



Ground excellence worldwide

BELLOTA

A GROWING BRAND OF





AGRISOLUTIONS

joining brands, sharing knowledge

**We are the global leader in
agricultural machinery components
and solutions for soil preparation,
sowing, and harvesting.**



AGRISOLUTIONS, THE PARTNER

Agrisolutions is unquestionably a partner of the world's largest agricultural machinery manufacturers.

Our commitment is to design and develop innovative technology solutions in collaboration with our customers. Our team's professionalism and reliability have been reaffirmed by the trust placed in us by over 500 OEMs and major distributors worldwide. All of this makes **Agrisolutions** the industry's preferred partner.



RECOGNITION WORLDWIDE

For over 100 years **BELLOTA** has been manufacturing components and tools for the most demanding farmers worldwide. Due to the high quality of its products, both in terms of durability and finish, farmers all over the world want to equip their tillage and sowing machines with **BELLOTA** products.

Due to its presence in each corner of the globe, both as a manufacturer of agricultural machinery and as a distributor **BELLOTA** has an in-depth understanding of the various agriculture practices carried out around the world and constantly adjusts its products to meet the evolving demands of farmers.

Ground excellence worldwide





BELLOTA, A LIFETIME GUARANTEE

Throughout **BELLOTA**'s century-long history thousands of professionals from all over the world have discovered that working with **BELLOTA** products makes their work more exact and uniform, preventing breakages and time loss with products that last longer. This leads to greater profitability.

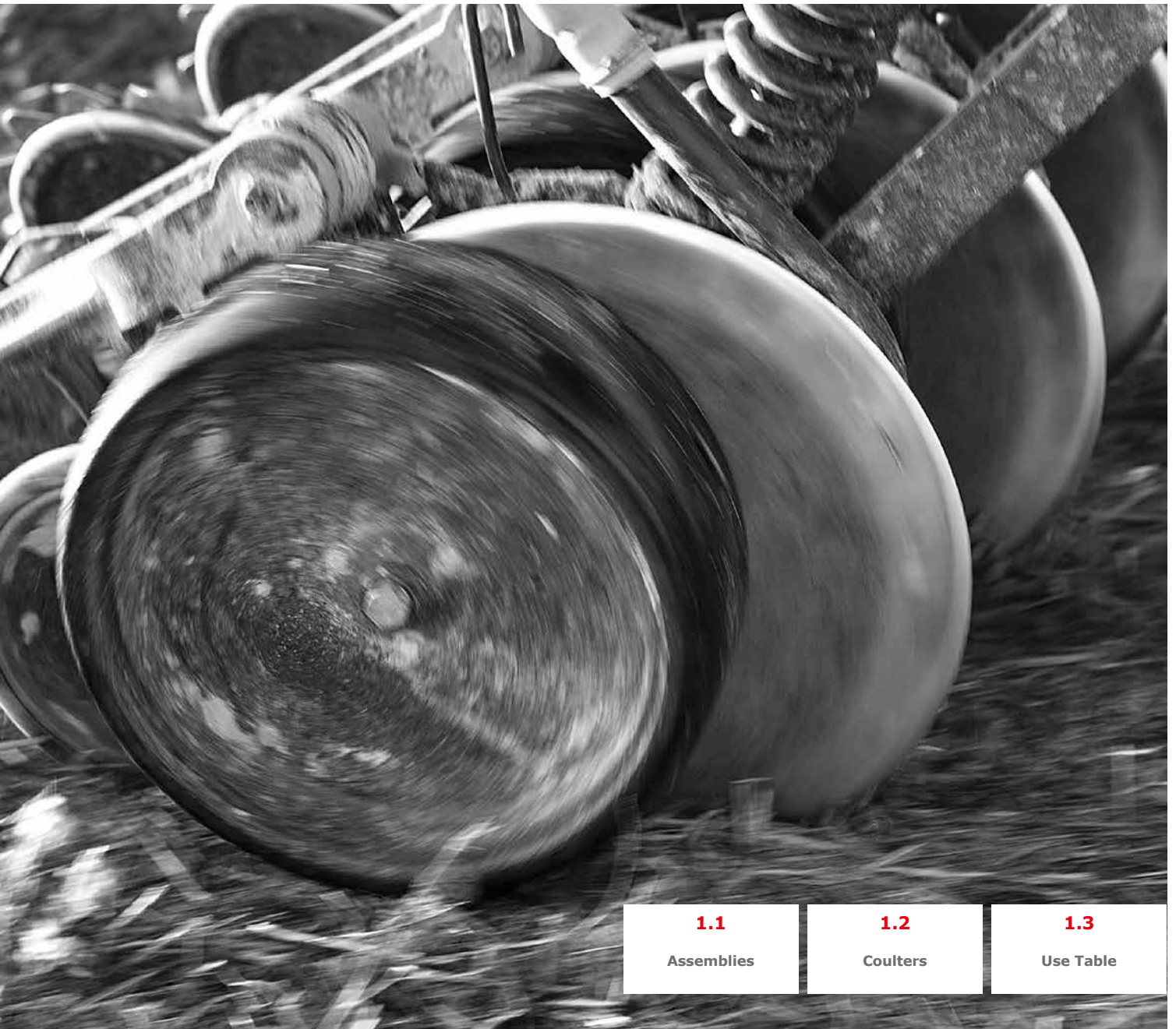
For this reason, **BELLOTA** provides a lifetime guarantee for our products against any manufacturing defects. Because we are very sure of what we do.



Quality
Management
Award
2012

1

PLANTERS AND SEED DRILL



1.1
Assemblies

1.2
Coulters

1.3
Use Table

CASE



Inline Openers



Offset Openers



Thanks to the patented technology of Bellota, both warping and flatness are 100% guaranteed in all assemblies.



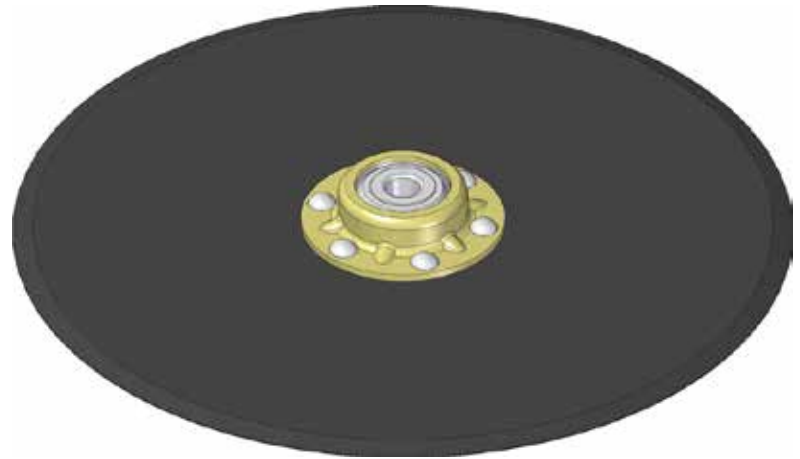
Outside Bevel



Inside Bevel



Double Bevel



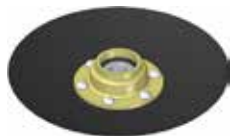
EN-1435-0003

Ref.	Original Ref.	ø "	→ ←	Grs.	Type of bevel	Disc
EN-08-25-0002	1277891	8"	2,5	1.040	Outside bevel	CNH08RB925MJNE
EN-14-35-0001	84389196-L	14"	3,5	2.950	Outside bevel	8114R4035JONE
EN-14-35-0002	84389195-T	14"	3,5	2.950	Inside Bevel	8114R4035JONE
EN-14-35-0004	84398746-T	14"	3,5	2.950	Inside bevel	8114R4035J2NE
EN-14-35-0003	84398745-L	14"	3,5	2.950	Outside bevel	8114R4035J2NE
EN-14-45-0003	84416318-L	14"	4,5	3.670	Double bevel	8314R4045J2NE
EN-14-45-0004	84416319-T	14"	4,5	3.670	Double bevel	8314R4045J2NE

L:Leading opener.T:Trailing opener.

Offset openers, except CASE 1277891 that is covering disc (Concave)

EN-08-25-0002



EN-1435-0001



EN-1435-0003



GREAT PLAINS



Inline Openers



Offset Openers



Thanks to the patented technology of Bellota, both warping and flatness are 100% guaranteed in all assemblies.



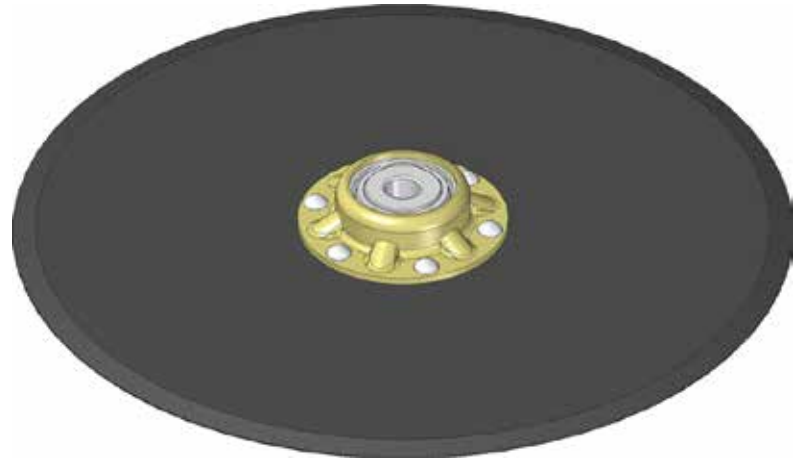
Outside Bevel



Inside Bevel



Double Bevel



EN-13530-0002

Ref.	Original Ref.	ø "	→ ←	Grs.	Type of bevel	Disc
EN-135-30-0002	107-135S	13,5"	3	2.460	Outside bevel	81135RC63K7NE
EN-135-40-0001	107-138S	13,5"	4"	2.460	Outside bevel	81135RC64K7NE

Inline openers.
Metallic dust cap.
205 series bearing

EN-13540-0001



EN-1540-0001



KINZE



Inline Openers



Offset Openers



Thanks to the patented technology of Bellota, both warping and flatness are 100% guaranteed in all assemblies.



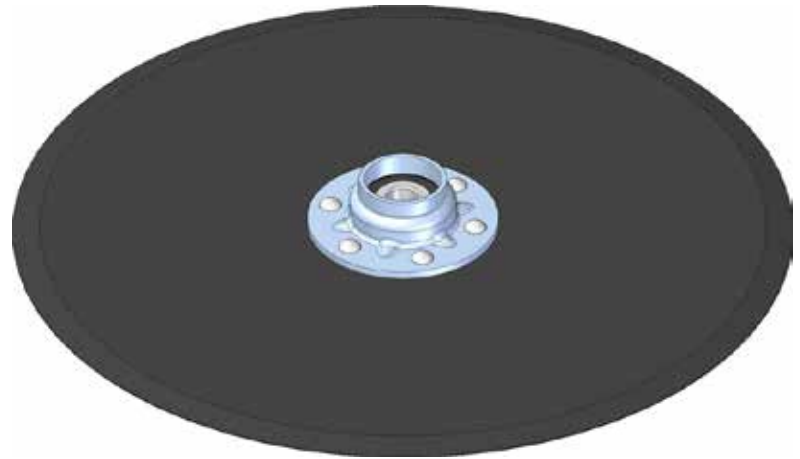
Outside Bevel



Inside Bevel



Double Bevel



EN-1535-0005

Ref.	Original Ref.	ø "		Grs.	Type of bevel	Disc
EN-15-35-0005	GA8324	15"	3,5	3.220	Outside bevel	8115RB935J9NLB

Inline openers.
Dust cap
204 series bearing

SUNFLOWER



Inline Openers



Offset Openers



Thanks to the patented technology of Bellota, both warping and flatness are 100% guaranteed in all assemblies.



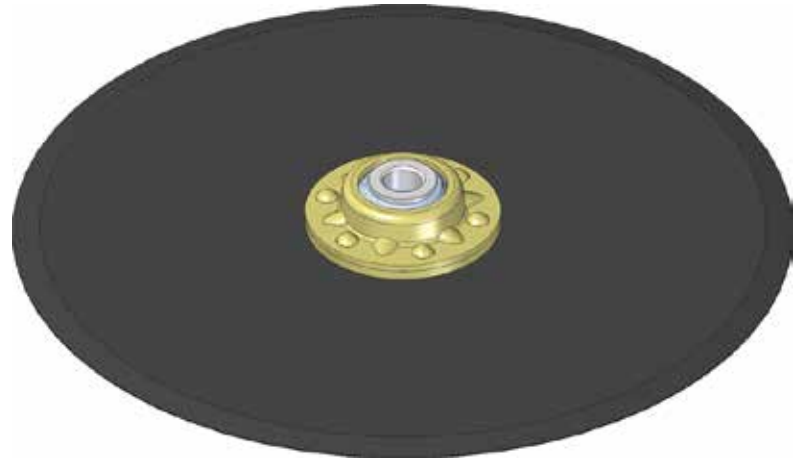
Outside Bevel




Inside Bevel



Double Bevel



EN-1535-0003

Ref.	Original Ref.	ø "		Grs.	Type of bevel	Disc
EN-15-35-0003	SN9753N	15"	3,5	3.450	Outside bevel	8115RCX35JWOBNE
EN-15-35-0004	SN7261	15"	3,5	3.450	Inside bevel	8115RCX35JWBSNE

205 series bearing

SN9753N inline opener, SN7261 offset opener



1981- 1983
Plain

12



1981 - 1983
Notched

13



1990
55 Waves

14



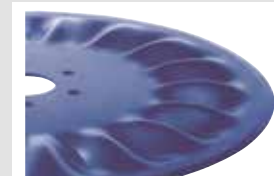
1991
55 Waves

15



1993 - 1994
8 Waves

16



1999
18 Waves

17



1995 - 1996
13 Waves

18



1997 - 1998
25 Waves

19



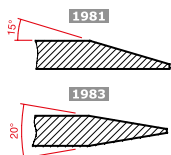
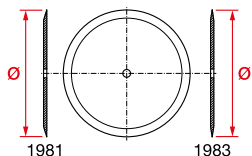
1928 AKER
18 Waves

20


1981- 1983 PLAIN



+ Boron steel. Integral hardening to avoid deformations and rupture.

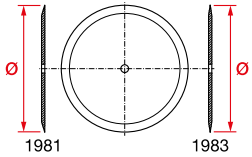


1981 - 1983

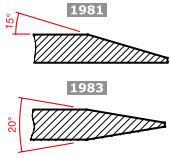
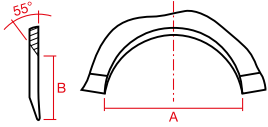
ø "	ø mm	- -	Grs.		F
10"	255 mm	2,5	920	50	38
12"	305 mm	3	1.780	50	53
13"	333 mm	3	1.810	50	44
13,5"	343 mm	4	2.700	50	36
14"	351 mm	3,5	2.500	50	33
14"	351 mm	5	3.560	50	48
15"	381 mm	3	2.500	50	29
15"	381 mm	4	3.280	50	33
15"	381 mm	5	4.150	50	33
15,5"	394 mm	5	4.350	50	32
16"	406 mm	3	2.850	50	16
16"	406 mm	4	3.830	50	16
16"	406 mm	4,5	4.300	50	22
16"	406 mm	5	4.780	50	16
17"	433 mm	4	4.250	50	16
17,5"	450 mm	4	4.400	50	16
18"	457 mm	3,5	4.080	50	16
18"	457 mm	5	5.840	50	16
18"	457 mm	6	6.970	50	16
20"	508 mm	3,5	5.230	50	16
20"	508 mm	5	7.430	50	16
20"	508 mm	6	8.840	50	16
22"	582 mm	5	9.820	50	14
22"	582 mm	6	11.700	50	14
24"	610 mm	5	10.810	50	14
24"	610 mm	6	12.890	50	14
26"	660 mm	8	21.500	25	12
28"	711 mm	8	21.500	25	12
30"	762 mm	10	38.000	20	10
32"	813 mm	10	41.300	20	10

Consult for other diameter and thickness availability
 Good cut and penetration. Minimum tilling action.

1981 - 1983 NOTCHED



+ Boron steel. Integral hardening to avoid deformations and rupture.



1981 M

∅ "	∅ mm	- -	Grs.		Number of notches	A	B	F
16"	406 mm	3,5	3.050	50	8	94	35	16
16"	406 mm	4	3.490	50	8	94	35	16
16"	406 mm	5	4.340	50	8	94	35	16
18"	457 mm	3,5	3.590	50	9	94	35	16
18"	457 mm	4	4.110	50	9	94	35	16
18"	457 mm	5	5.120	50	9	94	35	16
18"	457 mm	6	6.100	50	9	94	35	16
20"	508 mm	3,5	4.700	50	10	94	35	16
20"	508 mm	4	5.370	50	10	94	35	16
20"	508 mm	4,5	6.020	50	10	94	35	16
20"	508 mm	5	6.660	50	10	94	35	16
20"	508 mm	6	7.920	50	10	94	35	16
22"	582 mm	4	7.170	50	11	94	35	14
22"	582 mm	4,5	8.050	50	11	94	35	14
22"	582 mm	5	8.910	50	11	94	35	14
22"	582 mm	6	10.610	50	11	94	35	14
24"	610 mm	5	9.820	50	12	94	35	14
24"	610 mm	6	11.700	50	12	94	35	14
26"	660 mm	6	14.500	25	13	98	40	12
26"	660 mm	8	19.500	25	13	98	40	12
28"	711 mm	6	16.800	25	14	98	40	12
28"	711 mm	8	22.340	25	14	98	40	12

Good penetration and cut with high residues. Minimum tilling action
Notches are the standard Bellota notch, but these can be made according to the customer's requirement.

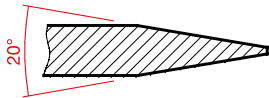
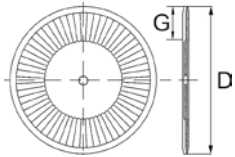
1981M - 1983M




1990 55 WAVES



+ Boron steel. Integral hardening to avoid deformations and rupture.



1990

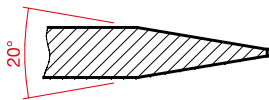
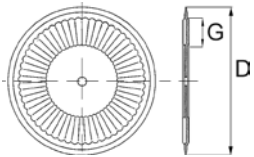
ø "	ø mm	→ ←	Grs.		G	Nº waves	F
15"	381 mm	4	3.300	50	34,5	55	33
16"	406 mm	4	3.830	50	47	55	16
16"	406 mm	4,5	4.300	50	47	55	16
16"	406 mm	5	4.780	50	47	55	16
16,5"	423 mm	3,5	3.480	50	56	55	16
16,5"	423 mm	4	3.990	50	56	55	16
16,5"	423 mm	5	4.980	50	56	55	16
17"	433 mm	3,5	3.700	50	61	55	16
17"	433 mm	4	4.250	50	61	55	16
17"	433 mm	4,5	4.790	50	61	55	16
18"	457 mm	4	4.680	50	73	55	16
18"	457 mm	5	5.840	50	73	55	16
20"	508 mm	4	5.970	50	73	60	16
20"	508 mm	4,5	5.700	50	73	60	16
20"	508 mm	5	7.430	50	73	60	16

Good cut and penetration. Minimum tilling action, ideal for variable soil conditions.

1991 55 WAVES



+ Boron steel. Integral hardening to avoid deformations and rupture.



1991

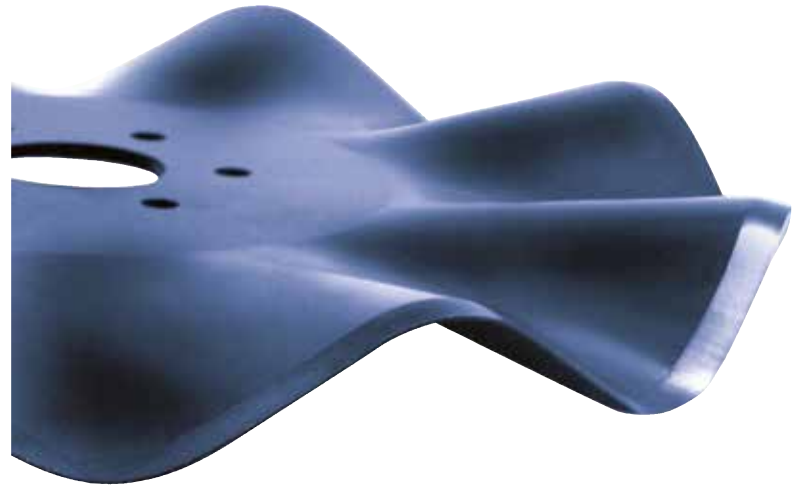
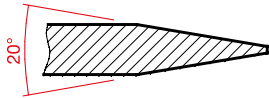
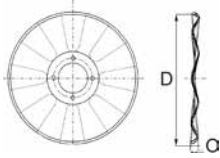
ø "	ø mm	→ ←	Grs.		G	Nº waves	F
20"	508 mm	4,5	6.700	50	70	55	16
20"	508 mm	5	7.430	50	70	55	16
22"	582 mm	4,5	8.860	50	89	60	14
22"	582 mm	5	9.820	50	89	60	14
22"	582 mm	6	11.170	50	89	60	14

Good cut and penetration. Minimum tilling action, ideal for variable soil conditions.

1993 - 1994 8 WAVES



+
Boron steel. Integral hardening to avoid deformations and rupture.



1993-1994

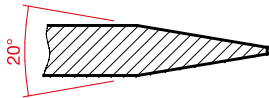
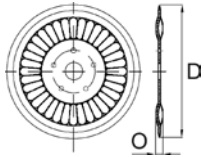
Ref.	ø "	ø mm	→ ←	Gr.		Nº waves	O	Flat Centre	F
1993	14,5"	370 mm	4	2.930	50	8	19	178 mm	32
	15"	383 mm	4,5	3.800	50	8	20	178 mm	32
	16"	403mm	3,5	3.340	50	8	21	178 mm	16
	16"	403 mm	4,5	4.300	50	8	22	178 mm	16
	17,5"	446 mm	4	4.400	50	8	25,5	178 mm	16
	17,5"	446 mm	5	5.550	50	8	26,5	178 mm	16
	18"	453 mm	4	4.680	50	8	26	178 mm	16
	18"	453 mm	5	5.840	50	8	27	178 mm	16
	20"	520 mm	5	7.910	50	8	32,5	178 mm	16
20"	520 mm	6	9.390	50	8	33,5	178 mm	16	
1994	14"	352 mm	4	2.960	50	8	32	178 mm	36
	16"	397 mm	3,5	3.340	50	8	37	178 mm	16
	16"	397 mm	4,5	4.300	50	8	38	178 mm	16
	16"	397 mm	5	4.780	50	8	38,5	178 mm	16
	17"	439 mm	4,5	4.980	50	8	46	178 mm	16
	17"	439 mm	5	5.550	50	8	46,5	178 mm	16
	18"	449 mm	4	4.680	50	8	46	178 mm	16
	18"	449 mm	5	5.840	50	8	47	178 mm	16
	20"	512 mm	5	7.910	50	8	58	178 mm	16
	20"	512 mm	6	9.390	50	8	59	178 mm	16
	22"	545 mm	4	7.620	50	8	64	178 mm	16
	22"	545 mm	4,5	8.600	50	8	64,5	178 mm	16
	22"	545 mm	5	9.576	50	8	65	178 mm	16
22"	545 mm	6	10.450	50	8	66	178 mm	14	

Moderate cut and penetration. Aggressive tilling action.
Consult for other diameter and thickness availability


1999 18 WAVES



+ Boron steel. Integral hardening to avoid deformations and rupture.



1999

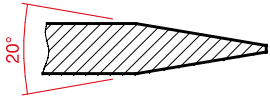
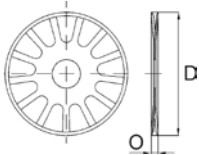
ø "	ø mm	— —	Grs.		Nº waves	O	Flat Centre	F
16"	404 mm	4	3.830	50	18	19	210 mm	16
16"	404 mm	4,5	4.300	50	18	19,5	210 mm	16
16"	404 mm	5	4.780	50	18	20	210 mm	16

Moderate penetration and tilling action. Good cut. Possible compacting in humid soil.


1995 - 1996 13 WAVES



+ Boron steel. Integral hardening to avoid deformations and rupture.

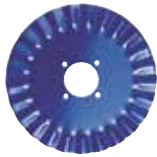


1995-1996

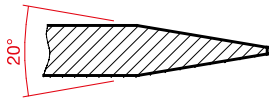
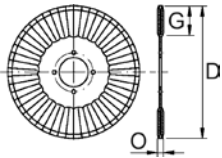
Ref.	ø "	ø mm	→ ←	Grs.		Nº waves	O	Flat Centre	F
1995	13,5"	343 mm	4	2.690	50	13	12	229 mm	36
	14"	360 mm	4	2.960	50	13	13	229 mm	36
	15"	383 mm	4	3.380	50	13	15	229 mm	32
	16"	406 mm	4	3.800	50	13	17	229 mm	16
	16"	406 mm	4,5	4.330	50	13	17,5	229 mm	16
	17"	430 mm	4	4.250	50	13	19	229 mm	16
	17"	430 mm	4,5	4.790	50	13	19,5	229 mm	16
	17"	430 mm	5	5.350	50	13	20	229 mm	16
	18"	454 mm	3,5	4.080	50	13	20,5	229 mm	16
	18"	454 mm	4	4.680	50	13	21	229 mm	16
	18"	454 mm	4,5	5.270	50	13	21,5	229 mm	16
	18"	454 mm	5	5.840	50	13	22	229 mm	16
	20"	504 mm	4	5.970	50	13	27	229 mm	16
	20"	504 mm	4,5	6.700	50	13	27,5	229 mm	16
	20"	504 mm	5	7.430	50	13	28	229 mm	16
20"	504 mm	6	8.840	50	13	29	229 mm	16	
22"	559 mm	4,5	8.600	50	13	30	229 mm	16	
22"	559 mm	5	9.576	50	13	30,5	229 mm	16	
1996	15"	381 mm	4	3.380	50	13	22	229 mm	32
	15"	381 mm	4,5	3.800	50	13	22,5	229 mm	32
	16"	404 mm	4,5	4.330	50	13	25,5	229 mm	16
	17"	428 mm	4,5	4.790	50	13	28,5	229 mm	16
	17"	428 mm	5	5.350	50	13	29	229 mm	16
	18"	450 mm	4,5	5.390	50	13	31	229 mm	16
	18"	450 mm	5	5.560	50	13	31,5	229 mm	16
	18"	450 mm	6	5.840	50	13	32,5	229 mm	16
	20"	498 mm	4,5	6.700	50	13	40,5	229 mm	16
	20"	498 mm	5	7.430	50	13	41	229 mm	16

Moderate cut and penetration. Good tilling action, effective at low speed. Consult for other diameter and thickness availability

1997 - 1998 25 WAVES



+ Boron steel. Integral hardening to avoid deformations and rupture.



1997-1998

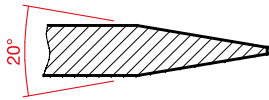
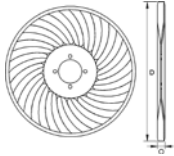
Ref.	ø "	ø mm	→ ←	Grs.		Nº waves	G	O	Flat Centre	F
1997	13,5"	340 mm	4	2.960	50	25	49,5	15,5	241 mm	36
	15"	379 mm	4	3.280	50	25	69	15,5	241 mm	32
	15"	379 mm	4,5	4.010	50	25	69	16	241 mm	33
	16"	404 mm	4	3.830	50	25	82	15,5	241 mm	16
	16"	404 mm	4,5	4.300	50	25	82	16	241 mm	16
	16"	404 mm	5	4.780	50	25	82	16,5	241 mm	16
	17"	431 mm	4	4.790	50	25	95	15,5	241 mm	16
	17"	431 mm	4,5	4.790	50	25	95	16	241 mm	16
1998	17,5"	448 mm	4,5	5.170	50	25	103,5	16	241mm	16
	17,5"	448 mm	4	4.400	50	25	75	15,5	298 mm	16
	17,5"	448 mm	4,5	5.170	50	25	75	16	298 mm	16
	18"	455 mm	4	4.680	50	25	79	15,5	298 mm	16
	18"	455 mm	4,5	5.270	50	25	79	16	298 mm	16
	18"	455 mm	5	5.840	50	25	79	16,5	298 mm	16
	20"	506 mm	4	5.970	50	25	104	15,5	298 mm	16
	20"	506 mm	4,5	6.700	50	25	104	16	298 mm	16
	20"	506 mm	5	7.430	50	25	104	16,5	298 mm	16

Moderate cut and penetration. Medium tilling action. Adequate for dry and sandy soil.

1928 AKER 18 WAVES



+
Boron steel. Integral hardening to avoid deformations and rupture.




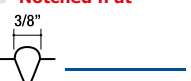





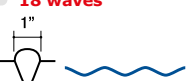



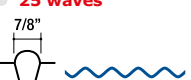






1928 AKER

ø "	ø mm	— —	Grs.		Nº waves	O	Flat Centre	F
13,5"	350 mm	3	2.250	50	18	13,5	220 mm	42
15"	381 mm	4	3.380	50	18	14,5	220 mm	32
16"	404 mm	3	2.640	50	18	13,5	220 mm	16
16"	404 mm	4	4.000	50	18	14,5	220 mm	16
16"	404 mm	5	4.780	50	18	15,5	220 mm	16
17"	431 mm	4	4.250	50	18	14,5	220 mm	16
17"	431 mm	4,5	4.790	50	18	15	220 mm	16
17"	431 mm	5	5.350	50	18	15,5	220 mm	16
18"	455 mm	4	4.680	50	18	14,5	220 mm	16
18"	455 mm	5	5.840	50	18	15,5	220 mm	16
20"	506 mm	5	7.430	50	18	15,5	220 mm	16
20"	506 mm	6	8.840	50	18	16,5	220 mm	16
22"	580 mm	5	9.820	50	18	15,5	220 mm	16
22"	580 mm	6	11.170	50	18	16,5	220 mm	16

Good penetration and cut with high residues. Aggressive tilling action. Suitable for working at high speed.

BELLOTA's knowledge and experience with seed- drill discs guarantees a consistent and precise job, in order to provide the best solution for each situation.

	Soil tilling action			Soil tilth				Soil conditions				Speed			Tillage practice		
	Low	Moderate	High	High	Medium	Fine	Extrafine	Dry	Humid	Sandy	Thick	Low	Medium	High	Direct	Conservation	Conventional
 <p>Flat 3/8"</p> 	●							●	●	●	●			●	●	●	●
 <p>Notched fl at 3/8"</p> 	●							●		●	●			●	●	●	●
 <p>8 waves 1 1/4"</p> 			●	●	●			●		●	●			●	●	●	●
 <p>13 waves 1"</p> 			●	●	●	●		●		●	●			●	●	●	●
 <p>18 waves 1"</p> 		●		●	●			●		●	●					●	●
 <p>18 waves 1/2"</p> 		●	●		●	●		●	●	●	●			●	●	●	●
 <p>25 waves 7/8"</p> 		●					●	●		●	●			●	●	●	●
 <p>50 waves 3/8"</p> 	●				●			●	●	●	●			●	●		
 <p>50 waves with edge 3/8"</p> 	●							●	●	●	●			●	●		

2

CURVED SUBSOILER



1
PLANTERS AND SEED DRILL

2
CURVED SUBSOILER

3
CULTIVATOR

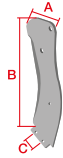
4
DISC HARROW

5
PLOUGH

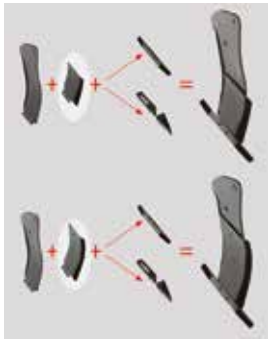
2.1

Curved Subsoiler

HARD PAN ELIMINATOR OF 800



+
Hollows the soil without disturbing it, leaving the vegetation practically intact



800

Ref.	— —	Grs.		A	B	C	M
15010-A D CA	15	23.200	40	300	820	80	15015T
15010-A I CA	15	23.200	40	300	820	80	15015T
15010-B D CA	15	23.200	40	300	820	80	15015T
15010-B I CA	15	23.200	40	300	820	80	15015T
15008-A D CA	8	5.050	200	295	295	80	15015T
15008-A I CA	8	5.050	200	295	295	80	15015T
15008-B D CA	8	7.830	130	295	465	80	15015T
15008-B I CA	8	7.830	130	295	465	80	15015T
15009	40x60	7.200	135	40	580	80	15015-T
15009-MA	40x50	3.800	250	60	314	80	15009-KIT
15009-PA		1.850	575	67	147	58	15009-KIT
15009-PC		1.850	500	67	147	58	15009-KIT
15009-KIT		65	5.000				
15015-T		300	2.000				

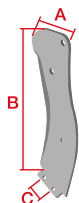
15009: Ambidextrous

PC: Case hardened interchangeable point (62HRc)

15015-T consists of: 2 bolts 1199B1440AESP, 2 grooved pins 16x60 mm, 2 grooved pin 10x60 mm and a 30 mm washer.



HARD PAN ELIMINATOR OF 600



+
Hollows the soil without disturbing it, leaving the vegetation practically intact



600

Ref.		Gr.		A	B	C	M
15010-600 A D CA	12	8.630	100	160	600	85	15009-600-KIT
15010-600 A I CA	12	8.630	100	160	600	85	15009-600-KIT
15008-600 A D CA	8	2.900	300	230	200	85	15009-600-KIT
15008-600 A I CA	8	2.900	300	230	200	85	15009-600-KIT
15009-600-KIT		250	2.000				
15009-600 A	40x50	5.000	170	40	532	85	15009-600-KIT

15009: Ambidextrous

15009-600 KIT consists of: 2 x 1199B1440 bolts, 2 x 14x50mm grooved pins, 2 x 5x50mm grooved pins and a 30mm washer.

15010-600



15008-600



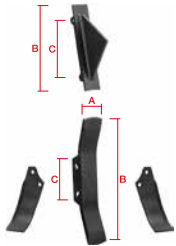
15009-600 A



15009-600 KIT



MASCHIO GASPARDO ARTIGLIO



Hollows the soil without disturbing it, leaving the vegetation practically intact



Maschio Gaspardo

Original Ref.	Ref.		A	B	C	Tine	Grs.			F
R17620860	1494 D	10	237	145	56		1.680	24	1.848	360
R17620870	1494 I	10	237	145	56		1.680	24	1.848	360
R17820061	15101 SA		70	345	230		4.250		100	100
R17820661	15101 PA	20	70	460	90-110	35	5.800		100	100
	15101 PB	20	70	460	90-110	30	5.700		100	100
	15101 PC	20	70	460	90-110	32	5.700		100	100
	15101 PD	20	70	460	90-110	40	5.700		100	100
R17622960	15101 PG	20	70	460	60-78	35	5.870		100	100

1 PLANTERS AND SEED DRILL

2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

5 PLOUGH

3

CULTIVATOR

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

DISC HARROW

5

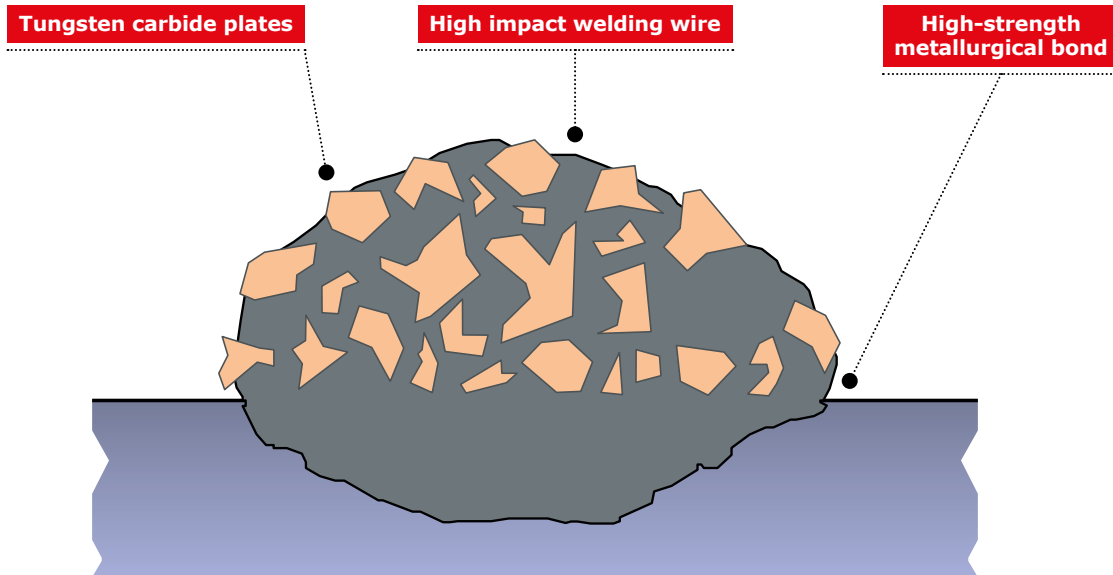
PLOUGH

3.1 DURATOPBOND	3.2 DURATOP	3.3 Point for S-Tines	3.4 S-tines	3.5 Clamps for S-Tines	3.6 Assembly of S-tines - cultivators
3.7 Bellota Vibro tines	3.8 Cultivator points	3.9 Parts for stubble cultivation	3.10 Double coil tines	3.11 Assembly double coil tine - cultivator	3.12 Clamps for double coil tines
3.13 Stubble tines	3.14 Chisel tines	3.15 Assembly of chisel tine - cultivator	3.16 Chisel assembly	3.17 Chisel assembly components	3.18 Compression Springs
3.19 Following tines	3.20 Cultivator leaf springs	3.21 Blades	3.22 Bolts		

BELLOTA's exclusive patented DURATOPBOND technology makes cultivators last 3 TIMES LONGER than without it

The **DURATOP** technique entails combining custom-sized tungsten carbide plates with a high-impact brazing material. The fusion of the two materials creates a very strong, abrasion resistant metallurgical bond.

DURATOPBOND

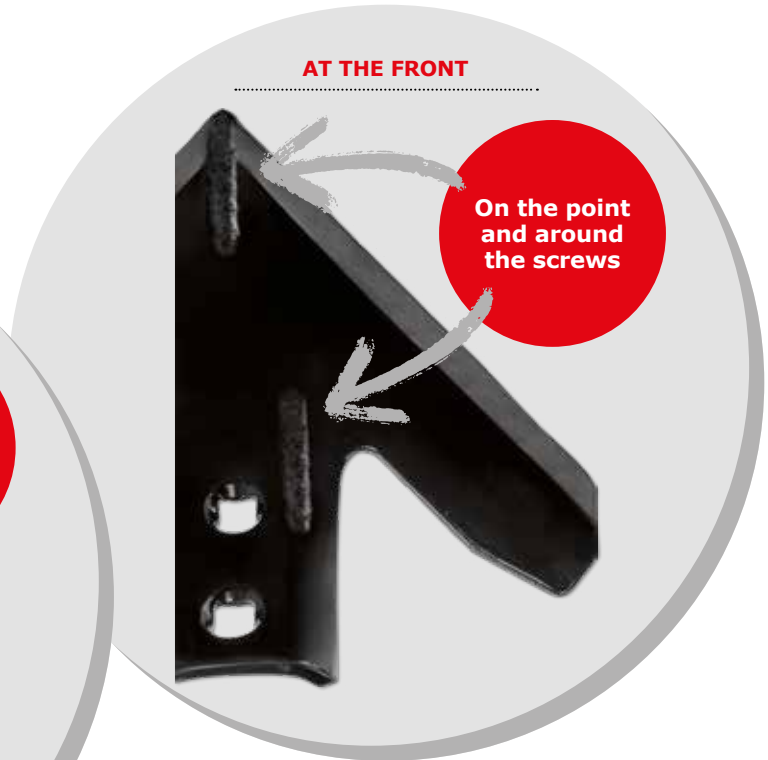


ADVANTAGES

- ▶ Outstanding impact resistance
- ▶ Changing cultivators saves time
- ▶ Reduced labour costs
- ▶ Reduced hardware costs
- ▶ Improved final result
- ▶ Better tillage by keeping the original design for a longer period of time

DURATOPBOND

is applied to the critical wear parts,
for example:



After 280 hectares on very sandy soil

With the DURATOPBOND treatment the cultivators last at least 3 times longer and up to 4.5 times longer on sandy soil.





AMAZONE CAYENA

30



AMAZONE PRIMERA DCM

31



15023 CP C1 DURATOP

32



1549 CN CP DURATOP

33



1535-B CN S CP DURATOP

34



1502 S CN CP DURATOP

35



15035 S CP DURATOP

36



1547 S C2N CP DURATOP

37



15106 DURATOP

38



15055 CP 2A1 3P DURATOP

39



15055 CP DURATOP

40



2319 AP CP DURATOP

41



15110 CP DURATOP

42



15122 CP DURATOP

43



15115 CP DURATOP

44



AGRISEM AGM1103551

45



1547 C2N CP DURATOP

46



1512-A C2N CP DURATOP

47



1513-A C2N CP DURATOP

48

1
PLANTERS AND SEED DRILL

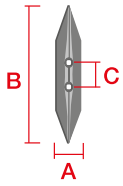
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

AMAZONE CAYENA



Heat treatment after brazing for a longer life.

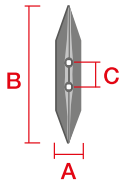


15075

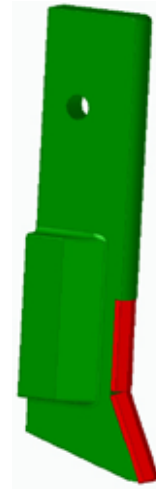
Ref.	Original Ref.		A	B	C	Grs.	
15075-CA-CP DURATOP	970702	12	34	459	65	2.700	200

Fits in the Amazone Cayena seed drill
1 tungsten carbide plate

AMAZONE PRIMERA DCM



Heat treatment after brazing for a longer life.



15121-B CP

Ref.	Original Ref.	→ ←	A	B	Grs.			M	F
15121-A CP DURATOP	102805	15	35	222	1.620	625	1199G	M12	300
15121-B CP DURATOP	102808	15	35	222	1.640	625	1199G	M12	300

15121-A CP: 1 tungsten carbide plate. Old Amazone reference: 936867

15121-B CP: 2 tungsten carbide plates. Old Amazone reference: 923613, 914977

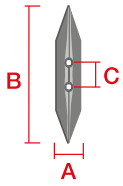
Painted green

Fits in a PRIMERA DCM seed drill

15121-A CP





15023 CP C1 DURATOP



Heat treatment after brazing for a longer life.

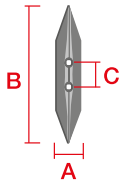


15023 CP C1

Ref.	→ ←	A	B	C	Grs.			M	F
15023 CP C1 DURATOP	12	41	168	45	520	1.500	1199A	M10	100

Fits in seeding tines
1 tungsten carbide plate

1549 CN CP DURATOP



Heat treatment after brazing for a longer life.

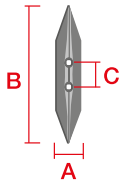


1549 CN CP

Ref.		A	B	C	Gr.			M
1549 CN CP DURATOP	16	52	230	40-50	1.060	1.000	1199A	M10

3 tungsten carbide plates
Fits in seeding tines

1535-B CN S CP DURATOP



Heat treatment after brazing for a longer life.



1535 B S CN CP

Ref.	\rightarrow \leftarrow	A	B	C	Grs.			M
1535-B CN S CP DURATOP	18	74	345	45	2.500	400	11990	M12
1535-B CN S CP CA1 DURATOP	18	74	345	45	2.400	400	11990	M10

3 tungsten carbide plates

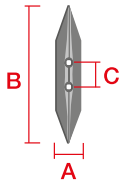
Fits in S-tine

Ref.	2476 C2A A10	2476 A14 C2A / 2476 C2A	2488 B A14 C2A / 2488 B C2A	2488 C2A/C3A	2489 C2A	2489 C2A A12	2550 C2A	2546 C2A
1535-B CN S CP		M12x60TCB	M12X60TCB	M12X60 TCB		M12x60TCB		KIT2546C2A
1535-B CN S CP CA1	M10x60TCB				M10X60 TCB		M10x60TCB	

1535 B S CN CP CA1



1502 S CN CP DURATOP



Heat treatment after brazing for a longer life.



1502 S CN CP

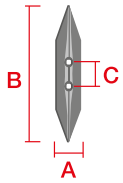
Ref.		A	B	C	Grs.			M
1502 S CN CP DURATOP	18	70	290	45	2.050	500	1199A	M12

3 tungsten carbide plates

Fits in Vibro-Bellota tine

Ref.	Vibro-Flex	VF	VFM
1502 S CN CP	M12x60	M12x60	M12x60

15035 S CP DURATOP



Heat treatment after brazing for a longer life.



15035 S CP

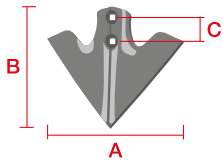
Ref.		A	B	C	Grs.			M
15035 S CP DURATOP	15	52	300	35-50	1.700	500	11990	M10
15035 S CP CA1 DURATOP	15	52	300	35-50	1.700	500	11990	M12

3 tungsten carbide plates

Fits in S-tine

Ref.	2476 C2A A10	2476C2A/A14C2A	2488BC2A/C3A	2489C2A	2489C2AA12	2550
15035 S CP	M10x45TCB			M10x60TCB		M10x60TCB
15035 S CP CA1		M12x45TCB	M12x60TCB		M12x60TCB	

1547 S C2N CP DURATOP



Heat treatment after brazing for a longer life.



1547 S C2N CP

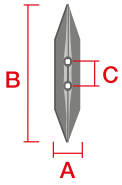
Ref.		A	C	Grs.			M
1547 S C2N CP DURATOP	14	200	45	1.200	800	1199A	M10

11 tungsten points and reinforced neck

Fits in S-tine

1547 S C2N CP	2476 C2A A10 M10x45TCB
---------------	---------------------------

15106 DURATOP



Heat treatment after brazing for a longer life.



15106 AP CP

Ref.		A	B	C	Grs.			M
15106 AP CP DURATOP	22	60	365	40-80	3.385	240	1199A	M12
15106 CP 10 DURATOP	22	60	365	40-80	3.470	240	1199A	M12

15106 AP CP: 2 tungsten carbide plates and wear-resistant welding
15106 CP 10: 10 tungsten carbide plates

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL	2467
15106	M12x70	M12x70	M12x80	M12x80	M12x60

Fits in double coil tine

Ref.	2484	2485	2486
15106	M12x70	M12x70	M12x70

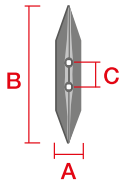
Fits in Vibro-Bellota tine

Ref.	2455 (VTH)
15106	M12x70

15106 CP 10



15055 CP 2A1 3P DURATOP



Heat treatment after brazing for a longer life.



15055 B80 CP 2A1 3P

Ref.		A	B	C	Grs.			M
15055-B80-CP-2A1-3P DURATOP	20-40	80	275	45-58	4.000	250	1199A	M12

3 tungsten carbide plates
Fits with 2823. See page 169

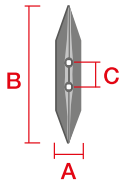
Fits in tine Chisel

Ref.	2464-A	2464-AL
15055-B80-CP-2A1-3P	M12x80	M12x80

Fits in double coil tine

Ref.	2485	2486
15055-B-80-CP-2A1-3P	M12x70	M12x80

15055 CP DURATOP



Heat treatment after brazing for a longer life.



15055 B80 CP 2A1 3P

Ref.	— —	A	B	C	Grs.			M	F
15055-B CP 80 HRS DURATOP	15	80	250		2.000	300	1199A	1285A	
15055-B80-CP-2A-3P DURATOP	20-40	80	275	57	4.030	250	1199A	1285A	
15055-B80-PL-CP-4P DURATOP	30	80	275	57	4.300	250	1199A	1285A	100

See full range on page 169

15055-B CP 80 HRS DURATOP: 1 tungsten carbide plate
 15055-B80 CP 2A 3P DURATOP: 3 tungsten carbide plates
 15055-B80 PL CP 4P DURATOP: 4 tungsten carbide plates

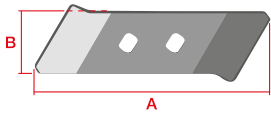
15055-B CP 80



15055 B80 PL CP 4P



2319 AP CP DURATOP



Heat treatment after brazing for a longer life.

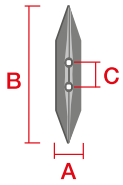


2319 AP CP

Ref.		A	B	C	Grs.			M
2319 AP CP DURATOP	20	70	220	40	2.500	400	1199D	M12

2 tungsten carbide plates and wear-resistant welding
Reference adaptable to Kverneland CLC and subsoilers

15110 CP DURATOP



Heat treatment after brazing for a longer life.



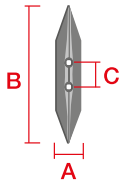
15110 CP

Ref.	Original Ref.		A	B	C	Grs.			M
15110 CP DURATOP	KK083068R	20	80	283	60	3.400	300	1199D	M12

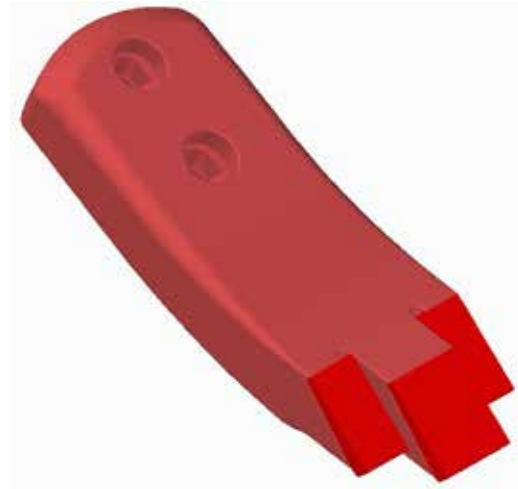
3 tungsten carbide plates

Fits in CLC EVO of Kverneland with deflectors KK304320R (Right), KK304321R (Left), KK304322R (Straight)

15122 CP DURATOP



Heat treatment after brazing for a longer life.

