0.13	15.9	30	100	85	70	M12	0.137	314	264	140	67	16	14.5	Steel	16.9
F140	3525	100	81.5	65	0.255	22.3	60	130	111	94	M16	0.254	359	311	178	73	17	16	Steel	22.2
F160	4030	115	92	76	0.38	32.5	65	140	117	102	M16	0.469	402	345	197	78	19	15	Steel	35.8
F180	4535	125	112	89	0.847	42.2	30	150	137	114	M16	0.871	470	398	205	94	19	23	Steel	49.1
F200	4535	125	113	89	1.281	53.6	75	150	138	114	M16	1.301	508	429	205	103	19	24	Cast iron	58.2
F220	5040	125	130	102	2.104	72	80	160	155	127	M20	2.142	562	474	223	118	20	27.5	Cast iron	79.6

All dimensions in mm

M = Distance between flanges
G = Amount the claming screws need to be withdrawn for tyre release
J = Spanner clearance to enable bolt tightening/loosening on shaft

Tyre couplings

Table 1a: Rubix part numbers

Part numbers					Physical characteristics					
	Re code				Max speed		Torque (Nm)		Maximum misalignmnet (mm)	
Size	F	H	B	Tyre	Rev/min	Normal	Max	Tortional stiffness (kgm2)	Parallel	End float +/-
F40	866369	866377	866353	866361	4500	21	64	5	1.1	1.3
F50	866370	866378	866354	866362	4500	53	160	13	1.3	1.7
F60	866371	866379	866355	866363	4000	106	318	26	1.6	2
F70	866372	866380	866356	866364	3600	162	487	41	1.9	2.3
F80	866373	866381	866357	866365	3100	253	759	63	2.1	2.6
F90	866374	866382	866358	866366	2880	365	1096	91	2.4	3
F100	866375	866383	866359	866367	2600	505	1517	126	2.6	3.3
F110	893485	893493	893501	893477	2300	712	2137	178	2.9	3.7
F120	893486	893494	893502	893478	2050	1182	3547	296	3.2	4
F140	893487	893495	893503	893479	1800	1881	5642	470	3.7	4.6
F160	893488	893496	893504	893480	1600	3113	9339	778	4.2	5.3
F180	893489	893497	893505	893481	1500	5485	16455	1371	4.8	6
F200	893490	893498	893506	893482	1300	8022	23508	1959	5.3	6.6
F220	893491	893499	893507	893483	1100	9932	33125	2760	5.8	7.3

Table 1b

RE Part numbers					Physical characteristics					
Size	F	H	B	Tyre	Rev/Min	Normal	Max	Tortional Stiffness (KG/M2)	Parallel	End Float ±
F40	866369	866377	866353	866361	4500	21	64	5	1.1	1.3
F50	866370	866378	866354	866362	4500	53	160	13	1.3	1.7
F60	866371	866379	866355	866363	4000	106	318	26	1.6	2
F70	866372	866380	866356	866364	3600	162	487	41	1.9	2.3
F80	866373	866381	866357	866365	3100	253	759	63	2.1	2.6
F90	866374	833382	866358	866366	2880	365	1096	91	2.4	3
F100	866375	866393	866359	866367	2600	505	1517	126	2.6	3.3
F110	893485	893493	893501	893477	2300	712	2137	178	2.9	3.7
F120	893486	893494	893502	893478	2050	1182	3547	296	3.2	4
F140	893487	893495	893503	893479	1800	1881	5642	470	3.7	4.6
F160	893488	893496	893504	893480	1600	3113	9339	778	4.2	5.3
F180	893489	893497	893505	893481	1500	5485	16455	1371	4.8	6
F200	893490	893498	893506	893482	1300	8022	23508	1959	5.3	6.6
F220	893491	893499	893507	893483	1100	9932	33125	2760	5.8	7.3

Table 2: service factors

	Electric motor and soft starts			Internal combustion engines and heavy starts		
	Number of hours per day running					
	8 & under	Over 8 under 16	Over 16	8 & under	Over 8 under 16	Over 16
UNIFORM: Light duty agitators, brewing machinery, belt conveyors for sand etc, centrifugal blowers/compressors, centrifugal fans and pumps, sewage disposal equipment.	0.80	0.90	1.00	1.30	1.40	1.50
MODERATE SHOCK/LOAD: Clay working machinery, crane hoists, laundry machinery, wood working machinery, non-uniformly loaded centrifugal pumps, machine tools.	1.30	1.40	1.50	1.80	1.90	2.00
HEAVY LOAD: Reciprocating conveyors, crushers, shakers, metal mills, rubber machinery, reciprocating compressors and pumps heavy duty conveyors such as screw or bucket.	1.80	1.90	2.00	2.30	2.40	2.50
SEVERE LOAD: Crushers, Rolling mills, quarry machinery, vibrating screens.	2.30	2.40	2.50	2.80	2.90	3.00

Table 3: power ratings (kW)

	Size reference													
Rotational speed in rev/min	F40	F50	F60	F70	F80	F90	F100	F110	F120	F140	F160	F180	F200	F220
100	0.22	0.56	1.11	1.7	2.65	3.82	5.29	7.46	12.4	19.7	32.6	57.4	84	104
200	0.44	1.11	2.22	3.39	5.3	7.64	10	14.9	24.8	39.4	65.2	115	168	209
300	0.66	1.67	3.33	5.09	7.95	11.5	15.9	22.4	37.1	59.1	97.8	172	252	313
400	0.88	2.22	4.44	6.79	10.6	15.3	21.2	29.8	49.5	78.8	130	230	336	418
500	1.1	2.78	5.55	8.48	13.2	19.1	26.4	37.3	61.9	98.5	163	287	420	522
600	1.32	3.33	6.66	10.2	15.9	22.9	31.7	44.7	74.3	118	196	345	504	627
700	1.54	3.89	7.77	11.9	18.5	26.8	37	52.2	86.6	138	228	402	588	731
720	1.58	4	7.99	12.2	19.1	27.5	38.1	53.7	89.1	142	235	414	605	753
800	1.76	4.44	8.88	13.6	21.2	30.6	42.3	59.6	99	158	261	459	672	836
900	1.98	5	9.99	15.3	23.8	34.4	47.6	67.1	111	177	293	517	756	940
960	2.11	5.33	10.7	16.3	25.4	36.7	50.8	71.6	119	189	313	551	806	1003
1000	2.2	5.5	11.1	17	26.5	38.2	52.9	74.6	124	197	326	574	840	1045
1200	2.64	6.66	13.3	20.4	31.8	45.9	63.5	89.5	149	236	391	689	1008	-
1400	3.08	7.77	15.5	23.8	37.1	53.5	74	104	173	276	456	804	-	-
1440	3.17	7.99	16	24.4	38.1	55	76.1	107	178	284	469	827	-	-
1600	3.52	8.88	17.8	27.1	42.4	61.2	84.6	119	198	315	522	-	-	-
1800	3.96	9.99	20	30.5	47.7	68.8	95.2	134	223	355	-	-	-	-
2000	4.4	11.1	22.2	33.9	53	76.4	106	149	248	-	-	-	-	-
2200	4.84	12.2	24.4	37.3	58.3	84.1	116	164	-	-	-	-	-	-
2400	5.08	13.3	26.8	40.7	63.6	91.7	127	-	-	-	-	-	-	-
2600	5.72	14.4	28.9	44.1	68.9	99.4	137	-	-	-	-	-	-	-
2800	6.16	15.5	31.1	47.5	74.2	107	-	-	-	-	-	-	-	-
2880	6.33	16	32	48.9	76.3	110	-	-	-	-	-	-	-	-
3000	6.6	16.7	33.3	50.9	79.5	-	-	-	-	-	-	-	-	-
3500	7.7	19.4	38.9	59.4	-	-	-	-	-	-	-	-	-	-
3600	7.92	20	40	-	-	-	-	-	-	-	-	-	-	-

Tyre couplings installation instructions

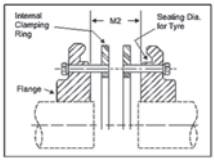
Satisfactory performance depends on correct installation and maintenance.
All instructions in this manual must be followed carefully.

Table 1

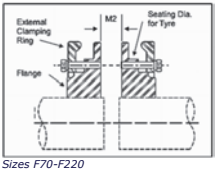
Coupling size		F40	F50	F60	F70	F80	F90	F100	F110	F120	F140	F160	F180	F200	F220
M2 (mm)*		22	25	33	23	25	27	27	25	29	32	30	46	48	55
Clamping screw torque	Nm	15	15	15	24	24	32	32	32	35	35	35	35	35	38

Installation method

1. Thoroughly clean all components paying attention to the removal of protective coating in the bore of the flanges.
2. Fit the flanges to the shafts, placing the external clamp rings onto the shafts. (Where taper bush flanges are used, use the taper bush fitting instructions provided). Locate the flanges so that dimension M2 is obtained (see table 1.) Flanges with internal clamping rings should then have the clamping rings fitted, engaging only two or three of the screw threads at a time.
3. Bring the shafts into line until dimension M2 is obtained. If the shaft end float is to occur, locate the shafts at mid-position of the end float when checking dimension M2. Note that shaft ends may project beyond the faces of the flanges if required. In this event, allow sufficient space between shaft ends for end float and misalignment. Flanges should be fitted flush with the end of the shaft when used with Mill-Motor flanges.
4. Check parallel alignment by laying a straight edge across the flanges at several positions around the circumference. Check angular alignment by measuring the gap between flanges at several positions around the circumference. It is desirable to align the coupling as accurately as possible, particularly on high-speed applications.
5. Open out the tyre and fit over the coupling flanges ensuring that the tyre beads seat properly on the flanges and/or clamping rings. To ensure proper seating it may be necessary to strike the outside diameter of the tyre with a small mallet. When seated there should be a gap between the ends of the tyre as noted in table 2.
6. Tighten the clamping screws alternately and evenly, working around each flange until the required screw torque is achieved. (Shown in Table 1).