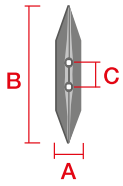


15122

Ref.	Original Ref.	→ ←	A	B	C	Grs.	
15122 CP DURATOP	A135465286	26	72	206	40	2.600	400

3 tungsten carbide plates
Fits in Kverneland Enduro Stubble Chisel

15115 CP DURATOP



Heat treatment after brazing for a longer life.



15115 CP

Ref.	Original Ref.		A	B	C	Grs.			M
15115 CP DURATOP	H2220761	26	80	276	45	4.700	200	1199A	M12

5 tungsten carbide plates
Fits in Kuhn Cultimer stubble cultivators

AGRISEM AGM1103551



Heat treatment after brazing for a longer life.



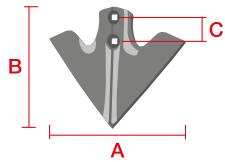
15124 CP

Ref.	Original Ref.		A	B	C	Grs.	
15124-CP DURATOP	AGM1103551	25	80	252	49	3.680	275

5 tungsten carbide plates

Assemble on Agrisem MaxiMulch and AgroMulch soil preparation and stubble cultivators

1547 C2N CP DURATOP



Heat treatment after brazing for a longer life.



1547 C2N CP

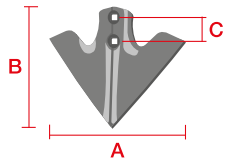
Ref.		A	C	Grs.			M
1547 C2N CP DURATOP	14	200	45	1.275	800	1199A	M10

11 tungsten points and reinforced neck

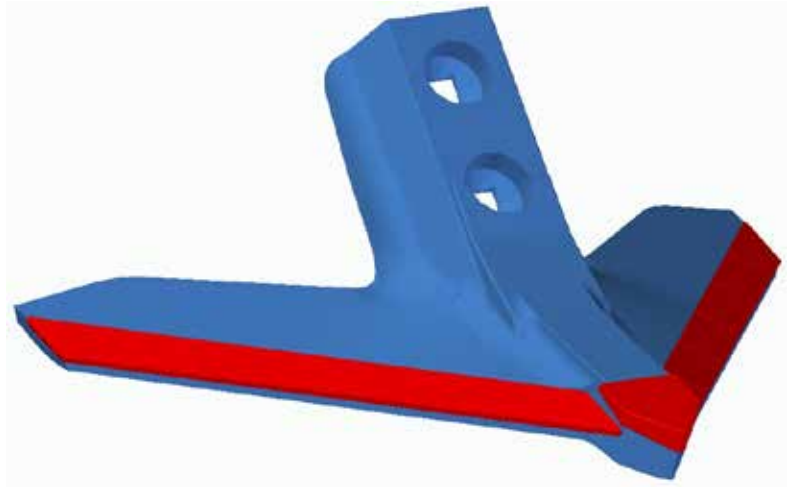
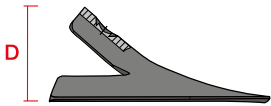
Fits in double coil tine

1547 C2N CP	2480
	M10x40

1512-A C2N CP DURATOP



Heat treatment after brazing for a longer life.



1512 A C2N CP

Ref.	α	\pm	A	C	Grs.			M
1512-A C2N CP DURATOP	47°	7,5	280	45	2.900	333	1199A	M12

13 tungsten points and reinforced neck
47° angle of attack. Works flatter than the 1513 A C2N CP point.

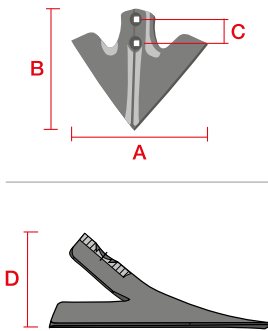
Fits in tine Chisel

	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1512 A C2N CP	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x70	M12x50	M12x50

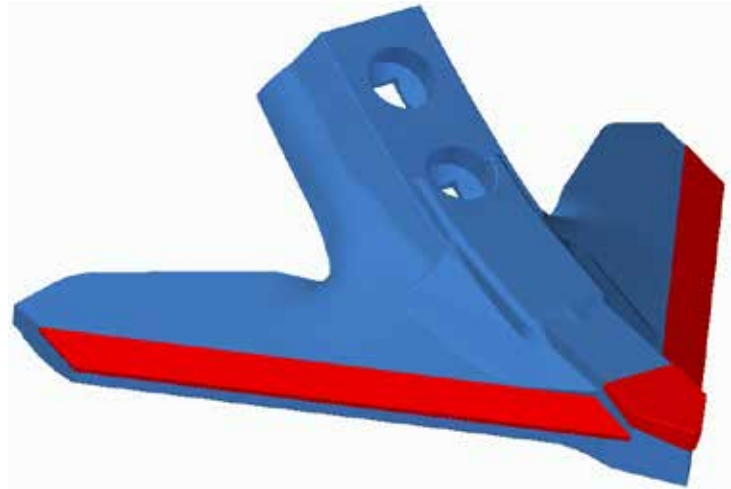
Fits in double coil tine

	2481	2483	2484	2485	2486
1512 A C2N CP	M12x50	M12x50	M12x50	M12x50	M12x50

1513-A C2N CP DURATOP



Heat treatment after brazing for a longer life.



1513-A C2N CP

Ref.	α	\pm	A	C	Grs.			M
1513-A C2N CP DURATOP	35,5°	7,5	270	45	3.170	333	1199A	M12

13 tungsten points and reinforced neck
35° angle of attack. Works sharper than point 1512-A-C2N-CP

Fits in tine Chisel

	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1513 A C2N CP	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x50	M12x50	M12x50

Fits in double coil tine

	2481	2483	2484	2485	2486
1513-A C2N CP	M12x50	M12x50	M12x60	M12x60	M12x60



15044

50



1543

51



1594

52



15045

53



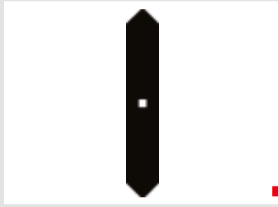
1583

54



1505

55



1504

56



1529

57



1530

58



15035

59



15000

60



1502

61



1502 S CN

62



1503

63



1535 S CN

64



15102

65



15103

66



15104

67



1545

68



1544

69



1548

70



1553 S

71



15099

72



1552

73



15001

74



15054

75



15038

76



15087

77



1547 S

78



15037

79



1599

80



1599 S CN

81



15098

82



15072

83

1
PLANTERS AND SEED DRILL

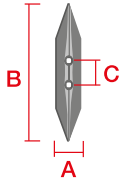
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

15044



+
Product uniformity guaranteed by strict controls on quality and the production process.



15044

Ref.		A	B	Grs.			M	F
15044 CA	6	35	218	380	2.600	11990	M10	100

Fits in S-tine

Ref.	2511
15044	M10x60TCB

1
PLANTERS AND SEED DRILL

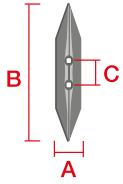
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1543



Product uniformity guaranteed by strict controls on quality and the production process.



1543

Ref.	Original Ref.		A	B	Grs.				M
1543	101000640	6	35	210	385	12	2.376	11990	M10

Fits in S-tine

Ref.	2470	2472	2463
1543	M10x40TS	M10x40TS	M10x45TCB

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

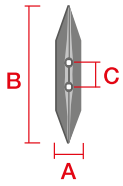
4

DISC HARROW

5

PLOUGH

1594



Product uniformity guaranteed by strict controls on quality and the production process.



1594

Ref.		A	B	Grs.				M
1594 CA	5	36	135	190	12	2.376	11990	M10

Fits in S-tine

Ref.	2473
1594	M10x40TS

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

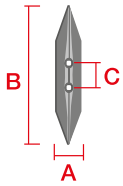
4

DISC HARROW

5

PLOUGH

15045



Product uniformity guaranteed by strict controls on quality and the production process.



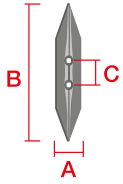
15045

Ref.		A	B	Grs.			M	F
15045 CA	6	37	210	380	2.000	11990	M10	100

Fits in S-tine

Ref.	2476 C2A A10	2489 C2A	2550 C2A
15045 CA	M10x45TCB	M10x60TCB	M10x60TCB

1583



Product uniformity guaranteed by strict controls on quality and the production process.



1583

Ref.		A	B	Grs.		M
1583	6	38	230	390	1.500	M10

Fits in S-tine

Ref.	2473
1583	M10x40TS

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

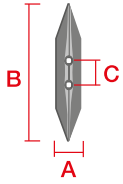
4

DISC HARROW

5

PLOUGH

1505



Product uniformity guaranteed by strict controls on quality and the production process.



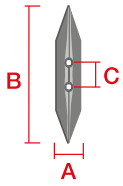
1505

Ref.		A	B	Grs.				M
1505	6	40	232	660	12	1.512	11990	M10

Fits in S-tine

Ref.	2470	2472	2476	2517
1505	M10x40TS	M10x40TS	M10x45TCB	M10x45TCB

1504



+
Product uniformity guaranteed by strict controls on quality and the production process.



1504

Ref.		A	B	Grs.				M	F
1504	6	42	255	660	12	1.512	11990	M10	100
1504-8	8	44	270	770	2.000	2.000	11990	M10	100

Fits in S-tine

Ref.	2476
1504	M10x45TCB

1
PLANTERS AND SEED DRILL

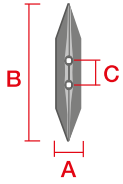
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1529



Product uniformity guaranteed by strict controls on quality and the production process.



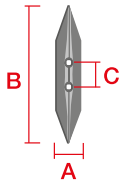
1529

Ref.		A	B	C	Grs.			M	F
1529 A6	6	40,5	232	45	460	2.025	11990	M10	100
1529 A8	8	43	232	45	650	1.500	11990	M10	100

Fits in S-tine

Ref.	2476 C2A A10	2489 C2A	2550 C2A
1529	M10x45TCB	M10x60TCB	M10x60TCB

1530



Product uniformity guaranteed by strict controls on quality and the production process.



1530-A8

Ref.	→ ←	A	B	C	Grs.			M	F
1530 A6	6	44	255	45	540	1.500	11990	M12	
1530 A8	8	45	255	45	770	1.000	11990	M12	
1530 A6 M10	6	44	255	45	540	1.500	11990	M10	100
1530 A8 M10	8	45	255	45	770	1.000	11990	M10	100

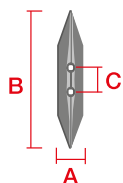
Fits in S-tine

Ref.	2476 C2A A10	2476 C2A / A14 C2A	2488-B C2A / A14 C2A	2488 C2A / C3A	2489 C2A	2489 C2A A12	2550 C2A
1530 M10	M10x45TCB				M10x60TCB		M10x60TCB
1530 M12		M12x45TCB	M12x60TCB	M12x60TCB		M12x60TCB	

1530 M10



15035



Product uniformity guaranteed by strict controls on quality and the production process.



15035 CA10

Ref.	→←	A	B	C	Grs.			M	F
15035 CA	7	52	300	45	950	800	11990	M10	
15035 CA 10	10	57	300	45	1.360	700	11990	M10	
15035 C3A E10	10	57	300	45 / 45	1.340	700	11990	M10	100
15035 S CP DURATOP	15	52	300	35-50	1.700	500	11990	M10	
15035 S CP CA1 DURATOP	15	52	300	35-50	1.700	500	11990	M12	

15035 S CP y CA1: 3 tungsten carbide plates

Fits in S-tine

Ref.	2476 C2A A10	2476C2A/A14C2A	2488BC2A/C3A	2489C2A	2489C2AM12	2550
15035 / CP	M10x45TCB			M10x60TCB		M10x60TCB
15035 S CP CA1		M12x45TCB	M12x60TCB		M12x60TCB	

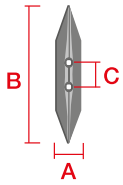
15035 C3A



15035 S CP



15000



Product uniformity guaranteed by strict controls on quality and the production process.



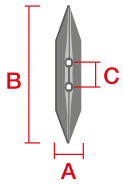
15000

Ref.		A	B	Grs.				M	F
15000	6	58	260	690	12	1.512	11990	M10	
15000 B	8	60	260	970		10.000	11990	M12	100

Fits in S-tine

Ref.	2476
15000	M10x45TCB

1502



Product uniformity guaranteed by strict controls on quality and the production process.



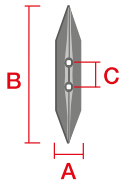
1502-8

Ref.	Original Ref.	→ ←	A	B	C	Grs.				M	F
1502-6	105000483	6	70	288	45	825	12	648	11990	M12	
1502-6-B	101000580	6	74	262	45	765	12	648	11990	M12	100
1502-8	105000504	8	70	288	45	1.100	12	648	11990	M12	

Fits in Vibro-Bellota tine

Ref.	2454
1502	M12x50TS

1502 S CN



Product uniformity guaranteed by strict controls on quality and the production process.



1502 S CN

Ref.	Original Ref.	→ ←	A	B	C	Grs.			M
1502 S CN	105000483 / 105000504	8,5-18	74	320	45	2.150	500	11990	M12
1502 S CN CP DURATOP		18	70	290	45	2.050	500	1199A	M12

1502 S CN CP: 3 tungsten carbide plates

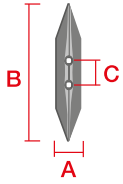
Fits in Vibro-Bellota tine

Ref.	2454
1502 S CN	M12x50TS

1502 S CN CP



1503



Product uniformity guaranteed by strict controls on quality and the production process.



1503

Ref.	Original Ref.		A	B	C	Grs.				M
1503	105000514	8	108	308	45	1.600	12	540	11990	M12

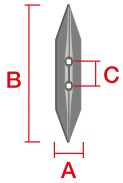
Fits in S-tine

Ref.	2476 C2A / A14 C2A	2488-B C2A / A14 C2A
1503	M12x45TCB	M12x60TCB

Fits in Vibro-Bellota tine

Ref.	2454
1503	M12x50

1535 S CN



Product uniformity guaranteed by strict controls on quality and the production process.



1535 B S CN

Ref.	→ ←	A	B	C	Grs.			M
1535-B S CN C2A	18	74	345	45	2.100	500	11990	M12
1535-B S CN C2A CA1	18	74	345	45	2.100	500	11990	M10
1535-B CN S CP DURATOP	18	74	345	45	2.500	400	11990	M12
1535-B CN S CP CA1 DURATOP	18	74	345	45	2.400	400	11990	M10

1535 B CN S CP y CA1: 3 tungsten carbide plates

Fits in S-tine

Ref.	2476 C2A /A14 C2A	2476 C2A A10	2488-B C2A / A14 C2A	2489 C2A	2489 C2A A12	2546 C2A	2550 C2A
1535S CN / CP	M12x45TCB		M12x60TCB		M12x60TCB	KIT2546C2A	
1535S CN CA1 /CP		M10x45TCB		M10x60 TCB			M10x60TCB

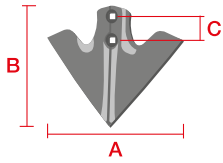
1535 B S CN CP



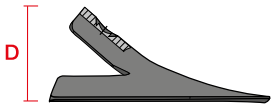
1535 B S CN CP CA1



15102



⊕
Product uniformity guaranteed by strict controls on quality and the production process.



15102

Ref.	→ ←	A	B	C	D	Grs.			M	F
15102 CA 70 E8	8	70	180	40	64	600	1.000	11990	M12	100

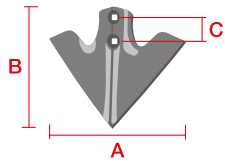
Fits in Vibro-Bellota tine

Ref.	Kongskilde VTM
15102	M12x50TS

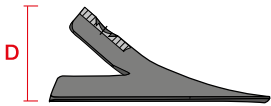
15102



15103



Product uniformity guaranteed by strict controls on quality and the production process.



15103

Ref.		A	C	D	Grs.			M	F
15103 CA 100 E8	8	103	40	85	650	1.000	11990	M12	100

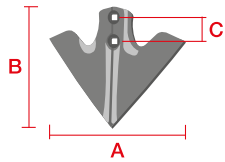
Fits in Vibro-Bellota tine

Ref.	2495	VTM
15103	M12x50	M12x50TS

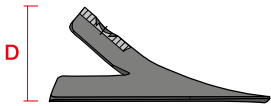
15103



15104



Product uniformity guaranteed by strict controls on quality and the production process.



15104

Ref.	→ ←	A	B	C	D	Grs.			M	F
15104 CA 110 E8	8	110	177	40	75	750	1.000	11990	M12	100

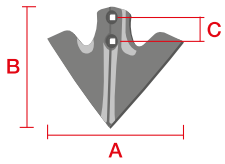
Fits in Vibro-Bellota tine

Ref.	2495	VTM
15104	M12x50	M12x50TS

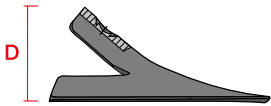
15104



1545



Product uniformity guaranteed by strict controls on quality and the production process.



1545

Ref.		A	B	D	Grs.				M
1545	4	70	140	40	225	12	1.512	11990	M10

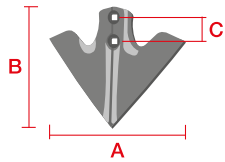
Fits in S-tine

Ref.	2470
1545	M10x40TS

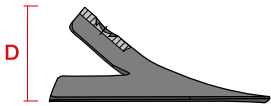
1545



1544



Product uniformity guaranteed by strict controls on quality and the production process.



1544

Ref.	Original Ref.	→ ←	A	B	D	Grs.				M	F
1544	101000644	4	105	120	55	270	12	1.656	11990	M10	
1544 CA E6		6	105	120	55	400	12	1.000	11990	M10	100

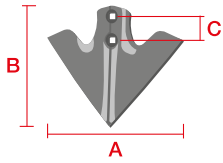
Fits in S-tine

Ref.	2470	2472
1544	M10x40TS	M10x40TS

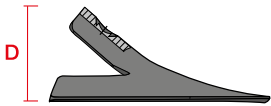
1544



1548



Product uniformity guaranteed by strict controls on quality and the production process.



1548

Ref.	→ ←	A	B	D	Grs.				M
1548-D	4	125	115	55	250	12	2.376	11990	M10
1548-I	4	125	115	55	250	12	2.376	11990	M10

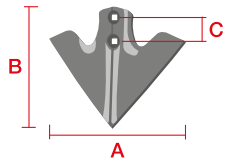
Fits in S-tine

Ref.	2470
1548	M10x40TS

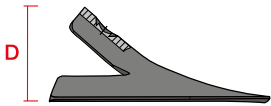
1548



1553 S



Product uniformity guaranteed by strict controls on quality and the production process.



1553 S C2A

Ref.	— —	A	B	C	D	Grs.			M	F
1553 S C2A	4,5	130	140	45	85	440	500	11990	M10	100
1553 S C2A 150 E5	5	150	140	45	85	460	1.000	11990	M10	100
1553 S C2A 150 E6	6	150	140	30	85	600	1.000	11990	M10	100
1553 S C2A M12	4,5	130	140	45	85	440	500	11990	M12	100

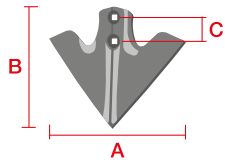
Fits in S-tine

Ref.	2476 C2A A10	2476 C2A / A14 C2A	2488-B C2A / A14 C2A
1553-S-C2A	M10x45TCB		
1553-S-C2A M12		M12x45TCB	M12x60TCB

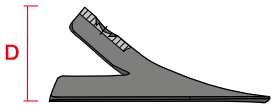
1553 S



15099



Product uniformity guaranteed by strict controls on quality and the production process.



15099

Ref.	→ ←	A	C	D	Grs.			M	F
15099 CA 130 E5	5	130	45	100	610	1.000	11990	M10	100
15099 CA 130 E6	6	130	45	100	725	1.000	11990	M10	100
15099 CA 150 E5	5	150	45	100	670	670	11990	M10	100
15099 CA 150 E6	6	150	45	100	800	800	11990	M10	100

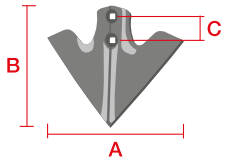
Fits in S-tine

15099	2506 C2A M10x45TCB
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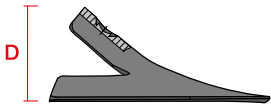
15099



1552



Product uniformity guaranteed by strict controls on quality and the production process.



1552-D

Ref.	— —	A	B	D	Grs.			M	F
1552 0	4	135	158	77	280	1.000	11990	M10	
1552 A	4	150	158	77	310	800	11990	M10	
1552 B	4	175	158	77	365	700	11990	M10	
1552 C	4	200	158	77	420	600	11990	M10	
1552 D	4	250	158	77	550	500	11990	M10	100

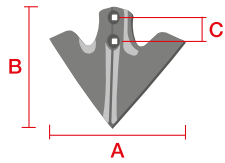
Fits in S-tine

Ref.	2470	2472
1552-0/A/B/C	M10x40TS	M10x40TS

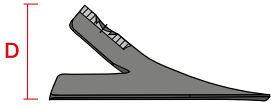
1552



15001



Product uniformity guaranteed by strict controls on quality and the production process.



15001-D

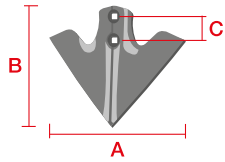
Ref.	Original Ref.		A	B	D	Grs.			M	F
15001 A		4	150	125	76	475	2.000	11990	M10	
15001 B		4	175	125	76	490	1.800	11990	M10	
15001 C		4	200	125	76	515	1.500	11990	M10	
15001 D		4	250	125	76	600	1.100	11990	M10	
15001 A6		6	150	125	76	610	1.500	11990	M10	100
15001 B6	100323040	6	175	125	76	700	1.200	11990	M10	100
15001 C6		6	200	125	76	770	1.000	11990	M10	100
15001 D6		6	250	125	76	900	800	11990	M10	100

Fits in S-tine

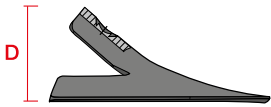
Ref.	2470	2472
15001	M10x40TS	M10x40TS



15054



Product uniformity guaranteed by strict controls on quality and the production process.



15054-B CA3

Ref.	\pm	α	A	B	C	D	Grs.			M	F
15054 CA	5	45°	152	139		75	500	1.000	11990	M10	100
15054 B CA3	5	48,5°	145	130	30	90	500	1.000	11990	M10	100
15054 C CA	5	50°	200	165		95	700	800	11990	M10	100
15054 C CA3	5	50°	200	165	30	95	730	800	11990	M10	
15054 C CA3 E6	6	50°	200	165	30	95	800	800	11990	M10	100

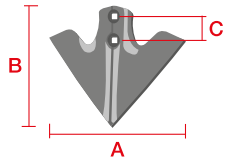
Fits in S-tine

Ref.	2470	2472	2472 C2A	2479 C3A
15054 CA	M10x40TS	M10X40TS		
15054 CA3			M10X40TS	M10x60TCB

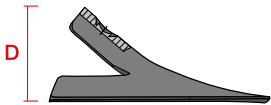
15054-B CA3



15038



Product uniformity guaranteed by strict controls on quality and the production process.



15038

Ref.	→ ←	A	B	C	D	Grs.			M
15038 CA 180 E5	5	180	200	45	132	875	500	11990	M10
15038 CA 180 E6	6	180	200	45	132	1.050	500	11990	M10
15038 CA 200 E5	5	200	200	45	132	930	500	11990	M10
15038 CA 200 E6	6	200	200	45	132	1.150	500	11990	M10
15038 CA 230 E6	6	230	200	45	132	1.200	500	11990	M10
15038 CA 260 E6	6	260	200	45	132	1.250	500	11990	M10

Fits in S-tine

Ref.	2488 C2A / C3A	2489 C2A	2550 C2A
15038	M10x60TCB	M10x60TCB	M10x60TCB

15038



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

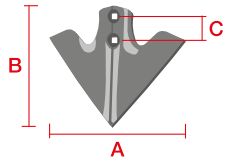
4

DISC HARROW

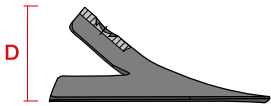
5

PLOW

15087



Product uniformity guaranteed by strict controls on quality and the production process.



15087 CA 220

Ref.		A	C	D	Grs.			M	F
15087 CA 180 E6	6	180	45	130	1.060	500	11990	M12	100
15087 CA 220 E6	6	220	45	130	1.150	500	11990	M12	
15087 CA 260 E6	6	260	45	130	1.250	500	11990	M12	

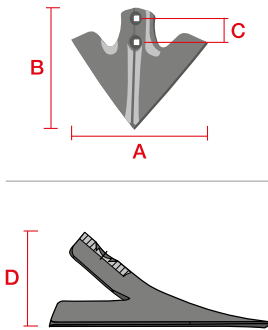
Fits in S-tine

Ref.	2488 C2A / C3A	2550 C2A
15087	M12x60TCB	M10x60TCB

15087



1547 S



Product uniformity guaranteed by strict controls on quality and the production process.



1547 S C2A

Ref.	→ ←	A	B	C	D	Grs.			M	F
1547 S C2A	5	195	140	45	85	550	500	11990	M10	
1547 S C2A M12	5	195	140	45	85	550	500	11990	M12	100
1547 S C2A 215	5	215	140	45	85	600	500	11990	M10	100
1547 S C2A 250	5	250	140	45	85	550	250	11990	M10	100
1547 S C2A 250 M12	5	250	140	45	85	550	250	11990	M12	100
1547 S C2A 6	6	195	140	45	85	550	500	11990	M10	
1547 S C2N CP DURATOP	14	200		45		1.200	800	1199A	M10	

1547 S C2N CP: 11 tungsten carbide plates and reinforced neck

Fits in S-tine

Ref.	2476-C2AA10	2476 C2A / A14 C2A	2488-B C2A/ A14 C2A
1547 S C2A / CP	M10x45TCB		
1547 S C2A M12		M12x45TCB	M12x60TCB

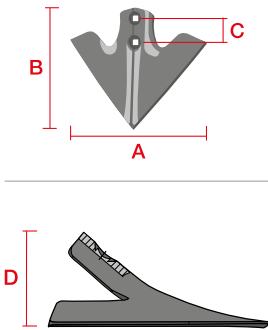
1547 S



1547 S C2N CP



15037



+ Product uniformity guaranteed by strict controls on quality and the production process.



15037 CA 180

Ref.	Original Ref.	→ ←	A	B	C	D	Grs.			M	F
15037 CA 120 E6		6	120	156	40	96	620	1.000	11990	M12	100
15037 CA1 120 E6		6	120	156	40-45	96	620	1.000	11990	M12	100
15037 CA1 180 E6		6	180	156	40-45	96	800	400	11990	M12	100
15037 CA 180 E8	101000553	8	180	156	40	96	1.150	400	11990	M12	100
15037 CA1 200 E6		6	200	156	40-45	96	880	400	11990	M12	100
15037 CA1 210 E6		6	210	156	40-45	96	925	400	11990	M12	
15037 CA1 250 E6		6	250	156	40-45	96	1.000	400	11990	M12	100
15037 CA 270 E6		6	270	156	40	96	1.100	400	11990	M12	

Fits in S-tine

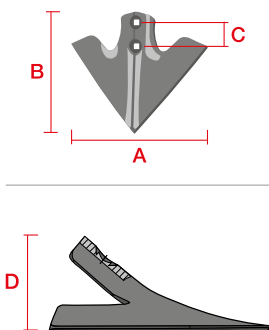
Ref.	2476 C2A / A14 C2A	2488-B C2A / A14 C2A	2488 C2A / C3A
15037 CA1	M12x45TCB	M12x60TCB	M12x60TCB

Fits in Vibro-Bellota tine

Ref.	2495
15037 CA	M12x50TS



1599



+ Product uniformity guaranteed by strict controls on quality and the production process.



1599

Ref.	Original Ref.	— —	A	B	C	D	Grs.				M	F
1599-6 CA 140	105000486	6	140		45	100	1.100		500	11990	M12	100
1599-8 CA 200		8	200	200	45	100	1.700		500	11990	M12	100
1599-6 CA 230		6	230	200	45	100	1.400		500	11990	M12	
1599-6 CA 230 ESP 2488		6	230		45	101	1.330		500	11990	M12	100
1599-6 CA 260	105000487	6	260	222	45	100	1.425	12	528	11990	M12	
1599-8 CA 260	105000584	8	260	222	45	100	1.900	12	528	11990	M12	
1599-6-CA-53-BE 260		6	260		45	112	1.425	400	400	11990	M12	100
1599-6 CA 290		6	290		45	100	1.500		300	11990	M12	100
1599-8 CA 290		8	290		45	100	2.000		250	11990	M12	100
1599-6 CA 300		6	300		45	100	1.530		300	11990	M12	100
1599-6 CA 330		6	330	200	45	100	1.550		300	11990	M12	
1599-6 CA 340		6	340		45	100	1.560		250	11990	M12	100

Fits in Vibro-Bellota tine

Ref.	2454
1599	M12x50TS

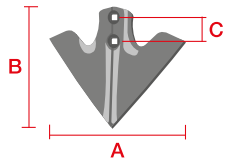
Fits in S-tine

Ref.	2488 C2A/C3A
1599ESP2488	M12x60TCB

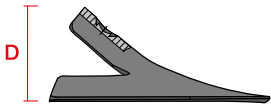
1599



1599 S CN



Product uniformity guaranteed by strict controls on quality and the production process.



1599 S C2N

Ref.	→ ←	A	C	D	Grs.			M	F
1599 S CN	6	270	45	103	1.750	500	11990	M12	
1599 S C2N	7	270	45	103	2.000	500	11990	M12	
1599 S 7 C2N	7	185	45	103	1.580	500	11990	M12	100
1599 S 9 C2N	7	230	45	103	1.800	500	11990	M12	100

Fits in S-tine

Ref.	2476 C2A / A14 C2A	2488-B C2A / A14 C2A	2489 C2A A12
1599 S CN / C2N	M12x45TCB	M12x45TCB	M12x60TCB

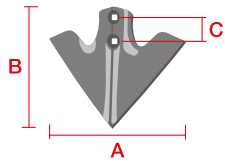
1599 S C2N



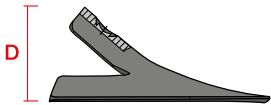
1599 S CN



15098



Product uniformity guaranteed by strict controls on quality and the production process.



15098

Ref.		A	C	D	Gr.			M	F
15098-CA-220-E6	6	220	30	95	950	500	11990	M10	
15098-CA-230-E6	6	230	30	95	1.000	750	11990	M10	100

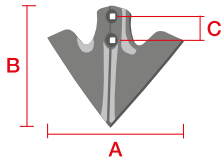
Fits in S-tine

Ref.	2479-C3A	2476 C3A
15098	M10x60TCB	M10x60TCB

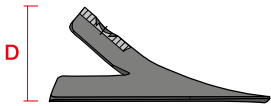
15098



15072



Product uniformity guaranteed by strict controls on quality and the production process.



15072

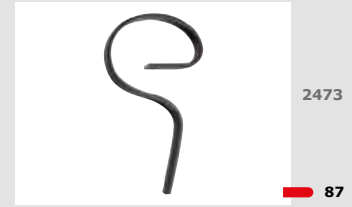
Ref.		A	B	D	Grs.			M
15072 CA	6	275	150	70	1.000	300	11990	M12

Fits in Vibro-Bellota tine

Ref.	Ref.
15072	2525 M12x60TS

15072





1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

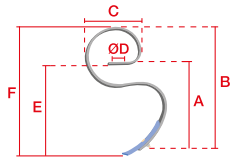
4

DISC HARROW

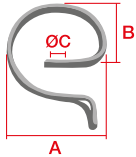
5

PLOUGH

2470



+
Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2470

Ref.	Original Ref.		A	B	C	D	M	Grs.			F
2470		32x10	344	490	228	13	M10	2.700	288	2474-1	
2470-EL	101000637	32x10,5	351	505	223	13	M10	2.850	288		100
2474-1		32x10	201	122	13x20			1.350	500	2470-2472	

2470-EL: Elliptical profile

Clamps. See page 100

Fits with 1505 See page 55 / 1543 See page 51 / 1544 See page 69 / 1545 See page 68 / 1548 See page 70 / 1552 See page 73

15001 See page 74 / 15054 See page 75

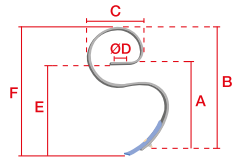
CLAMPS DEPENDING ON THE CHASSIS

Ref.	40x40	50X12	50x50
2470	12470-4040 / 12470-4040R	12470-5012 / 12470-5012R	12470-5050 / 12470-5050R
2470-EL	12470-4040 / 12470-4040R	12470-5012 / 12470-5012R	12470-5050 / 12470-5050R

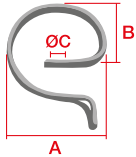
FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)	
	Only tine	With helper 2474-1
2470	60	50

2471



+
Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2471



Ref.		A	B	C	D	E	F	M	Grs.			F
2471	32x10	344	490	228	13	395	541	M10	2.980	250	2474-1	100
2474-1	32x10	201	122	13x20					1.350	500	2470-2472	

Clamps. See page 100

2471= 2470 See page 85 + 1543 See page 51

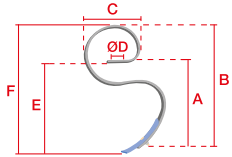
CLAMPS DEPENDING ON THE CHASSIS

Ref.	40X40	50X12	50X50
2471	12470-4040 / 12470-4040R	12470-5012 / 12470-5012R	12470-5050 / 12470-5050R
2471-EL	12470-4040 / 12470-4040R	12470-5012 / 12470-5012R	12470-5050 / 12470-5050R

FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)	
	Only tine	With helper 2474-1
2471	60	50

2473



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2473

Ref.		A	B	C	D	M	Grs.	
2473	32x10	237	340	196	14	M12	1.715	400

Fits with 1583 See page 54 / 1594 See page 52
Clamps. See page 100

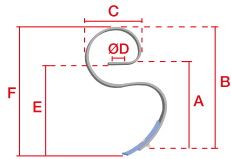
CLAMPS DEPENDING ON THE CHASSIS

Ref.	40x40	50x12
2473	12470-4040	12470-5012

FRAME WHERE FITS

Ref.	MAX. CHASSIS (mm)
2473	Only tine 40

2528



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2528-1

Ref.		A	B	C	D	E	F	M	Gr.		F
2528-1	32x12	340	495	264	15	365	532	M10	3.710	250	100

2528-1: 2528 + 1543. See page 51

Clamps. See page 100

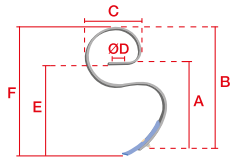
CLAMPS DEPENDING ON THE CHASSIS

Ref.	2,5" x 2,5" (63,5x63,5 mm)	40x40	50x12	50x14	50x50
2528	12472-6363	12472-4040	12472-50x12	12472-5014	12472-5050

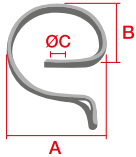
FRAME WHERE FITS

Ref.	MAX. CHASSIS ("")
2528	2,5"x2,5"

2472



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2472

Ref.		A	B	C	D		M	Grs.		
2472	32x12	344	490	230	13		M10	3.210	288	2474-1
2472 C2A	32x12	354	500	230	13	30 mm	M10	3.210	288	2474-1
2474-1	32x10	201	122	13x20				1.350	500	2470-2472

Clamps. See page 100

2472 fits with 1505 See page 55 / 1543 See page 51 / 1544 See page 69 / 1552 See page 73 / 15001 See page 74 / 15054 CA See page 75

2472 C2A fits with 15054 CA3 See page 75 / 15098 See page 82

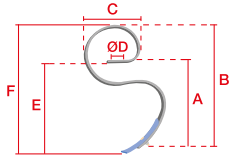
CLAMPS DEPENDING ON THE CHASSIS

Ref.	50x12	50x14	50x50
2472	12472-5012 / 12472-5012R	12472-5014	12470-5050 / 12470-5050R

FRAME WHERE FITS

Ref.	MAX. CHASSIS (mm)	
	Only tine	With helper 2474-1
2472	60	50



2463



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2463

Ref.		A	B	C	D	E	F	M	Grs.		F
2463	40x10	344	490	228	13			M10	3.410	288	100
2463-1	40x10	344	490	228	13	396	541	M10	3.790	288	100

2463-1: 2463 + 1543. See page 51

FRAME WHERE FITS

Ref.	MAXIMUM CHASIS - Only the tine
2463	60 mm.

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

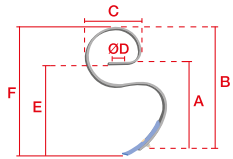
4

DISC HARROW

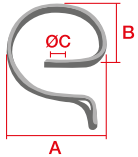
5

PLOUGH

2506



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2506

Ref.		A	B	C	D		M	Grs.			F
2506-C2A	45x10	364	522	243	14	45mm	M10	4.205	200	2506-R	100
2506-R	45x10	213	132,5	14				2.422	204	2506C2A	

Fits with 15099. See page 72

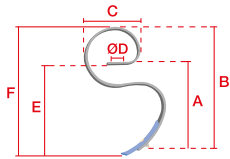
FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)
2506	50

2506-R



2517



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2517

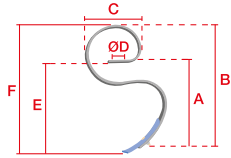
Ref.		A	B	C	D	M	Grs.		F
2517	45x10	318	458	241	13	M10	3.600	240	100

Fits with 1505. See page 55

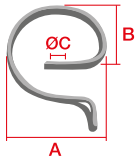
FRAME WHERE FITS

Ref.	MAXIMUM CHASIS - Only the tine
2517	60 mm

2476



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2476

Ref.		A	B	C	D		M	Grs.			F
2476 C2A A10	45x12	469	622	267	13	45 mm	M10	5.195	160	2474-2	100
2476	45x12	456	609	267	13		M12	5.130	160	2474-2	
2476 C2A	45x12	469	622	267	13	45 mm	M12	5.130	160	2474-2	
2476 C3A	45x12	469	622	267	13	30 mm	M12	5.130	160	2474-2	
2476 A14 C2A	45x12	469	622	267	15	45 mm	M12	5.130	160	2474-2-A14	
2474-2	45x10	229	127	13x20				2.550	300	2476-2476C2A	
2474-2 A14	45x10	229	127	15x18				2.550	300	2476A14C2A	

Clamps. See page 100

2476 fits with 1504 page 56 / 1505 page 55 / 15000 page 60

2476 C2A A10 fits with 1529 page 57 / 1530 M10 page 58 / 1535 S CN CA1 page 64 / 1547 SC2A/CP page 78 / 1553 S C2A page 71 / 15035 page 59 / 15045 page 53

2476 C2A / A14 C2A fits with 1502 / 1503 / 1530 M12 / 1535 S CN / 1547 S C2A M12 / 1553 S C2A M12 / 1599 S CN / 15035 S CP CA1 / 15037 CA1. See page 102

2476 fits with 15098. See page 82

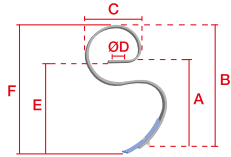
CLAMPS DEPENDING ON THE CHASSIS

Ref.	60x60	
	Only tine	With helper
2476	12476-6060 / KITBAS6060BR45	12476-6060R / KITBAS6060BR45
2476-C2A	12476-6060 /KITBAS6060BR45	12476-6060R / KITBAS6060BR45
2476-A14-C2A		12476-6060RA14

FRAME WHERE FITS

Ref	MAX. CHASIS (mm)	
	Only tine	With helper
2476	70x70	60x60


2511



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2511

Ref.		A	B	C	D	M	Grs.		F
2511	45x12	350	498	235	13	M12	3.990	288	100

Clamps. See page 100

Fits with 15044. Ver página 50

CLAMPS DEPENDING ON THE CHASSIS

Ref.	60x60
2511	12476-6060

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

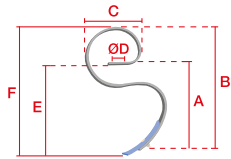
4

DISC HARROW

5

PLOUGH

2479



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2479 C3A ST

Ref.		A	B	C	D		M	Grs.	
2479-C3A-ST	45x12	469	622	267	15	30mm	M10	5.200	160

Fits with 15054 CA3 See page 71 / 15098 See page 82

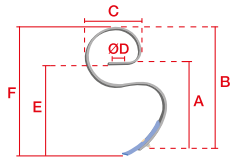
CLAMPS DEPENDING ON THE CHASSIS

Ref.	60x60
2479	12476-6060

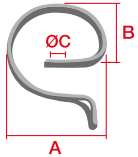
FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)
2479	70

2488



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2488

Ref.		A	B	C	D		M	Grs.			F
2488-C2A	65x12	466	619	268	13	45 mm	M12	7.720	120	2488R	
2488-C3A	65x12	466	619	268	13	45 mm	M12	7.500	120	2488R	100
2488-B C2A	65x12	469	622	268	13	45mm	M12	7.600	120	2488R	100
2488-B-A14 C2A	65x12	469	622	268	15	45mm	M12	7.600	120	2488R	100
2488-R	65x12	217	223	15x25				3.400	204		

Clamps. See page 100

Concave head.

See possible assemblies on page 102

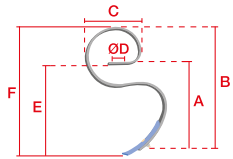
CLAMPS DEPENDING ON THE CHASSIS

Ref.	60x60	70x70
2488-C2A/C3A / 2488-B C2A	12488-6060	12488-7070

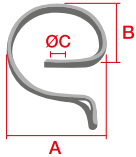
FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)	
	Only tine	With helper
2488-C2A/C3A	70x70	60x60

2489 "HERKULES"



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2489

Ref.		A	B	C	D	E	F		M	Grs.			F
2489 C2A	70x12	505	667	292	15			45 mm	M10	8.700	90	2489R	
2489 C2A+15035 CA	70x12	576	667	292	15	576	738	45 mm	M10	9.950	90	2489R	100
2489 C2A A12	70x12	505	667	292	15			45 mm	M12	8.700	90	2489R	
2489R	70x10	254	132		15					4.500	200		

Clamps. See page 100
Concave head.

2489 C2A fits with 1529 See page 57 / 1530 M10 See page 58 / 1535 S CN CA1 See page 64 / 15035 See page 59 / 15038 See page 76 / 15045 See page 53
2489 C2A A12 fits with 1530 M12 See page 58 / 1535 S CN See page 64 / 1599 S CN See page 80 / 15035 CP CA1 See page 59

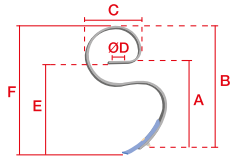
CLAMPS DEPENDING ON THE CHASSIS

Ref.	60x60	70x70 only tine	70x70 with helper	80x80
2489 C2A	12489-6060	12489-7070 / KITBAS7070BR70	KITBAS7070BR70	12489-8080 / KITBAS8080BR70

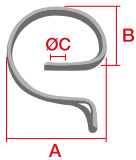
FRAME WHERE FITS





Ref.	MAX. CHASIS (mm)	MAX. CHASIS (mm)
2489	80x80	70x70

2550



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.


 2550

Ref.		A	B	C	D		M	Grs.			F
2550 C2A	70x12	505	691	327	17	45 mm	M10	9.130	90	2550R	100
2550 R	70x10	293	159	18				5.170	108		100

Fits with 1529 page 57 / 1530 M10 page 58 / 1535 S CN CA1 page 64 / 15035 page 59 / 15038 page 76 / 15045 page 53 / 15087 page 76
Clamps. See page 101

CLAMPS DEPENDING ON THE CHASSIS

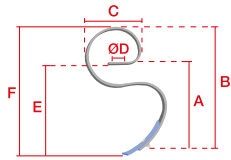
Ref.	70x70 only tine	70x70 with helper	80x80 only tine	80x80 with helper
2550	KITBAS7070BR70	KITBAS7070BR70	KITBAS8080BR70	KITBAS8080BR80

FRAME WHERE FITS

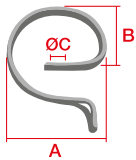
Ref.	MAX. CHASSIS (mm)	
	Only tine	With helper
2550	80x80	80x80

 2550R


2546



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



2546

Ref.		A	B	C	D		M	Grs.			F
2546 C2A	80x12	576	757	323	17	45 mm	M12	8.950	90	2546R	100
2546R	80x10	293	159		17			5.950	200		100

Fits with 1535 S CN with KIT2546C2A bolt. See Page 64
Clamps. See page 101

CLAMPS DEPENDING ON THE CHASSIS

Ref.	70x70 only tine	70x70 with helper	80x80 only tine	80x80 with helper
2546	KITBAS7070BR80	KITBAS7070BR80	KITBAS8080BR80	KITBAS8080BR80

FRAME WHERE FITS

Ref.	MAX. CHASIS (mm)	
	Only tine	With helper
2546C2A	90x90	80x80





2546R



CLAMPS FOR S-TINES



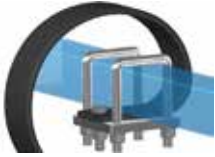
12470-12489

Ref.		Chasis		Grs.		M		F
12470-4040	32X10	40X40	50X6	280		M12		240
12470-4040R	32X10	40X40	50X6	300		M12	2474-1-40	240
12470-5012	32x10	50x12	50x6	248	72	M12		
12470-5012R	32x10	50x12	50x6	261	72	M12	2474-1	240
12470-5050	32x10	50x50	50x6	310	48	M12		
12470-5050R	32x10	50x50	50x6	335	48	M12	2474-1	
12472-4040	32x12	40x40	50x6	280		M12		240
12472-4040R	30x10	40x40	50x6	300		M12	2474-1	240
12472-5012	32x12	50x12	50x6	260	72	M12		
12472-5012R	32x12	50x12	50x6	260	24	M12	2474-1	
12472-5014	32x12	50x14	50x6	265	24	M12		360
12472-5050	32x12	50x50	50x6	310	48	M12		
12472-5050R	32x12	50x50	50x6	335	48	M12	2474-1	
12472-6363	32x12	2,5"x2,5"	57x6	420		14,5x14,3		360
12476-6060	45x12	60x60	70x8	710	12	M12		
12476-6060R	45x12	60x60	70x8	705	12	M12	2474-2	
12476-6060RA14	45x12	60x60	70x8	705	12	M14	2474-2 A14	360
12488-6060	65x12	60x60	90x10	600	12	M12		
12488-7070	65x12	70x70	90x10	700	12	M12		360
12489-6060	70x12	60x60	90x10	1.100	12	M14		
12489-7070	70x12	70x70	90x10	1.200	12	M14		
12489-8080	70x12	80x80	90x10	1.300	12	M14		


Codes ending with "R" are for assembly with helper springs




KIT CLAMP



KITBAS8080BR80

Ref.		Chasis	Grs.	M
KITBAS6060BR45	45x12	60x60	2.750	M12
KITBAS7070BR70	70x12	70x70	2.750	M14
KITBAS8080BR70	70x12	80x80	2.900	M14
KITBAS7070BR80	80x12	70x70	2.750	M16
KITBAS8080BR80	80x12	80x80	2.900	M16

S-Tine

	32x10	32x12	32x12	32x10	40x10	45x10	45x10	45x12	45x12
Ref.	2470	2472	2472 C2A	2473	2463	2506 C2A	2517	2511	2479 C3A
1502 /S CN /CP									
1503									
1504									
1505	M10x40TS	M10x40TS					M10x45TCB		
1529									
1530 M10									
1530 M12									
1535 S CN / CP									
1535 S CN CA1 / CP									
1543	M10x40TS	M10x40TS			M10x45TCB				
1544	M10x40TS	M10x40TS							
1545	M10x40TS								
1547 S C2A / CP									
1547 S C2A M12									
1548	M10x40TS								
1552	M10x40TS	M10x40TS							
1553 S C2A									
1553 S C2A M12									
1583				M10x40TS					
1594				M10x40TS					
1599ESP2488									
1599 S CN									
15000									
15001	M10x40TS	M10x40TS							
15035 S / CP									
15035 CP CA1									
15037 CA1									
15038									
15044								M10x60TCB	
15045									
15054 CA	M10x40TS	M10x40TS							
15054 CA3			M10x40TS						M10x60TCB
15087									
15098									M10x60TCB ▶
15099						M10x45TCB			

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

DISC HARROW

5

PLOUGH



S-Tine

	45x12	45x12	45x12	65x12	65x12	70x12	70x12	70x12	80x12
Ref.	2476	2476 C2A A10	2476 C2A/A14 C2A	2488-B C2A/A14 C2A	2488 C2A/C3A	2489 C2A	2489 C2A A12	2550 C2A	2546 C2A
1502 /S CN /CP			M12x45TCB	M12x60TCB	M12x60TCB				
1503			M12x45TCB	M12x60TCB					
1504	M10x45TCB								
1505	M10x45TCB								
1529		M10x45TCB				M10x60TCB		M10x60TCB	
1530 M10		M10x45TCB				M10x60TCB		M10x60TCB	
1530 M12			M12x45TCB	M12x60TCB	M12x60TCB		M12x60TCB		
1535 S CN / CP			M12x45TCB	M12x60TCB	M12x60TCB		M12x60TCB		KIT2546C2A
1535 S CN CA1 / CP		M10x45TCB				M10x60TCB		M10x60TCB	
1543									
1544									
1545									
1547 S C2A / CP		M10x45TCB							
1547 S C2A M12			M12x45TCB	M12x60TCB					
1548									
1552									
1553 S C2A		M10x45TCB							
1553 S C2A M12			M12x45TCB	M12x60TCB					
1583									
1594									
1599ESP2488					M12x60TCB				
1599 S CN			M12x45TCB	M12x60TCB			M12x60TCB		
15000	M10x45TCB								
15001									
15035 S / CP		M10x45TCB				M10x60TCB		M10x60TCB	
15035 CP CA1			M12x45TCB		M12x60TCB		M12x60TCB		
15037 CA1			M12x45TCB	M12x60TCB	M12x60TCB				
15038					M10x60TCB	M10x60TCB		M10x60TCB	
15044									
15045		M10x45TCB				M10x60TCB		M10x60TCB	
15054 CA									
15054 CA3									
15087					M12x60TCB			M10x60TCB	
15098	M10x60TCB*								
15099									

* 2476 CA3

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

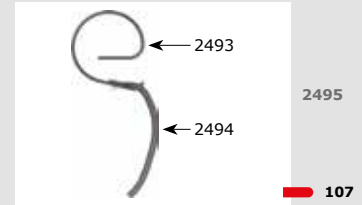
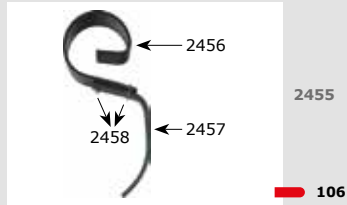
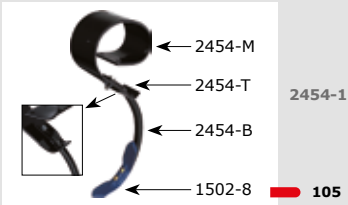
4

DISC HARROW

5

PLOUGH





1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

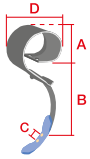
4

DISC HARROW

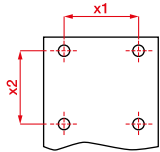
5

PLOUGH

2454-1



+
Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.



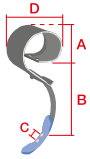
2454-1

Ref.		A	B	C	D	M	x1	Max.Chasis	Grs.	
2454-1		160	475	45	269	M16	100	50x50	16.000	30
2454-M	150x10mm							50x50	9.900	80
2454-B	50x13mm								2.900	300
2454-T									1.000	

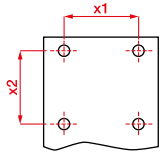
Type VF



Fits with 1502 See page 61 / 1502 S CN See page 62 / 1503 See page 63 / 1599 See page 80

2455



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.

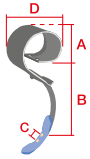

 2455

Ref.		A	B	C	D	M	x1	Max.Chasis	Grs.	
2455		182,5	578,5	43-69	319,5	M16	100	100x100	23.100	30
2456	150x14mm							100x100	16.700	60
2457	50x22mm			43-69					6.500	150
2458									294	

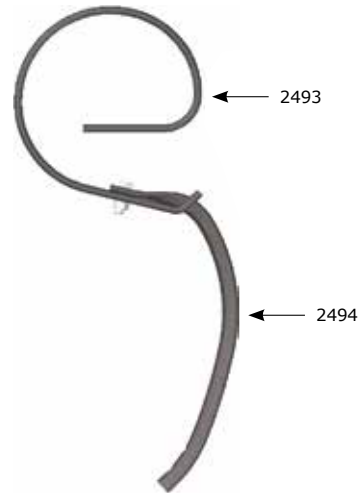
Type VFM

Fits with 1571 See page 124 / 1577 See page 125/ 15106 See page 38



2495



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.

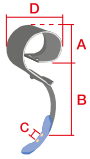


2495

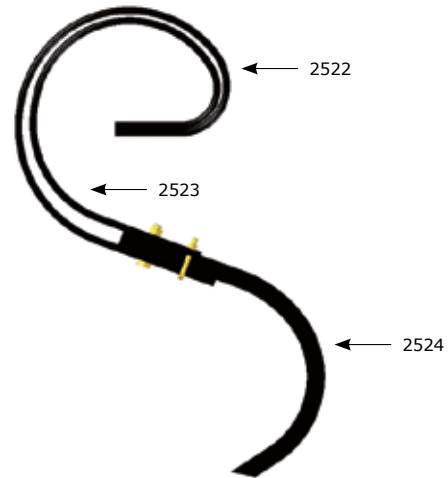
Ref.	Original Ref.		A	B	C	D	M	Max.Chasis	Grs.		F
2495			197	572	40	311	M16		9.530	90	100
2493	101000835	65X13mm	197			311		70x70	6.920	140	100
2494	101000837	50x10mm	444		40				2.510	400	100
2454-T									1.000		



Type VTH
Fits with 15037 CA See page 79 / 15103 See page 66 / 15104 See page 67

2525



Pre-tensioned:
eliminates the first
deformations to
maintain the shape
and be able to
provide a consistent
job.


 2525

Ref.		A	B	D	M	Grs.		F
2525		170	466	300	M12	9.600	90	100
2522	50x10mm					3.700	200	100
2523	50x10mm					3.300	200	100
2524	25x25mm					2.550	400	100

Fits with 15072CA See page 83



15023

110



15097

111



1551

112



1549

113



1550-A

114



1535

115



1535 CN

116



1537

117



1537 CN

118



1538

119



1576

120



1578

121



1579

122



1572

123



1571

124



1577

125



15034

126



1553

127



1547

128



1511

129



15036

130



1593

131



1512 CN

132



1513

133



1513 CN

134



1574

135



15046

136



15047 CN

137



15049 CN

138



15067 CN

139



15050

140



15051

141



15052

142



15053

143



15070

144



15077

145



15069

146



15041 (B)

147



15042 (B)

148

15027 (N)
CONCORDE

149

15028 (N)
PELICAN

150

15028 CA1
PELICAN

151



15048 (N)

152



15043 (N)

153



15029 (N)

154

15079 (N)
FURROWER 15"

155

1429
LISTER POINT

156



1561

157



1501

158



1500

159



1506

160



1507

161



1509

162



1510

163



1573

164



1581 - 1585

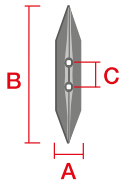
165



15005

166

15023



15023

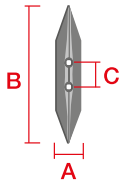
Ref.		A	B	C	Grs.				M	F
15023	7	45	170	45	390	12	1.512	1199A	M10	
15023 CP C1 DURATOP	12	41	168	45	520		1.500	1199A	M10	100

CP DURATOP: Point with tungsten carbide
Fits in seeding tines

15023 CP C1



15097



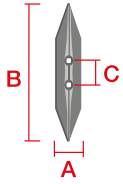
15097-CA-E8

Ref.		A	B	C	Grs.			M	F
15097-CA-E8	8	40	190	45	500	1.000	1199A	M10	100

Fits in seeding tines

1
PLANTERS AND SEED DRILL2
CURVED SUBSOILER3
CULTIVATOR4
DISC HARROW5
PLOUGH

1551



1551-CA

Ref.		A	B	C	Grs.				M
1551-CA	6	53	238	45	530	12	1.512	1199A	M10

Fits in seeding tines

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

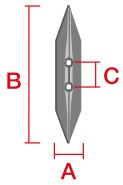
4

DISC HARROW

5

PLOUGH

1549



1549

Ref.		A	B	C	Grs.				M	F
1549	8	51	230	42-48	625	12	1.512	11990	M10	
1549 CA1	8	51	230	30-40	625		1.500	1199A	M11	100
1549 CN CP DURATOP	16	52	230	40-50	1.060		1.000	1199A	M10	

CP DURATOP: 3 tungsten carbide plates
Fits in seeding tines

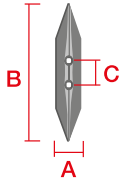
1549 CA1



1549 CN CP



1550-A



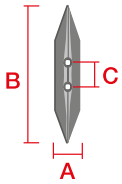
1550-A

Ref.		A	B	C	Grs.				M
1550-A	8	58	230	42-48	665	12	1.260	1199A	M10

Fits in double coil tine

Ref.	2480
1550-A	M10x40

1535



1535-0 CA2

Ref.	→ ←	Original Ref.	A	B	C	Grs.				M	F
1535-0 CA2	8		50	265	40-50	750		600	1199A	M11	100
1535-F CA2	8		50	320	40-50	950		500	1199A	M11	100
1535-A CA2 6	6		64	265	40-50	700		1.000	1199A	M11	100
1535-A CA3 CG	8	KK193570	64	265	35-60	900		900	1199A	M11	100
1535-A CA2 CG	8		65	265	40-50	900		900	1199A	M11	100
1535-A	8		65	265	45	900	12	1.080	1199A	M11	
1535-G CA2	9,5		65	320	40-50	1.550		500	1199A	M11	100
1535-B	10		75	337	45	1.650	12	540	1199A	M12	
1535-B CA2	10		75	337	40-50	1.650	12	540	1199A	M11	
1535-B C3A	10		75	337	45 / 45	1.650	12	540	1199A	M12	
1535-C	10		105	337	45	2.350	12	432	1199A	M12	

Fits in double coil tine

Ref.	2480	2481	2483	2484	2485	2486
1535-0/A/F/G CA2	M11x40	M11x50	M11x50			
1535-B / C3A / CA2		M12x50	M12x50	M12x50	M12x50	M12x60
1535-C			M12x50	M12x50	M12x50	M12x60

Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1535-0/A/F/G CA2	M11x50	M11x50	M11x50	M11x50					M11x50	M11x50
1535-B/B C3A/CA2/C					M12x60	M12x60	M12x70	M12x70		

1535-A



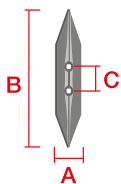
1535-A CA3



1535-B C3A



1535 CN



1535-B-CN-C2A

Ref.		A	B	C	Grs.				M
1535-B CN C2A	13	73	345	45	1.950	12	540	1199A	M12
1535-B CN CA1	13	73	345	45-75	1.950		300	1199A	M12
1535-B CN C3A	13	73	345	45 / 45	1.950	12	540	1199A	M12

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1535-B CN	M12x50	M12x50	M12x50	M12x60	M12x60

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL
1535-B CN	M12x60	M12x60	M12x70	M12x70

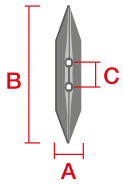
1535-B CN CA1



1535-B-CN-C3A



1537



1537

Ref.		A	B	C	Grs.			M
1537-B CG	13	67	400	45	2.100	500	1199A	M12

Fits in double coil tine

Ref.	2483	2484	2485	2486
1537-B	M12x50	M12x50	M12x60	M12x60

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL	2467
1537-B	M12x60	M12x60	M12x70	M12x70	M12x50

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

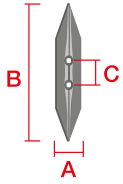
DISC HARROW

5

PLOUGH



1537 CN



1537-C CN

Ref.		A	B	C	Grs.				M
1537-B CN	14,5	68	370	45-60	2.700	6	324	1199A	M12
1537-C CN	18	71	405	45-60	2.700	6	330	1199A	M12

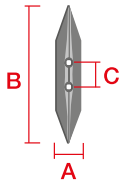
Fits in double coil tine

Ref.	2484	2485	2486
1537-B CN	M12x50	M12x60	M12x60
1537-C CN	M12x50	M12x60	M12x60

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL
1537-B CN	M12x60	M12x60	M12x70	M12x70
1537-C CN	M12x60	M12x60	M12x70	M12x70

1538



1538

Ref.		A	B	C	Grs.				M
1538	8	50	260	45	600	12	1.512	1199A	M10

Fits in double coil tine

Ref.	Ref.
1538	2480 M10x40

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

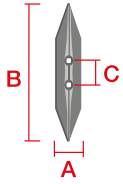
DISC HARROW

5

PLOUGH



1576



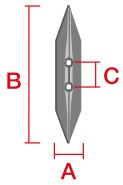
1576

Ref.		A	B	C	Grs.			M
1576	15	55	375	45-75	2.200	300	1199A	M12

Fits in double coil tine

Ref.	2483	2484	2485	2486
1576	M12x50	M12x60	M12x60	M12x60

1578



1578

Ref.		A	B	C	Grs.			M
1578	12	60	375	45-75	2.200	350	1199A	M12

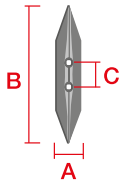
Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1578	M12x50	M12x50	M12x50	M12x60	M12x60

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL
1578	M12x60	M12x60	M12x70	M12x70

1579



1579

Ref.		A	B	C	Grs.			M	F
1579	15	55	375	35-70	2.300	350	1199A	M12	100

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1579	M12x50	M12x50	M12x60	M12x60	M12x60

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

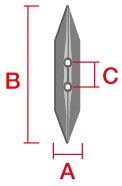
DISC HARROW

5

PLOUGH



1572

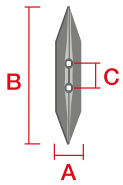


1572-CA

Ref.	Original Ref.		A	B	C	Grs.				M	F
1572 CA	KK303107	19	70	422	60	3.400	12	324	1199C	M16	100

1
PLANTERS AND SEED DRILL2
CURVED SUBSOILER3
CULTIVATOR4
DISC HARROW5
PLOW

1571



1571-B C3A

Ref.	→ ←	A	B	C	Grs.				M	F
1571-A CA	15	70	400	60	2.700	6	324		1/2"	100
1571-B C3A	20	60	400	45 /45	2.400	6	324	1199A	M12	
1571-B CA	20	60	400	50-70	2.400	6	324	1199A	M12	100
1571-B CA2	20	60	400	60	2.400	6	324	1199A	M12	
1571-C CA	19	80	400	45-75	3.400	6	270	1199A	M12	
1571-C CA1	19	70	400	60	3.400	6	270		1/2"	100

Fits in double coil tine

Ref.	2484	2485	2486
1571-B			M12x60
1571-B C3A/C CA	M12x60	M12x60	M12x60

Fits in tine Chisel

Ref.	2462-A	2462-B	2464-A	2464-AL	2467
1571-B C3A/C CA	M12x60	M12x60	M12x70	M12x70	M12x60

Fits in stubble tine

Ref.	2444-865 A12 CA1 / 2444-865 A12 CA2
1586 CA + 1571-C CA	M12x70

1571-B CA2



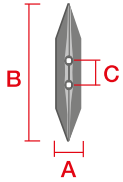
1571-B CA



1571-C CA



1577



1577 CA

Ref.		A	B	C	Grs.			M
1577 CA	20	135	453	70	3.200	125	1199A	M12
1577 CA1	20	135	453	70	3.200	125	1199A	M14
1577 CA3	20	135	453	45-75	3.200	125	1199A	M12

Fits in tine Chisel

REF.	2462-A	2462-B	2464-A	2464-AL
1577-CA3	M12x60	M12x60	M12x70	M12x70

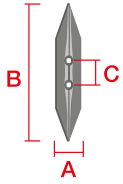
Fits in stubble tine

Ref.	2444-865 A12 CA1	2444-865 A14 CA1
1586-CA + 1577-CA/1577 CA3	M12x70	
1586-CA1 + 1577 CA1		M14x70
1586-CA2 + 1577 CA1		M14x70

1577-C3A



15034

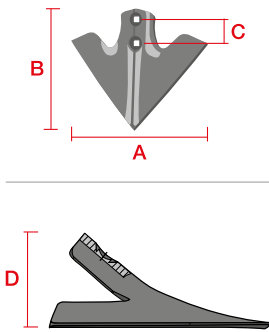


15034

Ref.			A	B	C	Grs.			M	F
15034 A 10 CA1 420	120x10	10	120	420	45-80/45-80	3.500	200	1199A	M12	100
15034 B 12 CA1 420	100x12	12	100	420	45-80/45-80	3.600	200	1199A	M12	100
15034 C 12 CA1 420	80x12	12	80	420	45-80/45-80	2.950	250	1199A	M12	100
15034 A 12 CA1 450	120x12	12	120	450	45-80/45-80	4.750	175	1199A	M12	100
15034 B 12 CA1 450	100x12	12	100	450	45-80/45-80	4.000	200	1199A	M12	100
15034 B 12 CA1 480	100x12	12	100	480	45-80/45-80	4.450	200	1199A	M12	100
15034 C 12 CA1 480	80x12	12	80	480	45-80/45-80	3.600	200	1199A	M12	100

Also available with three holes with 70/70 inter-centres

1553



1553

Ref.	\rightarrow \leftarrow	A	B	C	D	Grs.				M
1553 C2A	4,5	130	145	45	85	475	12	1.224	11990	M10

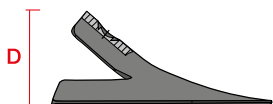
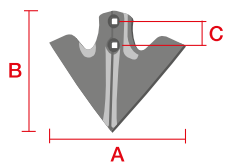
Fits in double coil tine

Ref.	Ref.
1553-C2A	2480 M10x40

1553



1547



1547-C2A

Ref.	→ ←	A	B	C	D	Grs.				M	F
1547	4	200	115		55	400	12	1.440	11990	M10	
1547-0	4	175	115		55	350		1.500	11990	M10	
1547-00	4	150	115		55	310		1.500	11990	M10	
1547 C2A 5	5	195	145	45	85	585	12	1.224	11990	M10	
1547 C2A 250	5	250	145	45	85	680		250	11990	M10	100
1547 C2N CP DURATOP	14	200		45		1.275		800	1199A	M10	

1547 C2N CP: 11 tungsten carbide plates and reinforced neck

Fits in double coil tine

Ref.	2480
1547-C2A	M10x40

1547-0



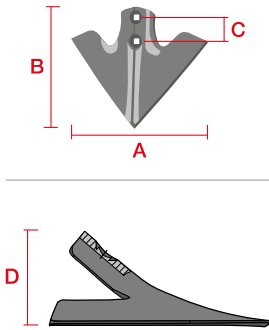
1547



1547 C2N CP



1511



1511-2

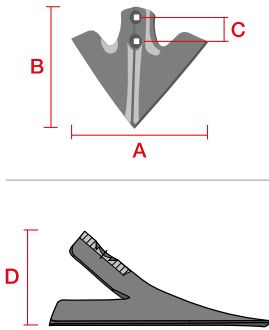
Ref.		A	B	C	D	Grs.				M
1511-2	4	200	120	40-45	120	550	12	1.080	1199A	M10
1511-4	4	300	120	40-45	120	700	12	648	1199A	M10
1511-6	4	400	120	40-45	120	925	12	360	1199A	M10

Fits in double coil tine

Ref.	2481	2483
1511	M10x50	M10x50



15036



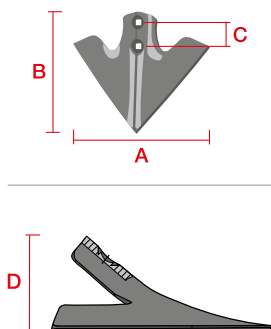
15036

Ref.	→ ←	A	B	C	D	Grs.			M	F
15036 CA	6	260	220	55	110	1.950	250	1199A	M12	
15036 CA 305	6	305	222	55	110	2.000	200	1199A	M12	100

15036



1593



1593

Ref.	— —	A	B	C	D	Grs.				M	F
1593-6	6	362	218	45	90	1.725	6	144	1199A	M12	
1593-8	8	362	218	45	90	2.300	6	144	1199A	M12	100

Fits in double coil tine

Ref.	2483	2484	2485	2486
1593	M11x50	M11x50	M11x60	M11x60

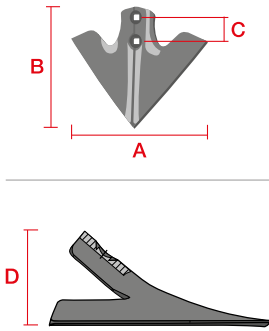
Fits in tine Chisel

Ref.	2467
1593	M11x50

1593



1512 CN



1512 A C2N

Ref.	α	\pm	A	B	C	D	Grs.			M	F
1512-A CN CG	47°	6	270	195	45	112	1.750	500	1199A	M12	
1512-A C2N CG	47°	7	270	195	45	112	2.000	500	1199A	M12	
1512-A7 C2N CG	47°	7	185	195	45	112	1.580	500	1199A	M12	100
1512-A9 C2N CG	47°	7	230	195	45	112	1.800	500	1199A	M12	100
1512-A C2N CP DURATOP	47°	7,5	280		45		2.900	333	1199A	M12	

1512-A-C2N CG / 1512-A-7-C2N CG / 1512-A-9-C2N CG / 1512 A C2N CP: painted in blue epoxy painting.
 1512 A C2N CP: 13 tungsten carbide plates and reinforced neck

Fits in double coil tine

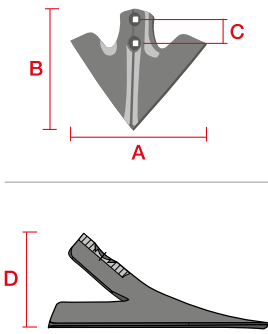
Ref.	2481	2483	2484	2485	2486
1512-A CN / C2N	M12x50	M12x50	M12x50	M12x50	M12x50

Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1512-A CN	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x70	M12x50	M12x50



1513



1513

Ref.	±	A	B	C	D	Grs.				M	F
1513-0	5	230	185	45	80	850	12	900	1199A	M12	
1513-0 CA1	5	230	185	30-42	80	850	12	1.000	1199A	M12	100
1513-A CA1 5	5	280	210	30-42	85	1.150		500	1199A	M12	100
1513-A	6	280	210	45	85	1.400	12	540	1199A	M12	
1513-B	6	335	275	45	100	2.100	12	288	1199A	M12	

Fits in double coil tine

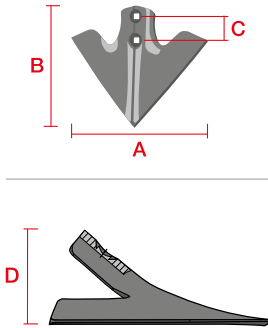
Ref.	2481	2481-H	2483	2484	2485	2486
1513-0/A CA1		M11x50				
1513-0	M10x50		M11x50			
1513-A			M11x50	M11x50	M11x60	M11x60
1513-B			M12x50	M12x50	M12x60	M12x60

Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1513-0/0 CA1	M11x50	M11x50	M11x50	M11x50					M11x50	M11x50
1513-A/A CA1	M11x50	M11x50	M11x50	M11x50	M11x50	M11x60	M11x60	M11x60	M11x50	M11x50
1513-B	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x70		



1513 CN



1513-A-CN

Ref.	α	\rightarrow \leftarrow	A	B	C	D	Grs.			M
1513-A CN 6 CG	35,5°	6	270	210	45	100	1.750	500	1199A	M12
1513-A CN 8 CG	35,5°	8	270	210	45	100	2.150	500	1199A	M12
1513-A C2N CG	35,5°	7	270	210	45	100	2.000	500	1199A	M12
1513-A C2N CP DURATOP	35,5°	7,5	270		45		3.170	333	1199A	M12

1513-A-CN8 CG / 1513-A-C2N CG / 1513 A C2N CP: painted in blue epoxy painting.
1513 A C2N CP: 13 tungsten carbide plates and reinforced neck

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486 GD
1513- A CN / C2N	M12x50	M12x50	M12x50	M12x50	M12x50

Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1513-A CN / C2N	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x70	M12x50	M12x50

1513 A CN



1513 A C2N



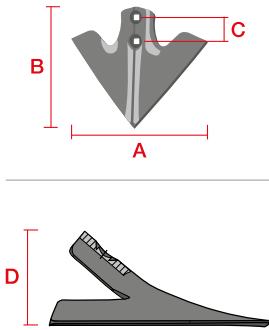
1513 A C2N



1513-A C2N CP



1574

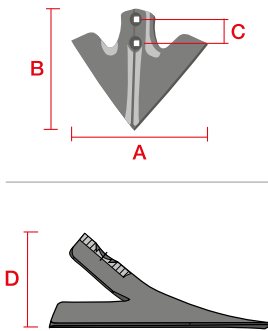


1574



Ref.		A	B	C	D	Grs.			M
1574	10,5	250	355	45-75	195	3.000	150	1199A	M12

15046



15046-8

Ref.		A	B	D	Grs.			M	F
15046 CA 4" E6	6	105	177	56	560	1.500	1199G	M12	100
15046 CA 5" E6	6	130	168	80	720	1.300	1199G	M12	100
15046 CA 6" E6	6	155	183	85	890	1.100	1199G	M12	100
15046 CA 7" E6	6	180	180	92	970	1.000	1199G	M12	100
15046 CA 8" E6	6	205	186	110	1.200	800	1199G	M12	100
15046 CA 9" E6	6	230	198	118	1.380	600	1199G	M12	100
15046 CA 10" E6	6	255	223	130	1.750	500	1199G	M12	100

15046-4



15046-5



15046-6



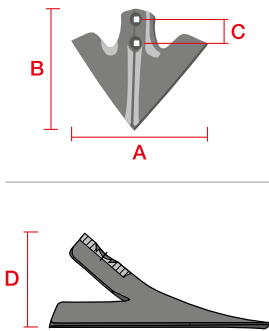
15046-9



15046



15047 CN



Ref.	→ ←	A	B	D	Grs.			M	F
15047 CA 2,5" CN E6	6	75	122	70	380	800	1199I	M11	100
15047 CA 4" CN E6	6	102	122	70	430	800	1199I	M11	100
15047 CA 5" CN E6	6	130	132	73	550	1.000	1199I	M11	100
15047 CA 6" CN E6	6	152	132	73	550	1.000	1199I	M11	100
15047 CA 7" CN E6	6	178	150	78	740	1.000	1199I	M11	100
15047 CA 8" CN E6	6	203	150	78	770	1.000	1199I	M11	100

15047-2,5 CN



15047-4 CN



15047-5 CN



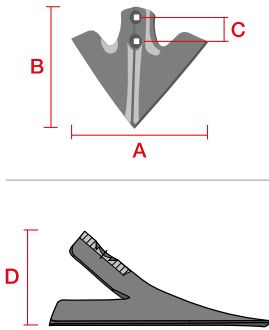
15047-8 CN



15047 CN



15049 CN



15049-5 CN

Ref.		A	B	D	Grs.		F
15049 CA 2" CN E6	6	2"-75mm	93	65	350	1.500	100
15049 CA 2,5" CN E6	6	2,5"-85mm	109	70	400	1.200	100
15049 CA 4" CN E6	6	4"-105mm	116	72	440	1.200	100
15049 CA 5" CN E6	6	5"-135mm	116	72	500	1.000	100
15049 CA 6" CN E6	6	6"-155mm	126	75	620	1.000	100
15049 CA 7" CN E6	6	7"-180mm	132	77	730	750	100
15049 CA 8" CN E6	6	8"-200mm	139	79	820	700	100

15049-2,5 CN



15049-4 CN



15049-6 CN



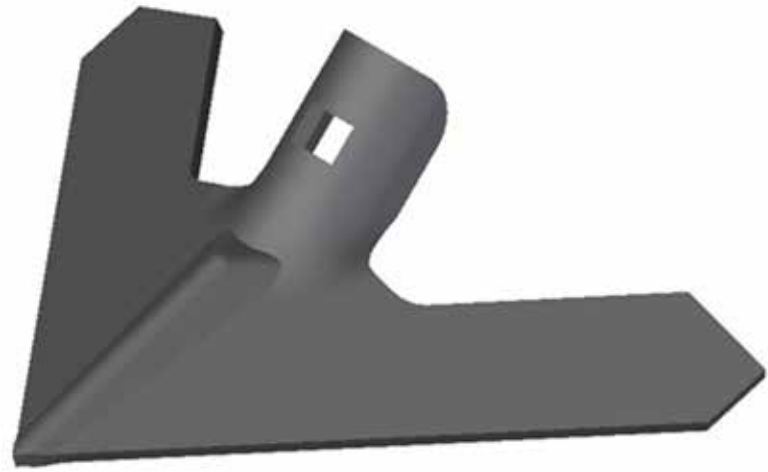
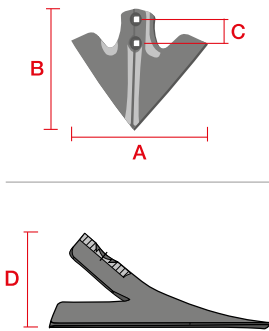
15049-8 CN



15049 CN



15067 CN



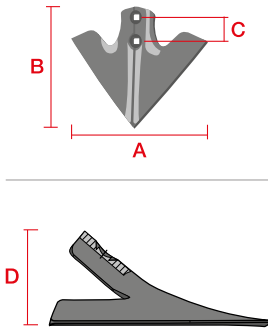
15067-F10

Ref.	→ ←	Original Ref.	A	B	D	Grs.		M	F
15067 CA 8 CN E5	5	16108	8"-203mm	145	78	750	700	M12	100
15067 CA 9 CN E5	5	16109	9"-228mm	145	78	790	600	M12	100
15067 CA 10 CN E5	5	16110	10"-254mm	145	78	840	600	M12	100
15067 CA 10 CN E6	6		10"-254mm	145	78	950	500	M12	100
15067 CA 12 CN E5	5	16112	12"-305mm	145	78	890	500	M12	100
15067 CA 12 CN E6	6		12"-305 mm	145	78	1.100	500	M12	100

15067 CN



15050



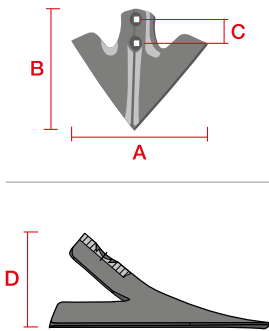
15050 430 CA1

Ref.	α	\pm	A	B	C	D	Grs.			M	F
15050 BCA 330	47°	6	330	280	56	120	2.100	250	1199A	M12	100
15050 CCA 305	50°	6	305	270	56	120	2.000	250	1199A	M12	100
15050 CCA 330	50°	6	330	280	56	120	2.100	250	1199A	M12	100
15050-375	54°	7	375	270	56	120	3.200	210	1199A	M12	100
15050-375 CA1	54°	7	375	270	45-56	120	3.200	200	1199A	M12	100
15050-410	54°	7	410	270	56	120	3.500	150	1199A	M12	100
15050-430	54°	7	430	270	56	120	3.680	150	1199A	M12	100
15050-430 CA1	54°	7	430	270	45-56	120	3.680	150	1199A	M12	100
15050-450	54°	8	450	270	56	120	4.450	125	1199A	M12	100
15050-470	54°	8	470	270	56	120	4.700	100	1199A	M12	100
15050-470 CA1	54°	8	470	270	45-56	120	4.700	100	1199A	M12	100

Fits in tine up to 55mm wide.



15051



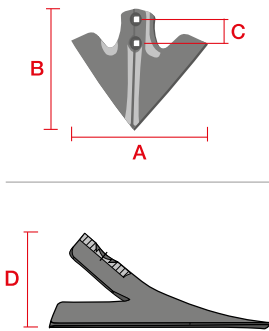
15051-B

Ref.	α	\pm	A	B	C	D	Grs.			M	F
15051	20°	6	250	181	45	62	1.150	400	1199A	M10	100
15051-A	20°	6	270	181	45	62	1.200	400	1199A	M10	100
15051-B	20°	6	330	181	45	62	1.400	300	1199A	M10	100

15051



15052



15052-A

Ref.		A	B	C	D	Grs.			M	F
15052-A	6	275	164	45	66	1.000	400	1199A	M10	100
15052-B	6	335	164	45	66	1.150	300	1199A	M10	100

Use screw kit 1199kit2447 to assemble with tine. See page 183

15052-A



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

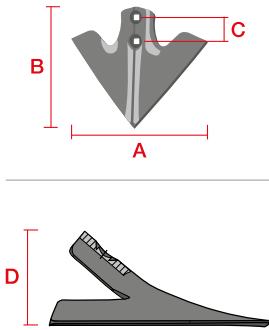
4

DISC HARROW


5

PLOUGH

15053



15053

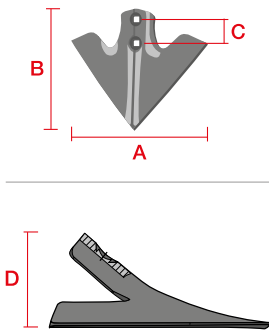
Ref.	→ ←	A	B	D	Grs.		F
15053	5	300	280	42	1.975	500	100
15053-A	5	300	280	42	1.975	500	100

Model 15053-A has a different hole configuration

15053



15070



15070

Ref.		A	C	D	Grs.			M	F
15070 CA 375	8	375	57	140	3.450	100	1199A	M12	100
15070 CA 405	8	405	57	140	3.900	100	1199A	M12	100

Fits in tine up to 29 mm wide.

15070



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

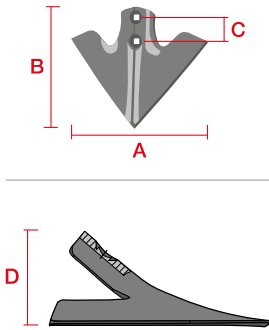
4

DISC HARROW

5

PLOUGH

15077



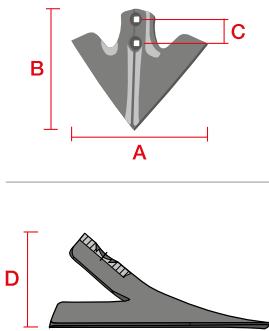
15077 CA

Ref.	α	\rightarrow \leftarrow	A	C	D	Grs.		M		F
15077 CA 270 E6	66°	6	270	45	100	1.300	11990	M10	250	100
15077 CA 290 E6	66°	6	290	45	100	1.350	11990	M10	250	100
15077 CA 310 E6	66°	6	310	45	100	1.400	11990	M10	250	100

15077



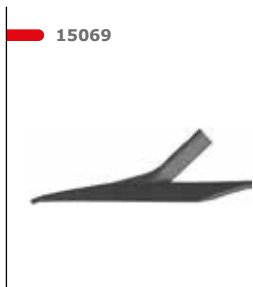
15069



15069-K18

Ref.	α	\rightarrow \leftarrow	A	C	D	Grs.			M	F
15069 I14 CA E8	43°	8	14"-355mm	57	120	3.700	150	1199A	M12	100
15069 J16 CA E8	43°	8	16"-405 mm	57	120	4.000	150	1199A	M12	100
15069 K18 CA E8	43°	8	18"-460mm	57	120	4.250	120	1199A	M12	100

Fits in tine up to 55mm wide



15069

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

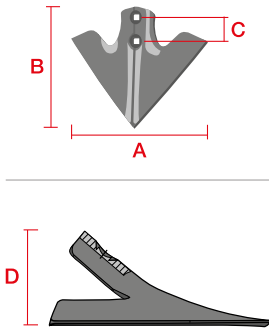
4

DISC HARROW

5

PLOUGH

15041 (B)



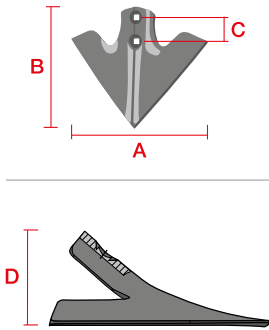
15041

Ref.	Original Ref.	α	\pm	Grs.	A	D		F
15041-C7-E6	200-PWV-0700	47°	6	1.350	180	125	350	100
15041-E9-E6	200-PWV-0900	47°	6	1.500	228	125	300	100
15041-F10-E6	200-PWV-1000	47°	6	1.650	254	125	275	100
15041-G11-E6	200-PWV-1100	47°	6	1.750	280	125	250	100
15041-H12-E6	200-PWV-1200	47°	6	1.900	305	125	225	100
15041-B5-E8	200-PWV-0508	47°	8	1.550	130	125	400	100
15041-C7-E8	200-PWV-0708	47°	8	1.750	180	125	350	100
15041-E9-E8	200-PWV-0908	47°	8	2.000	228	125	300	100
15041-F10-E8	200-PWV-1008	47°	8	2.200	254	125	275	100
15041-G11-E8	200-PWV-1108	47°	8	2.350	280	125	250	100
15041-H12-E8	200-PWV-1208	47°	8	2.500	305	125	225	100

15041



15042 (B)



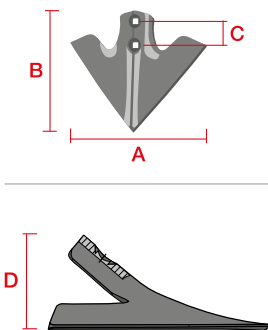
15042

Ref.	Original Ref.	α	$\frac{1}{2}$	Grs.	A	D		F
15042-A4-E6	410-PWV-0400	50°	6	1.500	102	158	400	100
15042-B6-E6	410-PWV-0600	50°	6	1.850	152	158	350	100
15042-D8-E6	410-PWV-0800	50°	6	2.150	203	158	300	100
15042-F10-E6	410-PWV-1000	50°	6	2.500	254	158	250	100
15042-H12-E6	410-PWV-1200	50°	6	2.850	305	158	200	

15042



15027 (N) CONCORDE



15027-C7

Ref.	Original Ref.	α	\pm	A	B	C	D	Grs.			M	F
15027-B6	47C6BK7	47°	6	6"	7"	1 3/4"	33/16"	1.120	450	1199A	7/16"	100
15027-C7	47C7BK7	47°	6	7"	7"	1 3/4"	33/16"	1.260	400	1199A	7/16"	100
15027-D8	47C8BK7	47°	6	8"	7"	1 3/4"	33/16"	1.340	390	1199A	7/16"	100
15027-E9	47C9BK7	47°	6	9"	7"	1 3/4"	33/16"	1.430	300	1199A	7/16"	100
15027-F10	47C10BK7	47°	6	10"	7"	1 3/4"	33/16"	1.500	300	1199A	7/16"	100
15027-G11	47C11BK7	47°	6	11"	7"	1 3/4"	33/16"	1.600	300	1199A	7/16"	100
15027-H12	47C12BK7	47°	6	12"	7"	1 3/4"	33/16"	1.750	300	1199A	7/16"	100
15027-B6 CA1		47°	6	152	187	45	85	1.120	450	1199A	M11	100
15027-C7 CA1		47°	6	180	187	45	85	1.260	420	1199A	M11	100
15027-D8 CA1		47°	6	203	187	45	85	1.340	390	1199A	M11	100
15027-E9 CA1		47°	6	228	187	45	85	1.430	375	1199A	M11	100
15027 CA1 235		47°	6	235		45	85	1.250	300	1199A	M11	100
15027-F10 CA1		47°	6	254	187	45	85	1.500	360	1199A	M11	100
15027-G11 CA1		47°	6	280	187	45	85	1.600	330	1199A	M11	100
15027-H12 CA1		47°	6	305	187	45	85	1.750	300	1199A	M11	100
15027-I14 CA1		47°	6		187	45	85	1.800	250	1199A	M11	100

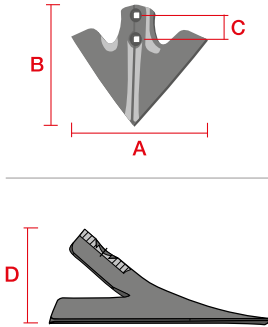
Fits in tine up to 47mm wide.

Fits in tine Chisel

Ref.	2461-B
15027 - B6 / C7 CA1	M11x40



15028 (N) PELICAN



15028-E9

Ref.	Original Ref.	α	β	A	B	C	D	Grs.			M	F
15028-6-B6	47UW6B7	47°	6	6"	9"	1 3/4"	3-2/3"	1.150	450	1199A	7/16"	100
15028-6-C7	47UW7B7	47°	6	7"	9"	1 3/4"	3-2/3"	1.270	375	1199A	7/16"	100
15028-6-D8	47UW8B7	47°	6	8"	9"	1 3/4"	3-2/3"	1.375	350	1199A	7/16"	100
15028-6-E9	47UW9B7	47°	6	9"	9"	1 3/4"	3-2/3"	1.480	300	1199A	7/16"	100
15028-6-F10	47UW10B7	47°	6	10"	9"	1 3/4"	3-2/3"	1.585	250	1199A	7/16"	100
15028-6-G11	47UW11B7	47°	6	11"	9"	1 3/4"	3-2/3"	1.710	300	1199A	7/16"	100
15028-6-H12	47UW12B7	47°	6	12"	9"	1 3/4"	3-2/3"	1.810	300	1199A	7/16"	100
15028-B6		47°	8	6"	9"	1 3/4"	3-2/3"	1.500	450	1199A	7/16"	100
15028-C7		47°	8	7"	9"	1 3/4"	3-2/3"	1.650	375	1199A	7/16"	100
15028-D8		47°	8	8"	9"	1 3/4"	3-2/3"	1.800	350	1199A	7/16"	100
15028-E9	47UW9F7	47°	8	9"	9"	1 3/4"	3-2/3"	1.900	300	1199A	7/16"	100
15028-F10	47UW10F7	47°	8	10"	9"	1 3/4"	3-2/3"	2.000	250	1199A	7/16"	100
15028-G11	47UW11F7	47°	8	11"	9"	1 3/4"	3-2/3"	2.050	300	1199A	7/16"	100
15028-H12	47UW12F7	47°	8	12"	9"	1 3/4"	3-2/3"	2.120	300	1199A	7/16"	100
15028-I14		47°	8	14"	9"	1 3/4"	3-2/3"	2.400	250	1199A	7/16"	100

15028-D8



15028-F10



15028-G11



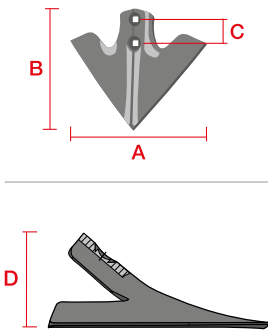
15028-H12



15028



15028 CA1 PELICAN



15028-E9

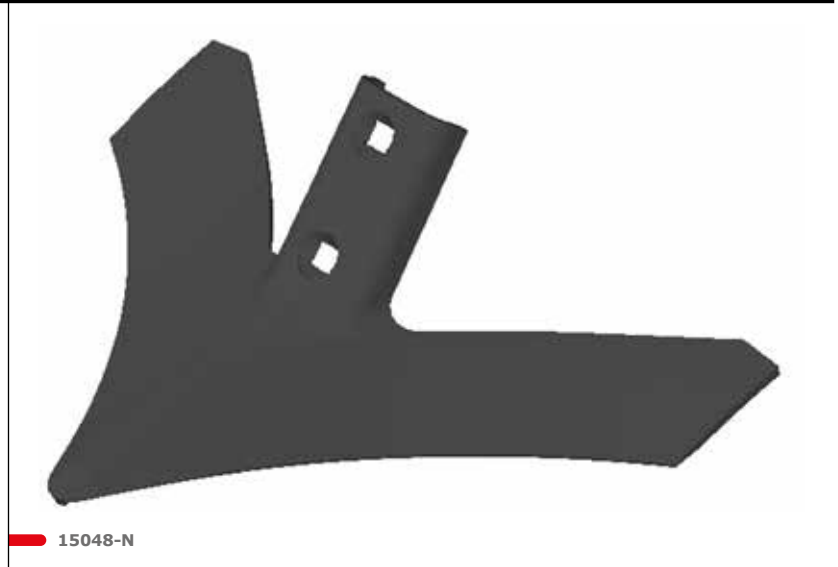
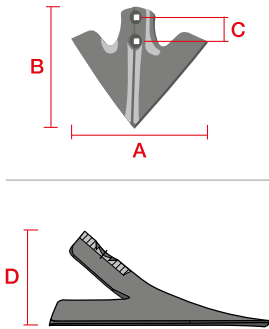
Ref.	α	\pm	A	B	C	D	Grs.			M	F
15028-6-B6 CA1	47°	6	152	230	42-46	93	1.150	450	1199A	M11	100
15028-6-C7 CA1	47°	6	180	230	42-46	93	1.270	375	1199A	M11	100
15028-6-D8 CA1	47°	6	203	230	42-46	93	1.375	350	1199A	M11	100
15028-6-E9 CA1	47°	6	228	230	42-46	93	1.480	300	1199A	M11	100
15028-6-235 CA1	47°	6	235	230	42-46	100	1.450	300	1199A	M11	100
15028-6-F10 CA1	47°	6	254	230	42-46	93	1.585	250	1199A	M11	100
15028-6-G11 CA1	47°	6	280	230	42-46	93	1.710	300	1199A	M11	100
15028-6-H12 CA1	47°	6	305	230	42-46	93	1.810	300	1199A	M11	100
15028-B6 CA1	47°	8	152	230	42-46	93	1.500	450	1199A	M11	100
15028-C7 CA1	47°	8	180	230	42-46	93	1.650	375	1199A	M11	100
15028-D8 CA1	47°	8	203	230	42-46	93	1.800	350	1199A	M11	100
15028-E9 CA1	47°	8	228	230	42-46	93	1.900	300	1199A	M11	100
15028-8-235 CA1	47°	8	235	230	42-46	100	1.870	300	1199A	M11	100
15028-F10 CA1	47°	8	254	230	42-46	93	2.000	250	1199A	M11	100
15028-G11 CA1	47°	8	280	230	42-46	93	2.050	300	1199A	M11	100
15028-H12 CA1	47°	8	305	230	42-46	93	2.120	300	1199A	M11	100
15028-H12 CA1 50	50°	8	305	230	42-46	100	2.120	300	1199A	M11	100
15028 CA 330 E8	47°	8	330	230	42-46		2.400	300	1199A	M11	100
15028-I14 CA1	47°	8	350	230	42-46		2.450	300	1199A	M11	100

Fits in tine Chisel

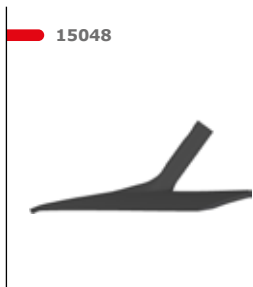
Ref.	2461-B
15028 - 6/8 - B6 / C7 CA1	M11x40



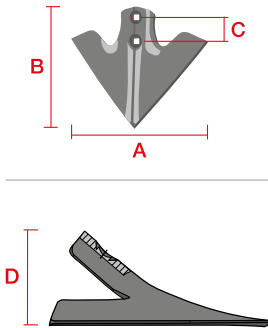
15048 (N)



Ref.	Original Ref.	α	\pm	A	C	D	Grs.			M	F
15048 H12 CA E8	B5412F2-TW	54°	8	12"-305mm	76	148	3.450	180	1199A	M14	100
15048 I14 CA E8	B5414F2-TW	54°	8	14"-255mm	76	148	3.750	150	1199A	M14	100
15048 J16 CA E8	B5416F2-TW	54°	8	16"-405mm	76	148	4.100	120	1199A	M14	100
15048 K18 CA E8	B5418F2-TW	54°	8	18"-460mm	76	148	4.350	100	1199A	M14	100



15043 (N)



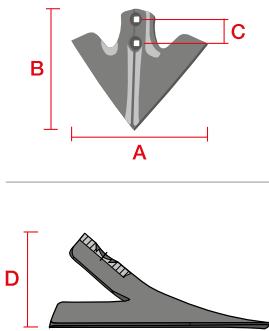
15043

Ref.	Original Ref.	α	\rightarrow \leftarrow	A	C	D	Gr.			M	F
15043-F10-CA E8		50°	8	254	57	130	3.100	235	1199A	M12	100
15043-H12-CA-E6	B5012F-2	50°	6	355	57	130	2.500	200	1199A	M12	100
15043-H12-CA E8	B5012F-2	50°	8	305	57	130	3.400	200	1199A	M12	100
15043-I14-CA E8	B5014F-2	50°	8	355	57	130	3.700	170	1199A	M12	100
15043-I14-CA1 E8		50°	8	355	57	130	3.700	200	1199A	M16	100
15043-J16-CA- E6	B5016-2	50°	6	405	57	130	3.000	120	1199A	M12	100
15043-J16-CA E8	B5016F-2	50°	8	405	57	130	4.000	150	1199A	M12	100
15043-J16-CA1 E8		50°	8	405	57	130	4.000	150	1199A	M16	100
15043-K18-CA E6	B5018-2	50°	6	460	57	130	3.200	100	1199A	M12	100
15043-K18-CA E8	B5018F-2	50°	8	460	57	130	4.250	120	1199A	M12	100
15043-K18-CA1 E8		50°	8	460	57	130	4.250	100	1199A	M16	100

15043



15029 (N)



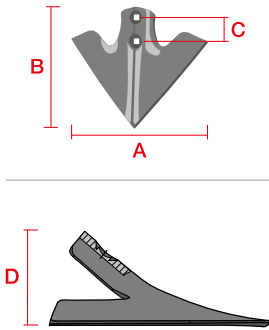
15029

Ref.	Original Ref.	α	\pm	Grs.	A	B	D		F
15029-C7	UWQC7 B/F	47°	6-7,5	1.340	180	220	100	500	100
15029-D8	UWQC8 B/F	47°	6-7,5	1.430	203	220	100	450	100
15029-E9	UWQC9 B/F	47°	6-7,5	1.520	228	220	100	400	100
15029-F10	UWQC10 B/F	47°	6-7,5	1.620	254	220	100	350	100

15029

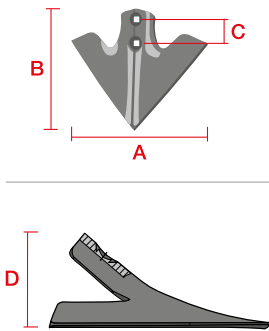


15079 (N) FURROWER 15"




Ref.	Original Ref.	→ ←	A	C	D	Grs.			M	F
15079 CA 380 E6	15 SLOT	6	380	31-59	240	6.500	50	1199A	M11	100
15079 CA 380 E8		8	380	31-59	240	8.500	50	1199A	M11	100