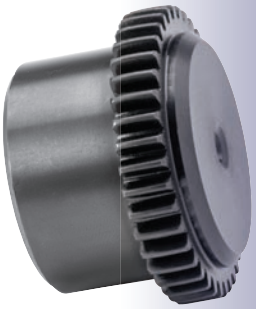
Sizes F40-F60



Sizes F70-F220

Table 2

Coupling size	F40 to F60	F70 to F120	F140	F160 to F180	F200 to F220
Tyre gap in mm.	2	3	5	6.5	8



Crown gear couplings

Crown gear couplings (CGC)

Mecaline Crown Gear Couplings (CGC) can be used in a wide variety of engineering applications throughout industry, with easy fitting and minimal maintenance characteristics.

Crown Gear Coupling comprise of two metal hubs manufactured from C45 steel, black phosphate, and a nylon PA66 crown sleeve. Gears are cut on all components to create optimum engagement and performance of the coupling, and will also withstand operating temperatures of -10 + 70°C.

Mecaline Crown Gear Coupling (CGC) - Characteristics:

- Easy fitting
- Low operating noise
- No lubrication required
- Compact assembly
- Absorbs impact and vibration

Misalignment

Mecaline CGC are capable of minor angular and radial misalignment - see accompanying chart on page 242.

Selection

Mecaline CGC should be selected based on nominal power ratings which should include a service factor.

(For torque calculations please see page 242)

Assembly

1. Fit the two metal hubs on the respective shafts (Drive and Driven), ensuring the tooth profiles are facing each other.
2. Insert the sleeve onto the hubs, whilst ensuring the two shafts are aligned and in keeping with dimension E.
3. Secure the two hubs in position using the grubscrew or other methods required.
4. Check the sleeve is free to move in axial direction prior to use.

Identification

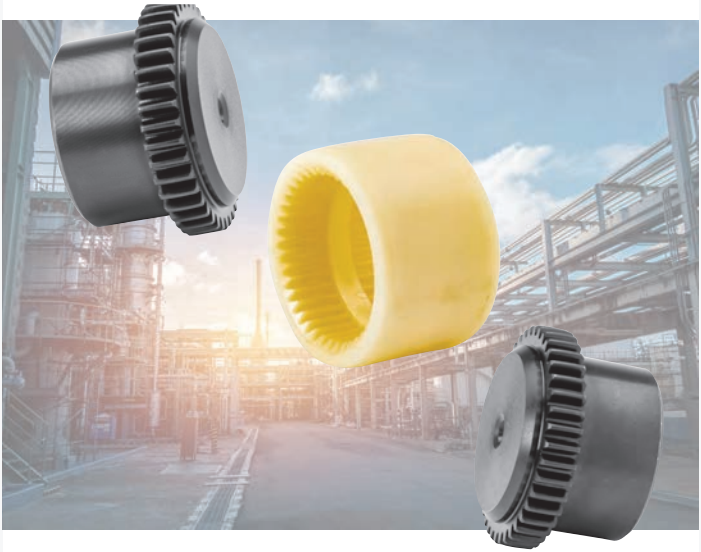
All CGC components are supplied individually. We offer hubs in normal or long length versions, in pilot bore and we offer selected pre-bored versions using a normal length hub.

Examples:

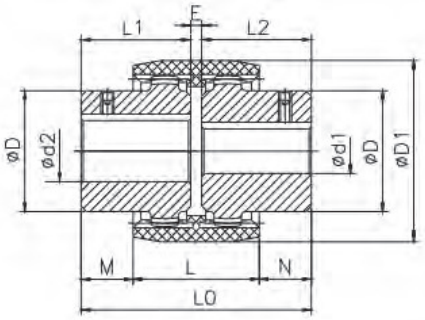
CGC14NPB = Size series 14, normal length hub, pilot bore.

CGC14LPB = Size series 14, long length hub, pilot bore.

CGC14N.12H7 = Size series 14, normal length hub, pre-bored 12mm + keyway to H7 standards



Crown gear coupling (CGC)



Size	TORQUE		Transmitted Power in KW								Max. RPM
			750 rpm		1000 rpm		1500 rpm		3000 rpm		
	Nominal	Max	Nominal	Max	Nominal	Max	Nominal	Max	Nominal	Max	
CGC14	11.5	23	0.8	1.5	1.1	2	1.6	3	3.3	6	14000
CGC19	18.5	36.5	1.3	2.7	1.8	3.7	2.7	5.5	5.4	11.1	12000
CGC24	23	46	1.7	3.5	2.3	4.7	3.4	7	6.9	14.1	10000
CGC28	51.5	103.5	3.9	7.9	5.2	10.6	7.8	16	15.6	32	8000
CGC32	69	138	5.2	10.5	7	14.1	11	21	21	42	7100
CGC38	88	176	6.7	13.5	9	18	14	27	27	54	6300
CGC42	110	220	8.4	16.8	11.2	22.5	17	34	33.6	68	6000
CGC48	154	308	12	23.6	15.8	31.6	24	47	47.4	95	5600
CGC65	420	840	32	64.3	42.9	85.8	64	129	128.7	257	4000

Common dimensions (complete coupling standard length)						Max. misalignment per hub		
Series	LO	M/N	E	Max Bore	KG/CM_2	Angular α	Radial	Axial mm
CGC 14	50	6.5	4	14	0.27	± 2°	0.7	± 1
CGC 19	54	8.5	4	19	0.64	± 2°	0.8	± 1
CGC 24	56	7.5	4	24	0.92	± 2°	0.8	± 1
CGC 28	84	79	4	28	3.45	± 2°	1	± 1
CGC 32	84	18	4	32	5.03	± 2°	1	± 1
GGC 38	84	18	4	38	9.59	± 2°	0.9	± 1
CGC 42	88	19	4	42	13.06	± 2°	0.9	± 1
CGC 48	104	27	4	48	18.15	± 2°	0.9	± 1
CGC65	114	23	4	65	106.34	± 2°	1.3	± 1

Crown gear coupling (CGC)

	Rubix Engineering Code	Dimensions (mm)					Weight (Kg)
		Generic code	D	D1	L1 / L2	L	
CGC 14 SERIES	895733	CGC14NPB	24		23		0.14
	895734	CGC14LPB	24		30		0.14
	895735	CGC14SL		40		37	0.02
	895736	CGC14N.11H7	24		23		0.14
	895737	CGC14N.12H7	24		23		0.14
	895738	CGC14N.14H7	24		23		0.14
CGC 19 SERIES	895740	CGC19NPB	30		25		0.21
	895741	CGC19LPB	30		40		0.21
	895742	CGC19SL		48		37	0.03
	895743	CGC19N.12H7	30		25		0.21
	895744	CGC19N.19H7	30		25		0.21
CGC 24 SERIES	895746	CGC24NPB	36		26		0.25
	895747	CGC24LPB	36		50		0.25
	895748	CGC24SL		52		41	0.04
	895749	CGC24N.10H7	36		26		0.25
	895750	CGC24N.14H7	36		26		0.25
	895751	CGC24N.15H7	36		26		0.25
	895752	CGC24N.16H7	36		26		0.25
	895753	CGC24N.19H7	36		26		0.25
	895754	CGC24N.20H7	36		26		0.25
	895755	CGC24N.24H7	36		26		0.25
CGC 28 SERIES	895757	CGC28NPB	44		40		0.62
	895758	CGC28LPB	44		60		0.62
	895759	CGC28SL		66		46	0.07
	895760	CGC28N.19H7	44		40		0.62
	895761	CGC28N.20H7	44		40		0.62
	895762	CGC28N.24H7	44		40		0.62
	895763	CGC28N.25H7	44		40		0.62
CGC 32 SERIES	895765	CGC32NPB	50		40		0.83
	895766	CGC32LPB	50		60		0.83
	895767	CGC32SL		76		48	0.09
	895768	CGC32N.24H7	50		40		0.83
	895769	CGC32N.25H7	50		40		0.83
	895770	CGC32N.28H7	50		40		0.83
	895771	CGC32N.32H7	50		40		0.83
CGC 38 SERIES	895773	CGC38NPB	58		40		1.04
	895774	CGC38LPB	58		80		1.04
	895775	CGC38SL		83		48	0.11
	895776	CGC38N.25H7	58		40		1.04
	895777	CGC38N.30H7	58		40		1.04
	895778	CGC38N.38H7	58		40		1.04
CGC 42 SERIES	895780	CGC42NPB	65		42		1.41
	895781	CGC42LPB	65		110		1.41
	895782	CGC42SL		92		50	0.14
	895783	CGC42N.28H7	65		42		1.41
	895784	CGC42N.40H7	65		42		1.41
	895785	CGC42N.42H7	65		42		1.41
CGC 48 SERIES	895787	CGC48NPB	67		50		1.43
	895788	CGC48LPB	67		110		1.43
	895789	CGC48SL		95		50	0.16
CGC 65 SERIES	895791	CGC65NPB	95		68		3.58
	895792	CGC65LPB	95		140		3.58
	895793	CGC65SL		132		68	0.39

Generic code Key: **PB** = Pilot bore **N** = Normal hub length **L** = Long hub **SL** = Sleeve

Taper Bushes

Contents

Taper Bushes

Mecaline taper bushes offer an ideal means of shaft fixing for most applications. Mecaline taper bushes are simple to use and a time effective solution for your company.

A full range of metric size bushes are available, manufactured to the highest specifications to meet international standards, using quality GG25 cast iron.

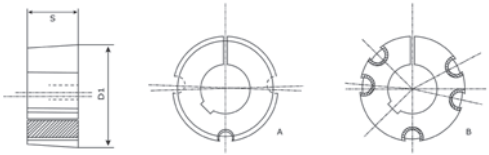
Features

- Bush systems widely used all over the world
- Easy to install and remove
- Fit to standard shafts
- Large range of metric bores available
- Quality grub screws included
- Superior packaging complete with fitting instructions
- ID are keyed to DIN 8665 and BS 4235.PT.1
- Black oxide finish to protect against corrosion
- 2 Grus screws for bush size 1008 - 3030
- 3 Caphead screws for bush size 3525 - 5050

Bush dimensions

Bush series	Bore size range	Large end diameter D1 (mm)	Bush length S (mm)	Screws (B.S.W)	Mass*
1008	10mm-25mm	35.2	22.3	1/4" x 1/2"	0.1
1108	9mm-28mm	47.6	25.4	3/8" x 5/8"	0.1
1210	11mm-32mm	47.6	25.4	3/8" x 5/8"	0.2
1215	11mm-32mm	47.6	38.1	3/8" x 5/8"	0.3
1310	14mm-35mm	50.8	25.4	3/8" x 5/8"	0.5
1610	14mm-40mm	57.2	25.4	3/8" x 5/8"	0.3
1615	14mm-40mm	57.2	38.1	3/8" x 5/8"	0.5
2012	14mm-50mm	69.9	31.8	7/16" x 7/8"	0.7
2517	16mm-65mm	85.7	44.5	1/2" x 1"	1.5
3020	25mm-75mm	108	50.8	5/8" x 1.1/4"	2.7
3030	25mm-75mm	108	50.8	5/8" x 1.1/2"	3.6
3525	35mm-100mm	127	76.2	1/2" x 1.1/2"	3.8
3535	35mm-90mm	127	89	1/2" x 1.1/2"	5
4030	40mm-105mm	146	76.2	5/8" x 1.1/2"	5.6
4040	40mm-100mm	146	102	5/8" x 1.3/4"	7.7
4535	55mm-125mm	162	89	3/4" x 2"	7.5
4545	55mm-110mm	162	114	3/4" x 2"	10
5040	70mm-125mm	178	102	7/8" x 2.1/4"	11.1
5050	60mm-125mm	178	127	7/8" x 2.1/4"	14

*Mass based on mid range bore size.



RUBIX ENGINEERING CODE - BY BUSH SIZE






1210 | 1215 | 1610 | 1615 | 2012 | 2517

Bush bore size	1008	1108	1210	1215	1310	1610	1615	2012	2517
9		875629							
10	856854	856866							
11	856855	856867	856879	856893					
12	856856	856868	856880	856894					
14	856857	856869	856881	856895	856907	856920	856936	890454	
15	890482	890092				890453			
16	856858	856870	856882	856896	856908	856921	856937	890093	890455
18	856859	856871	856883	856897	856909	856922	856938	856952	875633
19	856860	856872	856884	856898	856910	856923	856939	856953	875634
20	856861	856873	856885	856899	856911	856924	856940	856954	856969
22	856862	856874	856886	856900	856912	856925	856941	856955	856970
24	856863	856875	856887	856901	856913	856926	856942	856956	856971
25	856864	856876	856888	856902	856914	856927	856943	856957	856972
28		856877*	856889	856903	856915	856928	856944	856958	856973
30			856890	856904	856916	856929	856945	856959	856974
32			856891	856905	856917	856930	856946	856960	856975
35					856918	856931	856947	856961	856976
38						856932	856948	856962	856977
40						856933*	856949	856963	856978
42						856934*	856950*	856964	856979
45								856965	856980
48								856966	856981
50								856967	856982
55									856983
60									856984
65									883092
70									
75									
80									
85									
90									
95									
100									
105									
110									
115									
120									
125									

* Bushes are made of steel or ductile iron

RUBIX ENGINEERING CODE - BY BUSH SIZE


3030


3525


5040

Bush bore size	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050
9										
10										
11										
12										
14										
15										
16										
18										
19										
20										
22										
24										
25	857003	857020								
28	857004	857021								
30	857005	857022								
32	857006	857023								
35	857007	857024	890456	857037						
38	857008	857025	875637	857038						
40	857009	857026	875638	857039	875650	857053				
42	857010	857027	875639	857040	875651	857054				
45	857011	857028	875640	857041	875652	857055				
48	857012	857029	875641	857042	875653	857056				
50	857013	857030	875642	857043	875654	857057				
55	857014	857031	875643	857044	875655	857058	890458	857069		
60	857015	857032	875644	857045	875656	857059	890459	857070		857082
65	857016	857033	875645	857046	875657	857060	883104	857071		857083
70	857017	857034	875646	857047	875658	857061	883105	857072	883115	857084
75	857018	857035	875647	857048	875659	857062	883106	857073	883116	857085
80			875648	857049	875660	857063	883107	857074	883117	857086
85			883094	857050	875661	857064	883108	857075	883118	857087
90			883095	857051	875662	857065	883109	857076	883119	857088
95			883096*		883099	857066	883110	857077		857089
100			890457*		883097	857067	883101	857078	883111	857090
105					883098*			857079		857091
110						883100	883102	857080	883112	857092
115							890460*		890462	857093
120							883103*		883113	857094
125							890461*		883114	857095

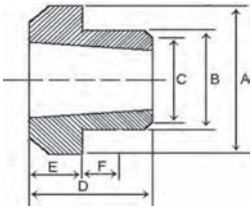
* Bushes are made of steel or ductile iron

Keyway size

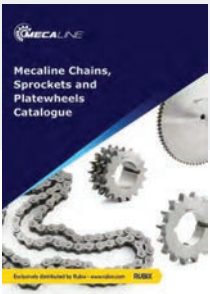
Bush bore size (mm)	Keyway size (W x D)mm	Shallow key size (where shown)
9	3x1.40	-
10	3x1.40	-
11	4x1.80	-
12	4x1.80	-
14	5x2.30	-
15	5x2.30	-
16	5x2.30	-
18	6x2.80	-
19	6x2.80	-
20	6x2.80	-
22	6x2.80	-
24	8x2.00	For 1008 bush only*
24	8x3.30	-
25	8x1.30	For 1008 bush only*
25	8x3.30	-
28	8x2.00	For 1108 bush only*
28	8x3.30	-
30	8x3.30	-
32	10x3.30	-
35	10x3.30	-
38	10x3.30	-
40	12x3.30	-
42	12x2.20	For 1610 Bush only*
42	12x2.20	For 1615 Bush only*
42	12x3.30	-
45	14x3.80	-
48	14x3.80	-
55	16x4.30	-
60	18x4.40	-
65	18x4.40	-
70	20x4.90	-
75	20x4.90	-
80	22x5.40	-
85	22x5.40	-
90	25x4.40	-
95	25x4.40	-
100	28x6.40	-
105	28x6.40	-
110	28x6.40	-
115	32x7.40	-
120	32x7.40	-

Weld on and bolt on hubs

Rubix Engineering Code	Product description	HUB	A	B	C	D	E	F
866218	WH12 (1210) WELD-ON HUB	1210	70	65	64.5	25	9	10
866219	W12 (1215) WELD-ON HUB	1215	73.03	63.5	62.71	38.1	15.88	9.53
866220	WH16 (1610) WELD-ON HUB	1610	80	75	74.5	25	9	10
866221	W16 (1615) WELD-ON HUB	1615	82.55	73.03	72.74	38.1	15.88	9.53
866222	WH20 (2012) WELD-ON HUB	2012	95	90	89.5	32	12	12
866223	WH25 (2517) WELD-ON HUB	2517	115	110	109.5	44	19	15
866224	WH30 (3020) WELD-ON HUB	3020	145	140	139.5	50	20	15
866225	W35 (3525) WELD-ON HUB	3525	190	180	179.5	65	25	25
866226	WH35 (3535) WELD-ON HUB	3535	184.15	158.75	157.96	88.9	31.75	25.4
866227	WH40 (4040) WELD-ON HUB	4040	200	190	189.5	101	32	30
866228	WH45 (4545) WELD-ON HUB	4545	210	200	199.5	114	40	30
866229	WH50 (5050) WELD-ON HUB	5050	230	220	219.5	127	40	45



Use your Mecaline taper bush with Mecaline v pulleys, timing pulleys and sprockets.



Installation, fitting, and removal of taper bushes to pulleys and sprockets

Before you begin any maintenance work, check the machine is switched off and machine components are secured in a locked position to prevent unexpected movement and potential injury to you or others.

Prior to any installation, ensure all components are wiped down and cleaned from any dirt, residue or oil. Confirm that the pulleys are undamaged checking pulley is right size for the application required.

Installation and fitting:

1. Insert the Mecaline taper bush into the hub so that the connecting bores are all lined up ensuring grub screw holes all line up. Then, loosely place screws in the threaded holes.

Tip: A small amount of oil should be applied in the thread and under the cap screw heads.

To fit a key, place it in the shaft keyway before fitting the taper bush. Ensure that the key has top clearance, is parallel and has side fitting (do not use taper or top fitting keys).

If you are not fitting a key, position the keyways on the taper bush and hub opposite to each other.

2. Clean and degrease the shaft. Fit hub and taper bush together onto the shaft so that it fits in the desired position.

Tip: The bush will nip the shaft first and then draw the hub slightly on to the bush.

3. Tighten the screws gradually using a hexagon wrench, alternating between them until desired torque setting shown in table below. Hammer the large end of the taper bush using a block or sleeve to avoid damage and ensure the bush is seated squarely in the bore. Screws will turn a little more.

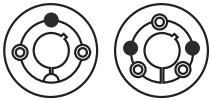
4. Repeat alternate hammering and tightening until the maximum grip, or tightening torque, is achieved.