1429 LISTER POINT



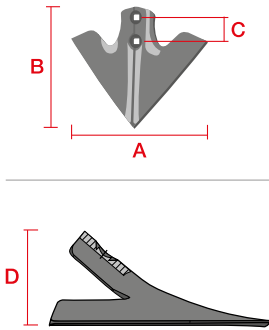
1429-B

Ref.	— —	A	B	D	Grs.		F
1429	8	375	390	90	4.500	120	100
1429 10	10	375	390	90	5.760	120	100
1429-B CA	10	355	390	80	5.600	120	100

1429



1561

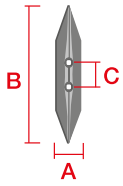


Ref.		A	C	D	Grs.				M
1561-A	4	325	40-50	165	2.000	12	288	1199A	M11
1561-B	5	460	40-50	210	4.100		72	1199A	M11
1561-A6	6	325	40-50	165	3.240		100	1199A	M11
1561-B6	6	460	40-50	210	5.000		72	1199A	M11

Fits in double coil tine

Ref.	2481	2483
1561	M11x50	M11x50

1501



1501 D - 1501 I

Ref.	→ ←	A	B	C	Gr.				M
1501-D	10	74	325	45-55	1.600	12	648	11990	M12
1501-I	10	74	325	45-55	1.600	12	648	11990	M12

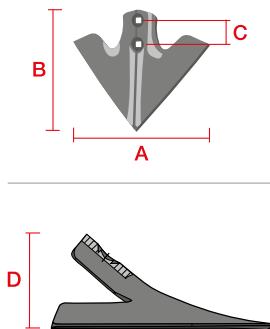
Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1500 + 1501	M12x60	M12x60	M12x70	M12x70	M12x70
1501	M12x50	M12x50	M12x60	M12x60	M12x60

Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1500 + 1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x70	M12x60	M12x60
1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x70	M12x50	M12x50

1500



1500

Ref.		A	B	C	D	Grs.			M
1500	6	308	155	45-55	95	1.200	12	360	M12
1500-8	8	308	155	45-55	95	1.600	12	360	M12

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1500 + 1501	M12x60	M12x60	M12x70	M12x70	M12x70

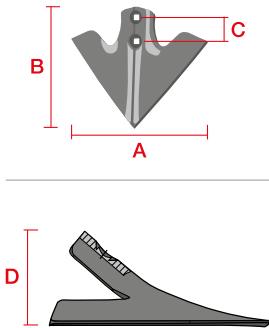
Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1500 + 1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x70	M12x60	M12x60

1500



1506



1506

Ref.		A	B	C	D	Grs.			M
1506	8	290	162	45-56	105	2.000	12	360	M12
1506 CA 335 E8	8	335	176	45-56	105	2.200	12	360	M12

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1506 + 1501	M12x60	M12x60	M12x70	M12x70	M12x70

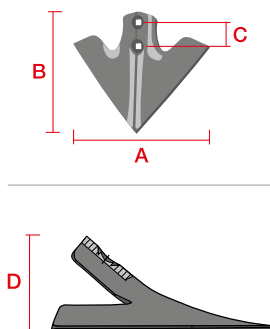
Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2466	2467
1506+ 1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60

1506



1507



1507

Ref.	→ ←	A	B	C	D	Grs.			M
1507	6	308	155	45-75	95	1.200	12	360	M12
1507-8	8	308	155	45-75	95	1.600	12	360	M12

Fits in double coil tine

Ref.	2481	2483	2484	2485	2486
1507 + 1501	M12x60	M12x60	M12x70	M12x70	M12x70

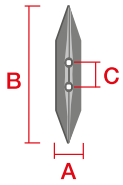
Fits in tine Chisel

Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A	2464-AL	2466	2467
1507 + 1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x70	M12x60	M12x60

1507



1509



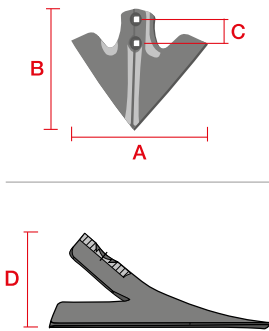
1509

Ref.		A	B	C	Grs.				M	F
1509	10	70	410	78 / 78	2.400	6	360	1199A	M12	100
1509-B	10	80	410	78 / 78	2.500	6	360	1199A	M12	100

Fits in stubble tine

Ref.	2441
1509 + 1510	M12x60

1510



1510

Ref.		A	B	C	D	Grs.			M	F
1510-B	8	320	240	35/35-40	112	2.800	6	144	M12	100
1510	8	430	285	35/35-40	112	3.450	6	144	M12	

Fits in stubble tine

Ref.	2441
1509 + 1510	M12x60

1510



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

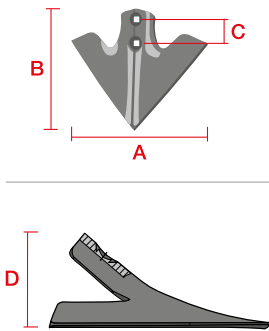
4

DISC HARROW

5

PLOUGH

1573



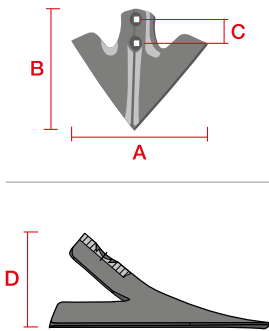
1573

Ref.	α	β	Grs.	A	C	D			M	F
1573-A12 CA2	21°	12	6.900	435	45-75	128	80	1199A	M14	100
1573-A-12-CA2-450	21°	12	6.200	450	45-75	128	80	1199A	M14	100

1573



1581 - 1585



1581

Ref.		A	B	D	Grs.			M	F
1581	10	146	201	74	1.575	450	1199A	M12	100
1585	10	140	200	89	1.720	450	1199A	M12	100

1585



15005



15005

Ref.	→ ←	A	B	C	D	Grs.		M		F
15005	8					5.700	1199A	M12	60	100
15003 A	6	385	230			3.125	15005T	M8	200	
15002	8	250	285	45	104	2.600	1199A	M12	240	

15005=15002+15003-A+15005T

Fits in tine Chisel

Ref.	2464-A	2464-AL
15005	M12x60	M12x60

Fits in double coil tine

Ref.	2485
15005	M12x60

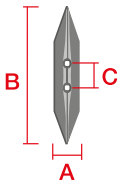
15002



15003-A



LEMKEN SMARAG

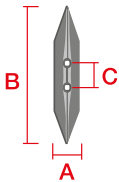


Ref.	Original Ref.	↔	A	B	C	Gr.			M	F
1595 10 CA	4679105	10	150	194	40/70	2.350	125	1199A	M12	
1597-A 8 CA	3374395	8	100	295		1.850	400	1199A	M12	
1597-B 8 CA	3374394	8	100	290		1.850	250	1199A	M12	
1598 8 D CA	3374398	8	110	300		2.400	300	1199A	M12	100
1598 8 I CA	3374399	8	110	300		2.400	300	1199A	M12	100
1515 10 CA	3374388	10	120	235		1.740	500	1199A	M12	
1515 12 CA	3374392	12	120	235		2.050	500	1199A	M12	
1515 12 CA AP2 DURATOP	3374392	12	120	235		2.250	450	1199A	M12	100
1515 12 B CA	3374386	12	80	235		1.550	500	1199A	M12	100
1596 10 D CA	3374416	10	349	130	70	2.100	450	1199G	M12	
1596 10 I CA	3374417	10	349	130	70	2.100	450	1199G	M12	
1516 10 D CA	3374418	10	349	130	70	2.035	400	1199G	M12	
1516 10 I CA	3374419	10	349	130	70	2.035	400	1199G	M12	
1516 11 D CA	3374420	11	381	130	70	2.635	370	1199G	M12	
1516 11 D CA AP2 DURATOP	3374420	11	380	130	70	3.000	300	1199G	M12	
1516 11 I CA	3374421	11	381	130	70	2.635	370	1199G	M12	
1516 11 I CA AP2 DURATOP	3374421	11	380	130	70	3.000	300	1199G	M12	
1516B 10 D CA	3374428	10	249	130	70	1.635	400	1199G	M12	100
1516B 10 I CA	3374429	10	249	130	70	1.635	400	1199G	M12	100
1517 CA	3374356	5	256	174		780	300	1199A	M10	

Fits with 2446 tine. See page 184

AP2 DURATOP: High resistance to wear Hardfacing material.

15055 - 15056 - 15057 -15058 C2A



Ref.		A	B	C	Grs.			M	F
15055-C2A HRS	12	80	250	57	1.750	500	1199A	1285A	
15055-C2A-CP HRS DURATOP	15	80	250	57	2.130	300	1199A	1285A	
15057-C2A CENTRAL	8	80	258		1.230	200	1199A	M12	50
15057-A 80 D C2A HRS	8	80	380		1.300	300	1199A	1285A	50
15057-A 80 I C2A HRS	8	80	380		1.300	300	1199A	1285A	50
15058-A 80 D C2A HRS	8	80	235		800	400	1199A	1285A	50
15058-A 80 I C2A HRS	8	80	235		800	400	1199A	1285A	50
15056 C D	10	221		60	2.450	200	HEX	M12	100
15056 C I	10	221		60	2.450	200	HEX	M12	100
15056 C D AP2	10	221		60	2.600	200	HEX	M12	100
15056 C I AP2	10	221		60	2.600	200	HEX	M12	100

15056-C: 465 mm working width 2 wings and tine

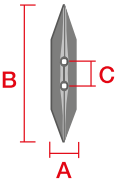
DURATOP: Point with tungsten carbide

AP2 DURATOP: High resistance to wear Hardfacing material.

Fits with 2823 tine. See page 186

HEX: DIN 931 hexagonal screw and DIN 934 nut, ref. 1199H1260A without Bellota markings

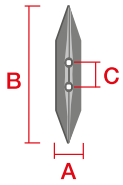
15055 - 15056 - 15057 - 15058



Ref.	±	A	B	C	Grs.			M	F
15055-A 80 HRS	12	80	243		1.500	500	1199A	1285A	
15055-B CP 80 HRS DURATOP	15	80	250		2.000	300	1199A	1285A	
15055-B80-CP-2A-3P DURATOP	20-40	80	275	57	4.030	250	1199A	1285A	
15055-B80-PL-CP-4P DURATOP	30	80	275	57	4.300	250	1199A	1285A	100
15055-B80-CP-2A1-3P DURATOP	20-40	80	275	45-58	4.000	250	1199A	M12	
15055-B 120 HRS	12	120			2.300	300	1199A	1285A	100
15056-A D HRS	10	172,5		60	1.700	300	HEX	M12	
15056-A I HRS	10	172,5		60	1.700	300	HEX	M12	
15056-A D CA1 HRS	10	172,5		60/60	1.700	300	HEX	M12	100
15056-A I CA1 HRS	10	172,5		60/60	1.700	300	HEX	M12	100
15056-B D HRS	10	101		60	1.250	400	HEX	M12	
15056-B I HRS	10	101		60	1.250	400	HEX	M12	
15056-B D CA1 HRS	10	101		60/60	1.250	400	HEX	M12	100
15056-B I CA1 HRS	10	101		60/60	1.250	400	HEX	M12	100
15057-A 80 D HRS	8	80	410	57	1.950	300	1199A	1285A	
15057-A 80 I HRS	8	80	410	57	1.950	300	1199A	1285A	
15057-A 80 CENTRAL	8	80	305		1.385	200	1199A	M12	
15057-B 100 D HRS	8	100	410	57	2.700	300	1199A	1285A	50
15057-B 100 I HRS	8	100	410	57	2.700	300	1199A	1285A	50
15058-A 80 D HRS	8	80	260	57	1.200	400	1199A	1285A	50
15058-A 80 D CA1 HRS	8	80	260		1.200	400	1199A	1285A	50
15058-A 80 I HRS	8	80	260	57	1.200	400	1199A	1285A	50
15058-A 80 I CA1 HRS	8	80	260		1.200	400	1199A	1285A	50

15056-A: 370 mm working width 2 wings and tine
 15056-B: 240 mm working width 2 wings and tine
 HEX: DIN 931 hexagonal screw and DIN 934 nut, ref. 1199H1260A without Bellota markings
 DURATOP: Point with tungsten carbide
 Fits with 2823 tine. See page 186
 15056 A/B CA1: with four holes.
 15058 CA1: 1 mounting hole

15083



15083-80X12

Ref.	Original Ref.	→ ←	A	B	Grs.			M	F
15083-80X12	506064	12	80	280	1.900	400	1199A	M12	100
15083-80X14	506065	14	80	280	2.200	300	199A	M12	100
15083-100X12	506014	12	100	280	2.400	250	1199A	M12	100

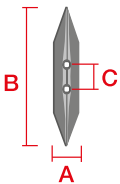
15083-80X14



15083-100X12



1586-1587-1588

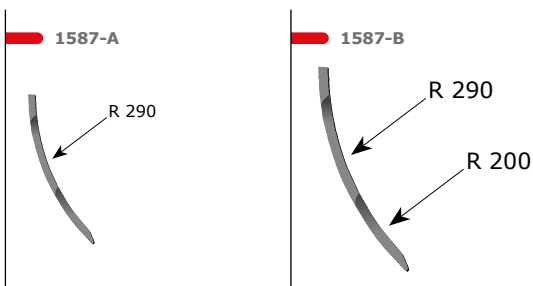


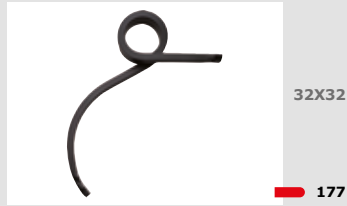
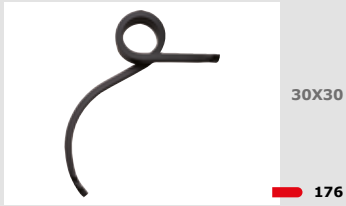
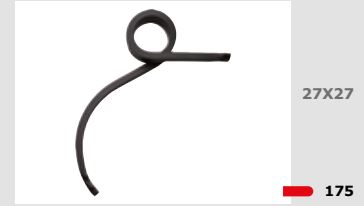
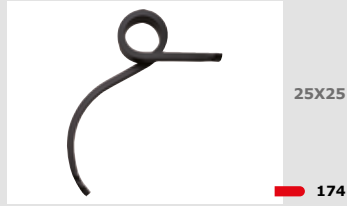
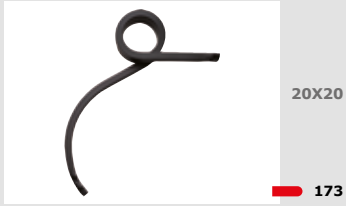
Ref.	±	α	A	B	C	D	Grs.			M	F
1586-A 8 CA	8	21°	480	300	70	128	4.500	70	1199A	M12	100
1586-A 8 CA1	8	21°	480	300	70	128	4.500	70	1199A	M14	100
1586-A 8 CA2	8	21°	480	300	45-75	128	4.500	70	1199A	M14	100
1586-A 8 CA3	8	21°	480	300	45-75	128	4.500	70	1199A	M12	
1586-A 12 CA	12	21°	480	300	70	128	6.900	60	1199A	M12	100
1586-A 12 CA1	12	21°	480	300	70	128	6.900	60	1199A	M14	
1586-A 12 CA2	12	21°	480	300	45-75	128	6.900	60	1199A	M14	100
1586-A 12 CA 2 10"	12	21°	10" (254)	300	45-75	128	4.500	125	1199A	M14	100
1586-A 12 CA3	12	21°	480	300	45-75	128	6.900	60	1199A	M12	
1586-B 8 CA	8	15°	480	300	70	128	4.500	70	1199A	M12	100
1586-B 8 CA3	8	15°	480	300	45-75	128	4.500	70	1199A	M12	100
1586-B 12 CA1	12	15°	480	300	70	128	6.900	60	1199A	M14	100
1587-A 10 CA	10	15°	120	215			1.650	500	1199A	M12	
1587-A 10 CA1	10	15°	120	215			1.650	500	1199A	M14	100
1587-B 10 CA	10	15°	120	215			1.650	500	1199A	M12	100
1587-B 12 CA	12	15°	120	215			1.980	350	1199A	M12	100
1587-B 12 CA1	12	15°	120	215			1.980	350	1199A	M14	
1588 10 CA	10		100	290			2.200	300	1199A	M12	
1588 10 CA1	10		100	290			2.200	300	1199A	M14	

1587-A more aggressive angle of attack than 1587-B

Fits in stubble tine

Ref.	2444-865 A12 CA1 / 2444-865 A12 CA2 / 2444-865 A12 CA5	2444-865 A14 CA1
1586 CA + 1587 CA + 1588 CA	M12x70	
1586 CA1/CA2 + 1577 CA1		M14x70





1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

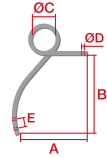
4

DISC HARROW

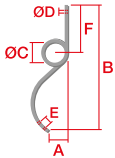
5

PLOUGH

20X20



+
Epoxy paint with UVA protection.



2480

Ref.		A	B	C	D	E	F	G	M	Grs.			F
2480 D	20x20	370	395	92	13	45		63	M10	4.400	200	12480	
2480 I	20x20	370	395	92	13	45		63	M10	4.400	200	12480	
2480-V D	20x20	380	395	92	13	45		160	M10	4.750	150	12480	
2480-V I	20x20	380	395	92	13	45		160	M10	4.750	150	12480	
2480-B D	20x20	132	713	115		45	300	64	M10	5.000	125		
2480-B I	20x20	132	713	115		45	300	64	M10	5.000	125		
2480-TB-D	20X20	71	548	92	6		400	63	M12	3.800	200		50
2480-TB-I	20X20	71	548	92	6		400	63	M12	3.800	200		50

Clamps. See page 180
See possible assemblies on page 179
Models specially designed for vineyard

2480-B



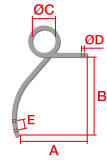
2480-TB



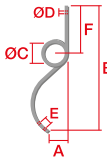
2480V - 2485V



25X25



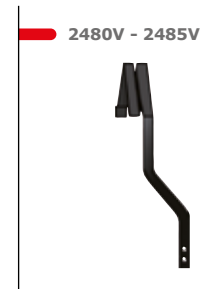
+
Epoxy paint with UVA protection.



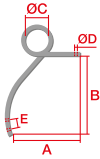
2481 / 2481-B

Ref.		A	B	C	D	E	F	G	M	Gr.			F
2481 D	25x25	425	468	120	15	45		79	M12	8.950	95	12481	
2481 I	25x25	425	468	120	15	45		79	M12	8.950	95	12481	
2481-V D	25x25	445	480	127	15	45		310	M12	9.400	50	12481	
2481-V I	25x25	445	480	127	15	45		310	M12	9.400	50	12481	
2481-B D	25x25	390	468	120	17	60		79	M12	8.950	100	12481	100
2481-B I	25x25	390	468	120	17	60		79	M12	8.950	100	12481	100
2481-H D	25x25	450	395	118	17	33		80	M10	9.000	90	12481	100
2481-H I	25x25	450	395	118	17	33		80	M10	9.000	90	12481	100
2481-FM D	25X25	90	530	130		45/51		95	M12	10.000	100	12481	100
2481-FM I	25X25	90	530	130		45/51		95	M12	10.000	100	12481	100
2499 D C2A	25x25	20	660	90	6	45	325	80	M10	6.800	150		50
2499 I C2A	25x25	20	660	90	6	45	325	80	M10	6.800	150		50
2481-N-D	1" X 1"	118	935	150	10	44,5-57	483	80	M12	9.900	50		50

Clamps. See page 180
See possible assemblies on page 179
2499 D/I C2A fits with 1529-A6 See page 57
Models specially designed for vineyard



27X27



Epoxy paint with UVA protection.



2483

Ref.		A	B	C	D	E	G	M	Grs.		
2483 D	27x27	437	480	127	17	45	85	M12	10.500	80	12483
2483 I	27x27	437	480	127	17	45	85	M12	10.500	80	12483
2483-R22 D	27x27	437	480	127	23	45	85	M12	10.500	80	12483 A22
2483-R22 I	27x27	437	480	127	23	45	85	M12	10.500	80	12483 A22
2483-V D	27x27	445	480	127	17	45	285	M12	11.000	50	12483
2483-V I	27x27	445	480	127	17	45	285	M12	11.000	50	12483

Clamps. See page 180

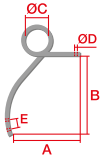
See possible assemblies on page 179

Models specially designed for vineyard

2480V - 2485V



30X30



Epoxy paint with UVA protection.



2484

Ref.		A	B	C	D	E	G	M	Grs.			F
2484 D	30x30	496	498	145	21	45	95	M12	14.200	60	12485	
2484 I	30x30	496	498	145	21	45	95	M12	14.200	60	12485	
2484 D GD	30x30	360	625	360	15	45	95	M12	15.000	60	12485	100
2484 I GD	30x30	360	625	360	15	45	95	M12	15.000	60	12485	100

Clamps. See page 180

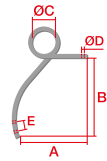
2484 GD: water based painting

See possible assemblies on page 179

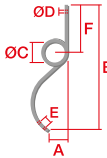
2484 GD



32X32



Epoxy paint with UVA protection.



2485

Ref.		A	B	C	D	E	F	G	M	Grs.			F
2485 D	32x32	438	508	155	23	45		101	M12	17.000	50	12485	
2485 I	32x32	438	508	155	23	45		101	M12	17.000	50	12485	
2485-N-D	32X32	125	925	150	10	44,5-57	483	102	M12	12.000	40		50
2485-N-I	32X32	125	925	150	10	44,5-57	483	102	M12	12.000	40		50
2485-V D	32x32	438	508	155	23	45		335	M12	18.000	30	12485	
2485-V I	32x32	438	508	155	23	45		335	M12	18.000	30	12485	

Clamps. See page 180

See possible assemblies on page 179

Models specially designed for vineyard

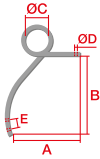
2485-N



2480V - 2485V



35X35



Epoxy paint with UVA protection.



2486-GD

Ref.		A	B	C	D	E	G	M	Grs.			F
2486 D GD	35x35	400	583	145	23	45/70	110	M12	22.000	40	12486	
2486 I GD	35x35	400	583	145	23	45/70	110	M12	22.000	40	12486	
2486 CD GD	35x35	410	600	145	17	50/75	110	M12	22.000	40	12486	100
2486 CI GD	35x35	410	600	145	17	50/75	110	M12	22.000	40	12486	100

Clamps. See page 180

2486 C GD: water based painting

See possible assemblies on page 179

Double Coil Tine

	20x20	25x25	27x27	30x30	32x32	35x35
Ref.	2480 / 2480-B	2481	2483	2484	2485	2486
1500+1501		M12x60	M12x60	M12x70	M12x70	M12x70
1501		M12x50	M12x50	M12x60	M12x60	M12x60
1506+1501		M12x60	M12x60	M12x70	M12x70	M12x70
1507+1501		M12x60	M12x60	M12x70	M12x70	M12x70
1511		M10x50	M10x50			
1512-A CN/ C2N		M12x50	M12x50	M12x50	M12x50	M12x50
1513 0/A		M11x50	M11x50			
1535-0/A CA1		M11x50*				
1513 B			M12x50	M12x60	M12x60	M12x60
1513 A CN / C2N		M12x50	M12x50	M12x60	M12x60	M12x60
1535-B CN CA1 / C2A / C3A		M12x50	M12x50	M12x50	M12x60	M12x60
1535-0/A/F/G CA2		M11x50	M11x50			
1535-B / CA3 / CA2		M12x50	M12x50	M12x50	M12x60	M12x60
1535-C			M12x50	M12x50	M12x60	M12x60
1537-B			M12x50	M12x50	M12x60	M12x60
1537 CN				M12x50	M12x60	M12x60
1538	M10x40					
1547 C2A	M10x40					
1550-A	M10x40					
1553 C2A	M10x40					
1561		M11x50	M11x50			
1571-B CA						M12x60
1571-B C3A / C				M12x60	M12x60	M12x60
1576			M12x50	M12x60	M12x60	M12x60
1578			M12x50	M12x50	M12x60	M12x60
1579		M12x50	M12x50	M12x60	M12x60	M12x60
1593			M11x50	M11x50	M11x60	M11x60
15005					M12x60	
15106 AP CP				M12x70	M12x70	M12x70
15055 B 80 CP 2A1 3P					M12x70	M12x80

* 2481H

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

DISC HARROW

5



PLOUGH

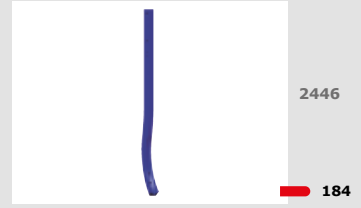


12480 - 12486

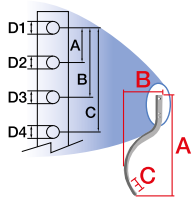


12480-12486

Ref.			Chasis		Grs.	M	F
12480-5050	60x10	20x20	50x50	24	740	M12	
12480-6060	60x10	20x20	60x60	24	840	M12	
12480-8080	60x10	20x20	80x80	24	1.020	M12	
12480-8080A	60x10	20x20	80x80	24	1.020	M14	100
12481-6060	80X14	25X25	60X60	12	1.695	M16	
12481-8080	80X14	25X25	80X80	12	2.045	M16	
12483-6060	80X14	27X27	60X60	12	1.070	M16	
12483-8080	80X14	27X27	80X80	12	2.055	M16	
12483-10060	80X14	27X27	100X60	12	2.055	M16	
12483-100100	80X14	27X27	100X100	12	2.405	M16	
12485-8080	90x15	32x32	80x80	12	2.310	M22	
12485-10060	90x15	32x32	100x60	12	2.310	M22	100
12485-100100	90x15	32x32	100x100	12	2.705	M22	
12486-100100	100x15	35x35	100x100	12	3.262	M22	



2441



Integral heat treatment



2441

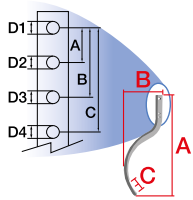
Ref.		A	B	C	M	Grs.		F
2441-CA2	60x25	812	83	45/80	M12	9.100	100	50

Fits with 1509 See page 162 / 1510 See page 163

Hole pattern to fix the frame

Ref.	No. Holes	A	B	C	D	E	D1	D2	D3	D4	D5
2441-CA2	5	65	115	165	215	265	20,3	20,3	20,3	20,3	20,3



2447



Integral heat
treatment

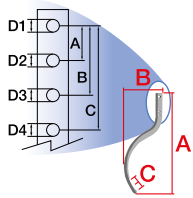
2447



Ref.		A	B	C	M	Grs.		F
2447	45x15	467	45	45	M10	2.650	350	100

Use screw kit 1199Kit2447 to assemble with 15052. See page 142

2446



+
Integral heat treatment

2446-A12



Ref.	Original Ref.		A	B	C	M	Grs.	
2446 A12 CA	4653680	70x22	875	90	45	M12	9.800	100

Fits with Lemkem Smarag. See page 167

Hole pattern to fix the frame

Ref.	No. Holes	A	B	C	D	D1	D2	D3	D4
2446 A12 CA	4	25	155	205	220	24,3	20,3	12,3	12,3

1
PLANTERS AND SEED DRILL

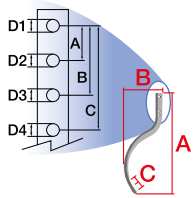
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

2444



Integral heat treatment



2444

Ref.		A	B	C	M	Grs.		F
2444-865 A12 CA1	60x25	841	140	70	M12	9.800	100	50
2444-865 A12 CA2	60x25	841	140	70	M12	9.800	100	50
2444-865 A14 CA1	60x25	841	140	70	M14	9.800	100	50
2444-865 A14 CA2	60x25	841	140	70	M14	9.800	100	50
2444-865 A14 CA3	60x25	841	140	70	M14	9.800	100	50

2444 A12 fits with 1586-A 8 CA / 1587-A 10 CA / 1588 10 CA. See page 171

2444 A14 fits with 1586-A 8 CA1 / 1587-A 10 CA1 / 1588 10 CA1 . See page 171

Hole pattern to fix the frame

Ref.	No. Holes	A	B	C	D1	D2	D3
2444-865 A12 CA1	3	30	150	180	20,5	20,5	14,5
2444-865 A12 CA2	2	175	-	-	20,5	12,3	-
2444-865 A14 CA1	3	30	150	180	20,5	20,5	14,5
2444-865 A14 CA2	2	30	205	-	20,5	12,3	-
2444-865 A14 CA3	2	30	205	-	20,5	14,5	-



2823



Integral heat
treatment



2823

Ref.		A	B	C	M	Grs.		F
2823-A	50x25	469	445	57-57	M12	7.700	100	100
2823-B	60x25	622	483	57-57	M12	11.100	70	100
2823-C	60x25	720	500	57-57	M12	12.200	65	

Fits with 15055 - 15056 - 15057 - 15058 on page 168 and 169



2461-2467

188



2467V

189



2811

190

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

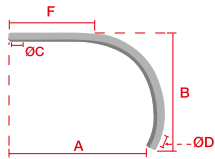
4

DISC HARROW

5

PLOUGH

2461-2467



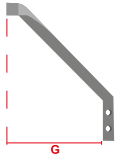
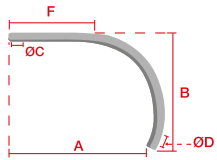
2461 - 2467

Ref.		A	B	C	D	F	M	Grs.		F
2466	25x25	393	370	17,5	45	217	M12	3.500	200	
2466-E	25x25	361	315	15	45	135	M12	2.700	300	100
2466-E TL	25x25	361	315	14,5	45	135	M12	2.700	200	100
2467	30x30	470	397	17	45	275	M12	5.500	125	
2467-35	35x35	470	402	17	45	275	M12	7.500	125	
2467-35 TL	35x35	495	450	16,5	45	244	M12	8.000	125	
2467-35-A-L	35x35	452	522	20	45	215	M12	8.800	100	100
2461-C	40x30	495	368	18,5	40-50	296	M12	6.900	90	
2461-CL	40x30	470	492	26	45	215	M12	9.620	70	
2464-A	40x40	470	500	26	45	245	M12	11.000	50	
2464-AL	40x40	525	575	26	45	230	M12	12.700	30	
2464-AL CA1	40x40	525	575	26	57-57	230	M12	12.700	30	100
2461-B	45x20	500	355	17	40-50	296	M12	5.200	100	
2461-D	45x20	415	450	17	40-50	280	M12	6.200	100	100
2462-A	50x25	450	582	21,5	40-50	280	M12	10.300	45	
2462-B	50x30	455	587	21,5	40-50	280	M12	12.500	40	
2462-B-A16	50x30	545	660	17	56	330	M12	14.150	35	100
2462-B A24 CA2	50x30	455	587	26	45-57	280	M12	12.500	40	100
2462-C	50x30	560	480	20	57	330	M14	11.700	80	100

2464-AL CA1: With three holes to mount with 15055 C2A

TL: with lateral hole

2467V

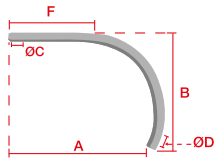


2467-V

Ref.		A	B	C	D	E	F	G	M	Grs.		F
2467-V D	30X30	470	395	17	45	M12	305	200	M12	5.800	90	
2467-V I	30X30	470	395	17	45	M12	305	200	M12	5.800	90	
2467-35 V D TL	35x35	495	450	16,5	45	M12	244	200	M12	9.100	80	100
2467-35 V I TL	35x35	495	450	16,5	45	M12	244	200	M12	9.100	80	100

V: Models specially designed for vineyard
 2467-35 V TL: with lateral hole

2811

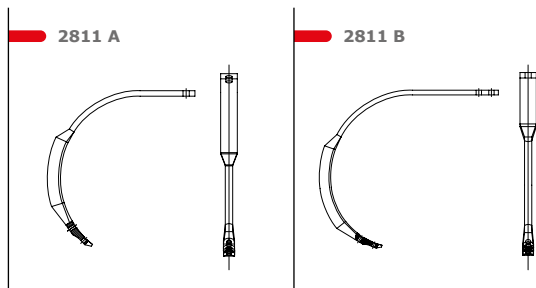


2811

Ref.		A	B	C	D	E	F	M	Grs.		F
2811-A	45X15	254	408	17	45	M10		M10	3.800	120	100
2811-B	45X15	369	490	17	45	M10	272	M10	5.300	120	100

2811-A installed with an inclination of 20°

2811-B: 2 mounting screw holes. 40 mm distance between holes of 17 diameter



Chisel Tine

	45x20	40x30	40x30	45x20	50x25	50x30	40x40	25x25	30x30
Ref.	2461-B	2461-C	2461-CL	2461-D	2462-A	2462-B	2464-A / AL	2466	2467
1500+1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x60	M12x60
1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x50	M12x50
1506+1501	M12x60	M12x60	M12x60	M12x60				M12x60	M12x60
1507+1501	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70	M12x60	M12x60
1512 A CN / C2N	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x50	M12x50
1513-0/0 CA1	M11x50	M11x50	M11x50	M11x50				M11x50	M11x50
1513-A/A CA1	M11x50	M11x50	M11x50	M11x50	M11x50	M11x60	M11x60	M11x50	M11x50
1513-B	M12x60	M12x60	M12x60	M12x60	M12x60	M12x60	M12x70		
1513 A CN / C2N	M12x50	M12x50	M12x50	M12x50	M12x60	M12x60	M12x70	M12x50	M12x50
1535-B CN CA1/C2A					M12x60	M12x60	M12x70		
1535-0/A/F/G CA2	M11x50	M11x50	M11x50	M11x50				M11x50	M11x50
1535-B / C3A / CA2					M12x60	M12x60	M12x70		
1535-C					M12x60	M12x60	M12x70		
1537 / 1537 CN					M12x60	M12x60	M12x60		M12x50
1571-B CA3/C					M12x60	M12x60	M12x70		M12x60
1577-CA3					M12x60	M12x60	M12x70		
1578					M12x60	M12x60	M12x60		
1593									M11x50
15005							M12x60		
15027 B/C CA1	M11x40								
15028 B/C CA1	M11x40								
15106 AP CP					M12x70	M12x70	M12x80		M12x60
15055 B 80 CP 2A1 3P							M12x80		

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

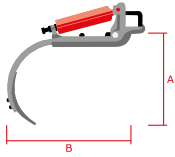
DISC HARROW

5

PLOUGH

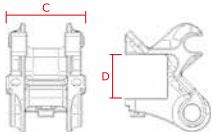


80X80

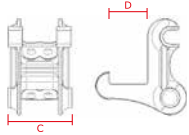


Minimal maintenance: protective nylon sleeves to avoid the need to oil.

Easy



Original-V



12466

Ref.	Max.Chasis	Max depth	C.V.	Measures with tine	A	B	C	Grs.	Spring		F
12466	80x80	35cm	8-12	2467	575	535	183	34.900	2424-E	10	
12466-2426F	80X80	35cm	8-12	2467	575	535	183	35.000	2426-F	10	
12466-B	80X80	35cm	8-12	2467	575	535	172	34.500	2424-E	10	
12466-B 2426F	80x80	35cm	8-12	2468	575	535	172	35.500	2426-F	10	30
12466-B VAB	80x80	35 cm	8-12	2467	575	535	172	34.500	2424-E	10	
12466-V	80X80	30cm	8-12	2467	575	535	125	31.100	2424-E	10	
12466-VAF	80x80	30 cm	8-12	2467	575	535	125	32.900	2424-E	10	

12466-B VAB and 12466-VAF: with 12466-V-AB clamp for more security and strength.
12466-V and 12466-VAF: Models specially designed for vineyard

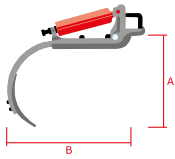
12466-B



12466-V-AF

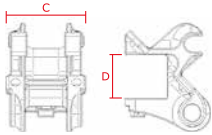


100X100

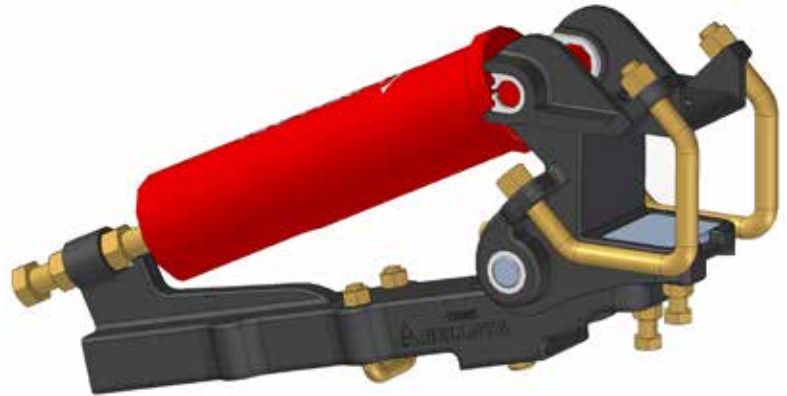
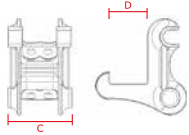


Minimal maintenance: protective nylon sleeves to avoid the need to oil.


Easy



Original-V

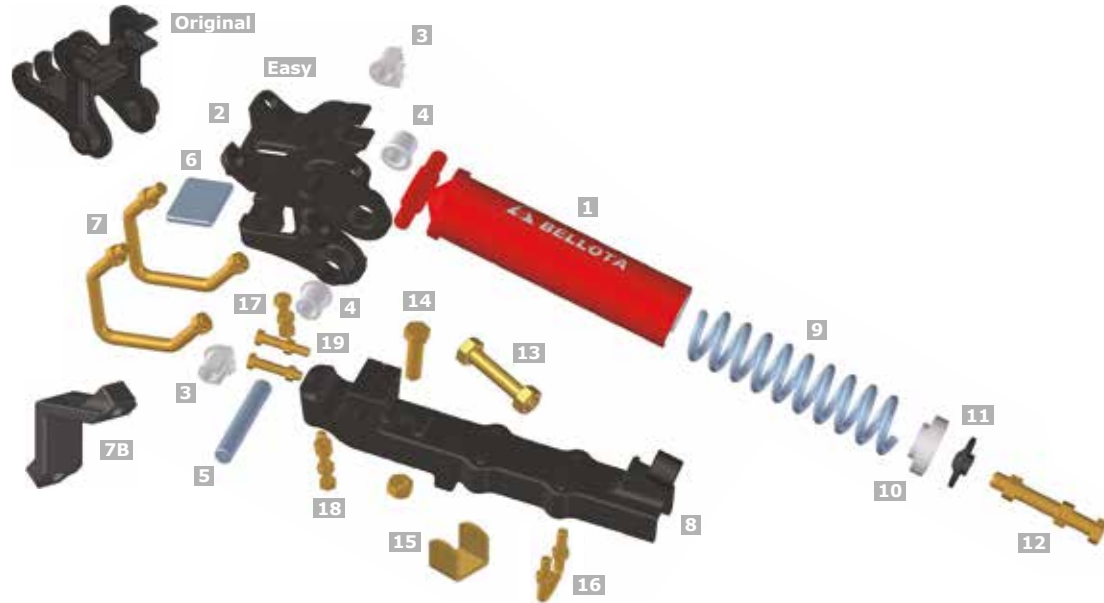


12465

Ref.	Max.Chasis	Max depth	C.V.	Measures with tine	A	B	C	Grs.	Spring		F
12465	100x100	45cm	10-15	2464-A PI	680	590	190	45.000	2428-A	10	
12465 BIMUELLE	100X100	45cm	10-15	2464-A PI	680	590	190	47.000	2428-A+2419-A	10	
12465-B	100x100	45cm	10-15	2461-EL	675	595	172	41.000	2428-A	10	
12465-B BIMUELLE	100X100	45cm	10-15	2464-A PI	680	590	172	43.000	2428-A+2419-A	10	
12466-100	100X100	35cm	8-12	2467	575	535	183	36.200	2424-E	10	30
12466-100-2426F	100x100	35cm	8-12	2467	575	535	183	37.200	2426-F	10	30

12465-B

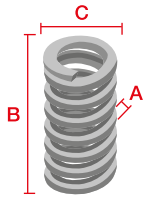




Description	12465	12465-B	12466-100	12466	124662426F	12466-B	12466B2426F	12466-V
	100x100	100x100	100x100	80x80	80x80	80x80	80x80	80x80
1 Tube	12465-T 12465-AM	12465-T 12465-AM	12466-T 12466-100-AM	12466-T 12466-AM	12465-T 12466-AM	12466-T 12466B-AM	12466-T 12466B-AM	12466-V-T 12466-V-AM
2 Chasis support								
3 Tube socket	12465-CT	12465-CT	12465-CT	12465-CT	12465-CT	12465-CT	12465-CT	12466-V-CT
4 Tine socket	12465-CB	12465-CB	12465-CB	12465-CB	12465-CB	12465-CB	12465-CB	12466-V-CB
5 Pin	12465-BG	12465-BG	12465-BG	12465-BG	12465-BG	12465-BG	12465-BG	12466-V-BG
6 Knock plate	12465-K	-	-	12466-K	12466-K	-	-	-
7 Clamp + 2 nuts DIN 985	12465-AB (2)	12465B-AB (2)	12465-AB (2)	12466-AB (2)	12466-AB (2)	12466B-AB (1)	12466B-AB (1)	12466B-AB (1)
7B Clamp + 2 bolts M20x100 DIN 931 + 2 nuts DIN 985	-	-	-	-	-	12466-V-AB •	-	12466-V-AB •
8 Tine support								
9 Spring	2428-A	2428-A	2424-E	2424-E	2426-F	2424-E	2426-F	2424-E
10 Spring drive bus	12465-CM	12465-CM	12466-CM	12466-CM	12465-CM	12466-CM	12465-CM	12466-CM
11 Spring drive plate	12465-CZ	12465-CZ	12465-CZ	12465-CZ	12465-CZ	12465-CZ	12465-CZ	12465-CZ
12 Spring bolt M24x180 DIN 933 + 2 nuts DIN 934	12465-TM	12465-TM	12466-TM	12466-TM	12466-TM	12466-TM	12466-TM	12466-TM
13 1 support bolt M10x60 DIN 931 + 1 nut DIN 934	12465-TCH	12465-TCH	12465-TCH	12465-TCH	12465-TCH	12465-TCH	12465-TCH	12465-TCH
14 Tine bolt DIN 931 + 1 nut DIN 985	12465-TB (M24x80)	12465-TB (M24x80)	12466-TB (M16x60)	12466-TB (M16x60)	12466-TB (M16x60)	12466-TB (M16x60)	12466-TB (M16x60)	12466-TB (M16x60)
15 Couplings	12465-ACB 45x30 40x40 40x30	12465-ACB 45x30 40x40 40x30	12466-ACB 40x30 35x35 30x30 25x25	12466-ACB 40x30 35x35 30x30 25x25	12466-ACB 40x30 35x35 30x30 25x25	12466-ACB 40x30 35x35 30x30 25x25	12466-ACB 40x30 35x35 30x30 25x25	12466-V-ACB 40x30 35x35 30x30 25x25
16 Clamp + 2 nuts DIN 985	12465-ABB	12465-ABB	12466-ABB	12466-ABB	12466-ABB	12466-ABB	12466-ABB	12466-ABB
17 Screw M16x60 DIN 933 + 2 nuts DIN 934	12465-TA	-	-	12465-TA	12465-TA	-	-	-
18 Screw M16x90 DIN 933 + 1 nut M16 DIN 934 + M16 DIN 6330	12465-TG	12465-TG	12465-TG	12465-TG	12465-TG	12465-TG	12465-TG	12465-TG
19 Screw M14x70 DIN 933 + 1 nut DIN 6330	12465-TS	12465-TS	12466-TS	12466-TS	12466-TS	12466-TS	12466-TS	12466-TS

• Optional for added security and high strength

REAMING WITHOUT GRINDING



We can supply compression and torsion springs with 1 mm to 55 mm threads.

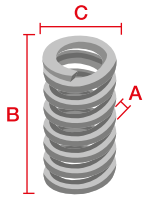


2420

Ref.	A	B	C	Number of spirals	Grs.	Kg/mm	Block length	Maximum load Kgs	Maximum compression		F
2419 A	11	350	48	23,5	1.970	13,14	253	1130	86	400	
2420 A	12	376	57	22,5	2.750	10,84	264	1206	111	310	
2422 B	14	280	81	12	2.890	12,16	161	1287	106	150	50
2422 A	14	300	75	13	3.000	14,72	175	1413	96	225	50
2424 H	16	215	122	6	3.100	12,23	88	1214	99	100	50
2424 G	16	350	65	17,5	4.130	34,82	272	2626	75	310	50
2424 D	16	350	97	13	5.150	10,72	200	1589	148	110	50
2426 A	18	200	96	7,75	3.510	35,39	130,5	2349	66	115	50
2426 B	18	250	101	9,25	4.440	23,69	157,5	2207	93	85	50
2426 C	18	300	101	11	5.270	19,33	189	2207	111	100	
2426 D	18	300	120	9	5.370	13,19	153	1796	136	70	
2428 E	20	300	104	7,5	4.500	44,99	140	2992	67	200	50
2430 A	22	376	105	12,5	9.000	37,24	264	4030	108	80	

More springs available on request.


REAMING AND GRINDING



We can supply compression and torsion springs with 1 mm to 55 mm threads.

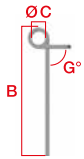


2420

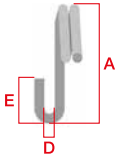
Ref.	A	B	C	Number of spirals	Grs.	Kg/mm	Block length	Maximum load Kgs	Maximum compression		F
2424 A	16	220	80	10,5	3.100	27,78	160	2011	60	135	50
2424 E	16	300	90	11	4.035	17,02	168	1739	102	140	
2426 I	18	182	75	8	2.700	87,21	135	3214	37	150	50
2426 F	18	300	90	12	5.100	26,79	207	2545	93	140	50
2428 A	20	350	90	13,25	6.510	39,70	255	3590	90	125	
2428 B	20	350	100	12	7.235	29,76	230	3142	106	100	50
2428 C	20	350	110	12	7.880	20,90	230	2793	120	80	50

More springs available on request.

FOLLOWING TINES



Tailor-made design according to customer's requirements.



2490

Ref.	A	B	C	D	Grs.		Ø	α	Chasis	M		F
2490	230	530	95	14	1.200		12	90°			500	
2850	195	440	66	19	960		12	105°			500	500
2853	195	403	66	19	980		12	120 ^a			500	500
2852	187	584	61	14	1.850		12	90°			400	500
2855AR					30	100	10		40x40			200
2855AB					140	100	9		40x40	M1		200
2850AB					150	150	9		50x50		6.750	500

2850



2853



2852



2855AR



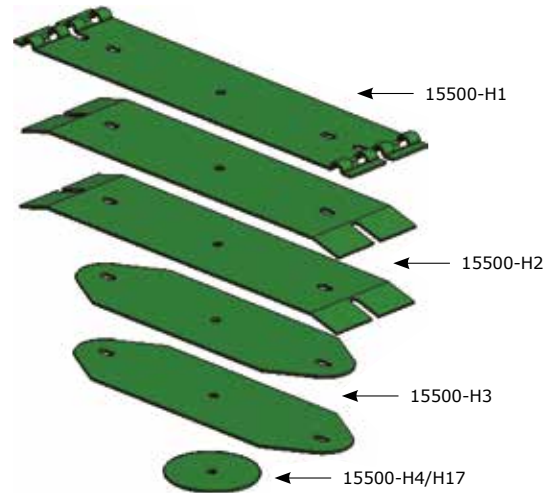
2850-AB



LEAF SPRING KVERNELAND 15500



Epoxy paint with UVA protection.