5. After running the loaded drive for a short while, stop to check screw tightness.

6. Fill any empty holes with grease to prevent dirt build up and corrosion.

Removal:

1. Loosen all screws and remove from bush.



2. Apply a little amount of oil to the screws and insert one grub screw or two cap head screws into the removal holes.

3. Tighten the screws alternately until the assembly slackens in the hub.

   Tip: If the taper bush doesn't loosen, try tapping the hub lightly.

4. Remove the assembled hub and taper bush from the shaft.

Bush size series	Screw tightening torque (Nm))	No of screws	Hex socket size (mm)	Large end diameter (mm)	Bush length (mm)	Approx mass (Kg)
1008	5.6	2	3	35	22.3	0.1
1108	5.6	2	3	38	22.3	0.1
1210	20	2	5	47.5	25.4	0.2
1610	20	2	5	57	25.4	0.3
1615	20	2	5	57	38.1	0.5
2012	30	2	6	70	31.8	0.7
2517	50	2	6	85.5	44.5	1.5
3020	90	2	8	108	50.8	2.7
3030	90	2	8	108	76.2	3.65
3525	115	3	10	127	63.5	3.9
3535	115	3	10	127	89	5.1
4030	170	3	12	146	76.2	5.6
4040	170	3	12	146	102	7.8
4535	190	3	14	162	89	7.6
4545	190	3	14	162	114	10
5040	270	3	14	178	102	11.2
5050	270	3	14	17	127	14

Racks and Pinions

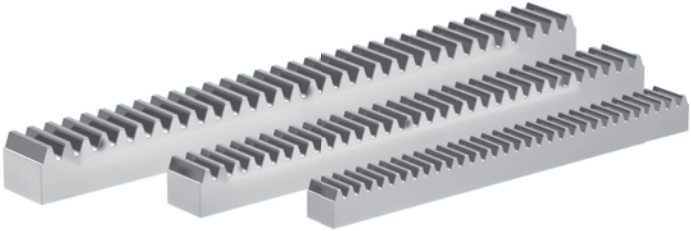
Contents

Racks

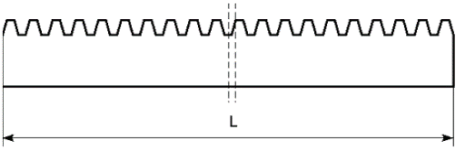
Mecaline racks and pinions are widely used for vertical or horizontal movement and positioning mechanisms throughout various industry sectors for transmitting power.

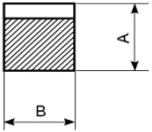
Racks and pinions (spur gears) are manufactured from C45 Steel with a pressure angle of 20° according to DIN 3962.

Racks are supplied in 0.5mtr, 1mtr, 2 mtr or 3 mtr lengths.



European standard gear racks - Pressure angle 20°
Grade of toothing according to DIN standard 3692
Tolerance on single pitch ± 20µm
Tolerance on sum of pitches for 500mm rack ± 30µm
Suitable for continuous mounting



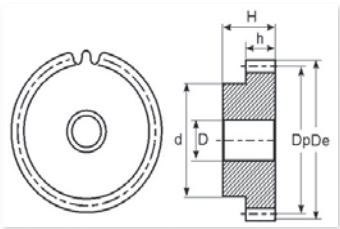


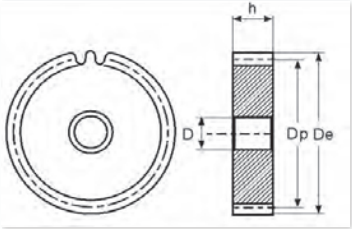
Racks

	RX Eng.code	Generic code	Description (European Standard)	No. of teeth	A	B	L (nominal) mm	Actual length mm	Product weight Kg
Module 1	895473	RK500M1	GEAR RACK MODULE 1 X 500MM	159	15	15	500	499.51	0.82
	895474	RK1000M1	GEAR RACK MODULE 1 X 1000MM	319	15	15	1000	1002.17	1.5
	895475	RK2000M1	GEAR RACK MODULE 1 X 2000MM	637	15	15	2000	2001.20	3.1
	895476	RK3000M1	GEAR RACK MODULE 1 X 3000MM	955	15	15	3000	3000.20	4.9
Module 1.5	895478	RK500M1.5	GEAR RACK MODULE 1.5 X 500MM	106	17	17	500	499.51	1
	895479	RK1000M1.5	GEAR RACK MODULE 1.5 X 1000MM	213	17	17	1000	1003.74	2
	895480	RK2000M1.5	GEAR RACK MODULE 1.5 X 2000MM	425	17	17	2000	2002.77	4
	895481	RK3000M1.5	GEAR RACK MODULE 1.5 X 3000MM	637	17	17	3000	3001.80	6.1
Module 2	895483	RK500M2	GEAR RACK MODULE 2 X 500MM	80	20	20	500	502.66	1.4
	895484	RK1000M2	GEAR RACK MODULE 2 X 1000MM	160	20	20	1000	1005.31	2.7
	895485	RK2000M2	GEAR RACK MODULE 2 X 2000MM	319	20	20	2000	2004.34	5.4
	895486	RK3000M2	GEAR RACK MODULE 2 X 3000MM	478	20	20	3000	3003.36	8.4
Module 2.5	895488	RK500M2.5	GEAR RACK MODULE 2.5 X 500MM	64	25	25	500	502.66	2.1
	895489	RK1000M2.5	GEAR RACK MODULE 2.5 X 1000MM	128	25	25	1000	1005.31	4.3
	895490	RK2000M2.5	GEAR RACK MODULE 2.5 X 2000MM	255	25	25	2000	2002.77	8.6
	895491	RK3000M2.5	GEAR RACK MODULE 2.5 X 3000MM	382	25	25	3000	3000.23	11.9
Module 3	895493	RK500M3	GEAR RACK MODULE 3 X 500MM	53	30	30	500	499.51	3.1
	895494	RK1000M3	GEAR RACK MODULE 3 X 1000MM	107	30	30	1000	1008.45	6.3
	895495	RK2000M3	GEAR RACK MODULE 3 X 2000MM	213	30	30	2000	2007.48	12.5
	895496	RK3000M3	GEAR RACK MODULE 3 X 3000MM	319	30	30	3000	3006.50	18.6
Module 4 x30	895498	RK1000M4X30	GEAR RACK MODULE 4 X 30 X 1000MM	80	30	30	1000	1005.31	6
	895499	RK2000M4X30	GEAR RACK MODULE 4 X 30 X 2000MM	160	30	30	2000	2010.62	11.9
Module 4 x40	895500	RK500M4X40	GEAR RACK MODULE 4 X 40 X 500MM	40	40	40	500	502.66	5.5
	895501	RK1000M4X40	GEAR RACK MODULE 4 X 40 X 1000MM	80	40	40	1000	1005.31	11.1
	895502	RK2000M4X40	GEAR RACK MODULE 4 X 40 X 2000MM	160	40	40	2000	2010.62	22
	895503	RK3000M4X40	GEAR RACK MODULE 4 X 40 X 3000MM	239	40	40	3000	3003.36	31.3
Module 5	895505	RK500M5	GEAR RACK MODULE 5 X 500MM	32	50	50	500	502.66	8.3
	895506	RK1000M5	GEAR RACK MODULE 5 X 1000MM	61	50	50	1000	1005.31	17.5
	895507	RK2000M5	GEAR RACK MODULE 5 X 2000MM	128	50	50	2000	2010.62	34.6
	895508	RK3000M5	GEAR RACK MODULE 5 X 3000MM	191	50	50	3000	3000.22	45.3
Module 6	895510	RK1000M6	GEAR RACK MODULE 6 X 1000MM	54	60	60	1000	1017.88	25
	895511	RK2000M6	GEAR RACK MODULE 6 X 2000MM	107	60	60	2000	2016.91	51
	895512	RK3000M6	GEAR RACK MODULE 6 X 3000MM	160	60	60	3000	3015.93	76.5
Module 8	895513	RK2000M8	GEAR RACK MODULE 8 X 2000MM	80	80	2000	80	1005.31	90

Spur Gears (Pinions)