15500

Ref.	Original Ref.		A	B	Quantity	Grs.		F
15500 CLC5	KK301050	4	545	140		11.000	40	
15500 CLC6B	KK089680	4	545	140		13.400	30	50
15500-H1	KK303134	4	535	140	1	2.500	250	
15500-H17	KK057093	4	120			700	1.000	
15500-H2	KK303172	4	545	140	2	2.400	250	
15500-H3	KK057066	4	450	140	2	1.700	500	
15500-H4	KK057067	4	120		1	350	1.000	
12500 PC						373	500	
12500 PR						306	500	

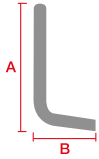
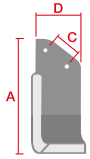
Plough leaf springs. See page 261

Initial recommended distance for mounting leaf spring (when flexed): 50,5 cm. (Distance between the wheelbase)

Sheets breakdown

Ref.	15500-H1	15500-H2	15500-H3	15500-H17	15500-H4	15500-T1	15500-T2
15500-CLC5	1	2	2		1	1	2
15500-CLC5B	1	2	2	1	1	1	2
15500-CLC6B	1	2	3	1	1	1	2

1458



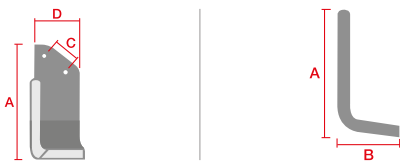
1458-B

Ref.		A	B	Ø	Grs.		
1458-B	6	225	72	29	640	12	1.320
1458-C	6	234	72	29	700	12	1.512

1458-C

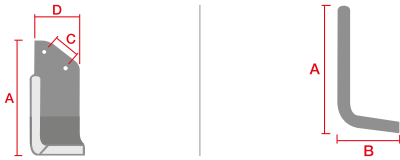


UNIVERSAL



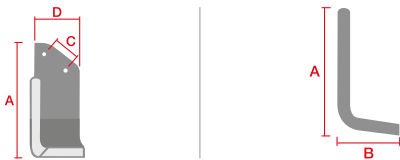
Ref.	← →	Original Ref.		A	B	C	D	∅	Grs.			Machine	F
1470 D	7	2 D	80x7	180	138	57	80	13,25	1.130	12	924	Agrator-Agric-Howard	
1470 I	7	2 I	80x7	180	138	57	80	13,25	1.130	12	924	Agrator-Agric-Howard	
1471 D	6	207 M D	75x6	175	135	57	76	11,75	870	12	924	Agrator-Agric(500)	
1471 I	6	207 M I	75x6	175	135	57	76	11,75	870	12	924	Agrator-Agric(500)	
1472 D	6	64 A D	70x6	200	110	60/35,5	70	10,5	830	12	924	Agria	480
1472 I	6	64 A I	70x6	200	110	60/35,5	70	10,5	830	12	924	Agria	480
1473 D	7	107 D	80x7	200	140	57	80	13,25	1.130	12	924	Enguix	
1473 I	7	107 I	80x7	200	140	57	80	13,25	1.130	12	924	Enguix	
1474 D	5	178 C D	40x5	210	70	70	40	8,5	340	24	1.848	Condor-Ovac-Solo	
1474 I	5	178 C I	40x5	210	70	70	40	8,5	340	24	1.848	Condor-Ovac-Solo	
1475 D	5	178 PA D	40x5	218	77	70	40	8,5	350	24	1.848	Agria-Lander	
1475 I	5	178 PA I	40x5	218	77	70	40	8,5	350	24	1.848	Agria-Lander	
1476 D	6	198 D	60x6	195	102	42	60	12,5	590	24	1.848	Agria-Pasquali	
1476 I	6	198 I	60x6	195	102	42	60	12,5	590	24	1.848	Agria-Pasquali	
1477 D	6	198 E D	60x6	180	92	42	60	12,5	505	24	1.440	Agria-Howard-Lander	
1477 I	6	198 E I	60x6	180	92	42	60	12,5	505	24	1.440	Agria-Howard-Lander	
1479 D	6	234 D	55x6	280	116	100	55	12,5	870	12	924	Goldoni-Lander	
1479 I	6	234 I	55x6	280	116	100	55	12,5	870	12	924	Goldoni-Lander	
1490 D	6		40x6	220	87	70	40	11x15	475	24	1.848	Universal	480
1490 I	6		40x6	220	87	70	40	11x15	475	24	1.848	Universal	480

HOWARD



Ref.	— —		Original Ref.	A	B	C	D	Ø	Gr.			Machine	F
1480 D	6	75x6	9901/9924	175	135	57	75	11,5	850	12	924	Howard	480
1480 I	6	75x6	9900/9923	175	135	57	75	11,5	850	12	924	Howard	480
1481 D	7	80x7	3901/63593	180	132	57	80	13,4	1.020	12	924	Howard	
1481 I	7	80x7	3900/63592	180	132	57	80	13,4	1.020	12	924	Howard	
1482 D	8	105x8	6785/2720	200	145	75	105	16,4	1.475	10	770	Howard	480
1482 I	8	105x8	6784/2719	200	145	75	105	16,4	1.475	10	770	Howard	480
1484 D	9	80x9	9863/9920	180	135	51	80	16,5	1.230	12	924	Howard	
1484 I	9	80x9	9862/9919	180	135	51	80	16,5	1.230	12	924	Howard	
1485 D	7	80x7	9949/9931	210	130	57	80	13,4	1.035	12	924	Howard	480
1485 I	7	80x7	9948/9930	210	130	57	80	13,4	1.035	12	924	Howard	480
1486 D	6	75x6	9954	175	140	57	75	11,5	820	12	924	Howard	480
1486 I	6	75x6	9954	175	140	57	75	11,5	820	12	924	Howard	480

MASCHIO GASPARDO



Ref.	→←		Original Ref.	A	B	C	D	∅	Grs.			Machine	F
1487 D	8	80x8	1110428	220	137	56	80	14,5	1.360	10	770	Maschio	
1487 I	8	80x8	1110429	220	137	56	80	14,5	1.360	10	770	Maschio	
1491 D	8	80X7	110426	208	80	56	80	14,5	1.290	10	770	Maschio	480
1491 I	8	80X7	110427	208	80	56	80	14,5	1.290	10	770	Maschio	480
1494 D	10	80x10	R17820860	237	145	56	80	14,5	1.680	12	924	Maschio	360
1494 I	10	80x10	R17820870	237	145	56	80	14,5	1.680	12	924	Maschio	360

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

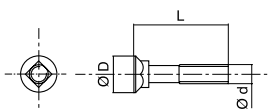
4

DISC HARROW

5

PLOUGH

1199A COUNTERSUNK HEAD WITH SQUARE NECK



All bolts are supplied with nuts.

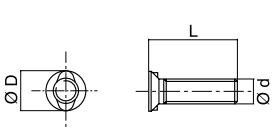


1199-A

Ref.	Dimension standard	Quality	Quality nut	ø D	ø D2	L			F
1199A-1035	DIN 608	8.8	.8 (DIN934)	M10	17,5	35	100	800	
1199A-1035B	DIN 608	12.9	.10 (DIN934)	M10	17,5	35	100	800	800
1199A-1040	DIN 608	8.8	.8 (DIN934)	M10	17,5	40	100	800	
1199A-1050	DIN 608	8.8	.8 (DIN934)	M10	17,5	50	100	800	
1199A-1060	DIN 608	8.8	.8 (DIN934)	M10	17,5	60	100	800	
1199A-1140	DIN 608	8.8	.8 (DIN934)	M11	21	40	100	800	800
1199A-1150	DIN 608	8.8	.8 (DIN934)	M11	21	50	100	800	
1199A-1160	DIN 608	8.8	.8 (DIN934)	M11	21	60	50	400	
1199A-1235	DIN 608	8.8	.8 (DIN934)	M12	24	35	100	800	
1199A-1235B	DIN 608	12.9	.10 (DIN934)	M12	24	35	100	800	800
1199A-1238	Special Drawing	8.8	.8 (DIN934)	M12	24	38	100	800	400
1199A-1240	DIN 608	8.8	.8 (DIN934)	M12	24	40	50	400	
1199A-1240A	DIN 608	10.9	.10 (DIN934)	M12	24	40	50	400	400
1199A-1248A	DIN 608	10.9	.10 (DIN934)	M12	24	48	50	400	400
1199A-1250	DIN 608	8.8	.8 (DIN934)	M12	24	50	50	400	
1199A-1250B	DIN 608	12.9	.10 (DIN934)	M12	24	50	50	400	400
1199A-1260	DIN 608	8.8	.8 (DIN934)	M12	24	60	50	400	
1199A-1260A	DIN 608	10.9	.10 (DIN934)	M12	24	60	50	400	400
1199A-1270	DIN 608	8.8	.8 (DIN934)	M12	24	70	50	400	
1199A-1270A	DIN 608	10.9	.10 (DIN934)	M12	24	70	50	400	400
1199A-1280	DIN 608	8.8	.8 (DIN934)	M12	24	80	50	400	
1199A-1280A	DIN 608	10.9	.10 (DIN934)	M12	24	80	50	400	400
1199A-1285A	DIN 608	10.9	.10 (DIN934)	M12	24	85	50	400	
1199A-1285B	DIN 608	12.9	.10 (DIN934)	M12	24	85	50	400	400
1199A-1290	DIN 608	8.8	.8 (DIN934)	M12	24	90	50	400	
1199A-1290B	DIN 608	12.9	.10 (DIN934)	M12	24	90	50	400	
1199A-1440	DIN 608	8.8	.8 (DIN934)	M14	28	40	50	400	400
1199A-1450	DIN 608	8.8	.8 (DIN934)	M14	28	50	50	400	400
1199A-1480	DIN 608	8.8	.8 (DIN934)	M14	28	80	25	200	200
1199A-1650	DIN 608	8.8	.8 (DINj934)	M16	29	50	25	200	200
KIT2546C2A	DIN 608 / DIN 9021	8.8	.8 (DIN934)	M12	24	70	25	200	

KIT2546C2A consisting of a bolt, a self-locking nut with a DIN 6927 flange and a support washer for the DIN9021 nut (Ø 13 x Ø 37 x 3)

1199B COUNTERSUNK HEAD WITH TWO NIBS



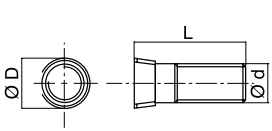
All bolts are supplied with nuts.



1199-B

Ref.	Dimension standard	Quality	Quality nut	ø D	ø D2	L			F
1199B-1035	NF (E 27-355)	8.8	.8 (DIN934)	M10	16	35	100	800	
1199B-1040	NF (E 27-355)	8.8	.8 (DIN934)	M10	16	40	100	800	800
1199B-1050	NF (E 27-355)	8.8	.8 (DIN934)	M10	16	50	100	800	800
1199B-1230	NF (E 27-355)	8.8	.8 (DIN 934)	M12	20	30	100	800	400
1199B-1235	NF (E 27-355)	8.8	.8 (DIN934)	M12	20	35	100	800	
1199B-1240	NF (E 27-355)	8.8	.8 (DIN 934)	M12	20	40	50	400	
1199B-1240B	NF (E 27-355)	12.9	.10 (DIN934)	M12	20	40	50	400	400
1199B-1245	NF (E 27-355)	8.8	.8 (DIN 934)	M12	20	45	50	400	400
1199B-1435	NF (E 27-355)	8.8	.8 (DIN 934)	M14	24	35	50	400	400
1199B-1440	NF (E 27-355)	8.8	.8 (DIN 934)	M14	24	40	50	400	400
1199B-1440AESP		10.9	.10 (DIN934)	M14	22	40	50	400	400
1199B-1655	NF (E 27-355)	8.8	.8 (DIN 934)	M16	28	55	25	200	200

1199C CONICAL HEAD WITH ONE FLAT



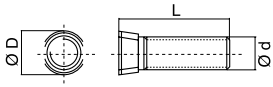
All bolts are supplied with nuts.



1199-C

Ref.	Dimension standard	Quality	Quality nut	ø D	ø D2	L			F
1199C-1433	KN 48.03	12.9	.10 (DIN934)	M14	18	33	50	400	400
1199C-1437	KN 48.03	12.9	.10 (DIN934)	M14	18	37	50	400	
1199C-1442	KN 48.03	12.9	.10 (DIN934)	M14	18	42	50	400	400
1199C-1640	KN.48.03	12.9	.10 (DIN934)	M16	21	40	25	200	200
1199C-1650	KN 48.03	12.9	.10 (DIN934)	M16	21	50	25	200	
1199C-1670	KN 48.03	12.9	.10 (DIN934)	M16	21	70	25	200	200
1199C-1685	Din 934	12,9	.10 (DIN934)	M16	21	85	25	200	200

1199D CONICAL HEAD WITH TWO FLATS



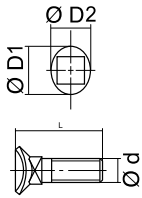
All bolts are supplied with nuts.



1199D

Ref.	Dimension standard	Quality	Quality nut	ø D	ø D2	L			F
1199D-1233	KN 48.03	12.9	.10 (DIN934)	M12	16	33	100	800	
1199D-1237	KN 48.03	12.9	.10 (DIN934)	M12	16	37	100	800	
1199D-1242	KN 48.03	12.9	.10 (DIN934)	M12	16	42	100	800	
1199D-1250	KN 48.03	12.9	.10 (DIN934)	M12	16	50	100	800	
1199D-1255	KN 48.03	12.9	.10 (DIN934)	M12	16	55	50	400	400
1199D-1434	KN 48.03	12.9	.10 (DIN934)	M14	18	34	50	400	
1199D-1445	KN 48.03	12.9	.10 (DIN934)	M14	18	45	50	400	
1199E-1238	KN 48.03	12.9	.8 (DIN934)	M1/2"	17,5	38	100	800	400

11990 CONICAL HEAD WITH SQUARE NECK



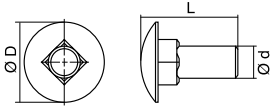
All bolts are supplied with nuts.



1199-0

Ref.	Dimension standard	Quality	Quality nut	ø D	ø D2	ø D3	L			F
11990-1040	ISO 5713	8.8	.8 (DIN934)	M10	18	15,5	40	100	800	
11990-1040TS	ISO 5713	8.8	.8 (DIN985)	M10	18	15,5	40	100	800	800
11990-1045	ISO 5713	8.8	.8 (DIN934)	M10	18	15,5	45	100	800	
11990-1045TS	ISO 5713	8.8	.8 (DIN985)	M10	18	15,5	45	100	800	800
11990-1045TCB	ISO 5713	8.8	.10 (DIN6927)	M10	18	15,5	45	100	800	800
11990-1050	ISO 5713	8.8	.8 (DIN934)	M10	18	15,5	50	100	800	
11990-1055A	ISO 5713	10.9	.10 (DIN934)	M10	18	15,5	55	100	800	800
11990-1060	ISO 5713	8.8	.8 (DIN934)	M10	18	15,5	60	100	800	
11990-1060TCB	ISO 5713	8.8	.10 (DIN6927)	M10	18	15,5	60	100	800	
11990-1245TCB	ISO 5713	8.8	.10 (DIN6927)	M12	22	19,5	45	50	400	800
11990-1250	ISO 5713	8.8	.8 (DIN934)	M12	22	19,5	50	50	400	
11990-1250TS	ISO 5713	8.8	.8 (DIN985)	M12	22	19,5	50	50	400	800
11990-1260	ISO 5713	8.8	.8 (DIN934)	M12	22	19,5	60	50	400	
11990-1260TCB	ISO 5713	8.8	.10 (DIN6927)	M12	22	19,5	60	50	400	400

1199G ROUND HEAD WITH SQUARE NECK



All bolts are supplied with nuts.

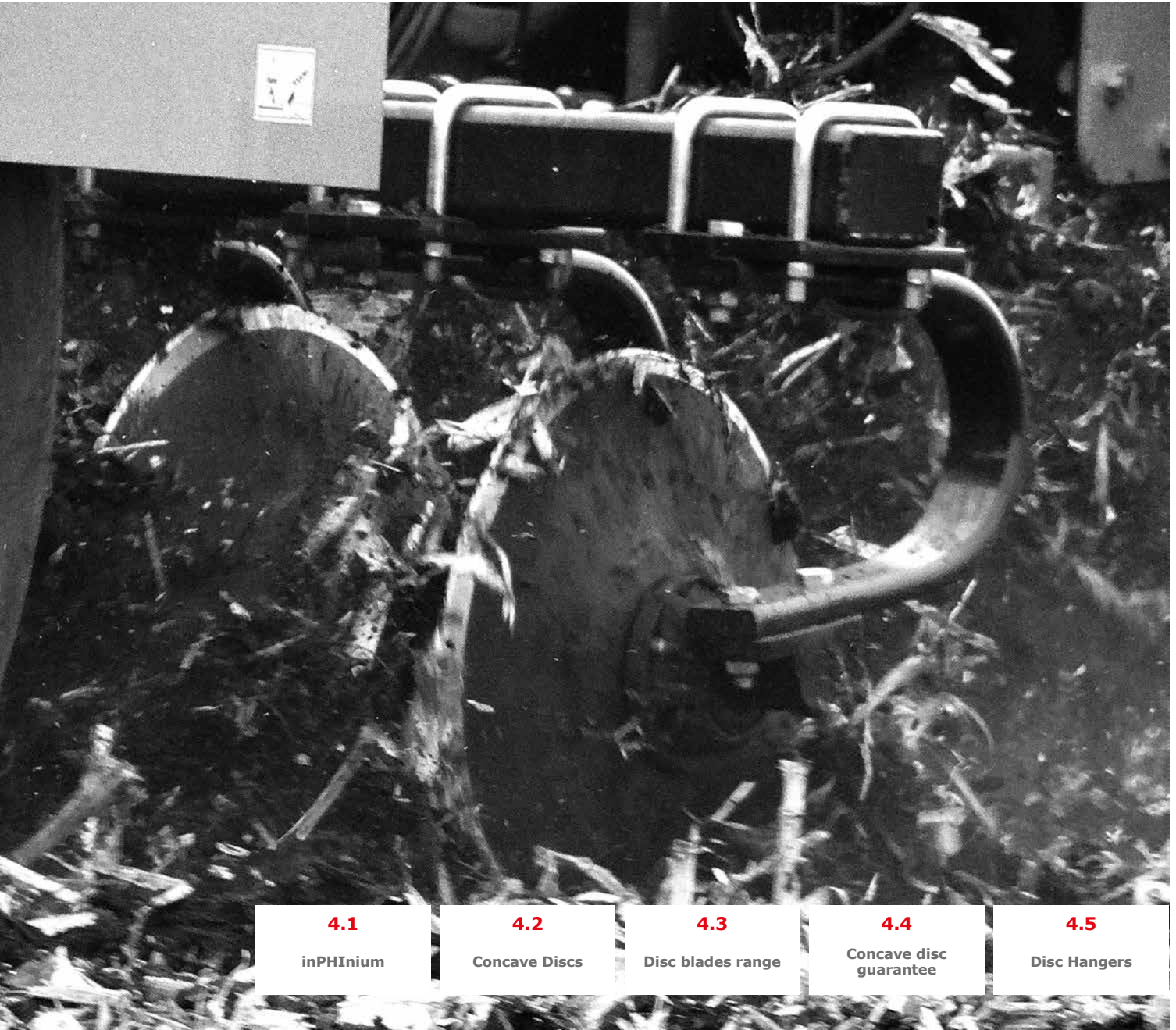


1199 G

Ref.			Dimension standard	Quality	Quality nut	ø D	ø D2	L	F
1199G-1035	50	400	DIN 603	8.8	.8 (DIN934)	M10	25	35	400
1199G-1230	50	400	DIN 603	8.8	.8 (DIN934)	M12	30	30	400
1199G-1235	50	400	DIN 603	10.9	.10 (DIN934)	M12	30	35	
1199G-1235B	50	400	DIN 603	12.9	.10 (DIN934)	M12	30	35	400
1199G-1238	50	400	DIN 603	8.8	.8 (DIN934)	M12	30	38	400
1199G-1260	50	400	DIN 603	8.8	.8 (DIN934)	M12	30	60	400
1199G-1470B	50	400	DIN 603	12.9	.10 (DIN934)	M14	32	70	400
1199G-1480B	50	400	DIN 603	12.9	.10 (DIN934)	M14	32	80	400

4

DISC HARROW



4.1

inPHInium

4.2

Concave Discs

4.3

Disc blades range

4.4

Concave disc guarantee

4.5

Disc Hangers

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

DISC HARROW

5

PLOUGH

inPHInium disc:

The disc with the longest lifespan without breaking on the market

The harder a disc is, the less tough it is. A disc is considered to be tough when it passes the ball test. With the new steel and special Borodur® treatment, *BELLOTA* has developed an inPHInium disc with the perfect balance of hardness and toughness.

All inPHInium discs have a hardness of 54 +/-2 HRc and pass the ball test. The perfect balance between maximum durability without breakage.

55 HRc.
200 kg/mm²

Ball Test
APPROVED

Perfect Balance

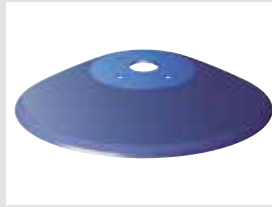
Range adapted to the requirements of each customer





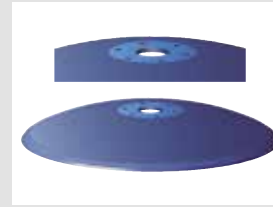
CONCAVE DISCS

212



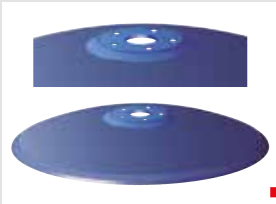
CONICAL DISCS

213



FLAT CENTRE DISCS

214



FLAT BACK CENTRE DISCS

215



1958 VT-REX

216



1947 VT-REX

217



1933 VT-REX

218



1992 VORTEX

219



1927 VORTEX

220



1957 VORTEX

221



1905 CE KIRAI

222



1906 LUR

223



1926 TERRAMAX

224

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

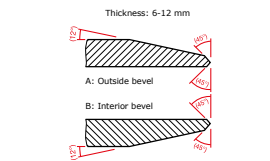
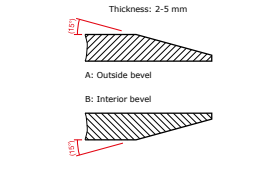
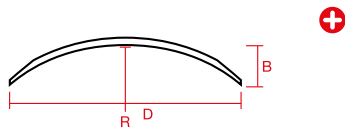
4

DISC HARROW

5

PLOUGH

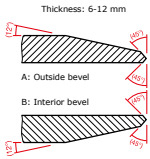
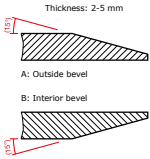
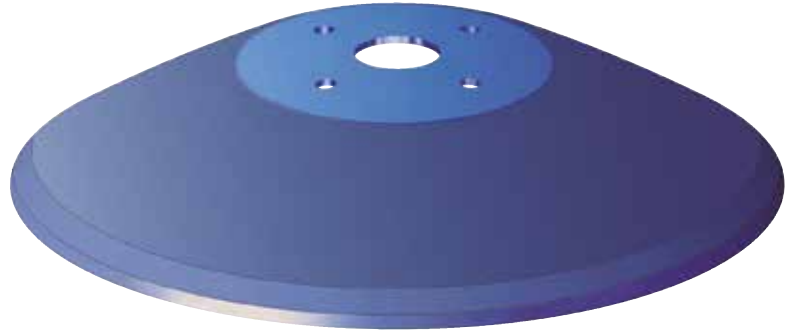
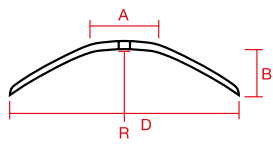
CONCAVE DISCS



Ref.	R mm	Concavity	Ø 10	Ø 11	Ø 12	Ø 13	Ø 14	Ø 15	Ø 16	Ø 18	Ø 20	Ø 22	Ø 24	Ø 26	Ø 28	Ø 30	Ø 32	Ø 34	Ø 36	
1942/1932	498	B mm							43	54	67	84	100	120	141					
		D mm							410	456	506	556	605	635	695					
1903/1913	545	B mm					29		39	49	61	76	90	110	127					
		D mm					353		413	457	508	560	607	656	704					
1904/1914	595	B mm	15				26		36	45	58	70	83	100	117	133				
		D mm	254				355		415	460	511	562	609	661	708	754				
1905/1915	620	B mm					26		34	43	53	67	80	96	112	128				
		D mm					356		416	460	512	565	612	664	711	752				
1906/1916	680	B mm	11	14	15	20	23	26	32	40	50	61	73	87	102	114	132			174
		D mm	254	281	303	331	357	377	419	463	515	567	616	670	722	762	814			915
1907/1917	722	B mm							30	37	46	57	67	81	94					
		D mm							417	462	512	567	614	668	718					
1948/1938	797	B mm							27	34	43	52	62	73	85	97	101,5	128	146	
		D mm							418	464	516	570	619	676	726	770	816	865	922	
1910/1920	983	B mm							22	28	35	43	50	60	70					
		D mm							420	465	519	574	624	680	733					

The first code has an outside bevel and the second code has an inside bevel.

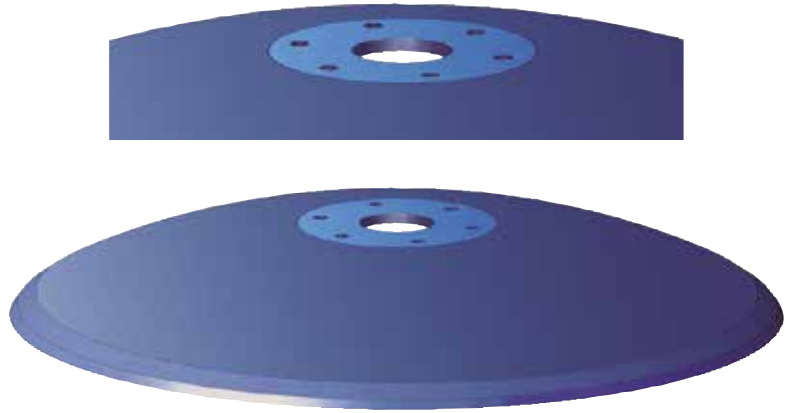
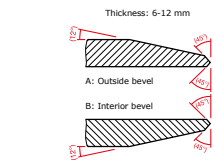
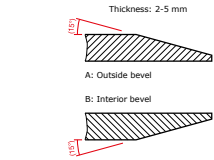
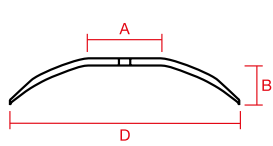
CONICAL DISCS



Ref.	R mm	Concavity	Ø 18	Ø 20	Ø 22	Ø 24	Ø 26	Ø 28	Ø 30	Ø 32	Ø 36
1971/1976	645	B mm	64	76	92	106	125	143			
		D mm	450	500	550	595	650	690			
1977	645	B mm		60	73	81	96	108	123	134	166
		D mm		502	557	602	637	707	765	820	910

1971: external bevel
 1976 y 1977: inside bevel

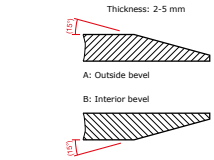
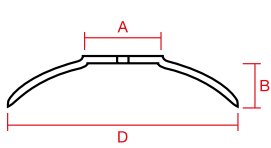
FLAT CENTRE DISCS



Ref.	A	Concavity	Ø 14	Ø 15	Ø 16	Ø 18	Ø 20	Ø 22	Ø 24	Ø 26	Ø 28	Ø 30	Ø 32
1951	178	B mm			28	36,5	47,5	62,5	72				
		D mm			417	462	513	566	610				
1964	110	B mm			37	47	58						
		D mm			414	439	510						
1965	130	B mm			36	45	56	70	84				
		D mm			415	460	511	563	609				
1953	155	B mm			15	21	29	39	49	62	76		
		D mm			421	466	518	572	620	674	724		
1954	155	B mm	24	28	35	44	57						
		D mm	355	378	415	458	510						
1966	160	B mm				36	45	57	69	79	95	106	123
		D mm				463	514	566	615	672	720	762	817
1956	170	B mm			10	11,5	14	17					
		D mm			406	457	508	582					
1967/1968	180	B mm			16	22	28						
		D mm			422	457	520						

All references have an outside bevel.
1968: outside 30° bevel

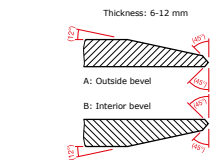
FLAT BACK CENTRE DISCS



Thickness: 2-5 mm

A: Outside bevel

B: Interior bevel



Thickness: 6-12 mm

A: Outside bevel

B: Interior bevel

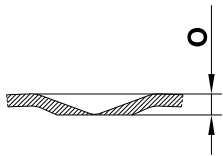
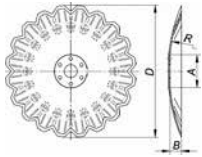


Ref.	A	Concavity	Ø 16	Ø 18	Ø 20	Ø 22	Ø 24	Ø 26	Ø 28	Ø 30	Ø 32
1960	130	B mm		49	60	71	84	96			
		D mm		460	513	565	614	968			
1959/1969	130	B mm	32	41	49						
		D mm	413	462	509						
1961/1963		D mm		461	512	565	615	670	720		
1952/1962	210	B mm				48	65	77	92	108	126
		D mm				572	618	675	724	770	817


1960, 1959, 1961 and 1952: outer bevel

1969, 1963, 1962: inside bevel

1958 VT-REX

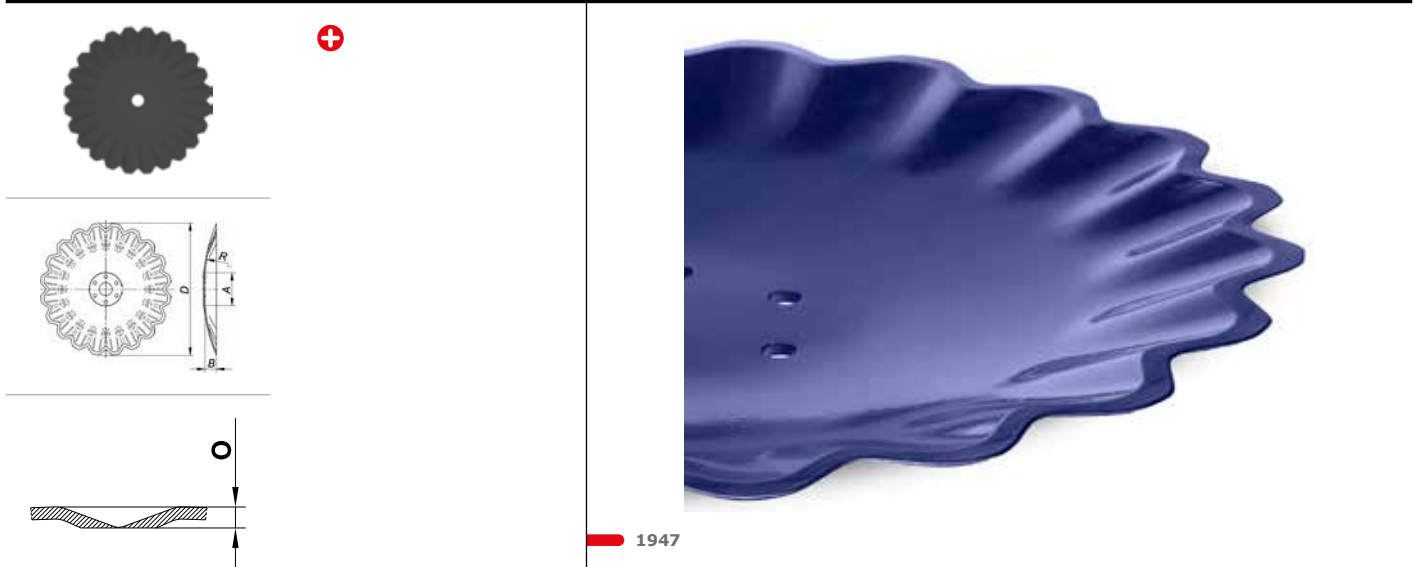



1958 VT Rex

Ref.	ø "	ø mm	→ ←	A	B	R mm	Nº waves	O	Grs.		F
1958-185	18"	462	5	130	35,5	610	20	8,5	5.100	50	150
1958-205	20"	514	5	130	45	610	20	8,5	7.500	50	150
1958-206	20"	514	6	130	45	610	20	8,5	8.000	50	150
1958-225	22"	568	5	130	58	610	20	8,5	8.900	50	150
1958-226	22"	568	6	130	58	610	20	8,5	10.000	50	150
1958-246	24"	610	6	130	69	610	20	8,5	12.500	50	150

These blades are for Vertical Tillage and are recommended for soft soils as it cuts waste perfectly and it penetrates deeply into the ground. Furthermore, as the blade gradually wears down, it becomes more aggressive, thus guaranteeing a longer working life for the disc.

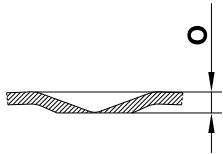
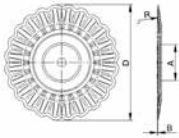
1947 VT-REX




Ref.	ø "	ø mm	→ ←	A	B	R mm	N° waves	O	Grs.		F
1947-246	24"	617	6	190	50	730	24	9	12.500	50	150
1947-225	22"	575	5	190	41	730	24	7,3	8.900	50	150

These blades are for Vertical Tillage and are recommended for soft soils as it cuts waste perfectly and it penetrates deeply into the ground. Furthermore, as the blade gradually wears down, it becomes more aggressive, thus guaranteeing a longer working life for the disc.

1933 VT-REX



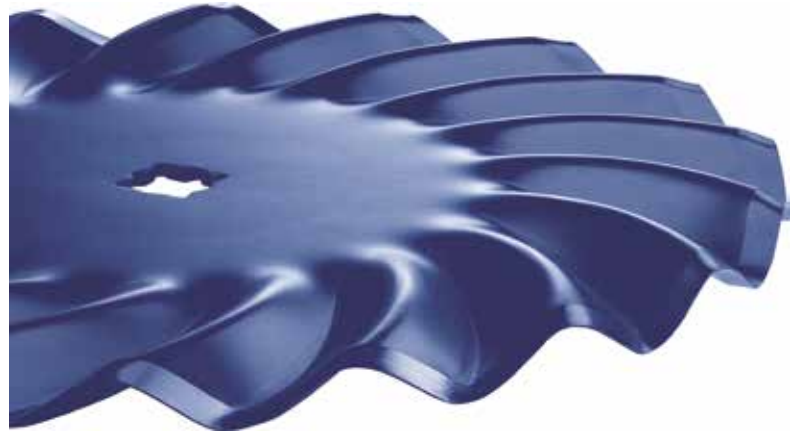
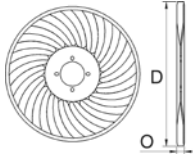
1933 VT REX

Ref.	ø "	ø mm	— —	O	Nº waves	A	B	F	R mm	Grs.		F
1933-205	20"	522	5	5	24	178	1	150	762	7.600	100	150
1933-206	20"	522	6	5	24	178	1	150	762	9.000	100	150
1933-2065	20"	522	6.5	5	24	178	1	150	762	9.700	100	150
1933-226	22"	575	6	5	24	178	4.5	150	762	11.250	100	150
1933-2265	22"	575	6.5	5	24	178	4.5	150	762	12.000	100	150
1933-246	24"	628	6	5	24	178	10.5	150	762	13.600	100	150
1933-2465	24"	628	6.5	5	24	178	10.5	150	762	14.600	100	150
1933-266	26"	687	6	5	24	178	19	150	762	16.300	100	150
1933-2665	26"	687	6.5	5	24	178	19	150	762	17.600	100	150


Allows tilling at higher speed.

These blades are for Vertical Tillage and are recommended for soft soils as it cuts waste perfectly and it penetrates deeply into the ground. Furthermore, as the blade gradually wears down, it becomes more aggressive, thus guaranteeing a longer working life for the disc.

1992 VORTEX



1992 VORTEX

Ref.	ø "	ø mm	→ ←	Nº waves	O	Flat Centre	Grs.		F
1992-176	17"	441	6	18	24	230	6.350	50	16
1992-186	18"	458	6	18	28,5	230	7.060	50	16
1992-206	20"	511	6	18	28,5	230	9.700	50	16
1992-226	22"	565	6	18	28,5	230	10.450	50	14
1992-246	24"	618	6	18	28,5	230	13.540	50	14

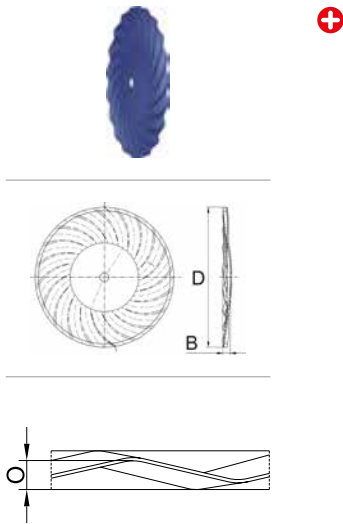
Vertical tillage disc, that is, to work the soil without turning it over, to avoid mixing the various layers of soil.

A good cut and an ideal mix of the organic residue is achieved, protecting the soil from erosion.



But under the soil you obtain a soil well prepared for planting, completely oxygenated and aerated to allow roots to grow in perfect conditions.

Vortex® is a trademark of CFC Distributors.

1927 VORTEX



1927-I VORTEX

Ref.	ø "	ø mm		Nº waves	O	B	R mm	Grs.		F
1927-206	20"	520	6	20	12,5	23,5	815	8.160	50	16
1927-226	22"	574	6	20	14	28,5	815	12.530	50	14

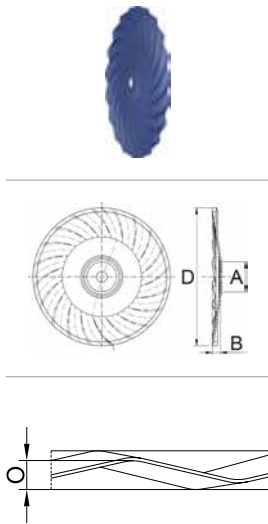
Vertical tillage disc, that is, to work the soil without turning it over, to avoid mixing the various layers of soil.

A good cut and an ideal mix of the organic residue is achieved, protecting the soil from erosion.


But under the soil you obtain a soil well prepared for planting, completely oxygenated and aerated to allow roots to grow in perfect conditions.

Vortex® is a trademark of CFC Distributors.

1957 VORTEX



1957-I VORTEX

Ref.	ø "	ø mm	→ ←	Nº waves	O	Flat Centre	B	R mm	Grs.		F
1957-186	18"	467	6	20	9	120	23,5	815	7.060	50	16
1957-206	20"	520	6	20	12,5	120	25,3	815	8.160	50	16
1957-226	22"	574	6	20	14	120	31	815	12.530	50	14

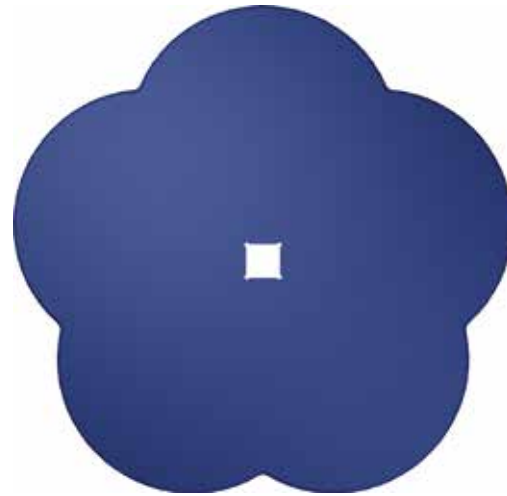
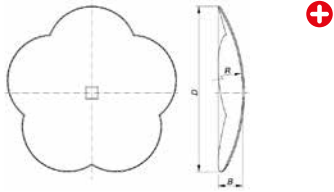
Vertical tillage disc, that is, to work the soil without turning it over, to avoid mixing the various layers of soil.

A good cut and an ideal mix of the organic residue is achieved, protecting the soil from erosion.


But under the soil you obtain a soil well prepared for planting, completely oxygenated and aerated to allow roots to grow in perfect conditions.

Vortex® is a trademark of CFC Distributors.

1905 CE KIRAI



1905 CE

Ref.	ø "	ø mm	→ ←	N. of petals	B	R mm	Grs.		F
1905 CE-246	24"	620	6	5	80	620	12.350	50	14
1905 CE-266	26"	657	6	5	96	620	15.000	50	12
1905 CE-288	28"	711	8	6	112	620	17.780	50	12

Penetrates better in dry soil but it also has a good performance in humid soil.


Allows tillage at a higher speed.

Thanks to the design of the KIRAI blades, the penetration into the soil is deeper than in traditional disc blades without increasing the tractor power.

1906 LUR



LUR

Ref.	ø "	ø mm	→ ←	B	R mm	N. of petals	Grs.		F
1906 D-3210	32"	810	10	132	680	5	31.800	50	30
1906 I-3210	32"	810	10	132	680	5	31.800	50	30

LUR discs have been devised to carry out tillage aggressively and energetically to shred and mix even the most resistant residue. They penetrate more deeply into dry soils than into normal soils, a working depth ranging from 15 to 25 cm being considered advisable. They are also highly effective at a shallower depth when tilling in wet soils.

It is advisable to assemble these discs helicoidally in each socket in order to put the rotation of the assembly to best use, so that the rotation power of the set is improved.

As the hole is square, it is simply a question of turning one position with respect to the preceding disc.

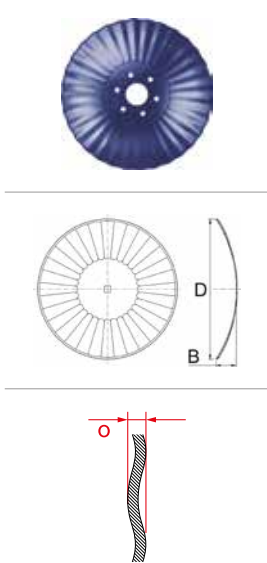
LUR LEFT HAND



LUR RIGHT HAND



1926 TERRAMAX



1926 TERRAMAX

Ref.	ø "	ø mm		Nº waves	O	B	R mm	Grs.		F
1926-186	18"	463	6	32	7	40	680	7.050	50	16
1926-204	20"	515	4	32	8	50	680	6.180	50	16
1926-224	22"	567	4	32	8	61	680	7.650	50	16
1926-245	24"	616	5	32	9	73	680	11.380	50	14
1926-246	24"	616	6	32	10	73	680	13.540	50	14
1926-266	26"	670	6	32	10	87	680	16.630	50	12
1926-288	28"	720	8	32	12	101	680	26.010	50	12

Recommended for soft soils.

The disc has a better lifetime than the conventional notched disc.

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4


DISC HARROW

5

PLOUGH

PLAIN



ø "	→ ←	Grs		F
10"	2,5	860	100	38
11"	2	870	100	36
11"	3	980	100	36
12"	2	1.040	100	26
12"	2,5	1.280	100	36
12"	3	1.590	100	36
12"	4	1.900	100	36
12"	5	2.400	100	36
13"	2,5	1.550	100	26
13"	3	1.910	100	48
14"	3	2.030	100	36
14"	3,5	2.360	100	33
14"	4	2.710	100	36
14"	4,5	3.050	100	35
14"	5	3.360	100	44
15"	4	3.480	100	33
16"	3	2.860	100	16
16"	3,5	3.320	100	16
16"	4	3.820	100	16
16"	4,5	4.300	100	16
16"	5	4.740	100	16
18"	3,5	4.140	100	16
18"	4	4.770	100	16
18"	4,5	5.390	100	16
18"	5	5.930	100	16
18"	6	7.050	100	16
20"	3,5	5.390	100	16
20"	4	6.180	100	16
20"	4,5	6.960	100	16
20"	5	7.650	100	16
20"	6	9.080	100	16
21"	5	13.820	100	16
22"	4	7.650	100	14
22"	4,5	8.620	100	14
22"	5	9.490	100	14
22"	6	11.280	100	14
24"	4,5	10.320	100	14
24"	5	11.380	100	14
24"	6	13.540	50	14
24"	7	15.800	50	14
24"	8	18.000	50	14
26"	5	13.830	50	12
26"	6	16.630	50	12
26"	7	19.390	50	12
26"	8	22.130	50	12
28"	6	19.530	50	12
28"	7	22.790	50	12
28"	8	26.010	40	12
30"	6	22.150	25	10
30"	8	29.530	25	10
30"	10	36.330	20	10
32"	8	34.220	20	10
32"	10	42.150	20	10
34"	12	63.400	15	10
36"	12	67.610	15	10

1 PLANTERS AND SEED DRILL

2 CURVED SUBSOILER

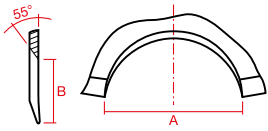
3 CULTIVATOR


4 DISC HARROW

5 PLOUGH










NOTCHED



ø "	n	Grs		Number of notches	A	B	F
16"	3	2.490	100	8	88	35	16
16"	3,5	2.880	100	8	88	35	16
16"	4	3.320	100	8	88	35	16
16"	4,5	3.720	100	8	88	35	16
16"	5	4.110	100	8	88	35	16
18"	3,5	3.650	100	9	88	35	16
18"	4	4.200	100	9	88	35	16
18"	4,5	4.740	100	9	88	35	16
18"	5	5.210	100	9	88	35	16
18"	6	6.180	100	9	88	35	16
20"	3,5	4.860	100	10	88	35	16
20"	4	5.570	100	10	88	35	16
20"	4,5	6.270	100	10	88	35	16
20"	5	6.890	100	10	88	35	16
20"	6	8.160	100	10	88	35	16
22"	4	6.930	100	11	86	35	14
22"	4,5	7.810	100	11	86	35	14
22"	5	8.590	100	11	86	35	14
22"	6	10.190	100	11	86	35	14
24"	4,5	9.440	100	12	86	35	14
24"	5	10.390	100	12	86	35	14
24"	6	12.350	50	12	86	35	14
24"	7	14.480	50	12	86	35	14
24"	8	16.640	50	12	86	35	14
26"	5	12.490	50	13	90	40	12
26"	6	15.000	50	13	90	40	12
26"	7	17.490	50	13	90	40	12
26"	8	19.940	50	13	90	40	12
28"	6	17.780	50	13	90	40	12
28"	7	20.730	50	14	90	40	12
28"	8	23.650	40	14	90	40	12
30"	6	20.400	25	15	89	40	10
30"	8	27.160	25	15	89	40	10
30"	10	33.400	20	15	89	40	10
32"	8	31.680	20	16	88	40	10
32"	10	39.000	20	16	88	40	10
34"	12	59.600	15	17	87	40	10
36"	12	63.550	15	18	87	40	10

Any kind of disc may be manufactured as plain or notched

All *BELLOTA* discs are produced under the strict quality specifications that ensure the hardness and uniformity throughout the disc. However, certain ground conditions may provoke some breaking. With the aim of clarifying why these situations occur, we have created the following table:

	Type of failure	Cause	Guarantee
	Crack	Defective material	Full credit granted
	Straight break		
	Breakout of center of disc	Tilled over rocks or stumps, loose bolts and excessive disc flexing	Credit is not offered
	Irregular break	Contact with rocks, stumps or other solid objects	
			
			
			
	Chipped and dented edges		



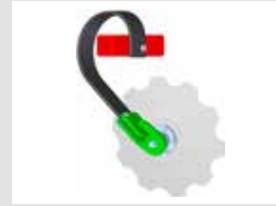
2512 BRG A

229



2512 BRG A CA1

230



2512 BRG B

231



Hub

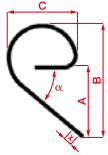
232



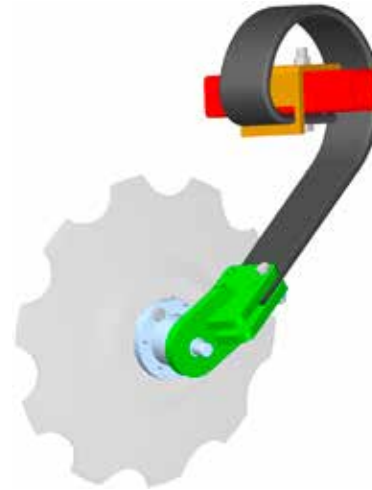
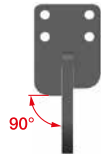
DISC HANGER
WITH ELASTOMER

233

2512 BRG A

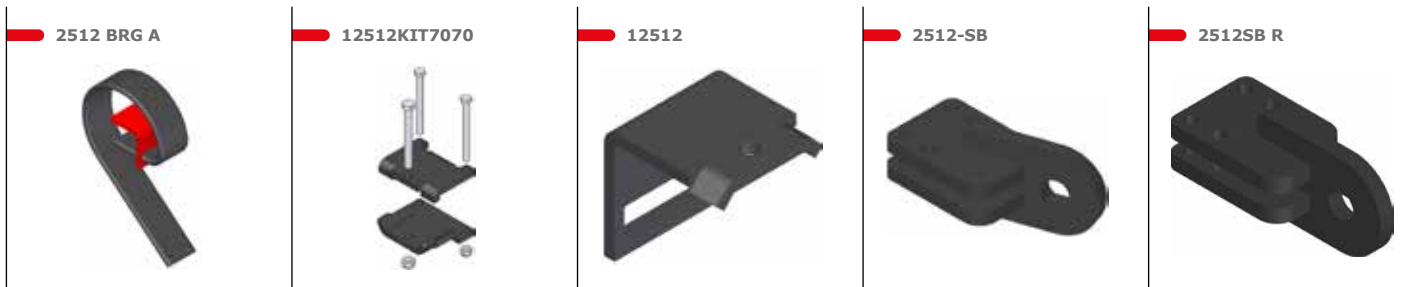


+
For speed harrow.
Bellota recommends
to mount with 18" or
20" discs.

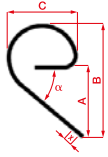


Ref.	Chasis		A	B	C	x1	x2	α	M	Grs.		F
2512 BRG A	60X60 / 70x70	90X14	273	429	264	60	30	40°	M12 (4)	9.000	100	
12512KIT 6060	60x60								M12(2)/M14(1)	3.000		
12512KIT 7070	70x70								M12(2) /M14(1)	3.000		
12512-6060	60x60									1.100		100
12512-7070	70x70									1.200	100	100
2512 SB										3.500	100	
2512 SB R										3.500	100	

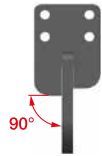
Assembly with clamp
Clamp for 60x60 chasis: 125126060 (M14). Clamp for 70x70 chasis: 125127070 (M14).
Can be assembled using the 2512-SB (ambidextrous and angled) and 2512-SB R (Straight) supports
Quality 12.9 bolts should be used.



2512 BRG A CA1



For speed harrow.
Bellota recommends
to mount with 18" or
20" discs.



Ref.	Chasis		A	B	C	x1	x2	α	M	Grs.	
2512 BRG A CA1	60X60 / 70X70	90X14	273	429	264	60	30	40°	M12 (4)	9.000	100
2512 SB										3.500	100
2512 SB R										3.500	100

Fixes to frame with 2 bolts of 14 mm metrics and 60 mm of distance between the two holes.
Can be assembled using the 2512-SB (ambidextrous and angled) and 2512-SB R (Straight) supports
Quality 12.9 bolts should be used.

2512 BRG A CA1



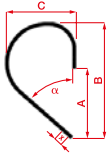
2512-SB



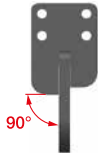
2512SB R



2512 BRG B



For speed harrow.
Bellota recommends
to mount with 18" or
20" discs.



Ref.	Chasis		A	B	C	x1	x2	α	M	Grs.	
2512 BRG B	70x70	90X14	265	440	267	60	30	48,6°	M12 (4)	7.600	100
2512 SB										3.500	100
2512 SB R										3.500	100

Fixes to frame with 2 bolts of 16 metrics and 50 mm of distance between the two holes.
Can be assembled using the 2512-SB (ambidextrous and angled) and 2512-SB R (Straight) supports
Quality 12.9 bolts should be used.

2512 BRG B



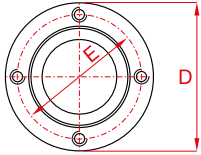
2512-SB






2512SB R



HUB



BUJEBRG30984

Ref.	E	D	M	N° Bolts		Grs.		
BUJEBRG30984	98	117	M12x1,25 (4)	4	M22x1,5	2.000	1	500
BUJEBRG30986	98	117	M12x1,25 (6)	6	M22x1,5	2.000	1	500

The 4-hole BUJEBRG30984 requires a disc with D6 configuration.
The 6-hole BUJEBRG30986 requires a disc with DO configuration.

BUJEBRG30986



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

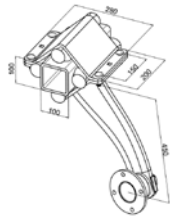
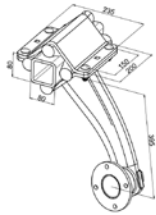
4

DISC HARROW


5

PLOUGH

DISC HANGER WITH ELASTOMER



308080

Ref.	A		Chasis	Angle	Grs.
308080 D CA	395	10	80x80	17°	19.600
308080 I CA	395	10	80x80	14°	19.600
30100100 D CA	450	10	100x100	17°	21.500
30100100 I CA	450	10	100x100	14°	21.500

308080: for 18" and 20" discs

30100100: for 22" and 24" discs

Ideal for tillage and sowing at high speeds, both in conventional tillage or direct sowing.

In very severe ground conditions, in order to absorb all kinds of impacts, the support is rotated 45° to facilitate the movement of the disc and thanks to the elastomers there is no metal-to-metal contact.

This 5-hole hub (PK disc configuration) is designed to work at high speeds as it is equipped with double row double angular contact ball bearings.

Can be used to work under any type of soil condition, whether cold and wet or dry.

308080



5

PLOUGH



1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

4

DISC HARROW

5

PLOUGH

5.1

Bellota Eco-Plough

5.2

Chisel plough
assembly

5.3

UNIVERSAL
PLOUGHSHARES

5.4

Universal
Mouldboards

5.5

Plough leaf springs

5.6

Kverneland

5.7

Kuhn

5.8

Överum

5.9

Fiskars-Agrolux

5.10

Vogel & Noot

5.11

Naud

5.12

Dowdeswell

5.13

International
Harvester

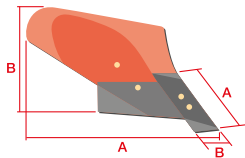
5.14

Ovlac

5.15

Escudero

ECO-PLOUGH

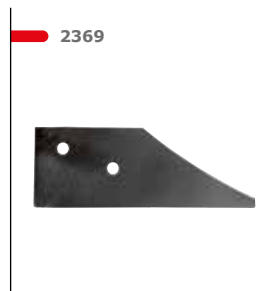
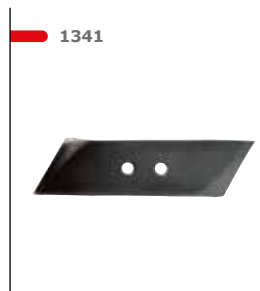
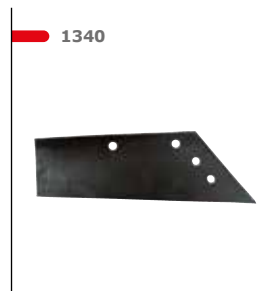


+ For a proper job, we recommend a working width of 280 mm. The recommended attack angle between the plough (once the tine is fastened) and the ground is about 3°.

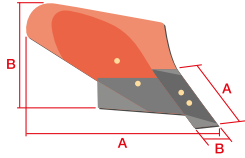


1345-2

Ref.	← →	A	B	Grs.				M	F
1345-40 2 D				17.800	1	30			
1345B-40 2 D				18.900	1	30			
1833-2 D CA	8	575	320	7.300	3	84	1199B	M12	
1833-2 I CA	8	575	320	7.300	3	84	1199B	M12	50
1342B-40 D				7.000		40	1345B-TAV		
1342B-40 I				7.000		40	1345B-TAV		
1340 D CA	10	380	100	2.650	6	360	1199D	M12	
1340 I CA	10	380	100	2.650	6	360	1199D	M12	
1341 D CA	12	260	65	1.300	12	720	1199D	M12	
1341 I CA	12	260	65	1.300	12	720	1199D	M12	
2369-1 D CA	8	270	100	1.250	12	660	1199D	M12	
2369-1 I CA	8	270	100	1.250	12	660	1199D	M12	50
1345B-TAV				745		1.000			



CHISEL PLOUGH ASSEMBLY



1424

Ref.	↔	A	B		M	Grs.		
1424-40 C D FORJADO						10.300	6	90
1424-40 C I FORJADO						10.300	6	90
1424-50 C D FORJADO						10.300	6	90
1424-50 C I FORJADO						10.300	6	90
1818-A D CA1	6	385	200	1199A	M10	2.070	12	324
1818-A I CA1	6	385	200	1199A	M10	2.070	12	324
1411 D CA1	8	298	90	1199A	M10	1.400	12	648
1411 I CA1	8	298	90	1199A	M10	1.400	12	648
2334 D	8	202	80	1199A	M10	800	12	720
2334 I	8	202	80	1199A	M10	800	12	720
1422-40 C D FORJADO		192	161			5.400	6	180
1422-40 C I FORJADO		192	161			5.400	6	180
1422-50 C D FORJADO		192	161			5.400	6	180
1422-50 C I FORJADO		192	161			5.400	6	180
1424-T						360		1.000





1208

238



1218

239



1321

240



1322

241



1323

242



1324

243



1328

244



1331

245



1339

246



1347 - 1348

247



1366 - 1367

248



1371

249



1369

250



1443

251



1582 - 1584

252



1467

253

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

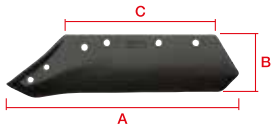
4

DISC HARROW

5

PLOUGH

1208



Product uniformity guaranteed by strict controls on quality and the production process.



1208

Ref.	→ ←	A	B	C	Grs.			M	F
1208-7 D S.A	10	387	102	280	2.400	300			
1208-7 I S.A	10	387	102	280	2.400	300			
1208-7 D CA	10	387	102	280	2.400	250	1199A	M12	100

S.A.:Without holes

1
PLANTERS AND SEED DRILL

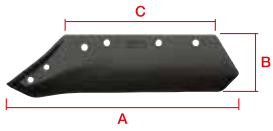
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1218



Product uniformity guaranteed by strict controls on quality and the production process.

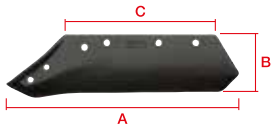


1218

Ref.		A	B	C	Grs.	
1218 D S.A	10	403	110	260	2.200	300
1218 I S.A	10	403	110	260	2.200	300

S.A.: Without holes

1321



+ Product uniformity guaranteed by strict controls on quality and the production process.



1321

Ref.		A	B	C	Grs.	
1321-1 D S.A	11	406	119	285	3.000	200
1321-1 I S.A	11	406	119	285	3.000	200

S.A.: Without holes

1
PLANTERS AND SEED DRILL

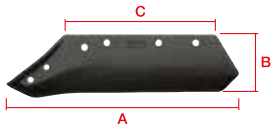
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1322



Product uniformity guaranteed by strict controls on quality and the production process.



1322

Ref.		A	B	C	Grs.				M	F
1322-32 D CA3	12	585	144	410	5.950		100	1199A	M12	100
1322-32 I CA3	12	585	144	410	5.950		100	1199A	M12	100
1322-5 D S.A	13	570	153	385	6.500	6	144			100
1322-5 I S,A	13	570	153	385	6.500	6	144			100

S.A.:Without holes

1
PLANTERS AND SEED DRILL

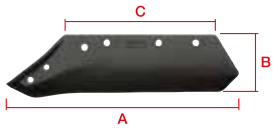
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1323



Product uniformity guaranteed by strict controls on quality and the production process.



1323

Ref.		A	B	C	Grs.			M	F
1323 D S.A	8	422	95	310	2.000	300	1199A	M12	100
1323 I S.A	8	422	95	310	2.000	300	1199A	M12	100
1323 D CA	8	422	95	310	2.000	250	1199A	M12	100
1323 I CA	8	422	95	310	2.000	250	1199A	M12	100

S.A.: Without holes

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

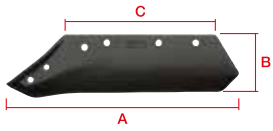
4

DISC HARROW

5

PLOUGH

1324



+ Product uniformity guaranteed by strict controls on quality and the production process.



1324

Ref.		A	B	C	Grs.				M	F
1324-1 D S.A	8	359	99	275	1.800		300	1199A	M12	100
1324-1 I S.A	8	359	99	275	1.800		300	1199A	M12	100
1324-1 D CA	8	359	99	275	1.800		300	1199A	M12	
1324-1 I CA	8	359	99	275	1.800		300	1199A	M12	
1324-2 D S.A	10	388	108	295	2.500	6	360	1199A	M12	100
1324-2 D CA	10	388	108	295	2.500	6	360	1199A	M12	100

S.A.:Without holes

1
PLANTERS AND SEED DRILL

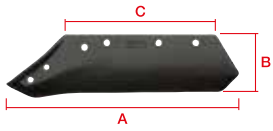
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1328



Product uniformity guaranteed by strict controls on quality and the production process.



1328

Ref.		A	B	C	Grs.		F
1328-11 D S.A	11	373	120	245	2.800	420	100
1328-11 I S.A	11	373	120	245	2.800	420	100
1328-12 D S.A	11	413	130	275	3.200	300	100
1328-12 I S.A	11	413	130	275	3.200	300	100
1328-13 D S.A	11	448	135	305	3.600	200	
1328-13 I S.A	11	448	135	305	3.600	200	
1328-14 D S.A	11	483	140	335	4.000	180	
1328-14 I S.A	11	483	140	335	4.000	180	
1328-16 D S.A	12	560	140	410	5.000	150	
1328-16 I S.A	12	560	140	410	5.000	150	

S.A.:Without holes

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

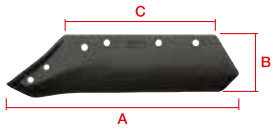
4

DISC HARROW

5

PLOUGH

1331



Product uniformity guaranteed by strict controls on quality and the production process.



1331

Ref.		A	B	C	Grs.		M	F
1331 D CA	8	225	75	155	1.000	900	M10	100
1331 I CA	8	225	75	155	1.000	900	M10	100

T: countersunk screw with set screw

1 PLANTERS AND SEED DRILL

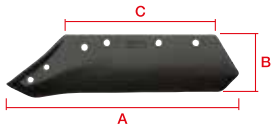
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

5 PLOUGH

1339



Product uniformity guaranteed by strict controls on quality and the production process.



1339

Ref.		A	B	C	Grs.			M
1339-2 D CA	12	590	128	390	5.850	120	1199A	M12

1 PLANTERS AND SEED DRILL

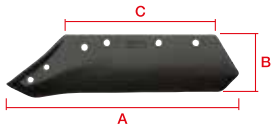
2 CURVED SUBSOILER

3 CULTIVATOR

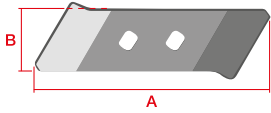
4 DISC HARROW

5 PLOUGH

1347 - 1348



+ Product uniformity guaranteed by strict controls on quality and the production process.



1347

Ref.	→ ←	A	B	C	Grs.			M	F
1347-32 D CA5	12	552	144	410	5.400	125	1199C	M14	100
1347-32 I CA5	12	552	144	410	5.400	125	1199C	M14	100
1348 D CA3	14	300	70		1.775	500	1199D	M12	
1348 I CA3	14	300	70		1.775	500	1199D	M12	

1348



1
PLANTERS AND SEED DRILL

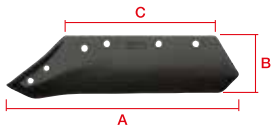
2
CURVED SUBSOILER

3
CULTIVATOR

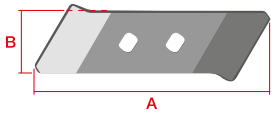
4
DISC HARROW

5
PLOUGH

1366 - 1367



+ Product uniformity guaranteed by strict controls on quality and the production process.



1366

Ref.	→ ←	A	B	C	Grs.			M	F
1366-16 D CA	14	655	144	455	7.100	100	1199C	M14	100
1366-16 I CA	14	655	144	455	7.100	100	1199C	M14	100
1367 D	14	278	70		1.460	500	1199D	M12	
1367 I	14	278	70		1.460	500	1199D	M12	

1367



1
PLANTERS AND SEED DRILL

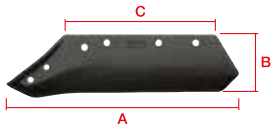
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1371



+ Product uniformity guaranteed by strict controls on quality and the production process.



1371

Ref.	→ ←	A	B	C	Grs.			M	F
1371-3 D CA1	11	525	155	300	4.100	240	1199A	M12	100
1371-3 I CA1	11	525	155	300	4.100	240	1199A	M12	100

1 PLANTERS AND SEED DRILL

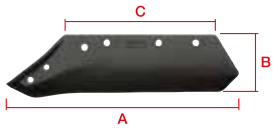
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

5 PLOUGH

1369



Product uniformity guaranteed by strict controls on quality and the production process.



1369

Ref.		A	B	C	Gr.			M	F
1369 D CA	8	350	105	260	1.800	500	1199B	M10	100

1 PLANTERS AND SEED DRILL

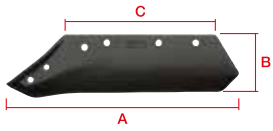
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

5 PLOUGH

1443



Product uniformity guaranteed by strict controls on quality and the production process.



1443-PED-CA-1

Ref.		A	B	C	Grs.				M	F
1443 PED CA1	10,5	550	128	405	4.550		150	1199A	M12	100

1443-16



1
PLANTERS AND SEED DRILL

2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1582 - 1584



Product uniformity guaranteed by strict controls on quality and the production process.



1582 D & I

Ref.	→ ←	Grs.	A	B	C	D			M
1582 D	8	1.035	119	285	50	220	750	1199B	M12
1582 I	8	1.035	119	285	50	220	750	1199B	M12
1582 D CA1	8	1.035	119	285	50		750	1199B	M10
1582 I CA1	8	1.035	119	285	50		750	1199B	M10
1584 D	10	1.825	135	344	50		450	1199B	M12
1584 I	10	1.825	135	344	50		450	1199B	M12

1584-D



1
PLANTERS AND SEED DRILL

2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

1467



Product uniformity guaranteed by strict controls on quality and the production process.



1467-B

Ref.		A	B	Grs.		F
1467-A	10	3000	60	12.545	50	50
1467-B	10	550	60	2.300	350	50

STD: Without treatment

1
PLANTERS AND SEED DRILL

2
CURVED SUBSOILER

3
CULTIVATOR

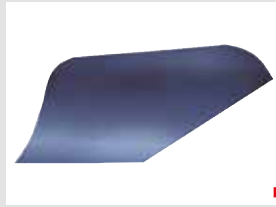
4
DISC HARROW

5
PLOUGH



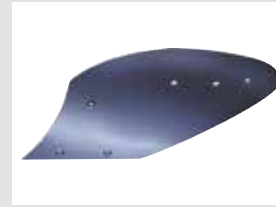
1753

255



1769

256



1781

257



1786

258



1792

259



1788

260

1

PLANTERS AND SEED DRILL

2

CURVED SUBSOILER

3

CULTIVATOR

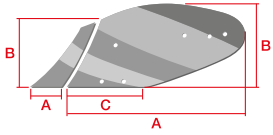
4

DISC HARROW

5

PLOUGH

1753



Hardness: 50 ± 2 HRC, except in SEMI product, as it does have thermal treatment.

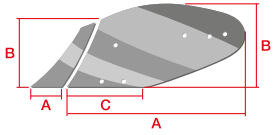


1753

Ref.	$\rightarrow \leftarrow$	A	B	C	Grs.	M
1753-2 D	7	680	350	230	10.450	M12
1753-2 I	7	680	350	230	10.450	M12
1753-3 D SEMI	7	730	380	250	11.360	
1753-3 I SEMI	7	730	380	250	11.360	
1753-3 D	7	730	380	250	11.360	M12
1753-3 I	7	730	380	250	11.360	M12

SEMI: Without holes and treatment for drilling as required.

1769



Hardness: 50 ± 2 HRC, except in SEMI product, as it does have thermal treatment.

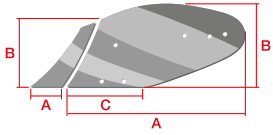


1769

Ref.	→ ←	A	B	C	Grs.	F
1769-1 D SEMI	7	550	245	270	5.280	63
1769-1 I SEMI	7	550	245	270	5.280	63
1769-2 D SEMI	7	616	285	295	6.500	28

SEMI: Without holes and treatment for drilling as required.

1781



Hardness: 50 ± 2 HRC, except in SEMI product, as it does have thermal treatment.



1781

Ref.		A	B	C	Grs.	F
1781-4 D SEMI	7	900	430	425	14.300	26

SEMI: Without holes and treatment for drilling as required.

1 PLANTERS AND SEED DRILL

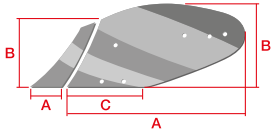
2 CURVED SUBSOILER

3 CULTIVATOR

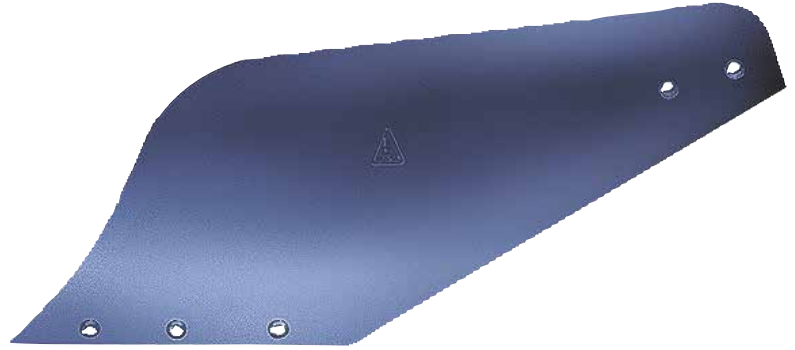
4 DISC HARROW

5 PLOUGH

1786



Hardness: 50 ± 2 HRc, except in SEMI product, as it does have termical treatment.



1786

Ref.	\rightarrow \leftarrow	A	B	C	Grs.	M	F
1786-3 D	7	1055	445	470	16.540	M10	21
1786-3 I	7	1055	445	470	16.540	M10	21

1 PLANTERS AND SEED DRILL

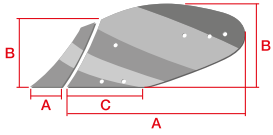
2 CURVED SUBSOILER

3 CULTIVATOR

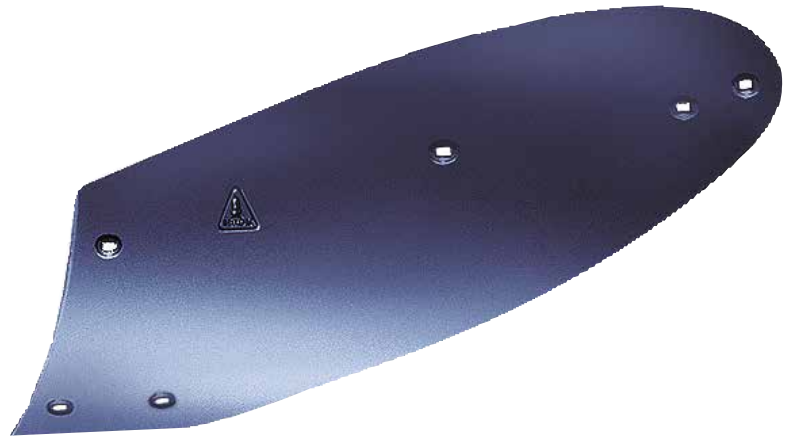
4 DISC HARROW

5 PLOUGH

1792



Hardness: 50 ± 2 HRC, except in SEMI product, as it does have thermal treatment.

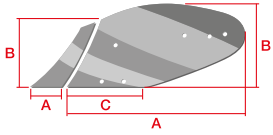


1792

Ref.		A	B	C	Grs.		M	F
1792-1 D CA1	8	835	460	178	15.680	1199A	M11	24
1792-1 I CA1	8	835	460	178	15.680	1199A	M11	24
1792-1 D CA2	8	835	460	178	15.680	1199A	M11	24
1792-1 I CA2	8	835	460	178	15.680	1199A	M11	24

Model CA2 does not have a central hole.

1788



Hardness: 50 ± 2 HRc, except in SEMI product, as it does have termical treatment.



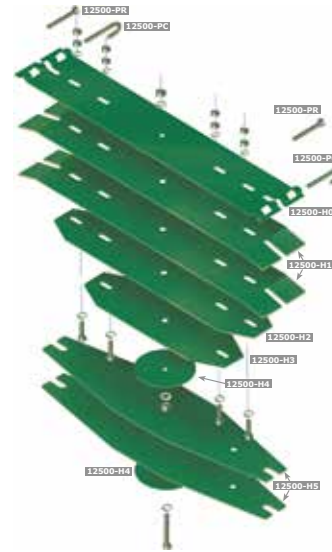
1788

Ref.	→ ←	A	B	C	Grs.	⚙	M	F
1788-2 F D	7	840	375	385	12.120	1199B	M14	26
1788-2 F I	7	840	375	385	12.120	1199B	M14	26

KVERNELAND LEAF SPRING 12500



Epoxy paint with UVA protection.



KVERNELAND 12500

Ref.	Original Ref.	→ ←	A	B	Grs.		M
12500-5	050706	4	770	170	16.500	20	M10 / 12
12500-7	060703	4	770	170	22.100	18	M10 / 12
12500-H0	057063	4	770	140	3.500	100	
12500-H1	057064	4	760	140	3.400	250	
12500-H2	057065	4	625	140	2.800	300	
12500-H3	057066	4	440	140	2.000	300	
12500-H4	057067	4	700	140	700	200	
12500-H5	057068	4		170	2.800	200	
12500-PC					373	500	
12500-PR					306	500	

12500-5 = 12500-H0 + 12500-H1 (2) + 12500-H2 + 12500-H3 + 12500-H4 (2)

12500-7 = 12500-H0 + 12500-H1 (2) + 12500-H2 + 12500-H3 + 12500-H4 (2) + 12500-H5 (2)

Initial recommended distance for mounting leaf spring (when flexed): 70 cm. (Distance between the wheelbase)

Leaf combinations are developed in accordance with customer's requirements.

The number of layers per leaf spring shall depend on the ground characteristics (soil type)

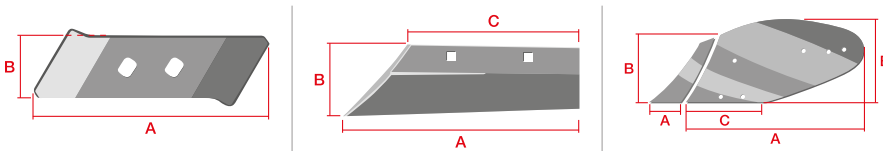
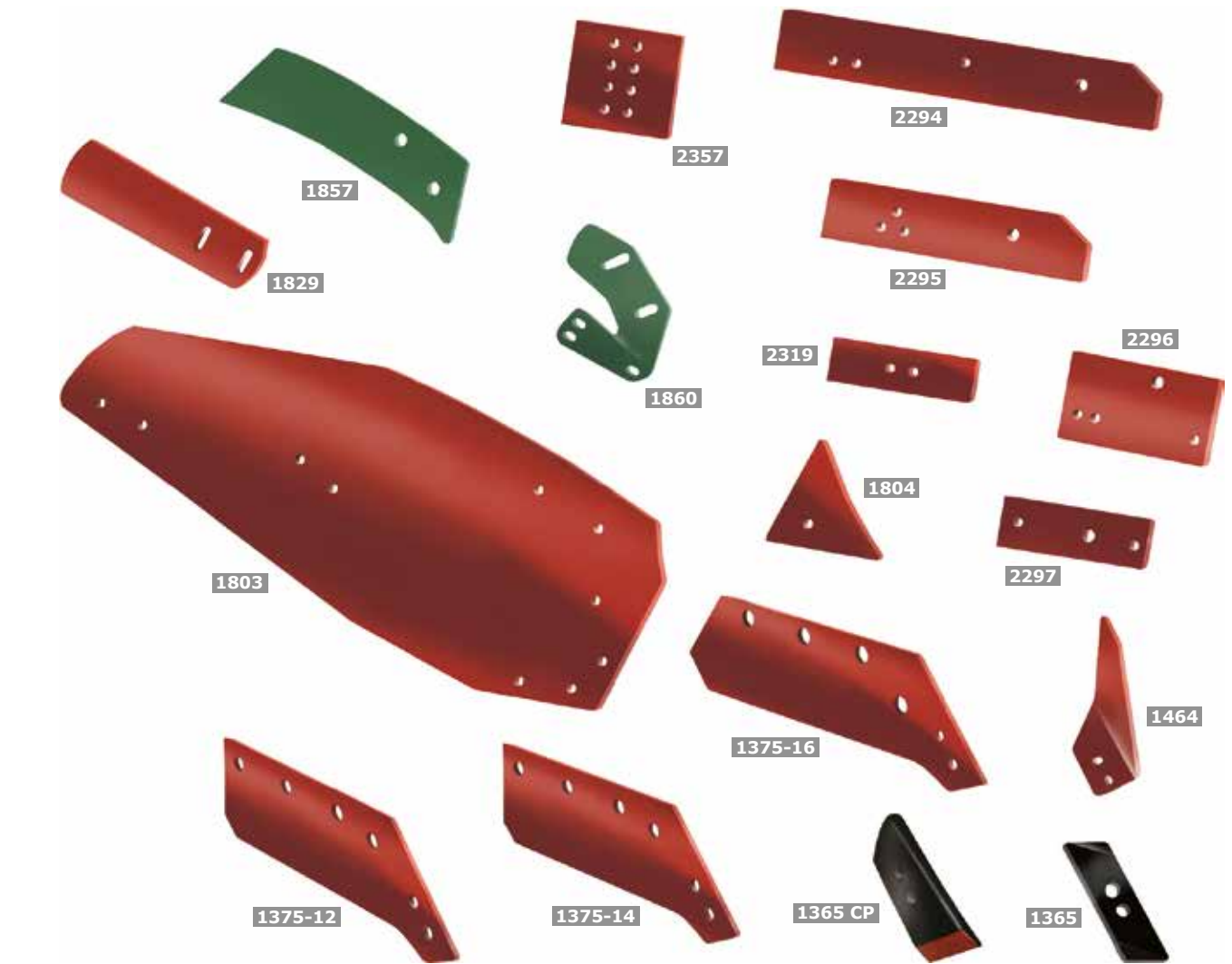
Sheets breakdown

Ref.	12500-H0	12500-H1	12500-H2	12500-H3	12500-H4	12500-H5
12500-5	1	2	1	1	2	
12500-7	1	2	1	1	2	2



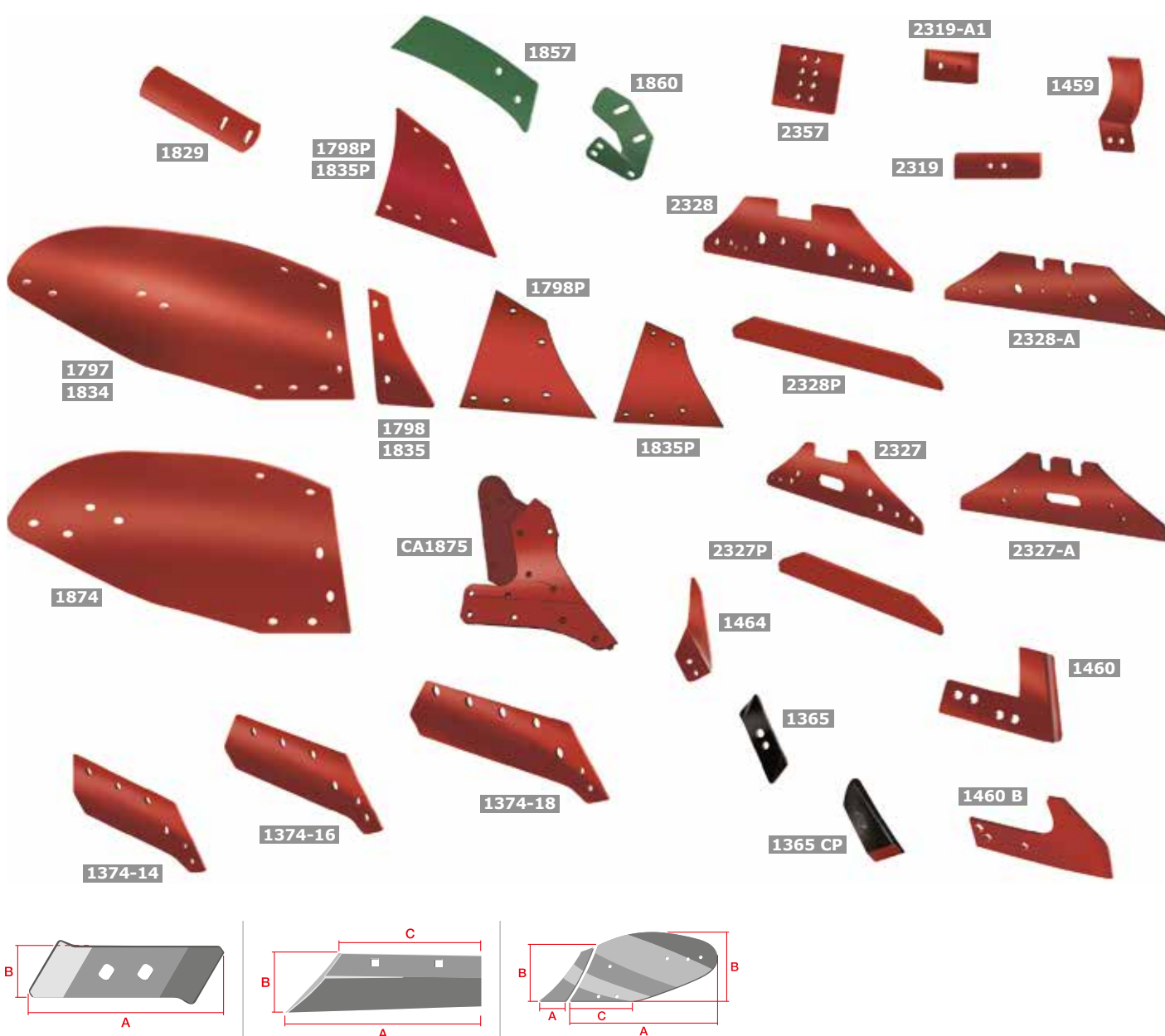
KVERNELAND 1,3,5

1 PLANTERS AND SEED DRILL
2 CURVED SUBSOILER
3 CULTIVATOR
4 DISC HARROW
5 **PLOUGH**



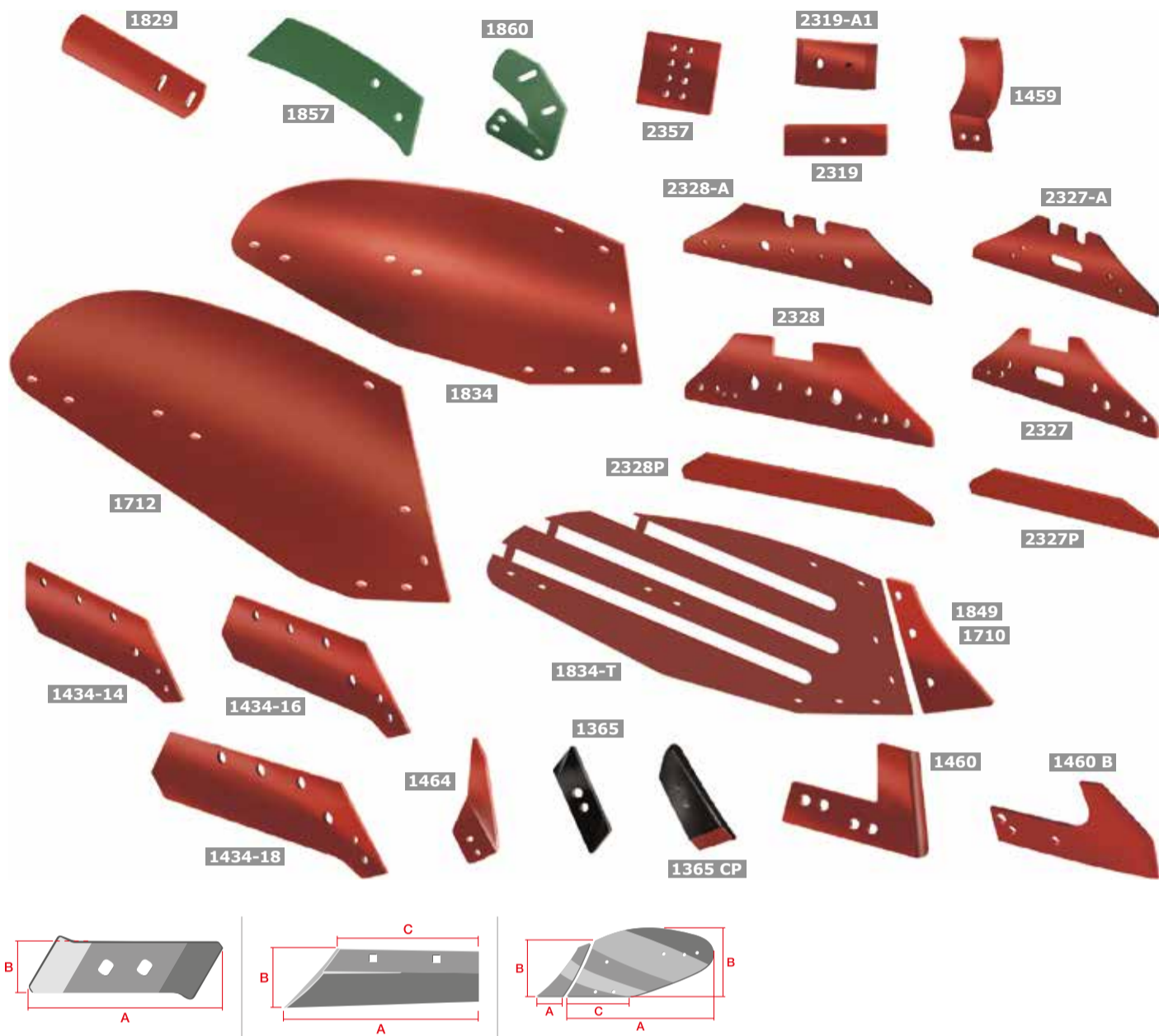
Ref.	Original Ref.	— —	A	B	C	⚙	M	Grs.	📦	📦	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100		500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100		500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345		500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345		500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675		500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675		500	
1375-12 D	KK063013	11	501	142	370	1199D	M12	4.600		150	100
1375-12 I	KK063016	11	501	142	370	1199D	M12	4.600		150	100
1375-14 D	KK063014	11	501	142	370	1199D	M12	4.700		150	
1375-14 I	KK063017	11	501	142	370	1199D	M12	4.700		150	
1375-16 D	KK063015	11	563	142	370	1199D	M12	5.300		150	
1375-16 I	KK063018	11	563	142	370	1199D	M12	5.300		150	
1464 D	KK073091	4,5	283	145		1199D		830		500	
1464 I	KK073092	4,5	283	145		1199D		830		500	
1803-A D BO	KK063283-Nº3	8	1050	430	208	1199B	M12	19.657			
1803-A D TX	KK063283-Nº3	7	1050	430	208	1199B	M12	17.185			18
1803-A I BO	KK063293-Nº3	8	1050	430	208	1199B	M12	19.657			
1803-A I TX	KK063293-Nº3	7	1050	430	208	1199B	M12	17.185			18
1803-A D P	KK063283-Nº3	8	1050	430	208	1199B	M12	19.657			20
1803-A I P	KK063293-Nº3	8	1050	430	208	1199B	M12	19.657			20
1804 D BO	KK063240-Nº1,3,5	8	201	185		1199B	M12	1.029	12	900	
1804 D TX	KK063240-Nº1,3,5	7	201	185		1199B	M12	900	12	1.080	50
1804 I BO	KK063250-Nº1,3,5	8	201	185		1199B	M12	1.029	12	900	
1804 I TX	KK063250-Nº1,3,5	7	201	185		1199B	M12	900	12	1.080	50
1829 D	KK053387	8	365	100		1199B	M12	1.900	12	432	
1829 I	KK063388	8	365	100		1199B	M12	1.900	12	432	
1857 D	KK073300	8	460	150		1199B	M12	3.285		150	
1857 I	KK073301	8	460	150		1199B	M12	3.285		150	
1860 D	KK073310	10	220	200		1199B	M12	2.150		300	
1860 I	KK073311	10	220	200		1199B	M12	2.150		300	
2294 D	KK063603	10	650	105		1199C/1199D	M17/M13	6.250		150	
2294 I	KK063604	10	650	105		1199C/1199D	M17/M13	6.250		150	
2295 D	KK063605/615	10	450	105		1199C/1199D	M17/M13	4.300		200	
2295 I	KK063606	10	450	105		1199C/1199D	M17/M13	4.300		200	
2296 D	KK063607	10	250	150		1199C	M16	2.800		200	
2297 D	KK063608	12	250	85		1199C	M16	1.600		400	50
2297 I	KK063609	12	250	85		1199C	M16	1.600		400	50
2319	KK063600A	12	240	70		1199D	M12	1.400		500	
2357	KK063601A	12	214	180		1199D	M16	3.150		300	

KVERNELAND 6,7,8,9



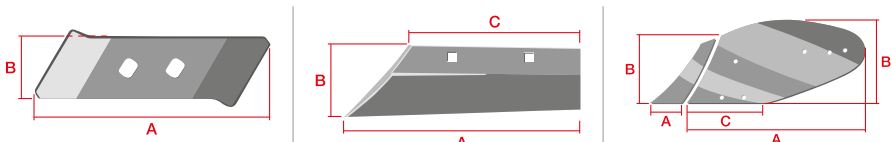
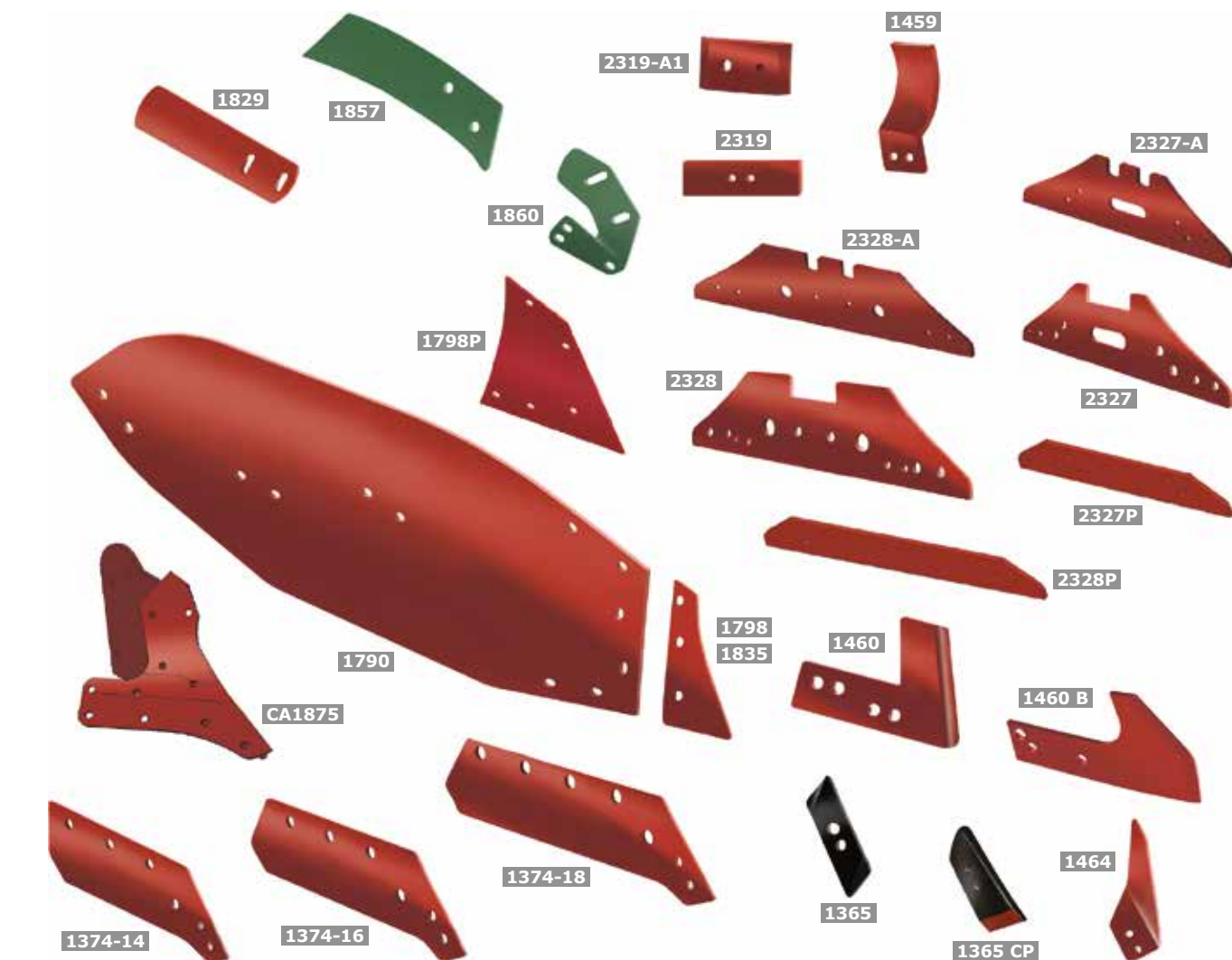
Ref.	Original Ref.	— —	A	B	C	⚙	M	Gr.	📦	🔧	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100		500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100		500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345		500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345		500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675		500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675		500	
1374-14 D CG	KK073002	11	501	142	370	1199C	M14	4.700		150	
1374-14 I CG	KK073003	11	501	142	370	1199C	M14	4.700		150	
1374-16 D CG	KK073004	11	563	142	370	1199C	M14	5.300		150	
1374-16 I CG	KK073005	11	563	142	370	1199C	M14	5.300		150	
1374-18 D CG	KK073006	11	641	142	450	1199C	M14	6.300		125	
1374-18 I CG	KK073007	11	641	142	450	1199C	M14	6.300		125	
1459 D	KK073615	10	114	200		1199C	M14	2.700		150	100
1459 I	KK073616	10	114	200		1199C	M14	2.700		150	100
1460 D	KK073088	10	357	240		1199B	M16	3.450		200	
1460 I	KK073089	10	357	240		1199B	M16	3.450		200	
1460 BD	KK084320	8	390	216		1199B	M4-M16	2.900		200	
1460 BI	KK084321	8	390	216		1199B	M4-M16	2.900		200	
1464 D	KK073091	4,5	283	145		1199D		830		500	
1464 I	KK073092	4,5	283	145		1199D		830		500	
1797-A D BO	KK073286-N°8	8	1059	477	222	1199B	M12	20.900			
1797-A I BO	KK073287-N°8	8	1059	477	222	1199B	M12	20.900			
1797-A D C P	KK073286-N°8	8	1054	440	222	1199B	M12	20.900			36
1797-A I C P	KK073287-N°8	8	1054	440	222	1199B	M12	20.900			36
1798 D BO	KK073250-N°7,8,28	8	162	278		1199B	M12	1.500	12	648	
1798 I BO	KK073251-N°7,8,28	8	162	278		1199B	M12	1.500	12	648	
1798-10 D CA	KK073250-N° 7,8,28	10	162	275		1199B	M12	1.800		500	50
1798-10 I CA	KK073251-N°7,8,28	10	162	275		1199B	M12	1.800		500	50
1798 D PROTECTOR		7	374	325		1199B	M12	3.600		150	
1798 I PROTECTOR		7	374	325		1199B	M12	3.600		150	
1829 D	KK053387	8	365	100		1199B	M12	1.900	12	432	
1829 I	KK063388	8	365	100		1199B	M12	1.900	12	432	
1834 D BO	KK073290-N°9	8	980	440	280	1199B	M12	20.700			
1834 I BO	KK073291-N°9	8	980	440	280	1199B	M12	20.700			
1835 D BO	KK073256-N°6-9	8	166	325		1199B	M12	1.600	12	540	
1835 I BO	KK073257-N°6-9	8	166	325		1199B	M12	1.600	12	540	
1835 D PROTECTOR		7	386	363		1199B	M12	4.260		150	
1835 I PROTECTOR		7	386	363		1199B	M12	4.260		150	
1857 D	KK073300	8	460	150		1199B	M12	3.285		150	
1857 I	KK073301	8	460	150		1199B	M12	3.285		150	
1860 D	KK073310	10	220	200		1199B	M12	2.150		300	
1860 I	KK073311	10	220	200		1199B	M12	2.150		300	
1874 D	KK073260-N°6	8	780	395	200	1199B	M12	14.150			
1874 I	KK073261-N°6	8	780	395	200	1199B	M12	14.150			
1875 D	KKN° 6,9	10	397	380				6.500		120	
1875 I	KKN° 6,9	10	397	380				6.500		120	
CA1875 D KV8	KKN° 6,7,8,9,28	10/12						11.600			
CA1875 I KV8	KKN° 6,7,8,9,28	10/12						11.600			
2319	KK063600A	12	240	70		1199D	M12	1.400		500	
2319-A1	KK073614	12	145	80		1199C	M14	1.000		800	
2327	KK073608	11	566	170		1199C	M14	5.250		150	
2327-A	KK073608	11	566	170		1199C	M14	5.200	50	150	50
2327 PROTECTOR		12	566	90		1199C	M14	4.200		200	
2328	KK073609	11	746	170		1199C	M14	7.900		100	
2328-A	KK073609	11	746	170		1199C	M14	7.850		100	50
2328 PROTECTOR		12	746	90		1199C	M14	5.750		150	
2357	KK063601A	12	214	180		1199D	M16	3.150		300	