Type 1	Type 2





Pressure angle 20°, C45 steel

Pinions

Module 1

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895156	SPGM1012	SPUR GEAR - PINION - MOD 1 z=12	1	14	12	9	4	0.010
13	895157	SPGM1013	SPUR GEAR - PINION - MOD 1 z=13	1	15	13	10	4	0.020
14	895158	SPGM1014	SPUR GEAR - PINION - MOD 1 z=14	1	16	14	11	4	0.020
15	895159	SPGM1015	SPUR GEAR - PINION - MOD 1 z=15	1	17	15	12	4	0.020
16	895160	SPGM1016	SPUR GEAR - PINION - MOD 1 z=16	1	18	16	13	4	0.030
17	895161	SPGM1017	SPUR GEAR - PINION - MOD 1 z=17	1	19	17	14	8	0.030
18	895162	SPGM1018	SPUR GEAR - PINION - MOD 1 z=18	1	20	18	15	8	0.030
20	895163	SPGM1020	SPUR GEAR - PINION - MOD 1 z=20	1	22	20	16	8	0.040
22	895164	SPGM1022	SPUR GEAR - PINION - MOD 1 z=22	1	24	22	16	8	0.050
24	895165	SPGM1024	SPUR GEAR - PINION - MOD 1 z=24	1	26	24	20	10	0.060
25	895166	SPGM1025	SPUR GEAR - PINION - MOD 1 z=25	1	27	25	20	10	0.070
27	895167	SPGM1027	SPUR GEAR - PINION - MOD 1 z=27	1	29	27	20	10	0.080
28	895168	SPGM1028	SPUR GEAR - PINION - MOD 1 z=28	1	30	28	20	10	0.080
30	895169	SPGM1030	SPUR GEAR - PINION - MOD 1 z=30	1	32	30	20	10	0.090
32	895170	SPGM1032	SPUR GEAR - PINION - MOD 1 z=32	1	34	32	25	10	0.120
34	895171	SPGM1034	SPUR GEAR - PINION - MOD 1 z=34	1	36	34	25	10	0.130
35	895172	SPGM1035	SPUR GEAR - PINION - MOD 1 z=35	1	37	35	25	10	0.140
36	895173	SPGM1036	SPUR GEAR - PINION - MOD 1 z=36	1	38	36	25	10	0.140
38	895174	SPGM1038	SPUR GEAR - PINION - MOD 1 z=38	1	40	38	25	10	0.160
40	895175	SPGM1040	SPUR GEAR - PINION - MOD 1 z=40	1	42	40	25	10	0.170
46	895176	SPGM1046	SPUR GEAR - PINION - MOD 1 z=46	1	48	46	30	10	0.230
47	895177	SPGM1047	SPUR GEAR - PINION - MOD 1 z=47	1	49	47	30	10	0.240
50	895178	SPGM1050	SPUR GEAR - PINION - MOD 1 z=50	1	52	50	30	12	0.260
53	895179	SPGM1053	SPUR GEAR - PINION - MOD 1 z=53	1	55	53	40	12	0.330
54	895180	SPGM1054	SPUR GEAR - PINION - MOD 1 z=54	1	56	54	40	12	0.340
55	895181	SPGM1055	SPUR GEAR - PINION - MOD 1 z=55	1	57	55	40	12	0.360
59	895182	SPGM1059	SPUR GEAR - PINION - MOD 1 z=59	1	61	59	40	12	0.400
60	895183	SPGM1060	SPUR GEAR - PINION - MOD 1 z=60	1	62	60	40	12	0.410
62	895184	SPGM1062	SPUR GEAR - PINION - MOD 1 z=62	1	64	62	50	12	0.490
70	895185	SPGM1070	SPUR GEAR - PINION - MOD 1 z=70	1	72	70	50	12	0.580
75	895186	SPGM1075WH	SPUR GEAR - PINION - MOD 1 z=75 WITHOUT HUB	2	77	75	-	12	0.510
80	895187	SPGM1080WH	SPUR GEAR - PINION - MOD 1 z=80 WITHOUT HUB	2	82	80	-	12	0.580
85	895188	SPGM1085WH	SPUR GEAR - PINION - MOD 1 z=85 WITHOUT HUB	2	87	85	-	12	0.650
100	895189	SPGM1100WH	SPUR GEAR - PINION - MOD 1 z=100 WITHOUT HUB	2	102	100	-	12	0.910
110	895190	SPGM1110WH	SPUR GEAR - PINION - MOD 1 z=110 WITHOUT HUB	2	112	110	-	12	1.100
120	895191	SPGM1120WH	SPUR GEAR - PINION - MOD 1 z=120 WITHOUT HUB	2	122	120	-	12	1.320
127	895192	SPGM1127WH	SPUR GEAR - PINION - MOD 1 z=127 WITHOUT HUB	2	129	127	-	12	1.470

Module 1.5

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895194	SPGM1.5012	SPUR GEAR - PINION - MOD 1.5 z=12	1	21	18	14	8	0.040
13	895195	SPGM1.5013	SPUR GEAR - PINION - MOD 1.5 z=13	1	22.5	19.5	15	8	0.050
14	895196	SPGM1.5014	SPUR GEAR - PINION - MOD 1.5 z=14	1	24	21	17	8	0.060
15	895197	SPGM1.5015	SPUR GEAR - PINION - MOD 1.5 z=15	1	25.5	22.5	18	8	0.070
16	895198	SPGM1.5016	SPUR GEAR - PINION - MOD 1.5 z=16	1	27	24	20	8	0.080
17	895199	SPGM1.5017	SPUR GEAR - PINION - MOD 1.5 z=17	1	28.5	25.5	20	8	0.090
18	895200	SPGM1.5018	SPUR GEAR - PINION - MOD 1.5 z=18	1	30	27	20	8	0.100
19	895201	SPGM1.5019	SPUR GEAR - PINION - MOD 1.5 z=19	1	31.5	28.5	20	8	0.100
21	895202	SPGM1.5021	SPUR GEAR - PINION - MOD 1.5 z=21	1	34.5	31.5	25	10	0.130
22	895203	SPGM1.5022	SPUR GEAR - PINION - MOD 1.5 z=22	1	36	33	25	10	0.140
23	895204	SPGM1.5023	SPUR GEAR - PINION - MOD 1.5 z=23	1	37.5	34.5	25	10	0.160
24	895205	SPGM1.5024	SPUR GEAR - PINION - MOD 1.5 z=24	1	39	36	25	10	0.170
25	895206	SPGM1.5025	SPUR GEAR - PINION - MOD 1.5 z=25	1	40.5	37.5	25	10	0.180
26	895207	SPGM1.5026	SPUR GEAR - PINION - MOD 1.5 z=26	1	42	39	30	12	0.200
28	895208	SPGM1.5028	SPUR GEAR - PINION - MOD 1.5 z=28	1	45	42	30	12	0.230
30	895209	SPGM1.5030	SPUR GEAR - PINION - MOD 1.5 z=30	1	48	45	30	12	0.260
32	895210	SPGM1.5032	SPUR GEAR - PINION - MOD 1.5 z=32	1	51	48	35	12	0.310
36	895211	SPGM1.5036	SPUR GEAR - PINION - MOD 1.5 z=36	1	57	54	35	12	0.370
37	895212	SPGM1.5037	SPUR GEAR - PINION - MOD 1.5 z=37	1	58.5	55.5	40	12	0.420
38	895213	SPGM1.5038	SPUR GEAR - PINION - MOD 1.5 z=38	1	60	57	40	12	0.440
40	895214	SPGM1.5040	SPUR GEAR - PINION - MOD 1.5 z=40	1	63	60	40	12	0.480
41	895215	SPGM1.5041	SPUR GEAR - PINION - MOD 1.5 z=41	1	64.5	61.5	40	12	0.500
42	895216	SPGM1.5042	SPUR GEAR - PINION - MOD 1.5 z=42	1	66	63	50	12	0.590
44	895217	SPGM1.5044	SPUR GEAR - PINION - MOD 1.5 z=44	1	69	66	50	12	0.630
45	895218	SPGM1.5045	SPUR GEAR - PINION - MOD 1.5 z=45	1	70.5	67.5	50	12	0.650
47	895219	SPGM1.5047	SPUR GEAR - PINION - MOD 1.5 z=47	1	73.5	70.5	50	14	0.700
48	895220	SPGM1.5048	SPUR GEAR - PINION - MOD 1.5 z=48	1	75	72	50	14	0.700
50	895221	SPGM1.5050	SPUR GEAR - PINION - MOD 1.5 z=50	1	78	75	50	14	0.760
52	895222	SPGM1.5052	SPUR GEAR - PINION - MOD 1.5 z=52	1	81	78	60	14	0.890
55	895223	SPGM1.5055	SPUR GEAR - PINION - MOD 1.5 z=55	1	85.5	82.5	60	14	0.960
56	895224	SPGM1.5056	SPUR GEAR - PINION - MOD 1.5 z=56	1	87	84	60	16	0.980
60	895225	SPGM1.5060	SPUR GEAR - PINION - MOD 1.5 z=60	1	93	90	60	16	1.090
62	895226	SPGM1.5062	SPUR GEAR - PINION - MOD 1.5 z=62	1	96	93	70	16	1.250
63	895227	SPGM1.5063	SPUR GEAR - PINION - MOD 1.5 z=63	1	97.5	94.5	70	16	1.280
64	895228	SPGM1.5064	SPUR GEAR - PINION - MOD 1.5 z=64	1	99	96	70	16	1.310
68	895229	SPGM1.5068	SPUR GEAR - PINION - MOD 1.5 z=68	1	105	102	70	16	1.430
70	895230	SPGM1.5070	SPUR GEAR - PINION - MOD 1.5 z=70	1	108	105	70	16	1.500
76	895231	SPGM1.5076WH	SPUR GEAR - PINION - MOD 1.5 z=76 WITHOUT HUB	2	117	114	-	16	1.330
80	895232	SPGM1.5080WH	SPUR GEAR - PINION - MOD 1.5 z=80 WITHOUT HUB	2	123	120	-	16	1.480
90	895233	SPGM1.5090WH	SPUR GEAR - PINION - MOD 1.5 z=90 WITHOUT HUB	2	138	135	-	16	1.880
95	895234	SPGM1.5095WH	SPUR GEAR - PINION - MOD 1.5 z=95 WITHOUT HUB	2	145.5	142.5	-	16	2.090
100	895235	SPGM1.5100WH	SPUR GEAR - PINION - MOD 1.5 z=100 WITHOUT HUB	2	153	150	-	16	2.320
114	895236	SPGM1.5114WH	SPUR GEAR - PINION - MOD 1.5 z=114 WITHOUT HUB	2	174	171	-	16	3.030
120	895237	SPGM1.5120WH	SPUR GEAR - PINION - MOD 1.5 z=120 WITHOUT HUB	2	183	180	-	16	3.360
127	895238	SPGM1.5127WH	SPUR GEAR - PINION - MOD 1.5 z=127 WITHOUT HUB	2	193.5	190.5	-	16	3.770

Module 2

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895240	SPGM2012	SPUR GEAR - PINION - MOD 2 z=12	1	28	24	18	10	0.080
13	895241	SPGM2013	SPUR GEAR - PINION - MOD 2 z=13	1	30	26	20	10	0.100
14	895242	SPGM2014	SPUR GEAR - PINION - MOD 2 z=14	1	32	28	22	10	0.120
15	895243	SPGM2015	SPUR GEAR - PINION - MOD 2 z=15	1	34	30	24	10	0.140
16	895244	SPGM2016	SPUR GEAR - PINION - MOD 2 z=16	1	36	32	25	10	0.160
17	895245	SPGM2017	SPUR GEAR - PINION - MOD 2 z=17	1	38	34	25	10	0.180
18	895246	SPGM2018	SPUR GEAR - PINION - MOD 2 z=18	1	40	36	25	10	0.190
19	895247	SPGM2019	SPUR GEAR - PINION - MOD 2 z=19	1	42	38	25	10	0.210
20	895248	SPGM2020	SPUR GEAR - PINION - MOD 2 z=20	1	44	40	30	10	0.260
21	895249	SPGM2021	SPUR GEAR - PINION - MOD 2 z=21	1	46	42	30	12	0.270
22	895250	SPGM2022	SPUR GEAR - PINION - MOD 2 z=22	1	48	44	30	12	0.290
23	895251	SPGM2023	SPUR GEAR - PINION - MOD 2 z=23	1	50	46	30	12	0.310
24	895252	SPGM2024	SPUR GEAR - PINION - MOD 2 z=24	1	52	48	35	12	0.360
25	895253	SPGM2025	SPUR GEAR - PINION - MOD 2 z=25	1	54	50	35	12	0.390
26	895254	SPGM2026	SPUR GEAR - PINION - MOD 2 z=26	1	56	52	40	12	0.450
27	895255	SPGM2027	SPUR GEAR - PINION - MOD 2 z=27	1	58	54	40	12	0.470
28	895256	SPGM2028	SPUR GEAR - PINION - MOD 2 z=28	1	60	56	40	12	0.500
29	895257	SPGM2029	SPUR GEAR - PINION - MOD 2 z=29	1	62	58	40	14	0.520
30	895258	SPGM2030	SPUR GEAR - PINION - MOD 2 z=30	1	64	60	40	14	0.550
31	895259	SPGM2031	SPUR GEAR - PINION - MOD 2 z=31	1	66	62	45	14	0.610
32	895260	SPGM2032	SPUR GEAR - PINION - MOD 2 z=32	1	68	64	45	14	0.650
33	895261	SPGM2033	SPUR GEAR - PINION - MOD 2 z=33	1	70	66	45	14	0.680
34	895262	SPGM2034	SPUR GEAR - PINION - MOD 2 z=34	1	72	68	45	14	0.710
35	895263	SPGM2035	SPUR GEAR - PINION - MOD 2 z=35	1	74	70	45	14	0.740
36	895264	SPGM2036	SPUR GEAR - PINION - MOD 2 z=36	1	76	72	45	14	0.780
38	895265	SPGM2038	SPUR GEAR - PINION - MOD 2 z=38	1	80	76	50	14	0.900
40	895266	SPGM2040	SPUR GEAR - PINION - MOD 2 z=40	1	84	80	50	14	0.970
41	895267	SPGM2041	SPUR GEAR - PINION - MOD 2 z=41	1	86	82	55	16	1.050
42	895268	SPGM2042	SPUR GEAR - PINION - MOD 2 z=42	1	88	84	55	16	1.090
43	895269	SPGM2043	SPUR GEAR - PINION - MOD 2 z=43	1	90	86	55	16	1.130

Module 2

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
44	895270	SPGM2044	SPUR GEAR - PINION - MOD 2 z=44	1	92	88	60	16	1.230
45	895271	SPGM2045	SPUR GEAR - PINION - MOD 2 z=45	1	94	90	60	16	1.270
48	895274	SPGM2048	SPUR GEAR - PINION - MOD 2 z=48	1	100	96	70	16	1.530
49	895275	SPGM2049	SPUR GEAR - PINION - MOD 2 z=49	1	102	98	70	16	1.570
50	895276	SPGM2050	SPUR GEAR - PINION - MOD 2 z=50	1	104	100	70	16	1.620
51	895277	SPGM2051	SPUR GEAR - PINION - MOD 2 z=51	1	106	102	70	16	1.670
54	895278	SPGM2054	SPUR GEAR - PINION - MOD 2 z=54	1	112	108	70	16	1.830
55	895279	SPGM2055	SPUR GEAR - PINION - MOD 2 z=55	1	114	110	70	16	1.880
56	895280	SPGM2056	SPUR GEAR - PINION - MOD 2 z=56	1	116	112	70	16	1.940
57	895281	SPGM2057	SPUR GEAR - PINION - MOD 2 z=57	1	118	114	70	16	1.990
58	895282	SPGM2058	SPUR GEAR - PINION - MOD 2 z=58	1	120	116	70	16	2.050
60	895283	SPGM2060	SPUR GEAR - PINION - MOD 2 z=60	1	124	120	70	16	2.160
62	895284	SPGM2062	SPUR GEAR - PINION - MOD 2 z=62	1	128	124	80	16	2.420
63	895285	SPGM2063	SPUR GEAR - PINION - MOD 2 z=63	1	130	126	80	16	2.480
64	895286	SPGM2064	SPUR GEAR - PINION - MOD 2 z=64	1	132	128	80	16	2.550
65	895287	SPGM2065	SPUR GEAR - PINION - MOD 2 z=65	1	134	130	80	16	2.610
67	895288	SPGM2067	SPUR GEAR - PINION - MOD 2 z=67	1	138	134	80	16	2.740
70	895289	SPGM2070	SPUR GEAR - PINION - MOD 2 z=70	1	144	140	80	16	2.940
72	895290	SPGM2072WH	SPUR GEAR - PINION - MOD 2 z=72 WITHOUT HUB	2	148	144	-	16	2.500
75	895291	SPGM2075WH	SPUR GEAR - PINION - MOD 2 z=75 WITHOUT HUB	2	154	150	-	20	2.710
80	895292	SPGM2080WH	SPUR GEAR - PINION - MOD 2 z=80 WITHOUT HUB	2	164	160	-	20	3.090
85	895293	SPGM2085WH	SPUR GEAR - PINION - MOD 2 z=85 WITHOUT HUB	2	174	170	-	20	3.500
90	895294	SPGM2090WH	SPUR GEAR - PINION - MOD 2 z=90 WITHOUT HUB	2	184	180	-	20	3.930
95	895295	SPGM2095WH	SPUR GEAR - PINION - MOD 2 z=95 WITHOUT HUB	2	194	190	-	20	4.390
100	895296	SPGM2100WH	SPUR GEAR - PINION - MOD 2 z=100 WITHOUT HUB	2	204	200	-	20	4.870
110	895297	SPGM2110WH	SPUR GEAR - PINION - MOD 2 z=110 WITHOUT HUB	2	224	220	-	20	5.900
114	895298	SPGM2114WH	SPUR GEAR - PINION - MOD 2 z=114 WITHOUT HUB	2	232	228	-	20	6.340
120	895299	SPGM2120WH	SPUR GEAR - PINION - MOD 2 z=120 WITHOUT HUB	2	244	240	-	20	7.030
127	895300	SPGM2127WH	SPUR GEAR - PINION - MOD 2 z=127 WITHOUT HUB	2	258	254	-	20	7.890