KVERNELAND 12,15,19



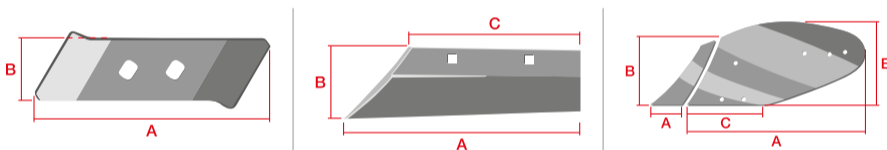
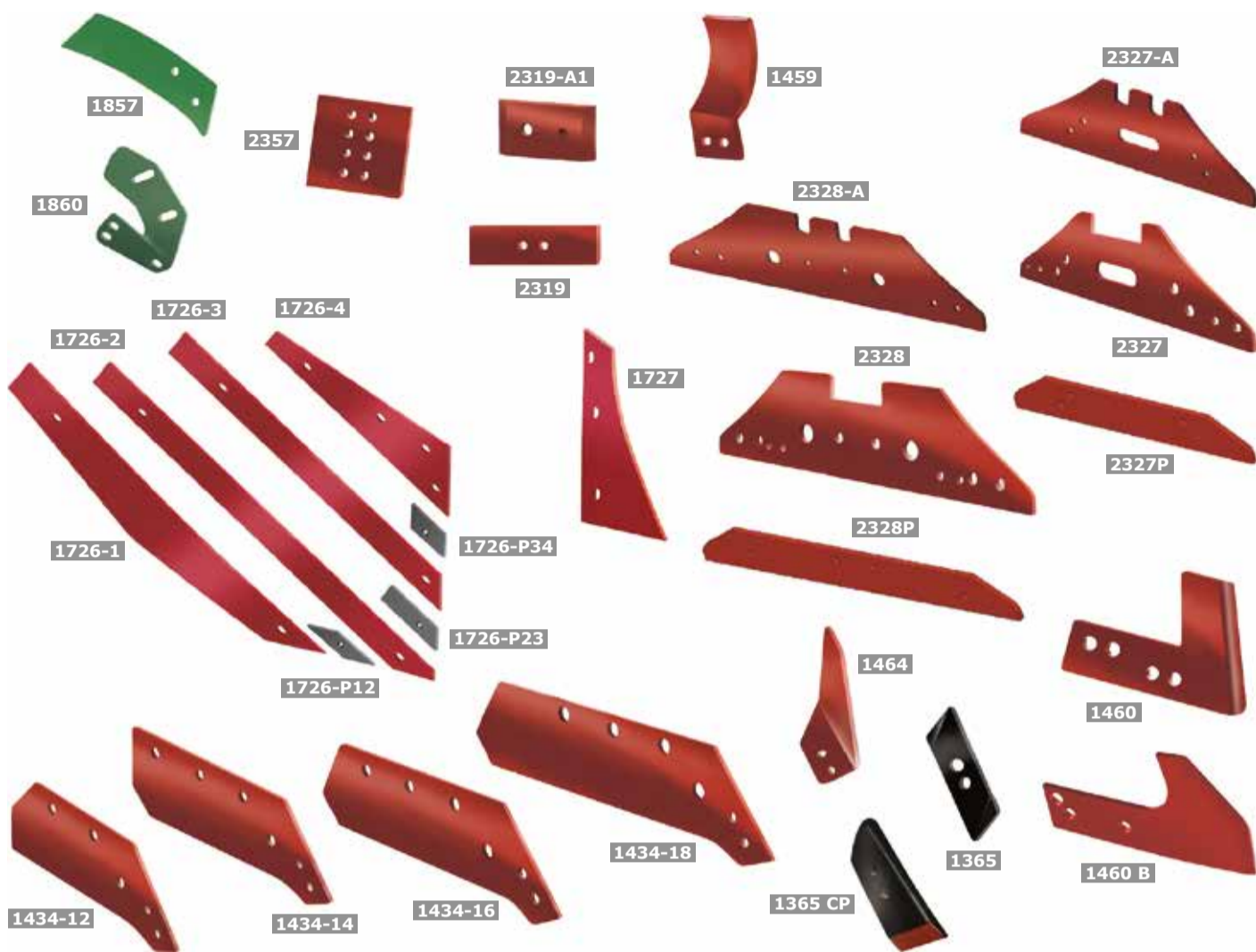
Ref.	Original Ref.	— —	A	B	C	⚙	M	Gr.	📦	🔧	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100		500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100		500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345		500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345		500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675		500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675		500	
1434-14 D	KK073054	11	484	144	370	1199C	M14	5.060		150	100
1434-14 I	KK073055	11	484	144	370	1199C	M14	5.060		150	100
1434-16 D	KK073056	11	549	144	380	1199C	M14	5.260		150	
1434-16 I	KK073057	11	549	144	380	1199C	M14	5.260		150	
1434-18 D	KK073080	11	635	145	465	1199C	M14	6.240		100	
1434-18 I	KK073081	11	635	145	465	1199C	M14	6.240		100	
1459 D	KK073615	10	114	200		1199C	M14	2.700		150	100
1459 I	KK073616	10	114	200		1199C	M14	2.700		150	100
1460 D	KK073088	10	357	240		1199B	M16	3.450		200	
1460 I	KK073089	10	357	240		1199B	M16	3.450		200	
1460 BD	KK084320	8	390	216		1199B	M4-M16	2.900		200	
1460 BI	KK084321	8	390	216		1199B	M4-M16	2.900		200	
1464 D	KK073091	4,5	283	145		1199D		830		500	
1464 I	KK073092	4,5	283	145		1199D		830		500	
1710 D CA	KK073227-Nº15	8	165	410		1199B	M12	2.620		500	50
1710 I CA	KK073228-Nº15	8	165	410		1199B	M12	2.620		500	50
1712 D CA	KK073224-Nº15	8	825	540	200	1199B	M12	18.820			20
1712 I CA	KK073225-Nº15	8	825	540	200	1199B	M12	18.820			20
1829 D	KK053387	8	365	100		1199B	M12	1.900	12	432	
1829 I	KK063388	8	365	100		1199B	M12	1.900	12	432	
1834 D BO	KK073290-Nº9	8	980	440	280	1199B	M12	20.700			
1834 I BO	KK073291-Nº9	8	980	440	280	1199B	M12	20.700			
1834 D T	Nº9	8	980	440	280	1199B	M12	15.750			18
1834 I T	Nº9	8	980	440	280	1199B	M12	15.750			18
1834 D PROTECTOR		7	217	363		1199B	M12	2.670		330	50
1834 I PROTECTOR		7	217	363		1199B	M12	2.670		330	50
1849 D	KK073230-Nº19	8	160	325		1199B	M12	1.800		400	
1849 I	KK073231-Nº19	8	160	325		1199B	M12	1.800		400	
1849-12 D		12	160	325		1199B	M12	2.810		330	
1849-12 I		12	160	325		1199B	M12	2.810		330	
1857 D	KK073300	8	460	150		1199B	M12	3.285		150	
1857 I	KK073301	8	460	150		1199B	M12	3.285		150	
1860 D	KK073310	10	220	200		1199B	M12	2.150		300	
1860 I	KK073311	10	220	200		1199B	M12	2.150		300	
2319	KK063600A	12	240	70		1199D	M12	1.400		500	
2319-A1	KK073614	12	145	80		1199C	M14	1.000		800	
2327	KK073608	11	566	170		1199C	M14	5.250		150	
2327-A	KK073608	11	566	170		1199C	M14	5.200	50	150	50
2327 PROTECTOR		12	566	90		1199C	M14	4.200		200	
2328	KK073609	11	746	170		1199C	M14	7.900		100	
2328-A	KK073609	11	746	170		1199C	M14	7.850		100	50
2328 PROTECTOR		12	746	90		1199C	M14	5.750		150	
2357	KK063601A	12	214	180		1199D	M16	3.150		300	

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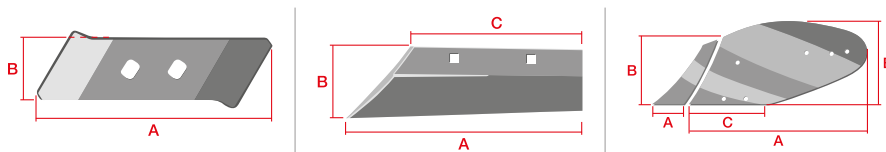
Ref.	Original Ref.	— —	A	B	C	⚙️	M	Grs.	📦	📏	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100		500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100		500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345		500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345		500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675		500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675		500	
1374-14 D CG	KK073002	11	501	142	370	1199C	M14	4.700		150	
1374-14 I CG	KK073003	11	501	142	370	1199C	M14	4.700		150	
1374-16 D CG	KK073004	11	563	142	370	1199C	M14	5.300		150	
1374-16 I CG	KK073005	11	563	142	370	1199C	M14	5.300		150	
1374-18 D CG	KK073006	11	641	142	450	1199C	M14	6.300		125	
1374-18 I CG	KK073007	11	641	142	450	1199C	M14	6.300		125	
1459 D	KK073615	10	114	200		1199C	M14	2.700		150	100
1459 I	KK073616	10	114	200		1199C	M14	2.700		150	100
1460 D	KK073088	10	357	240		1199B	M16	3.450		200	
1460 I	KK073089	10	357	240		1199B	M16	3.450		200	
1460 BD	KK084320	8	390	216		1199B	M4-M16	2.900		200	
1460 BI	KK084321	8	390	216		1199B	M4-M16	2.900		200	
1464 D	KK073091	4,5	283	145		1199D		830		500	
1464 I	KK073092	4,5	283	145		1199D		830		500	
1790-D BO	KK083228	8	1185	450	285	1199B	M12	24.390			14
1790-I BO	KK083229	8	1185	450	285	1199B	M12	24.390			14
1798 D BO	KK073250-Nº7,8,28	8	162	278		1199B	M12	1.500	12	648	
1798 I BO	KK073251-Nº7,8,28	8	162	278		1199B	M12	1.500	12	648	
1798-10 D CA	KK073250-Nº 7,8,28	10	162	275		1199B	M12	1.800		500	50
1798-10 I CA	KK073251-Nº7,8,28	10	162	275		1199B	M12	1.800		500	50
1798 D PROTECTOR		7	374	325		1199B	M12	3.600		150	
1798 I PROTECTOR		7	374	325		1199B	M12	3.600		150	
1829 D	KK053387	8	365	100		1199B	M12	1.900	12	432	
1829 I	KK063388	8	365	100		1199B	M12	1.900	12	432	
1860 D	KK073310	10	220	200		1199B	M12	2.150		300	
1860 I	KK073311	10	220	200		1199B	M12	2.150		300	
CA1875 D KV8	KKNº 6,7,8,9,28	10/12						11.600			
CA1875 I KV8	KKNº 6,7,8,9,28	10/12						11.600			
2319	KK063600A	12	240	70		1199D	M12	1.400		500	
2319-A1	KK073614	12	145	80		1199C	M14	1.000		800	
2327	KK073608	11	566	170		1199C	M14	5.250		150	
2327-A	KK073608	11	566	170		1199C	M14	5.200	50	150	50
2327 PROTECTOR		12	566	90		1199C	M14	4.200		200	
2328	KK073609	11	746	170		1199C	M14	7.900		100	
2328-A	KK073609	11	746	170		1199C	M14	7.850		100	50
2328 PROTECTOR		12	746	90		1199C	M14	5.750		150	

KVERNELAND 30



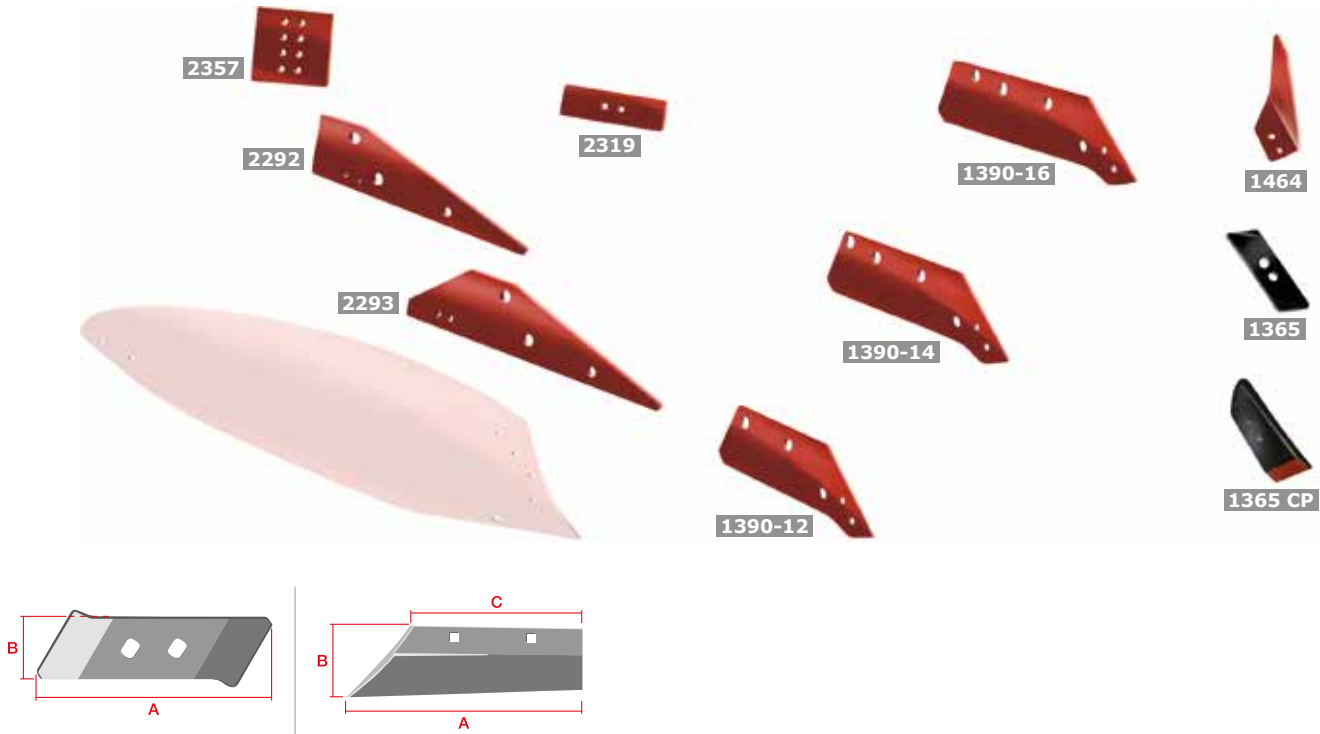
Ref.	Original Ref.	±	A	B	C	⚙	M	Gr.	📦	📏	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100		500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100		500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345		500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345		500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675		500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675		500	
1434-14 D	KK073054	11	484	144	370	1199C	M14	5.060		150	100
1434-14 I	KK073055	11	484	144	370	1199C	M14	5.060		150	100
1434-16 D	KK073056	11	549	144	380	1199C	M14	5.260		150	
1434-16 I	KK073057	11	549	144	380	1199C	M14	5.260		150	
1434-18 D	KK073080	11	635	145	465	1199C	M14	6.240		100	
1434-18 I	KK073081	11	635	145	465	1199C	M14	6.240		100	
1459 D	KK073615	10	114	200		1199C	M14	2.700		150	100
1459 I	KK073616	10	114	200		1199C	M14	2.700		150	100
1460 D	KK073088	10	357	240		1199B	M16	3.450		200	
1460 I	KK073089	10	357	240		1199B	M16	3.450		200	
1460 BD	KK084320	8	390	216		1199B	M4-M16	2.900		200	
1460 BI	KK084321	8	390	216		1199B	M4-M16	2.900		200	
1464 D	KK073091	4,5	283	145		1199D		830		500	
1464 I	KK073092	4,5	283	145		1199D		830		500	
1726-1 D	KK083211	12	880	110		1199B	M12	6.700		300	
1726-1 I	KK083221	12	880	110		1199B	M12	6.700		300	
1726-2 D	KK083212	12	956	60		1199B	M12	5.170		300	
1726-2 I	KK083222	12	956	60		1199B	M12	5.170		300	
1726-3 D	KK083213	12	785	60		1199B	M12	4.270		300	
1726-3 I	KK083223	12	785	60		1199B	M12	4.270		300	
1726-4 D	KK083214	12	535	115		1199B	M12	3.630		300	
1726-4 I	KK083224	12	535	115		1199B	M12	3.630		300	
1726P-12	KK083215							300		2.000	
1726P-23	KK083216							300		2.000	
1726P-34	KK083217							300		2.000	
1727 D	KK073230R	8	165	335		1199B	M12	1.790		300	50
1727 I	KK073231R	8	165	335		1199B	M12	1.790		300	50
1857 D	KK073300	8	460	150		1199B	M12	3.285		150	
1857 I	KK073301	8	460	150		1199B	M12	3.285		150	
1860 D	KK073310	10	220	200		1199B	M12	2.150		300	
1860 I	KK073311	10	220	200		1199B	M12	2.150		300	
2319	KK063600A	12	240	70		1199D	M12	1.400		500	
2319-A1	KK073614	12	145	80		1199C	M14	1.000		800	
2327	KK073608	11	566	170		1199C	M14	5.250		150	
2327-A	KK073608	11	566	170		1199C	M14	5.200	50	150	50
2327 PROTECTOR		12	566	90		1199C	M14	4.200		200	
2328	KK073609	11	746	170		1199C	M14	7.900		100	
2328-A	KK073609	11	746	170		1199C	M14	7.850		100	50
2328 PROTECTOR		12	746	90		1199C	M14	5.750		150	
2357	KK063601A	12	214	180		1199D	M16	3.150		300	

KVERNELAND ECOMAT



Ref.	Original Ref.	— —	A	B	C	⚙	M	Grs.	🌀	F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100	500	
1365-I CP DURATOP	KK063090	20	230	70	40	1199D	M12	2.100	500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345	500	
1365 I CG	KK063090	12	258,5	65		1199D	M12	1.345	500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675	500	
1365-15 I CA CG	KK063090	15	258,5	65		1199D	M12	1.675	500	
1460 BD	KK084320	8	390	216		1199B	M4-M16	2.900	200	
1460 BI	KK084321	8	390	216		1199B	M4-M16	2.900	200	
1374-14 D CG	KK073002	11	501	142	370	1199C	M14	4.700	150	
1374-14 I CG	KK073003	11	501	142	370	1199C	M14	4.700	150	
1374-16 D CG	KK073004	11	563	142	370	1199C	M14	5.300	150	
1374-16 I CG	KK073005	11	563	142	370	1199C	M14	5.300	150	
1374-18 D CG	KK073006	11	641	142	450	1199C	M14	6.300	125	
1374-18 I CG	KK073007	11	641	142	450	1199C	M14	6.300	125	
1742 D CA6 AGUJ	KK084243	6	725	341	427			8.850	100	
1742 I CA6 AGUJ	KK084244	6	725	341	427			8.850	100	
1742 D CA7 AGUJ	KK084243	6	725	341	427			8.850	100	
1742 I CA7 AGUJ	KK084244	6	725	341	427			8.850	100	
2381	KK084234	12	174	90	110	1199C	M14	1.500	500	50

KVERNELAND HYDREIN



Ref.	Original Ref.	→ ←	A	B	C		M	Grs.		F
1365-D CP DURATOP	KK053090	20	230	70	40	1199D	M12	2.100	500	
1365 D CG	KK053090	12	258,5	65		1199D	M12	1.345	500	
1365-15 D CA CG	KK053090	15	258,5	65		1199D	M12	1.675	500	
1390-12 D	KK053085	11	432	144	280	1199D	M13	4.100	125	
1390-14 D	KK053087	11	500	142	350	1199D	M13	5.000	125	
1390-16 D	KK053088	11	572,5	140	400	1199D	M13	5.350	125	
1464 D	KK073091	4,5	283	145		1199D		830	500	
2319	KK063600A	12	240	70		1199D	M12	1.400	500	
2357	KK063601A	12	214	180		1199D	M16	3.150	300	
2292 D	KK053684	11	550	170		1199A	M16	5.170	150	50
2293 D	KK053683	11	735	70		1199A	M16	6.930	125	50

1 PLANTERS AND SEED DRILL

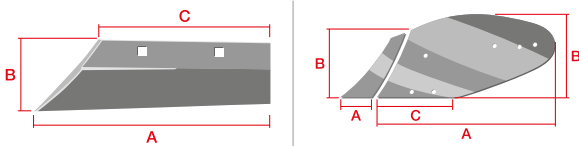
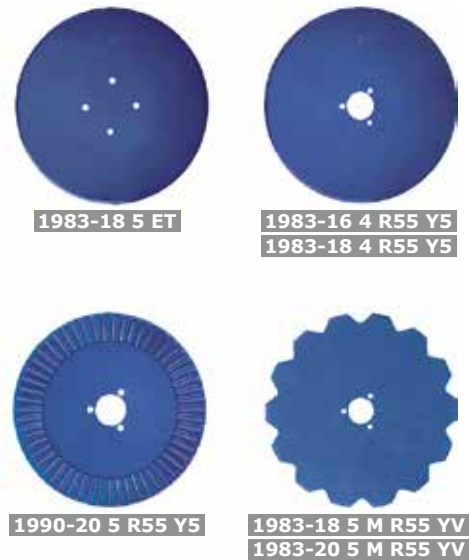
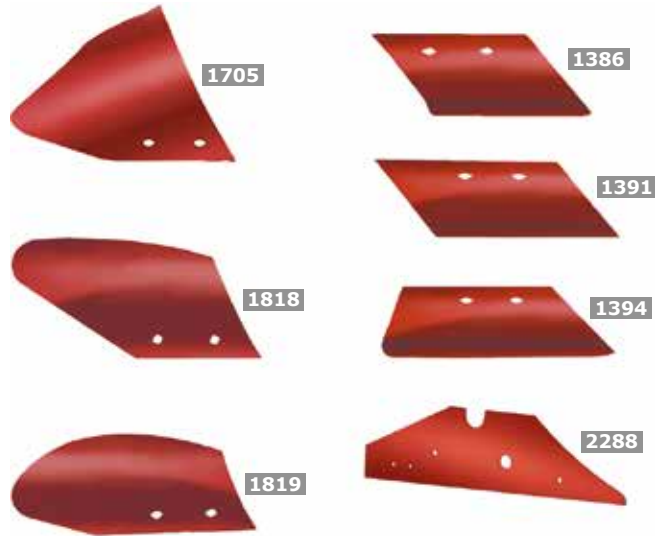
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

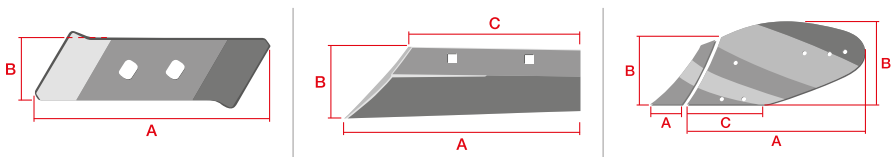
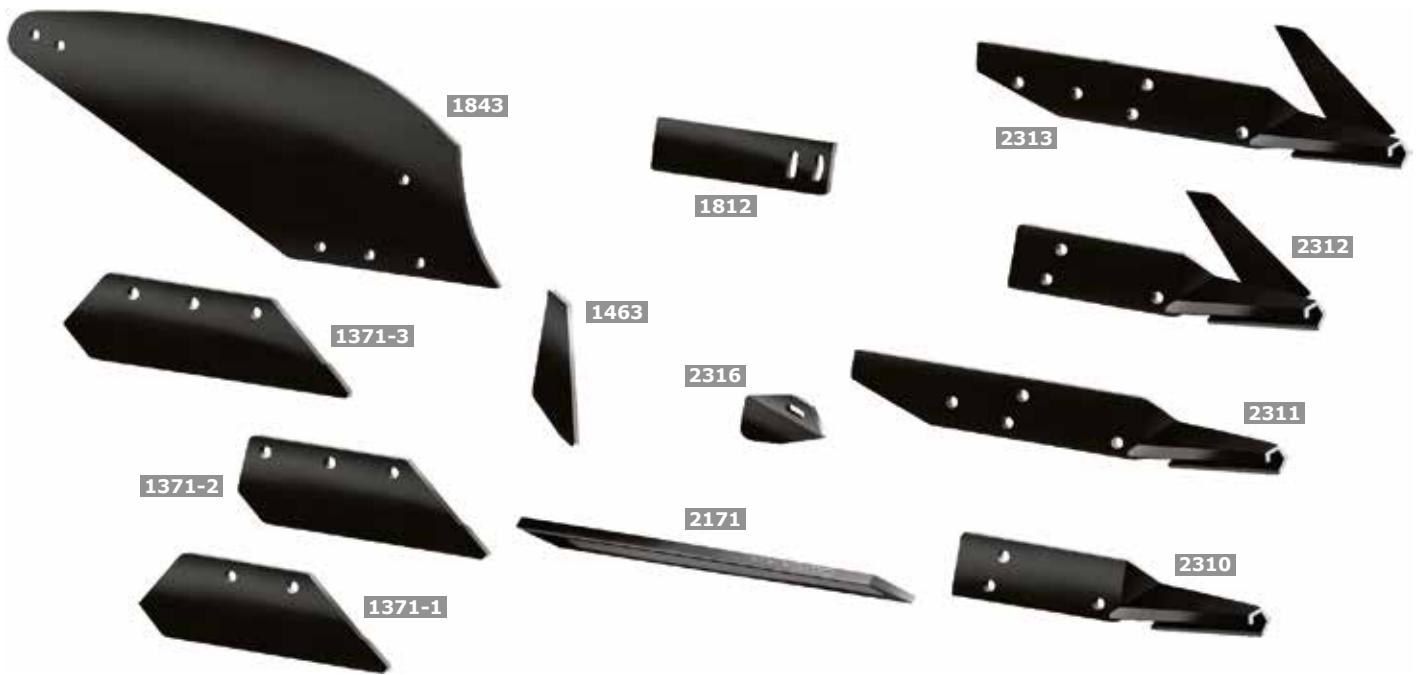
5 PLOUGH

KVERNELAND



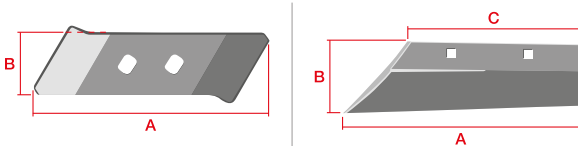
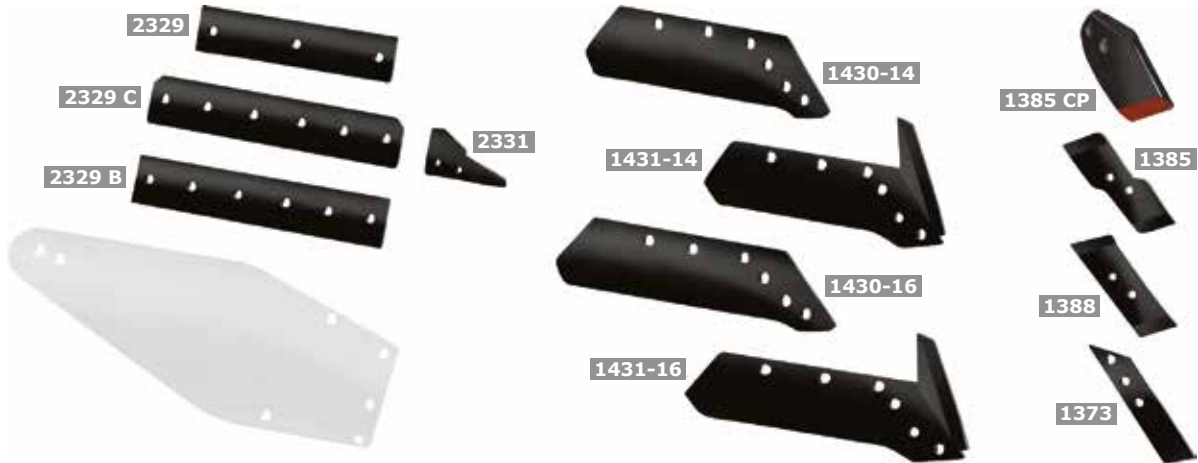
Ref.	Original Ref.	— —	A	B	C		M	Grs.			F
1386 D	KK056873	8.5	190	100	190	1199B	M10	1.050		500	
1386 I	KK066873	8,5	190	100	190	1199B	M10	1.050		500	
1391 D	KK056852	8	242	100	240	1199B	M10	1.000		400	100
1394 D	KK066868	8	330	100	210	1199B	M10	1.550		350	
1394 I	KK066869	8	330	100	210	1199B	M10	1.550		350	
1394	KK066868 / 0066869	8	350	100	172	1199B	M10	1.500		350	100
1705 D	KK076812	5	369	285	214	1199B	M10	3.000		150	
1705 I	KK076813	5	369	285	214	1199B	M10	3.000		150	
1818 D	KK066878	4	360	175		1199A	M10	1.380	12	648	
1818 I	KK066879	4	360	175		1199A	M10	1.380	12	648	
1819 D	KK066880	4	360	155		1199B	M10	1.340	12	648	
1819 I	KK066881	4	360	155		1199B	M10	1.340	12	648	
1983-16 4 R55 Y5	KK056111	4	423					4.300		50	16
1983-18 5 R55 Y5	KK056112	5	457					6.400		50	16
1990-20 5 R55 Y5	KK056114	5	508					7.900		100	16
1983-18 5 M R55 YV	KK056115	5	457					5.360		100	16
1983-20 5 M R55 YV	KK056116	5	508					6.770		100	16
1983-18 5 ET	KK076406	5	457					5.840		100	16
2288 D CA2	KK073600/073610	11	620	170		1199C	M14	6.400		150	50
2288 I CA2	KK073601/073611	11	620	170		1199C	M14	6.400		150	50
2293 D	KK053683	11	735	70		1199A	M16	6.930		125	50

KUHN 28



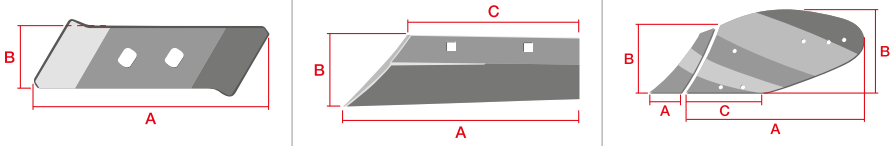
Ref.	Original Ref.		A	B	C		M	Grs.			F	Part number
1371-1 D	625034	11	452	155	225	1199B	M14	3.500		200	100	
1371-1 I	625035	11	452	155	225	1199B	M14	3.500		200	100	
1371-2 D	625036/625100	11	452	155	285	1199B	M14	3.750		200	100	
1371-2 I	625037/625101	11	452	155	285	1199B	M14	3.750		200	100	
1371-3 D	625030/625102	11	525	155	305	1199B	M14	4.100		200		
1371-3 I	625031/625103	11	525	155	305	1199B	M14	4.100		200		
1463	270060	12	137	90				900		750		
1812	648005	8	320	100				1.700	12	432	50	
1843-1 D	610034	7	839	348	385	1199B	M12	10.550			33	American model Y2
1843-1 I	610035	7	839	348	385	1199B	M12	10.550			33	American model Y2
2171 28x28	460022	28	725	28				3.300		250		
2310 D	279006	10	300	110		1199B	M12	4.800		100		Short without knife cutter B,K,X
2310 I	279007	10	300	110		1199B	M12	4.800		100		Short without knife cutter B,K,X
2311 D	279008	10	525	110		1199B	M12	6.300		75		Long without knife cutter B,K,X
2311 I	279009	10	525	110		1199B	M12	6.300		75		Long without knife cutter B,K,X
2312 D	549006	10	300	110		1199B	M12	5.700		75	50	Short with knife cutter B,K,X
2312 I	549007	10	300	110		1199B	M12	5.700		75	50	Short with knife cutter B,K,X
2313 D	549008	10	525	110		1199B	M12	7.200		60	50	Largo con alerón B, K,X
2313 I	549009	10	525	110		1199B	M12	7.200		60	50	Long with knife cutter B,K,X
2316 D	763008							2.100		300		Not reinforced
2316 I	763009							2.100		300		Not reinforced

KUHN HELICOIDAL



Ref.	Original Ref.	→ ←	A	B	C		M	Grs.		F	Part number
1373 D	622010	12	330	70		1199B	M14	1.800	350	100	
1373 I	622011	12	330	70		1199B	M14	1.800	350	100	
1383-16 D L CA	622212	12	671	158	395	1199B	M14	6.200	100	100	L Type
1383-16 I L CA	622213	12	671	158	395	1199B	M14	6.200	100	100	L Type
1385 D	622128 MARATHON	12	300	85		1199D	M12	1.850	300		
1385 I	622129 MARATHON	12	300	85		1199D	M12	1.850	300		
1388 D	622180	10	305	85		1199D	M12	1.850	300		
1388 I	622181	10	305	85		1199D	M12	1.850	300		
1430-14 D	622166	12	570	173	375	1199B	M14	5.300	125	100	H Type
1430-14 I	622167	12	570	173	375	1199B	M14	5.300	125	100	H Type
1430-16 D	622172	12	654	173	450	1199B	M14	5.700	100		H Type
1430-16 I	622173	12	654	173	450	1199B	M14	5.700	100		H Type
1430-B-14 D	622232	12	570	173	375	1199B	M14	5.300	125	100	
1430-B-14 I	622233	12	570	173	375	1199B	M14	5.300	125	100	
1430-B-16 D	622234	12	654	173	450	1199B	M14	5.700	100	100	
1430-B-16 I	622235	12	654	173	450	1199B	M14	5.700	100	100	
1431-14 D	581140	12	570	173	375	1199B	M14	6.200	80	100	H Type
1431-14 I	581141	12	570	173	375	1199B	M14	6.200	80	100	H Type
1431-16 D	581416	12	654	173	450	1199B	M14	6.600	80	100	H Type
1431-16 I	581417	12	654	173	450	1199B	M14	6.600	80	100	H Type
1431-B-14 D	583890	12	570	173	375	1199B	M14	6.200	80	100	
1431-B-14 I	583891	12	570	173	375	1199B	M14	6.200	80	100	
1431-B-16 D	583892	12	654	173	450	1199B	M14	6.600	80	100	
1431-B-16 I	583893	12	654	173	450	1199B	M14	6.600	80	100	
1719-D	619172	8	283	322		1199B	M12	2.860	250		
1719-I	619173	8	283	322		1199B	M12	2.860	250		
1719-D PROTECTOR		8	500	354		1199B	M12	5.690	150		
1719-I PROTECTOR		8	500	354		1199B	M12	5.690	150		
1735 D	616242	7	1030	470	238	1199B	M12	18.700		22	
1735 I	616243	7	1030	470	238	1199B	M12	18.700		22	
1736 D	619178	7	270	282		1199B	M12	2.100		50	
1736 I	619179	7	270	282		1199B	M12	2.100		50	
2329	223122	10	452	110		1199D	M12	3.850	200		Reversible
2329 B	761108	10	550	110		1199D	M12	4.650	200		Reversible
2329 C	279140	10	550	130		1199D	M12	5.500	200		Reversible
2331 D	223120	10	195	110		1199D	M12	950	500	50	H4 Type
2331 I	223121	10	195	110		1199D	M12	950	500	50	H4 Type
2375 D	761110	10	155	108		1199D	M12	825	1.000	50	L Type
2375 I	761111	10	155	108		1199D	M12	825	1.000	50	L Type
2383 D	761216	10	165	105		1199D	M12	900	1.000	50	SK Type
2383 I	761217	10	165	105		1199D	M12	900	1.000	50	SK Type

KUHN LOSANGE



Ref.	Original Ref.	— —	A	B	C		M	Grs.			F	Part number
1384-14 D	622140	12	587	158	395	1199B	M14	5.500		100		
1384-14 I	622141	12	587	158	395	1199B	M14	5.500		100		
1384-16 D	622142	12	671	158	395	1199B	M14	6.200		100		
1384-16 I	622143	12	671	158	395	1199B	M14	6.200		100		
1385 D	622128 MARATHON	12	300	85		1199D	M12	1.850		300		
1385 I	622129 MARATHON	12	300	85		1199D	M12	1.850		300		
1385 D CP DURATOP	622164 SUPER MARATHON	22				1199D	M12	2.400		450		
1385 I CP DURATOP	622165 SUPER MARATHON	22				1199D	M12	2.400		450		
1388 D	622180	10	305	85		1199D	M12	1.850		300		
1388 I	622181	10	305	85		1199D	M12	1.850		300		
1800 D	619038	10	270	220		1199B	M12	2.180	6	462		R/RS/RH Type
1800 I	619039	10	270	220		1199B	M12	2.180	6	462		R/RS/RH Type
1811 D BO	616092/616104	7	930	375	380	1199B	M12	15.500			18	Tipo RS/RL
1811 I BO	616093/616105	7	930	375	380	1199B	M12	15.500			18	Tipo RS/RL
1812	648005	8	320	100				1.700	12	432	50	
2314 D	279028	12	225	70		1199B	M12	1.160		600		
2314 I	279029	12	225	70		1199B	M12	1.160		600		
2315 D	279030	12	650	70		1199B	M12	3.850		200		AR type long
2315 I	279031	12	650	70		1199B	M12	3.850		200		AR type long
2317	226104 / 226100	8	360	210		1199B	M12	4.500		200		
2330	200645	10	305	110		1199B	M12	2.500		250	50	
2364 A	279152	12	372	70		1199B	M12	2.380		400	50	Reversible
2365 D	279150	12	150	70		1199B	M12	690		1.200	50	Losange
2365 I	279151	12	150	70		1199B	M12	690		1.200	50	Losange
2366 D	761106	10	158	110		1199B	M12	880		1.200	50	HB/HC Type
2366 I	761107	10	158	110		1199B	M12	880		1.200	50	HB/HC Type
2367 D	279142	10	195	110		1199B	M14	1.140		1.000	50	BL Type
2367 I	279143	10	195	110		1199B	M14	1.140		1.000	50	

KUHN CLASSIC

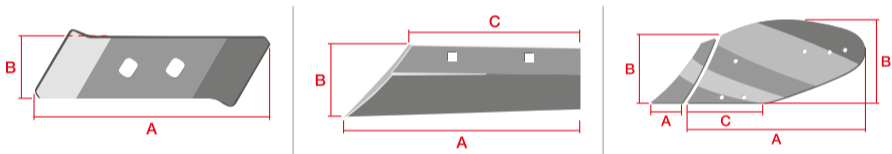
1 PLANTERS AND SEED DRILL

2 CURVED SUBSOILER

3 CULTIVATOR

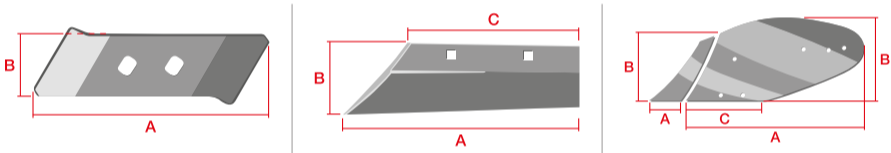
4 DISC HARROW

5 PLOUGH



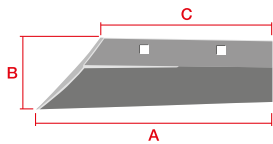
Ref.	Original Ref.	— —	A	B	C	⚙	M	Grs.	📦	📦	F	Part number
1362-3 D	620088	12	618	140	395	1199B	M14	5.350		100		Without knife cutter
1362-3 I	620089	12	618	140	395	1199B	M14	5.350		100		Without knife cutter
1362-2A D CA2	620090	12	543	141	305	1199B	M14	4.780		100		Without knife cutter
1362-2A I CA2	620091	12	543	141	305	1199B	M14	4.780		100		Without knife cutter
1383-14 D	622134	12	587	158	395	1199B	M14	5.500		100		Without knife cutter
1383-14 I	622135	12	587	158	395	1199B	M14	5.500		100		Without knife cutter
1383-16 D	622136	12	671	158	395	1199B	M14	6.200		100		Without knife cutter
1383-16 I	622137	12	671	158	395	1199B	M14	6.200		100		Without knife cutter
1385 D	622128 MARATHON	12	300	85		1199D	M12	1.850		300		
1385 I	622129 MARATHON	12	300	85		1199D	M12	1.850		300		
1385 D CP DURATOP	622164 SUPER MARATHON	22				1199D	M12	2.400		450		
1385 I CP DURATOP	622165 SUPER MARATHON	22				1199D	M12	2.400		450		
1388 D	622180	10	305	85		1199D	M12	1.850		300		
1388 I	622181	10	305	85		1199D	M12	1.850		300		
1393-14 D	580884	12	587	158	395	1199B	M14	5.500		80		With knife cutter
1393-14 I	580885	12	587	158	395	1199B	M14	5.500		80		With knife cutter
1393-16 D	580886	12	671	158	395	1199B	M14	6.200		80		
1393-16 I	580887	12	671	158	395	1199B	M14	6.200		80		
1463	270060	12	137	90				900		750		
1812	648005	8	320	100				1.700	12	432	50	
1843-1 D	610034	7	839	348	385	1199B	M12	10.550			33	American model Y2
1843-1 I	610035	7	839	348	385	1199B	M12	10.550			33	American model Y2
1843-2 D CA1	610032	7	941	398	385	1199B	M12	13.250			21	Modelo maericano Y2
1843-2 I CA1	610033	7	941	398	385	1199B	M12	13.250			21	American model Y2
1879 D CA	616190	7	810	400	195	1199B	M12	12.559				Cilíndrica Helicoidal N4
1879 I CA	616191	7	810	400	195	1199B	M12	12.559				Cilíndrica Helicoidal N4
1871 D CA	619068	7	193	260		1199B	M12	1.300		500		Cylindrical long P4
1871 I CA	619069	7	193	260		1199B	M12	1.300		500		Cylindrical long P4
1881 D CA	619200	7	196	286		1199B	M12	1.400		500		Helicoidal-Cylindric N4
1881 I CA	619201	7	196	286		1199B	M12	1.400		500		Cilíndrica Helicoidal N4
1883 D CA	616074	7	882	438	187	1199B	M12	11.858				Cylindrical long P4
1883 I CA	616075	7	882	438	187	1199B	M12	11.858				Cylindrical long P4
2316 D	763008							2.100		300		Not reinforced
2316 I	763009							2.100		300		Not reinforced
2329	223122	10	452	110		1199D	M12	3.850		200		Reversible
2329 B	761108	10	550	110		1199D	M12	4.650		200		Reversible
2329 C	279140	10	550	130		1199D	M12	5.500		200		Reversible
2346 D	279138	10	155	76		1199D	M12	900		600		Classic
2346 I	279139	10	155	76		1199D	M12	900		600		Classic
2286-A	278074/75	10	420	110		1199B	M12	2.870		200		Tipo AV corto
2287-A	278076/77	10	653	110		1199B	M12	4.600		200		AR type long

KUHN CLASSIC V



Ref.	Original Ref.	— —	A	B	C	⚡	M	Grs.	🌀	F	Part number
1385 D	622128 MARATHON	12	300	85		1199D	M12	1.850	300		
1385 I	622129 MARATHON	12	300	85		1199D	M12	1.850	300		
1385 D CP DURATOP	622164 SUPER MARATHON	22				1199D	M12	2.400	450		
1385 I CP DURATOP	622165 SUPER MARATHON	22				1199D	M12	2.400	450		
1383-14 D	622134	12	587	158	395	1199B	M14	5.500	100		Without knife cutter
1383-14 I	622135	12	587	158	395	1199B	M14	5.500	100		Without knife cutter
1383-16 D	622136	12	671	158	395	1199B	M14	6.200	100		Without knife cutter
1383-16 I	622137	12	671	158	395	1199B	M14	6.200	100		Without knife cutter
1393-14 D	580884	12	587	158	395	1199B	M14	5.500	80		With knife cutter
1393-14 I	580885	12	587	158	395	1199B	M14	5.500	80		With knife cutter
1393-16 D	580886	12	671	158	395	1199B	M14	6.200	80		
1393-16 I	580887	12	671	158	395	1199B	M14	6.200	80		
1733-1 D	H0404650 / 617100	10	868	60		1199B	M12	3.660			
1733-1 I	H0404660 / 617101	10	868	60		1199B	M12	3.660			
1733-2 D	H0404670 / 617102	10	955	60		1199B	M12	4.360			
1733-2 I	H0404680 / 617103	10	955	60		1199B	M12	4.360			
1733-3 D	H0404690 / 617104	10	762	60		1199B	M12	3.420			
1733-3 I	H0404700 / 617105	10	762	60		1199B	M12	3.420			
1733-4 D	H0404710 / 617106	10	569	102		1199B	M12	3.130			
1733-4 I	H0404720 / 617107	10	569	102		1199B	M12	3.130			
1734 D	619060	7	198	251		1199B	M12	1.360			
1734 I	619061	7	198	251		1199B	M12	1.360			
1735 D	616242	7	1030	470	238	1199B	M12	18.700		22	
1735 I	616243	7	1030	470	238	1199B	M12	18.700		22	
1736 D	619178	7	270	282		1199B	M12	2.100		50	
1736 I	619179	7	270	282		1199B	M12	2.100		50	
1738-1-D	H0403180	10	558	125		1199B	M12	3.850	200		
1738-1-I	H0403190	10	558	125		1199B	M12	3.850	200		
1738-2-D	H0403200	10	770	83		1199B	M12	4.100	100		
1738-2-I	H0403210	10	770	83		1199B	M12	4.100	100		
1738-3-D	H0403220	10	955	85		1199B	M12	4.600	100		
1738-3-I	H0403230	10	955	85		1199B	M12	4.600	100		
1738-4-D	H0403240	10	995	148		1199B	M12	6.400	100		
1738-4-I	H0403250	10	995	148		1199B	M12	6.400	100		
1739-D	H0403520	7	238	304		1199B	M12	2.250	250		
1739-I	H9403530	7	238	304		1199B	M12	2.250	250		
2329 B	761108	10	550	110		1199D	M12	4.650	200		Reversible
2329 C	279140	10	550	130		1199D	M12	5.500	200		Reversible
2375 D	761110	10	155	108		1199D	M12	825	1.000	50	L Type
2375 I	761111	10	155	108		1199D	M12	825	1.000	50	L Type
2383 D	761216	10	165	105		1199D	M12	900	1.000	50	SK Type
2383 I	761217	10	165	105		1199D	M12	900	1.000	50	SK Type

KUHN ZD, ZU, ZF



Ref.	Original Ref.	→ ←	A	B	C	⚙	M	Grs.	📦	📏	F	Part number
1331 D CA1	631016	8	208	75	155	1199B	M10	1.000	📦	600	100	
1331 I CA1	631017	8	208	75	155	1199B	M10	1.000	📦	600	100	
1377 D	631018	7	175	77	175	1199B	M10	840	📦	600		
1377 I	631019	7	175	77	175	1199B	M10	840	📦	600		
1372 D	631030	8	285	81	190	1199B	M12	1.300	📦	600		
1372 I	631031	8	285	81	190	1199B	M12	1.300	📦	600		
1376 D	632002	9	142	72	98	1199B	M10	470	📦	1.200	100	ZF Type
1376 I	632003	9	142	72	98	1199B	M10	470	📦	1.200	100	ZF Type
1432 D	631104	10	336	105	210	1199B	M12	2.100	📦	400		
1432 I	631105	10	336	105	210	1199B	M12	2.100	📦	400		
1432 B	631112	10	350	105	172	1199B	M12	2.115	📦	400	100	Reversible ZXL
1433 D	631100	10	270	107	180	1199B	M12	1.400	📦	500		ZXE-ZRE Type
1433 I	631101	10	270	107	180	1199B	M12	1.400	📦	500		
1737 D	619132	6	327	384	124	1199B	M12	3.990	📦	200		
1737 I	619133	6	327	384	124	1199B	M12	3.990	📦	200		
1809 D	618000	5	283	118		1199B	M10	850	12	600	50	
1809 I	618001	5	283	118		1199B	M10	850	12	600	50	

1 PLANTERS AND SEED DRILL

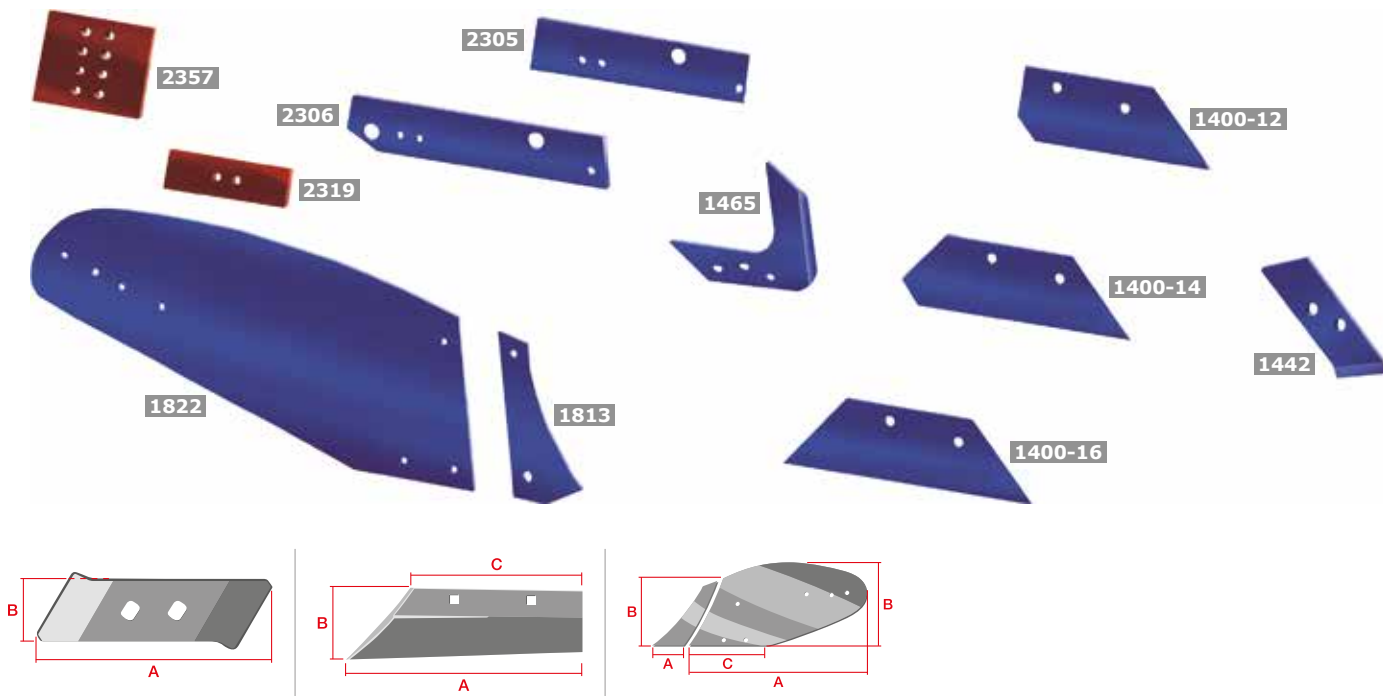
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