Module 2.5

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895302	SPGM2.5012	SPUR GEAR - PINION - MOD 2.5 z=12	1	35	30	22	10	0.170
13	895303	SPGM2.5013	SPUR GEAR - PINION - MOD 2.5 z=13	1	37.5	32.5	25	10	0.210
15	895304	SPGM2.5015	SPUR GEAR - PINION - MOD 2.5 z=15	1	42.5	37.5	30	10	0.300
16	895305	SPGM2.5016	SPUR GEAR - PINION - MOD 2.5 z=16	1	45	40	32	12	0.330
17	895306	SPGM2.5017	SPUR GEAR - PINION - MOD 2.5 z=17	1	47.5	42.5	35	12	0.380
18	895307	SPGM2.5018	SPUR GEAR - PINION - MOD 2.5 z=18	1	50	45	35	12	0.420
20	895308	SPGM2.5020	SPUR GEAR - PINION - MOD 2.5 z=20	1	55	50	40	12	0.540
22	895309	SPGM2.5022	SPUR GEAR - PINION - MOD 2.5 z=22	1	60	55	45	14	0.660
24	895310	SPGM2.5024	SPUR GEAR - PINION - MOD 2.5 z=24	1	65	60	45	14	0.740
25	895311	SPGM2.5025	SPUR GEAR - PINION - MOD 2.5 z=25	1	67.5	62.5	50	14	0.850
26	895312	SPGM2.5026	SPUR GEAR - PINION - MOD 2.5 z=26	1	70	65	50	14	0.900
27	895313	SPGM2.5027	SPUR GEAR - PINION - MOD 2.5 z=27	1	72.5	67.5	50	14	0.950
28	895314	SPGM2.5028	SPUR GEAR - PINION - MOD 2.5 z=28	1	75	70	50	14	1.000
29	895315	SPGM2.5029	SPUR GEAR - PINION - MOD 2.5 z=29	1	77.5	72.5	50	14	1.060
30	895316	SPGM2.5030	SPUR GEAR - PINION - MOD 2.5 z=30	1	80	75	55	14	1.180
31	895317	SPGM2.5031	SPUR GEAR - PINION - MOD 2.5 z=31	1	82.5	77.5	55	16	1.220
32	895318	SPGM2.5032	SPUR GEAR - PINION - MOD 2.5 z=32	1	85	80	55	16	1.280
33	895319	SPGM2.5033	SPUR GEAR - PINION - MOD 2.5 z=33	1	87.5	82.5	55	16	1.340
34	895320	SPGM2.5034	SPUR GEAR - PINION - MOD 2.5 z=34	1	90	85	55	16	1.410
37	895321	SPGM2.5037	SPUR GEAR - PINION - MOD 2.5 z=37	1	97.5	92.5	60	16	1.680
38	895322	SPGM2.5038	SPUR GEAR - PINION - MOD 2.5 z=38	1	100	95	60	16	1.750
39	895323	SPGM2.5039	SPUR GEAR - PINION - MOD 2.5 z=39	1	102.5	97.5	60	16	1.830
40	895324	SPGM2.5040	SPUR GEAR - PINION - MOD 2.5 z=40	1	105	100	70	16	2.060
41	895325	SPGM2.5041	SPUR GEAR - PINION - MOD 2.5 z=41	1	107.5	102.5	70	16	2.140
42	895326	SPGM2.5042	SPUR GEAR - PINION - MOD 2.5 z=42	1	110	105	70	16	2.220
44	895327	SPGM2.5044	SPUR GEAR - PINION - MOD 2.5 z=44	1	115	110	70	16	2.380
45	895328	SPGM2.5045	SPUR GEAR - PINION - MOD 2.5 z=45	1	117.5	112.5	70	16	2.470
46	895329	SPGM2.5046	SPUR GEAR - PINION - MOD 2.5 z=46	1	120	115	70	20	2.520
48	895330	SPGM2.5048	SPUR GEAR - PINION - MOD 2.5 z=48	1	125	120	80	20	2.880
50	895331	SPGM2.5050	SPUR GEAR - PINION - MOD 2.5 z=50	1	130	125	80	20	3.070
54	895332	SPGM2.5054	SPUR GEAR - PINION - MOD 2.5 z=54	1	140	135	90	20	3.680
57	895333	SPGM2.5057	SPUR GEAR - PINION - MOD 2.5 z=57	1	147.5	142.5	100	20	4.230
58	895334	SPGM2.5058	SPUR GEAR - PINION - MOD 2.5 z=58	1	150	145	100	20	4.340
60	895335	SPGM2.5060	SPUR GEAR - PINION - MOD 2.5 z=60	1	155	150	100	20	4.570
65	895336	SPGM2.5065WH	SPUR GEAR - PINION - MOD 2.5 z=65 WITHOUT HUB	2	167.5	162.5	-	20	3.990
70	895337	SPGM2.5070WH	SPUR GEAR - PINION - MOD 2.5 z=70 WITHOUT HUB	2	180	175	-	20	4.640
72	895338	SPGM2.5072WH	SPUR GEAR - PINION - MOD 2.5 z=72 WITHOUT HUB	2	185	180	-	20	4.910
80	895339	SPGM2.5080WH	SPUR GEAR - PINION - MOD 2.5 z=80 WITHOUT HUB	2	205	200	-	25	5.480
85	895340	SPGM2.5085WH	SPUR GEAR - PINION - MOD 2.5 z=85 WITHOUT HUB	2	217.5	212.5	-	25	6.040
100	895341	SPGM2.5100WH	SPUR GEAR - PINION - MOD 2.5 z=100 WITHOUT HUB	2	255	250	-	25	8.570
110	895342	SPGM2.5110WH	SPUR GEAR - PINION - MOD 2.5 z=110 WITHOUT HUB	2	280	275	-	25	9.510
120	895343	SPGM2.5120WH	SPUR GEAR - PINION - MOD 2.5 z=120 WITHOUT HUB	2	305	300	-	25	11.530
127	895344	SPGM2.5127WH	SPUR GEAR - PINION - MOD 2.5 z=127 WITHOUT HUB	2	322.5	317.5	-	25	12.390

Module 3

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895346	SPGM3012	SPUR GEAR - PINION - MOD 3 z=12	1	42	36	27	12	13.740
13	895347	SPGM3013	SPUR GEAR - PINION - MOD 3 z=13	1	45	39	30	12	15.400
14	895348	SPGM3014	SPUR GEAR - PINION - MOD 3 z=14	1	48	42	33	12	0.410
15	895349	SPGM3015	SPUR GEAR - PINION - MOD 3 z=15	1	51	45	35	12	0.470
16	895350	SPGM3016	SPUR GEAR - PINION - MOD 3 z=16	1	54	48	38	14	0.540
17	895351	SPGM3017	SPUR GEAR - PINION - MOD 3 z=17	1	57	51	42	14	0.630
18	895352	SPGM3018	SPUR GEAR - PINION - MOD 3 z=18	1	60	54	45	14	0.720
19	895353	SPGM3019	SPUR GEAR - PINION - MOD 3 z=19	1	63	57	45	14	0.780
20	895354	SPGM3020	SPUR GEAR - PINION - MOD 3 z=20	1	66	60	45	14	0.840
21	895355	SPGM3021	SPUR GEAR - PINION - MOD 3 z=21	1	69	63	45	16	0.890
22	895356	SPGM3022	SPUR GEAR - PINION - MOD 3 z=22	1	72	66	50	16	1.020
23	895357	SPGM3023	SPUR GEAR - PINION - MOD 3 z=23	1	75	69	50	16	1.100
24	895358	SPGM3024	SPUR GEAR - PINION - MOD 3 z=24	1	78	72	50	16	1.180
25	895359	SPGM3025	SPUR GEAR - PINION - MOD 3 z=25	1	81	75	60	16	1.390
26	895360	SPGM3026	SPUR GEAR - PINION - MOD 3 z=26	1	84	78	60	16	1.480
27	895361	SPGM3027	SPUR GEAR - PINION - MOD 3 z=27	1	87	81	60	16	1.560
28	895362	SPGM3028	SPUR GEAR - PINION - MOD 3 z=28	1	90	84	60	16	1.660
29	895363	SPGM3029	SPUR GEAR - PINION - MOD 3 z=29	1	93	87	60	16	1.750
30	895364	SPGM3030	SPUR GEAR - PINION - MOD 3 z=30	1	96	90	60	16	1.850
31	895365	SPGM3031	SPUR GEAR - PINION - MOD 3 z=31	1	99	93	60	16	1.950
32	895366	SPGM3032	SPUR GEAR - PINION - MOD 3 z=32	1	102	96	70	16	2.210
33	895367	SPGM3033	SPUR GEAR - PINION - MOD 3 z=33	1	105	99	70	16	2.320
34	895368	SPGM3034	SPUR GEAR - PINION - MOD 3 z=34	1	108	102	70	16	2.430
35	895369	SPGM3035	SPUR GEAR - PINION - MOD 3 z=35	1	111	105	70	16	2.550
36	895370	SPGM3036	SPUR GEAR - PINION - MOD 3 z=36	1	114	108	70	20	2.620
37	895371	SPGM3037	SPUR GEAR - PINION - MOD 3 z=37	1	117	111	70	20	2.740
38	895372	SPGM3038	SPUR GEAR - PINION - MOD 3 z=38	1	120	114	80	20	3.050
39	895373	SPGM3039	SPUR GEAR - PINION - MOD 3 z=39	1	123	117	80	20	3.180
40	895374	SPGM3040	SPUR GEAR - PINION - MOD 3 z=40	1	126	120	80	20	3.310
42	895375	SPGM3042	SPUR GEAR - PINION - MOD 3 z=42	1	132	126	80	20	3.580
43	895376	SPGM3043	SPUR GEAR - PINION - MOD 3 z=43	1	135	129	80	20	3.720
44	895377	SPGM3044	SPUR GEAR - PINION - MOD 3 z=44	1	138	132	90	20	4.070
45	895378	SPGM3045	SPUR GEAR - PINION - MOD 3 z=45	1	141	135	90	20	4.220
47	895379	SPGM3047	SPUR GEAR - PINION - MOD 3 z=47	1	147	141	100	20	4.760
48	895380	SPGM3048	SPUR GEAR - PINION - MOD 3 z=48	1	150	144	100	20	4.920
50	895381	SPGM3050WH	SPUR GEAR - PINION - MOD 3 z=50 WITHOUT HUB	2	156	150	-	20	4.060
52	895382	SPGM3052WH	SPUR GEAR - PINION - MOD 3 z=52 WITHOUT HUB	2	162	156	-	20	4.400
55	895383	SPGM3055WH	SPUR GEAR - PINION - MOD 3 z=55 WITHOUT HUB	2	171	165	-	20	4.930
57	895384	SPGM3057WH	SPUR GEAR - PINION - MOD 3 z=57 WITHOUT HUB	2	177	171	-	20	5.300
60	895385	SPGM3060WH	SPUR GEAR - PINION - MOD 3 z=60 WITHOUT HUB	2	186	180	-	20	5.890
65	895386	SPGM3065WH	SPUR GEAR - PINION - MOD 3 z=65 WITHOUT HUB	2	201	195	-	20	6.920
70	895387	SPGM3070WH	SPUR GEAR - PINION - MOD 3 z=70 WITHOUT HUB	2	216	210	-	25	8.000
75	895388	SPGM3075WH	SPUR GEAR - PINION - MOD 3 z=75 WITHOUT HUB	2	231	225	-	25	9.210
76	895389	SPGM3076WH	SPUR GEAR - PINION - MOD 3 z=76 WITHOUT HUB	2	234	228	-	25	9.460
80	895390	SPGM3080WH	SPUR GEAR - PINION - MOD 3 z=80 WITHOUT HUB	2	246	240	-	25	10.490
85	895391	SPGM3085WH	SPUR GEAR - PINION - MOD 3 z=85 WITHOUT HUB	2	261	255	-	25	11.860
90	895392	SPGM3090WH	SPUR GEAR - PINION - MOD 3 z=90 WITHOUT HUB	2	276	270	-	25	13.320
100	895393	SPGM30100WH	SPUR GEAR - PINION - MOD 3 z=100 WITHOUT HUB	2	306	300	-	25	16.480
120	895394	SPGM30120WH	SPUR GEAR - PINION - MOD 3 z=120 WITHOUT HUB	2	366	360	-	30	23.740
127	895395	SPGM30127WH	SPUR GEAR - PINION - MOD 3 z=127 WITHOUT HUB	2	387	381	-	30	26.610

Pinions

Module 4

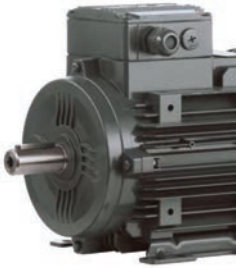
No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895397	SPGM4012	SPUR GEAR - PINION - MOD 4 z=12	1	56	48	35	14	0.630
13	895398	SPGM4013	SPUR GEAR - PINION - MOD 4 z=13	1	60	52	40	14	0.780
14	895399	SPGM4014	SPUR GEAR - PINION - MOD 4 z=14	1	64	56	45	14	0.930
15	895400	SPGM4015	SPUR GEAR - PINION - MOD 4 z=15	1	68	60	45	14	1.050
16	895401	SPGM4016	SPUR GEAR - PINION - MOD 4 z=16	1	72	64	50	16	1.200
17	895402	SPGM4017	SPUR GEAR - PINION - MOD 4 z=17	1	76	68	50	16	1.330
18	895403	SPGM4018	SPUR GEAR - PINION - MOD 4 z=18	1	80	72	50	16	1.470
19	895404	SPGM4019	SPUR GEAR - PINION - MOD 4 z=19	1	84	76	60	16	1.750
20	895405	SPGM4020	SPUR GEAR - PINION - MOD 4 z=20	1	88	80	60	16	1.900
21	895406	SPGM4021	SPUR GEAR - PINION - MOD 4 z=21	1	92	84	70	16	2.220
22	895407	SPGM4022	SPUR GEAR - PINION - MOD 4 z=22	1	96	88	70	16	2.390
23	895408	SPGM4023	SPUR GEAR - PINION - MOD 4 z=23	1	100	92	75	20	2.600
24	895409	SPGM4024	SPUR GEAR - PINION - MOD 4 z=24	1	104	96	75	20	2.790
25	895410	SPGM4025	SPUR GEAR - PINION - MOD 4 z=25	1	108	100	75	20	2.980
26	895411	SPGM4026	SPUR GEAR - PINION - MOD 4 z=26	1	112	104	75	20	3.180
27	895412	SPGM4027	SPUR GEAR - PINION - MOD 4 z=27	1	116	108	75	20	3.390
28	895413	SPGM4028	SPUR GEAR - PINION - MOD 4 z=28	1	120	112	75	20	3.600
30	895414	SPGM4030	SPUR GEAR - PINION - MOD 4 z=30	1	128	120	75	20	4.060
32	895415	SPGM4032	SPUR GEAR - PINION - MOD 4 z=32	1	136	128	80	20	4.640
34	895416	SPGM4034	SPUR GEAR - PINION - MOD 4 z=34	1	144	136	80	20	5.160
35	895417	SPGM4035	SPUR GEAR - PINION - MOD 4 z=35	1	148	140	80	20	5.430
36	895418	SPGM4036	SPUR GEAR - PINION - MOD 4 z=36	1	152	144	80	25	5.630
38	895419	SPGM4038WH	SPUR GEAR - PINION - MOD 4 z=38 WITHOUT HUB	2	160	152	-	25	5.200
40	895420	SPGM4040WH	SPUR GEAR - PINION - MOD 4 z=40 WITHOUT HUB	2	168	160	-	25	6.110
45	895421	SPGM4045WH	SPUR GEAR - PINION - MOD 4 z=45 WITHOUT HUB	2	188	180	-	25	7.780
48	895422	SPGM4048WH	SPUR GEAR - PINION - MOD 4 z=48 WITHOUT HUB	2	200	192	-	25	8.870
50	895423	SPGM4050WH	SPUR GEAR - PINION - MOD 4 z=50 WITHOUT HUB	2	208	200	-	25	9.650
52	895424	SPGM4052WH	SPUR GEAR - PINION - MOD 4 z=52 WITHOUT HUB	2	216	208	-	25	10.450
55	895425	SPGM4055WH	SPUR GEAR - PINION - MOD 4 z=55 WITHOUT HUB	2	228	220	-	25	11.710
57	895426	SPGM4057WH	SPUR GEAR - PINION - MOD 4 z=57 WITHOUT HUB	2	236	228	-	25	12.590
60	895427	SPGM4060WH	SPUR GEAR - PINION - MOD 4 z=60 WITHOUT HUB	2	248	240	-	25	13.970
65	895428	SPGM4065WH	SPUR GEAR - PINION - MOD 4 z=65 WITHOUT HUB	2	268	260	-	25	16.430
75	895429	SPGM4075WH	SPUR GEAR - PINION - MOD 4 z=75 WITHOUT HUB	2	308	300	-	25	21.940
100	895430	SPGM4100WH	SPUR GEAR - PINION - MOD 4 z=100 WITHOUT HUB	2	408	400	-	25	39.110

Module 5

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895432	SPGM5012	SPUR GEAR - PINION - MOD 5 z=12	1	70	60	45	16	1.210
13	895433	SPGM5013	SPUR GEAR - PINION - MOD 5 z=13	1	75	65	50	16	1.470
14	895434	SPGM5014	SPUR GEAR - PINION - MOD 5 z=14	1	80	70	55	20	1.760
15	895435	SPGM5015	SPUR GEAR - PINION - MOD 5 z=15	1	85	75	60	20	2.070
16	895436	SPGM5016	SPUR GEAR - PINION - MOD 5 z=16	1	90	80	65	20	2.400
17	895437	SPGM5017	SPUR GEAR - PINION - MOD 5 z=17	1	95	85	70	20	2.750
18	895438	SPGM5018	SPUR GEAR - PINION - MOD 5 z=18	1	100	90	70	20	3.020
19	895439	SPGM5019	SPUR GEAR - PINION - MOD 5 z=19	1	105	95	70	20	3.300
20	895440	SPGM5020	SPUR GEAR - PINION - MOD 5 z=20	1	110	100	80	20	3.830
21	895441	SPGM5021	SPUR GEAR - PINION - MOD 5 z=21	1	115	105	80	20	4.150
22	895442	SPGM5022	SPUR GEAR - PINION - MOD 5 z=22	1	120	110	80	20	4.480
23	895443	SPGM5023	SPUR GEAR - PINION - MOD 5 z=23	1	125	115	90	20	5.080
24	895444	SPGM5024	SPUR GEAR - PINION - MOD 5 z=24	1	130	120	90	20	5.440
25	895445	SPGM5025	SPUR GEAR - PINION - MOD 5 z=25	1	135	125	90	20	5.820
26	895446	SPGM5026	SPUR GEAR - PINION - MOD 5 z=26	1	140	130	100	20	6.500
27	895447	SPGM5027	SPUR GEAR - PINION - MOD 5 z=27	1	145	135	100	20	6.910
28	895448	SPGM5028	SPUR GEAR - PINION - MOD 5 z=28	1	150	140	100	25	7.220
29	895449	SPGM5029	SPUR GEAR - PINION - MOD 5 z=29	1	155	145	110	25	7.980
30	895450	SPGM5030	SPUR GEAR - PINION - MOD 5 z=30	1	160	150	110	25	8.440
32	895451	SPGM5032WH	SPUR GEAR - PINION - MOD 5 z=32 WITHOUT HUB	2	170	160	-	25	7.620
35	895452	SPGM5035WH	SPUR GEAR - PINION - MOD 5 z=35 WITHOUT HUB	2	185	175	-	25	9.160
38	895453	SPGM5038WH	SPUR GEAR - PINION - MOD 5 z=38 WITHOUT HUB	2	200	190	-	25	10.840
40	895454	SPGM5040WH	SPUR GEAR - PINION - MOD 5 z=40 WITHOUT HUB	2	210	200	-	25	12.040
45	895455	SPGM5045WH	SPUR GEAR - PINION - MOD 5 z=45 WITHOUT HUB	2	235	225	-	25	15.300
48	895456	SPGM5048WH	SPUR GEAR - PINION - MOD 5 z=48 WITHOUT HUB	2	250	240	-	25	17.440
50	895457	SPGM5050WH	SPUR GEAR - PINION - MOD 5 z=50 WITHOUT HUB	2	260	250	-	30	18.860
60	895458	SPGM5060WH	SPUR GEAR - PINION - MOD 5 z=60 WITHOUT HUB	2	310	300	-	30	27.310
65	895459	SPGM5065WH	SPUR GEAR - PINION - MOD 5 z=65 WITHOUT HUB	2	335	325	-	30	32.120
80	895460	SPGM5080WH	SPUR GEAR - PINION - MOD 5 z=80 WITHOUT HUB	2	410	400	-	30	48.840
95	895461	SPGM5095WH	SPUR GEAR - PINION - MOD 5 z=95 WITHOUT HUB	2	485	475	-	30	69.030
100	895462	SPGM5100WH	SPUR GEAR - PINION - MOD 5 z=100 WITHOUT HUB	2	510	500	-	30	76.530

Module 6

No. of teeth	RX Eng.code	Generic code	Description	Type	De	Dp	d	D	Product weight Kg
12	895464	SPGM6012	SPUR GEAR - PINION - MOD 6 z=12	1	84	72	54	20	1.980
15	895465	SPGM6015	SPUR GEAR - PINION - MOD 6 z=15	1	102	90	70	20	3.290
16	895466	SPGM6016	SPUR GEAR - PINION - MOD 6 z=16	1	108	96	75	20	3.800
18	895467	SPGM6018	SPUR GEAR - PINION - MOD 6 z=18	1	120	108	80	20	4.760
20	895468	SPGM6020	SPUR GEAR - PINION - MOD 6 z=20	1	132	120	90	20	5.990
24	895469	SPGM6024	SPUR GEAR - PINION - MOD 6 z=24	1	156	144	110	25	8.700
25	895470	SPGM6025	SPUR GEAR - PINION - MOD 6 z=25	1	162	150	110	25	9.330
40	895471	SPGM6040WH	SPUR GEAR - PINION - MOD 6 z=40 WITHOUT HUB	2	252	240	-	25	20.750



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