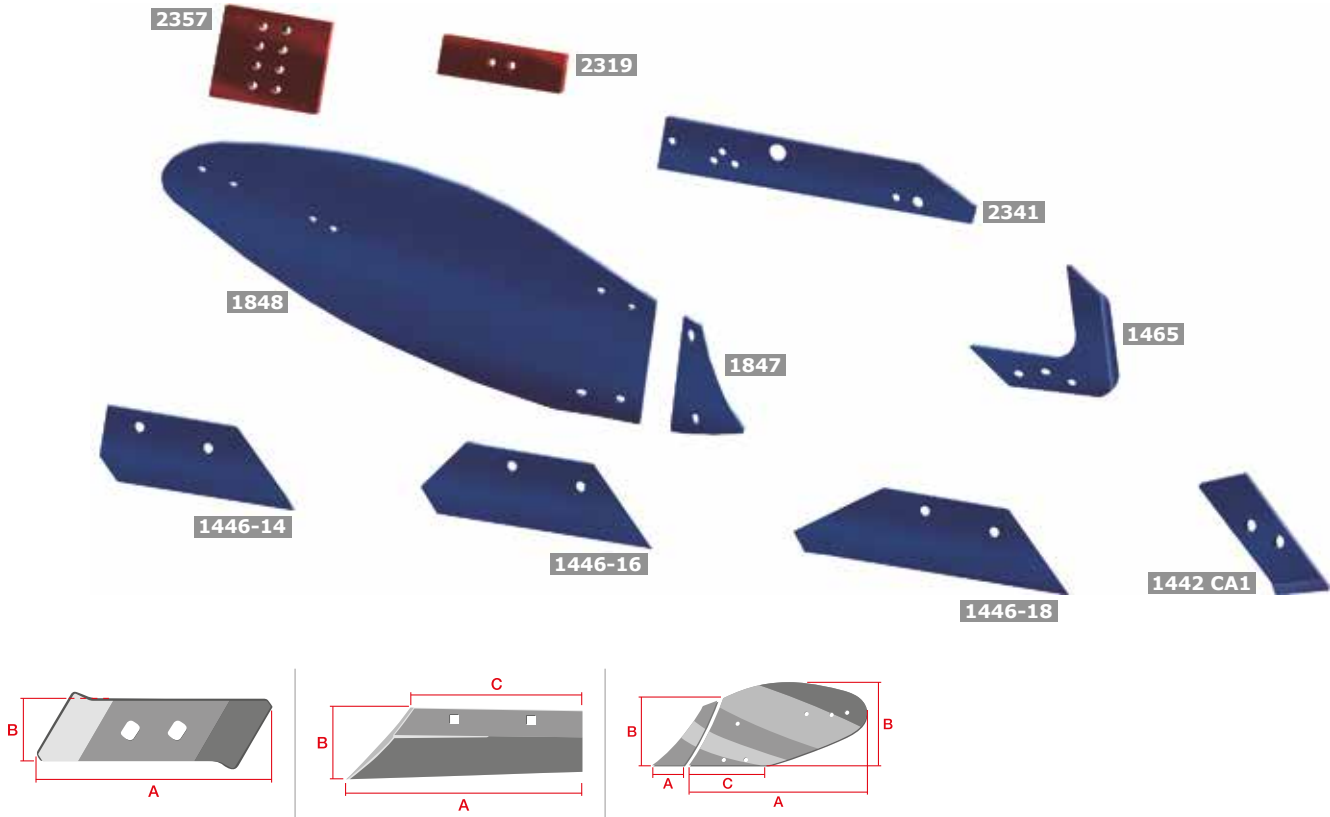
5 PLOUGH

OVERUM V, UC



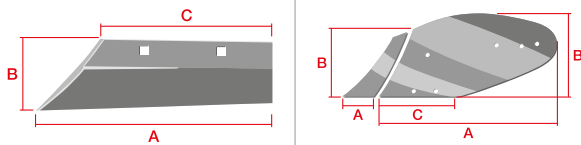
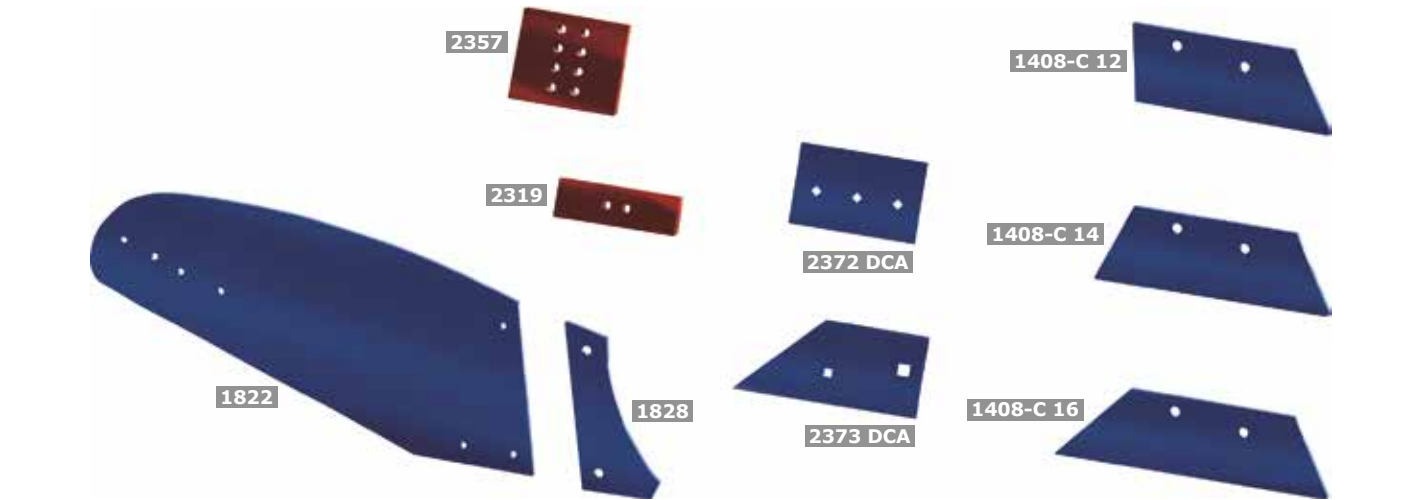
Ref.	Original Ref.	↔	A	B	C	⚙	M	Gr.	📦	🔧	F
1400-C 12 D	84069	9	405	150	255	1199B	M12	3.300		200	100
1400-C 12 I	84078	9	405	150	255	1199B	M12	3.300		200	100
1400-C 14 D	85383	9	480	150	255	1199B	M12	3.700		200	
1400-C 14 I	85381	9	480	150	255	1199B	M12	3.700		200	
1400-C 16 D	85384	9	510	150	255	1199B	M12	3.800		200	
1400-C 16 I	85382	9	510	150	255	1199B	M12	3.800		200	
1442 D	84060	12	315	100		1199B	M12	2.100		450	
1442 I	85143	12	315	100		1199B	M12	2.100		450	
1465 D	94622	6	197	65		1199B	M14	1.250		400	
1465 I	94623	6	197	65		1199B	M14	1.250		400	
1813-A D	83980	8	145	345		1199B	M12	1.780	12	540	
1813-A I	84083	8	145	345		1199B	M12	1.780	12	540	
1822 D	85261	7	950	390		1199B	M12	14.600			
1822 I	85262	7	950	390		1199B	M12	14.600			
2305-A D	83981	12	425	100		1199B	M20	3.925		200	50
2305-A I	85196	12	425	100		1199B	M20	3.925		200	50
2306 D	85118	12	520	100		1199B	M12	4.700		200	50
2306 I	85197	12	520	100		1199B	M12	4.700		200	50
2319	063600A	12	240	70		1199D	M12	1.400		500	
2357	063601A	12	214	180		1199D	M12	3.150		300	

OVERUM XL



Ref.	Original Ref.	↔	A	B	C		M	Grs.		F
1442 D CA1	94608	12	315	100		1199B	M12	2.100	450	
1442 I CA1	94609	12	315	100		1199B	M12	2.100	450	
1446-14 D	94598	10,5	392	150	246	1199B	M12	2.950	250	100
1446-14 I	94599	10,5	392	150	246	1199B	M12	2.950	250	100
1446-16 D	94600	10,5	467	150	246	1199B	M12	3.425	200	
1446-16 I	94601	10,5	467	150	246	1199B	M12	3.425	200	
1446-18 D	94602	10,5	542	150	246	1199B	M12	3.800	200	
1446-18 I	94603	10,5	542	150	246	1199B	M12	3.800	200	
1465 D	94622	6	197	65		1199B	M14	1.250	400	
1465 I	94623	6	197	65		1199B	M14	1.250	400	
1847 D	94596	7	161	258		1199B	M12	1.190	300	
1847 I	94597	7	161	258		1199B	M12	1.190	300	
1848 D	94594	7	1022	421		1199B	M12	16.200		
1848 I	94595	7	1022	421		1199B	M12	16.200		
2319	063600A	12	240	70		1199D	M12	1.400	500	
2341 D	94604	12	620	100		1199B	M12	5.230	150	
2341 I	94605	12	620	100		1199B	M12	5.230	150	
2357	063601A	12	214	180		1199D	M12	3.150	300	

OVERUM SR



Ref.	Original Ref.	→ ←	A	B	C	⚙	M	Grs.	📦	📏	F
1408-C 14 D	74606	10	470	150	330	1199A	7/16"	4.400		200	
1408-C 16 D	74607	10	545	150	330	1199A	7/16"	4.750		200	
1822 D	85261	7	950	390		1199B	M12	14.600			
1828 D	80609	8	135	320		1199B	M12	1.825	12	540	
2319	063600A	12	240	70		1199D	M12	1.400		500	
2357	063601A	12	214	180		1199D	M12	3.150		300	
2372 DCA	74612	12	187	120		1199A	7/16"	2.100		500	50
2373 DCA	74602	12	275	120		1199A	7/16" / 3/4"	2.350		450	50

1 PLANTERS AND SEED DRILL

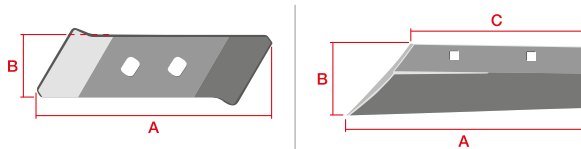
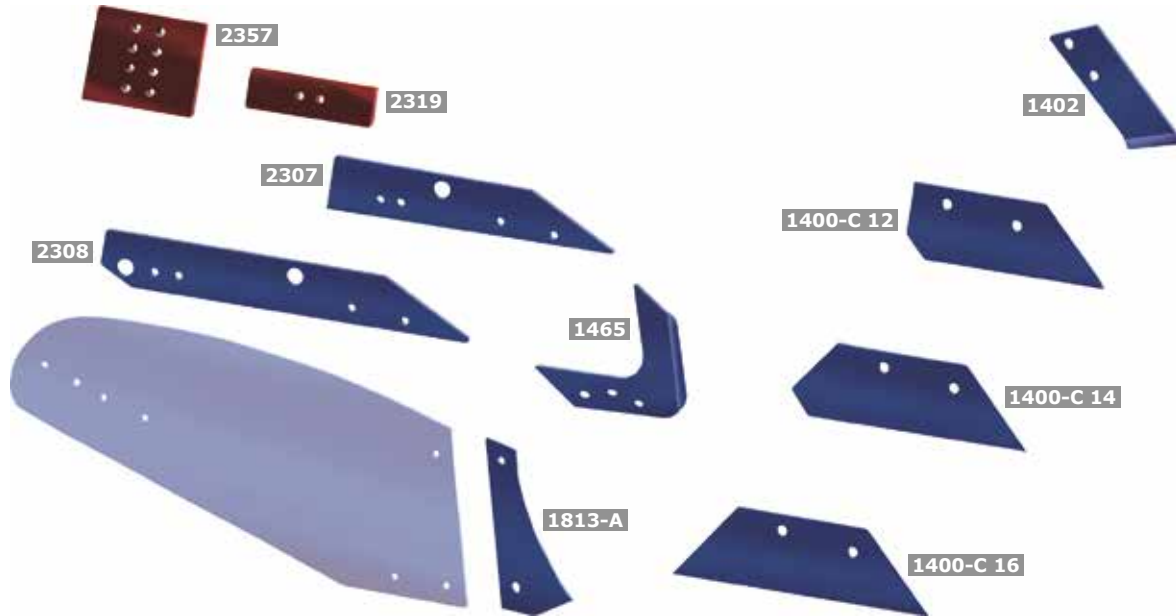
2 CURVED SUBSOILER

3 CULTIVATOR

4 DISC HARROW

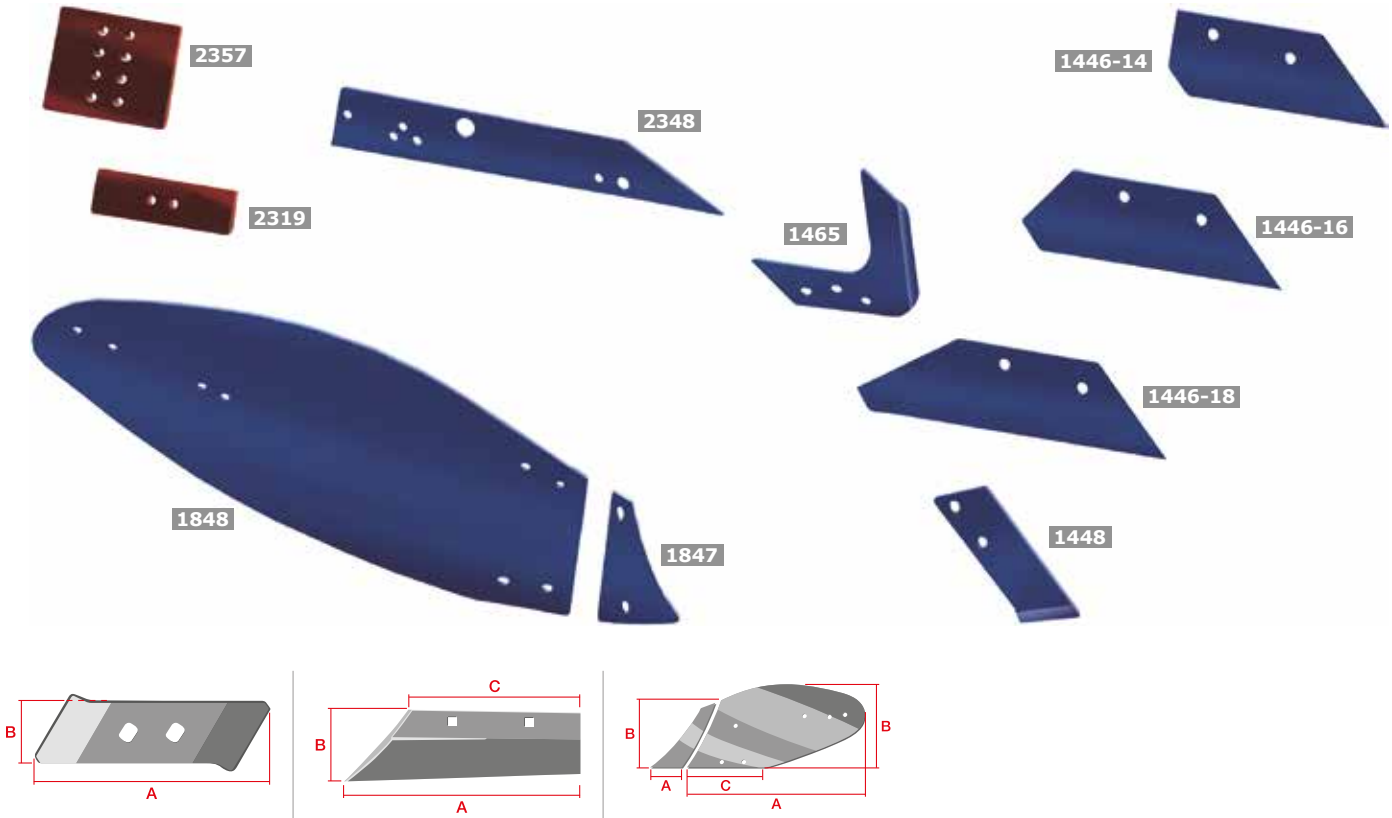
5 PLOUGH

FIKARS-AGROLUX FK



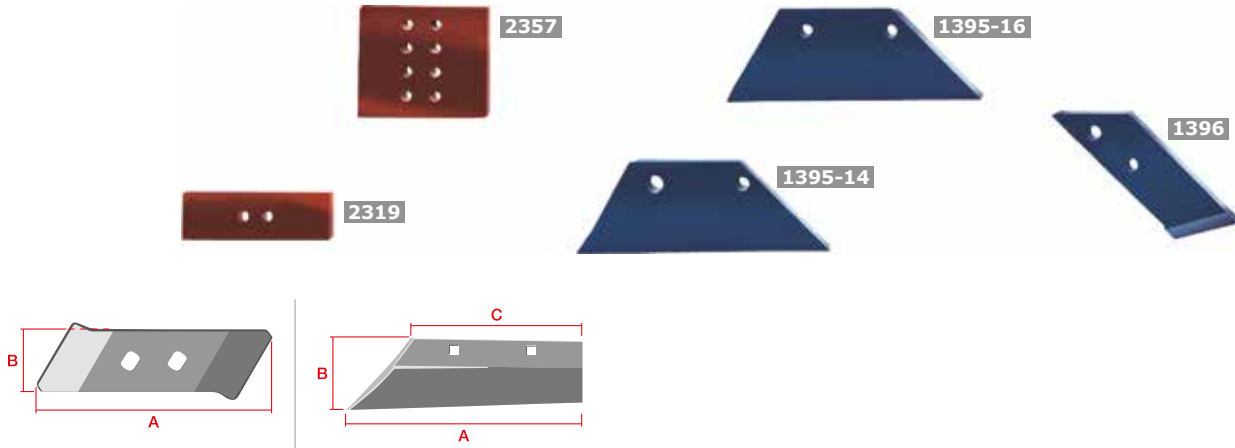
Ref.	Original Ref.	±	A	B	C	⚙	M	Grs.	🌀	F
1400-C 12 D	84069	10,5	405	150	255	1199B	M12	3.300	200	100
1400-C 12 I	84078	10,5	405	150	255	1199B	M12	3.300	200	100
1400-C 14 D	85383	10,5	480	150	255	1199B	M12	3.700	200	
1400-C 14 I	85381	10,5	480	150	255	1199B	M12	3.700	200	
1400-C 16 D	85384	10,5	510	150	255	1199B	M12	3.800	200	
1400-C 16 I	85382	10,5	510	150	255	1199B	M12	3.800	200	
1402 D	84942	12	325	85		1199B	M12	2.000	350	
1402 I	85204	12	325	85		1199B	M12	2.000	350	
1465 D	94622	6	197	65		1199B	M14	1.250	500	
1465 I	94623	6	197	65		1199B	M14	1.250	500	
1813-A D	83980	8	145	345		1199B	M12	1.780	540	
1813-A I	84083	8	145	345		1199B	M12	1.780	540	
2307 D	85675	12	570	100		1199B	M12	4.500	200	50
2307 I	86126	12	570	100		1199B	M12	4.500	200	50
2308 D	85799	12	732	100		1199B	M12	6.000	150	50
2308 I	86136	12	732	100		1199B	M12	6.000	150	50
2319	063600A	12	240	70		1199D	M12	1.400	500	
2357	063601A	12	214	180		1199D	M16	3.150	300	

FIKARS-AGROLUX AX



Ref.	Original Ref.	±	A	B	C		M	Gr.		F
1446-14 D	94598	10,5	392	150	246	1199B	M12	2.950	250	100
1446-14 I	94599	10,5	392	150	246	1199B	M12	2.950	250	100
1446-16 D	94600	10,5	467	150	246	1199B	M12	3.425	200	
1446-16 I	94601	10,5	467	150	246	1199B	M12	3.425	200	
1446-18 D	94602	10,5	542	150	246	1199B	M12	3.800	200	
1446-18 I	94603	10,5	542	150	246	1199B	M12	3.800	200	
1448 D	94610	12	275	85		1199B	M12	2.000	350	
1448 I	94611	12	275	85		1199B	M12	2.000	350	
1465 D	94622	6	197	65		1199B	M14	1.250	500	
1465 I	94623	6	197	65		1199B	M14	1.250	500	
1847 D	94596	7	161	258		1199B	M12	1.190	300	
1847 I	94597	7	161	258		1199B	M12	1.190	300	
1848 D	94594	7	1022	421		1199B	M12	16.200	1.000	
1848 I	94595	7	1022	421		1199B	M12	16.200	1.000	
2319	063600A	12	240	70		1199D	M12	1.400	500	
2348 D	94606	12	610	100		1199B	M12	4.950	150	
2348 I	94607	12	610	100		1199B	M12	4.950	150	
2357	063601A	12	214	180		1199D	M16	3.150	300	

FISKARS-AGROLUX KH



Ref.	Original Ref.		A	B	C		M	Grs.	
1395-14 D	95000683	8	398	155	180	1199B	M12	2.700	200
1395-16 D	95000684	8	425	155	180	1199B	M12	2.850	200
1396 D	95000675	12	300	100		1199B	M12	2.450	250
2319	063600A	12	240	70		1199D	M12	1.400	500
2357	063601A	12	214	180		1199D	M16	3.150	300

1
PLANTERS AND SEED DRILL

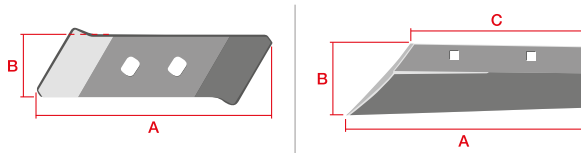
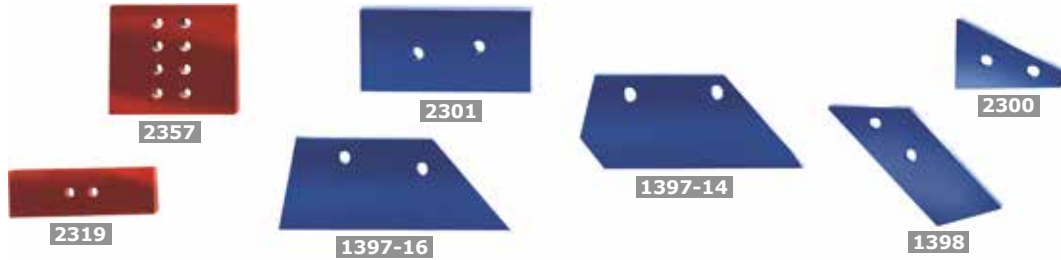
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

FISKARS-AGROLUX KHN



Ref.	Original Ref.	$\rightarrow \leftarrow$	A	B	C		M	Grs.		F
1397-14 D	95002561	8	383	155	220	1199B	M12	2.730	200	
1397-16 D	95002489	8	393	155	220	1199B	M12	2.800	200	
1397-16 I	95004120	8	393	155	220	1199B	M12	2.800	200	100
1398 D	95002490	12	340	100		1199B	M12	2.300	250	
1398 I	95004118	12	340	100		1199B	M12	2.300	250	100
2300 D	95003732	10	180	120		1199B	M12	1.000	600	50
2300 I	95004242	10	180	120		1199B	M12	1.000	600	50
2319	063600A	12	240	70		1199D	M12	1.400	500	
2357	063601A	12	214	180		1199D	M16	3.150	300	

1
PLANTERS AND SEED DRILL

2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

FIKARS-AGROLUX



1983 R81 F9



1983 R70 D4



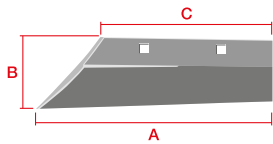
1990 R81 F9



1990 R70 D4



1407



Ref.	Original Ref.		A	B	C		M	Grs.		F
1407 D	91801	8	245	110	245	1199B	M12	1.360	500	
1407 I	91802	8	245	110	245	1199B	M12	1.360	500	
1983-18 5 R.81 F9	72547	5	457					6.400	50	16
1983-20 5 R.81 F9	80662	5	508					7.900	50	16
1990-20 4 R.81 F9	80663	4	508					6.300	50	16
1983-18 5 R.70 D4	95000837	5	457					6.400	50	16
1983-20 5 R.70 D4	95000474	5	508					7.900	50	16
1990-20 4 R.70 D4	95002753	4	508					6.300	50	16

1
PLANTERS AND SEED DRILL

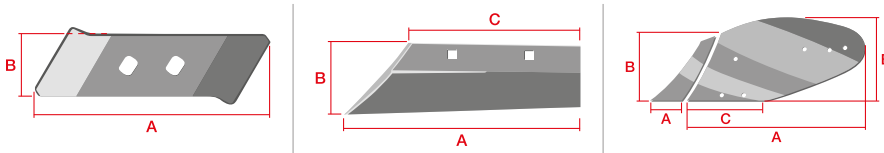
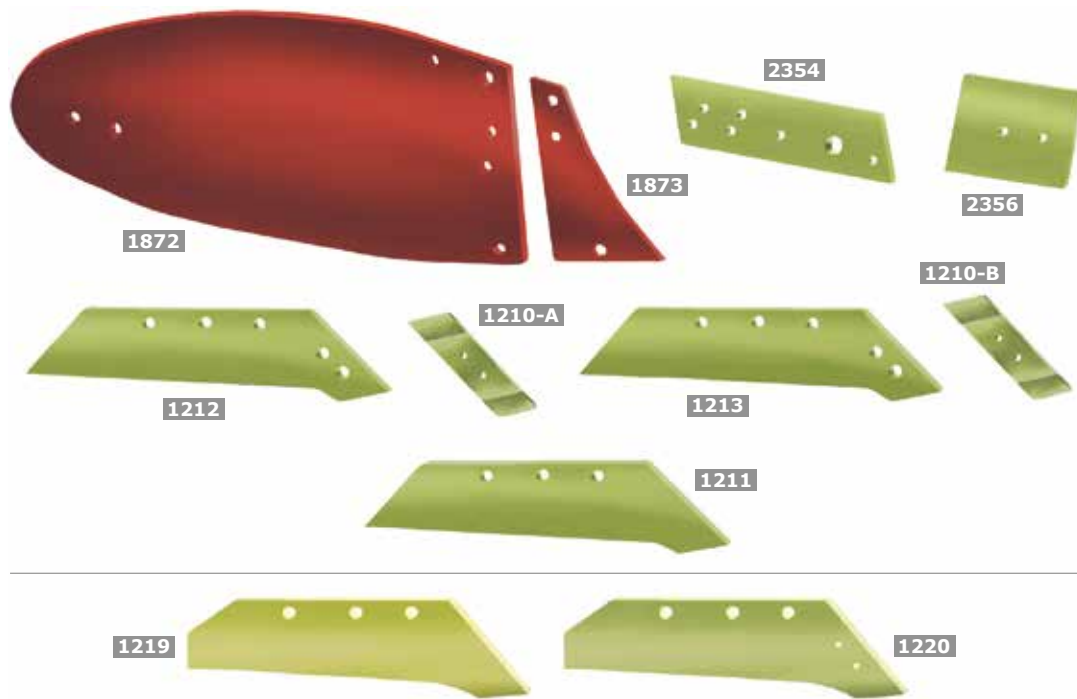
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

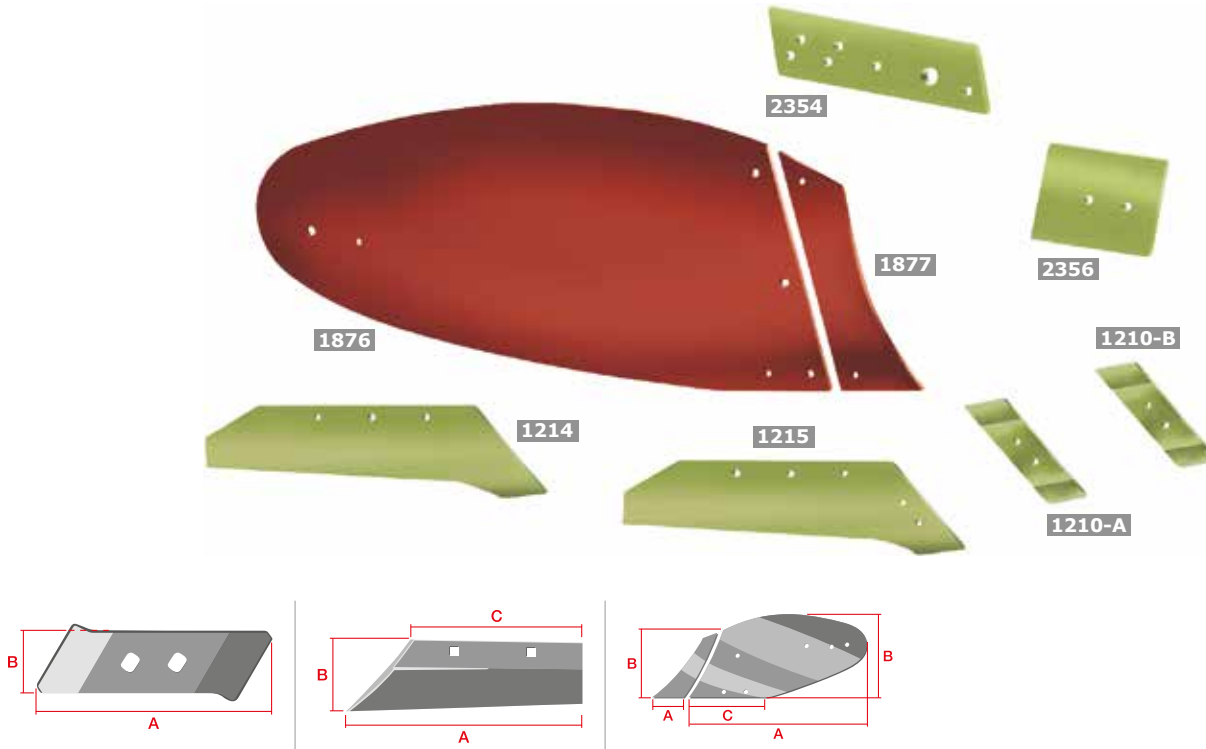
5
PLOUGH

VOGEL & NOOT WS



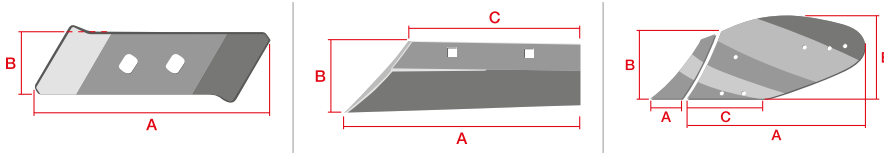
Ref.	Original Ref.	— —	A	B	C	⚙️	M	Gr.	🌀	F
1210-A D	PK8.011.01-PK 8	14	290	65		1199D	M12	1.500	400	
1210-A I	PK8.011.02-PK8 L	14	290	65		1199D	M12	1.500	400	
1210-B D	PK0.011.01-PK0	14	290	65		1199D	M12	1.500	400	100
1210-B I	PK0.011.02-PK0 L	14	290	65		1199D	M12	1.500	400	100
1211-40 D	PK0.000.05-WS400	13	612	116	385	1199D	M14	5.500	125	
1211-40 I	PK0.000.06-WS400 L	13	612	116	385	1199D	M14	5.500	125	
1211-43 D	PK0.000.07-WS430	13	658	114	410	1199D	M14	5.800	125	100
1211-43 I	PK0.000.08-WS430 L	13	658	114	410	1199D	M14	5.800	125	100
1212-35 D	PK6.013.01-WSM35	13	553	119	375	1199D	M14	5.200	150	100
1212-35 I	PK6.014.01-WSM35 L	13	553	119	375	1199D	M14	5.200	150	100
1212-40 D	PK7.013.01-WSM40	13	612	116	385	1199D	M14	5.500	125	
1212-40 I	PK7.014.01-WSM40 L	13	612	116	385	1199D	M14	5.500	125	
1212-43 D	PK8.013.01-WSM430	13	658	114	410	1199D	M14	5.800	125	
1212-43 I	PK8.014.01WSM430 L	13	658	114	410	1199D	M14	5.800	125	
1213-40 D	PK0.010.05-WS400M	13	612	116	385	1199D	M14	5.360	125	100
1213-40 I	PK0.010.06-WS400M L	13	612	116	385	1199D	M14	5.360	125	100
1872 D	PK8.001.01-WY400	8	905	415	190		M10 / M12	19.700	50	
1872 I	PK8.002.01-WY400 L	8	905	415	190		M10 / M12	19.700	50	
1873 D	PK8.005.01-WY400A	8	206	335		1199B	M10	2.300	300	
1873 I	PK8.006.01-WY400A L	8	206	335		1199B	M10	2.300	300	
2354 D	PK8.034.01	12	385	120		1199D	M12	4.350	200	
2354 I	PK8.035.01	12	385	120		1199D	M12	4.350	200	
2356	P58.011.01	12	214	180		1199D	M12	3.150	300	
1219-40 D	P91.030.01-V1500	13	612	120	390	1199B	M14	6.200	125	
1219-40 I	P91.031.01-V1500 L	13	612	120	390	1199B	M14	6.200	125	
1220-40 D	P91.034.03-U1500M	13	612	120	390	1199B	M14	6.200	100	
1220-40 I	P91.035.03-U1500M L	13	612	120	390	1199B	M14	6.200	100	

VOGEL & NOOT UN



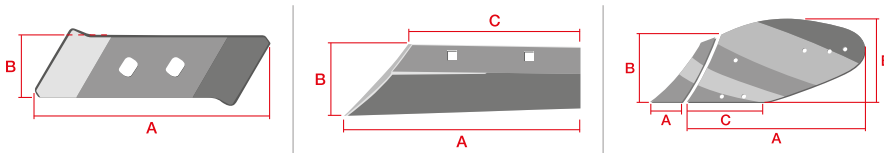
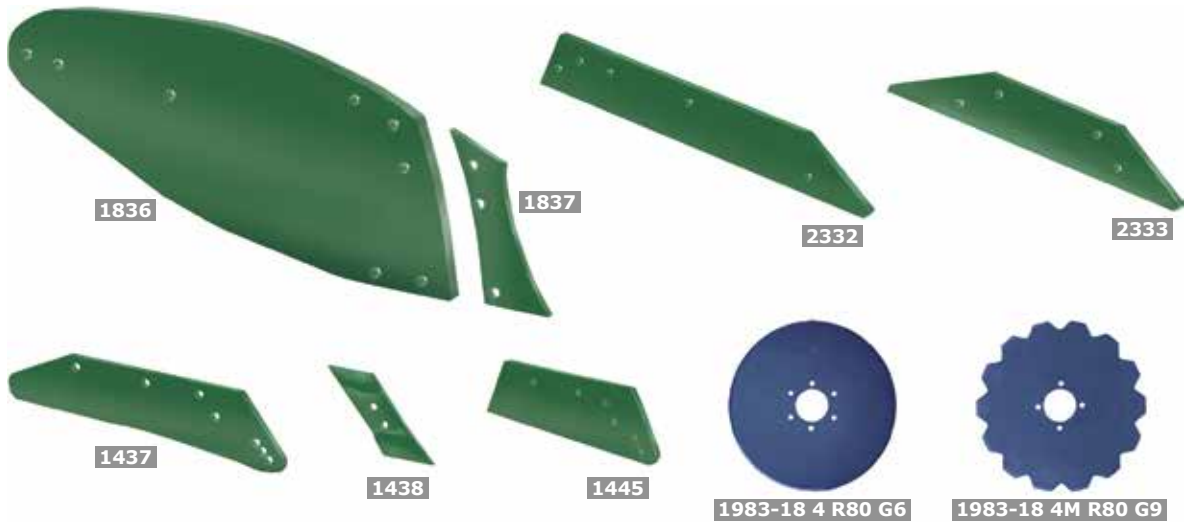
Ref.	Original Ref.		A	B	C		M	Grs.		F
1210-A D	PK8.011.01-PK 8	14	290	65		1199D	M12	1.500	400	
1210-A I	PK8.011.02-PK8 L	14	290	65		1199D	M12	1.500	400	
1210-B D	PK0.011.01-PK0	14	290	65		1199D	M12	1.500	400	100
1210-B I	PK0.011.02-PK0 L	14	290	65		1199D	M12	1.500	400	100
1214-35 D	PK3.001.01-UN350	13	545	124	330	1199D	M14	5.500	150	100
1214-35 I	PK3.002.01-UN350 L	13	545	124	330	1199D	M14	5.500	150	100
1214-40 D	PK4.001.01-UN400	13	612	120	390	1199D	M14	6.200	125	100
1214-40 I	PK4.002.01-UN400 L	13	612	120	390	1199D	M14	6.200	125	100
1215-35 D	PK3.013.01-UNM35	13	545	124	330	1199D	M14	5.500	150	
1215-35 I	PK3.014.01-UNM35 L	13	545	124	330	1199D	M14	5.500	150	
1215-40 D	PK4.013.01-UNM40	13	612	120	390	1199D	M14	6.200	125	
1215-40 I	PK4.014.01-UNM40 L	13	612	120	390	1199D	M14	6.200	125	
1215-43 D	PK5.013.01-UNM43	13	656	117	415	1199D	M14	6.760	125	
1215-43 I	PK5.014.01-UNM43 L	13	656	117	415	1199D	M14	6.760	125	
1876 D	PK4.001.02-UN400	8	730	405	250		M12	13.300		
1876 I	PK4.002.02-UN400 L	8	730	405	250		M12	13.300		
1877 D	PK4.001.03-UN400	8	127	360		1199B	M12	1.500	400	
1877 I	PK4.002.03-UN400 L	8	127	360		1199B	M12	1.500	400	
2354 D	PK8.034.01	12	385	120		1199D	M12	4.350	200	
2354 I	PK8.035.01	12	385	120		1199D	M12	4.350	200	
2356	P58.011.01	12	214	180		1199D	M12	3.150	300	

NAUD



Ref.	Original Ref.		A	B	C		M	Grs.		F
1416 D	03054452D	10	540	150	418	1199B	M14	6.300	70	
1416 I	03054452G	10	540	150	418	1199B	M14	6.300	70	
1417 D	03054502D	12	355	90		1199B	M14	2.150	300	
1417 I	03054502G	12	355	90		1199B	M14	2.150	300	
1418-A D	04032101D	8	230	80	175	1199B	M10	950	600	
1418-A I	04032101G	8	230	80	175	1199B	M10	950	600	
1418-B D	04032104D	8	326	66	210	1199B	M10	1.300	600	100
1418-B I	04032104G	8	326	66	210	1199B	M10	1.300	600	100
1468 D	03060116D	6	200	275		1199B	M14	1.500	400	100
1468 I	03060116G	6	200	275		1199B	M14	1.500	400	100
1859 D	C31 A 03022352D	8	950	365	420	1199B	M12	14.450		24
1859 I	C31 A 03022352G	8	950	365	420	1199B	M12	14.450		24
1891 D	C34 A 03022354D	8	1038	396	420	1199B	M12	17.150		21
1891 I	C34 A 03022354G	8	1038	396	420	1199B	M12	17.150		21
1892 D	H55 A 03023555D	8	950	389	420	1199B	M12	17.150		21
1892 I	H55 A 03023555G	8	950	389	420	1199B	M12	17.150		21
1893 D	H67 A 03023657D	8	1225	405	420	1199B	M12	22.650		15
1893 I	H67 A 03023657G	8	1225	405	420	1199B	M12	22.650		15
1897 D	400421D	6	300	238		1199B	M10	2.790	200	
1897 I	400421G	6	300	238		1199B	M10	2.790	200	
2324	03065501	10	330	150		1199B	M14	3.700	250	

DOWDESWELL



Ref.	Original Ref.		A	B	C		M	Gr.		F
1437 D	1138398	10	624	120	380		M12	5.300	125	
1437 I	1138399	10	624	120	380		M12	5.300	125	
1438 D	901953	13	305	67			M12	1.500	500	100
1438 I	901954	13	305	67			M12	1.500	500	100
1445 D CA1	115398	8,5	390	113,5	282		M12	2.870	200	
1445 I CA1	115399	8,5	390	113,5	282		M12	2.870	200	
1836 D	1136598	8	1050	435	282	1199B	M12	20.500	1.000	18
1836 I	1136599	8	1050	435	282	1199B	M12	20.500	1.000	18
1837 D	1136698	7	156	357		1199B	M12	2.000	300	50
1837 I	1136699	7	156	357		1199B	M12	2.000	300	50
1983-18 4 R80 G6	052800	4	457					4.680		16
1983-18 4M R80 G9	063800	4	457					4.110		16
2332 D	1137498	12	760	120			M12	7.700	100	50
2332 I	1137499	12	760	120			M12	7.700	100	50
2333	1136700	12	670	120			M12	5.800	150	50

1
PLANTERS AND SEED DRILL

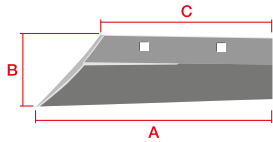
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

INTERNATIONAL HARVESTER



Ref.	Original Ref.		A	B	C		M	Grs.		F
1331 D CA1	735558	8	208	75	158	1199B	M10	1.000	600	100
1331 I CA1	735557	8	208	75	158	1199B	M10	1.000	600	100
1378-14 D	1867675	12	584	131	465	1199E	1/2 Left	5.200	150	
1378-14 I	1867674	12	584	131	465	1199E	1/2 Left	5.200	150	
1379 D	1867673	12	268	70		1199E	1/2 Left	1.130	500	100
1379 I	1867672	12	268	70		1199E	1/2 Left	1.130	500	100
1380-14 D	737339	12	515	110	395	1199E	1/2 Left	3.800	200	100
1380-14 I	737338	12	515	110	395	1199E	1/2 Left	3.800	200	100
1381-14 D	3171927	12	584	131	465	1199E	1/2 Left	5.200	150	100
1381-14 I	3171926	12	584	131	465	1199E	1/2 Left	5.200	150	100
1382-14 D	1867679	12	515	110	395	1199E	1/2 Left	3.800	200	100
1382-14 I	1867678	12	515	110	395	1199E	1/2 Left	3.800	200	100
1404-14 D	737339	12	533	130	395	1199E	1/2 Left	5.100	150	
1404-14 I	737338	12	533	130	395	1199E	1/2 Left	5.100	150	
1405-14 D	1867679	12	533	130	395	1199E	1/2 Left	5.100	150	
1405-14 I	1867678	12	533	130	395	1199E	1/2 Left	5.100	150	

1
PLANTERS AND SEED DRILL

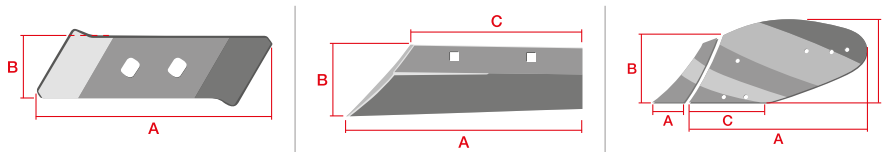
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

OVLAC MINI



Ref.	Original Ref.		Grs.			A	B	C		M	F
1741 D	64000306	6	8.440		90	705	341	333	1199B	M10	50
1741 I	64000307	6	8.440		90	705	341	333	1199B	M10	50
1329 11 C D	64000195	11	3.000		350	411	97	327	1199D	M12	
1329 11 C I	64000215	11	3.000		350	411	97	327	1199D	M12	
2368 D	64000196	12	2.800		350	337	100	274	1199D	M12	
2368 I	64000216	12	2.800		350	337	100	274	1199D	M12	
1330 D	64000194	12	1.300		500	260	65		1199D	M12	
1330 I	64000213	12	1.300		500	260	65		1199D	M12	

1
PLANTERS AND SEED DRILL

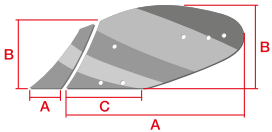
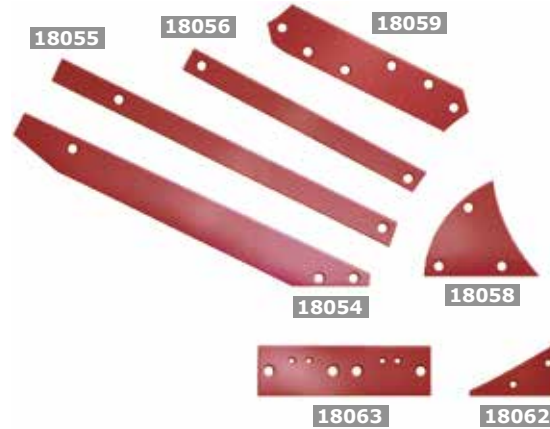
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

5
PLOUGH

OVLAC SS-SL



Original Ref.	Ref.	→ ←	Grs.		A	B		M
64000457	18054 D R CA1	10	7.250	100	990	112	1199A	M12
64000458	18054 I R CA1	10	7.250	100	990	112	1199A	M12
64000455	18055 D R CA1	10	4.450	250	958	60	1199A	M12
64000456	18055 I R CA1	10	4.450	250	958	60	1199A	M12
64000453	18056 D R CA1	10	3.100	300	676	60	1199A	M12
64000454	18056 I R CA1	10	3.100	300	676	60	1199A	M12
64000585	18059 D R CA1	10	4.750	200	510	118	1199A	M12
64000586	18059 I R CA1	10	4.750	200	510	118	1199A	M12
64000128	18058 D R	10	3.000	300	290	242	1199A	M10
64000129	18058 I R	10	3.000	300	290	242	1199A	M10
64000137	18062 D R	10	1.000	1.000	206	120	1199A	M10
64000138	18062 I R	10	1.000	1.000	206	120	1199A	M10
64000136	18063 R	12	4.500	200	420	120	1199A	M12

1
PLANTERS AND SEED DRILL

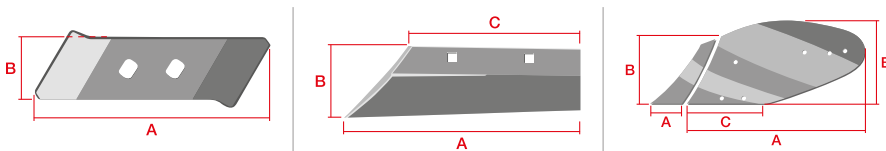
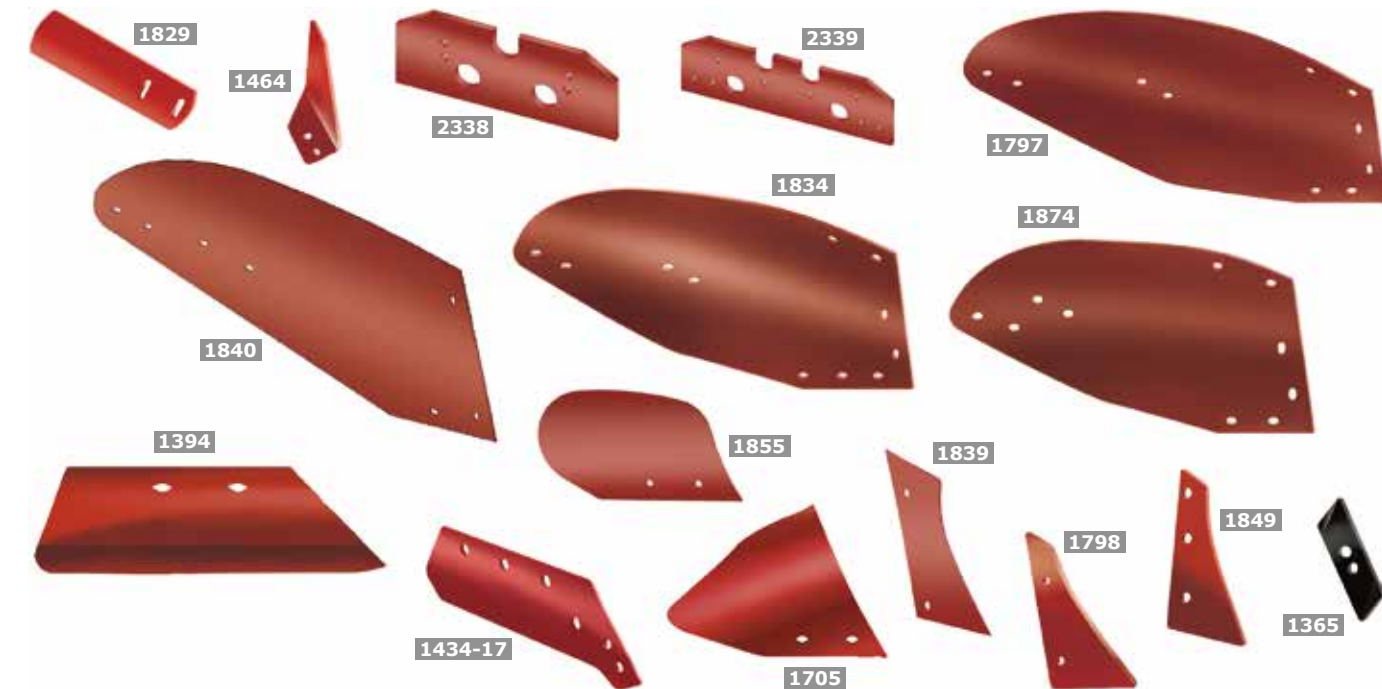
2
CURVED SUBSOILER

3
CULTIVATOR

4
DISC HARROW

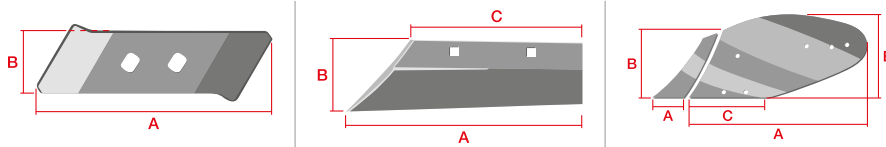
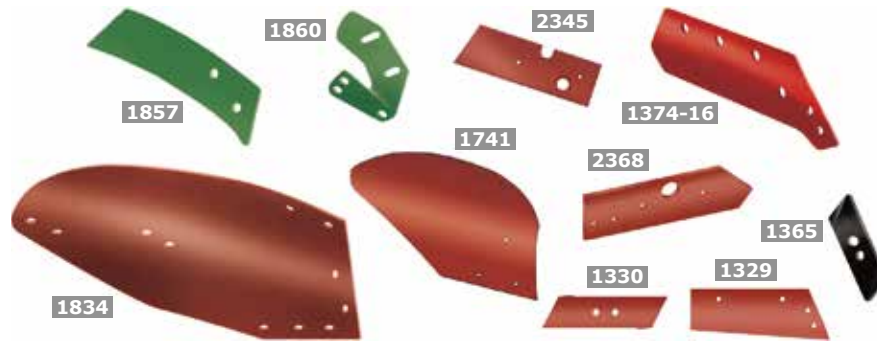
5
PLOUGH

OVLAC



Ref.	Original Ref.	↔	A	B	C		M	Grs.			F
1365 D CA CG	64000033	12	258,5	65		1199D	M12	1.300		500	
1365 I CA CG	64000034	12	258,5	65		1199D	M12	1.300		500	
1394 D	64000054	8	330	100	210	1199B	M10	1.550		350	
1394 I	64000056	8	330	100	210	1199B	M10	1.550		350	
1434-17 D	64000051	11	635	145	465	1199C	M14	6.240	6	144	
1434-17 I	64000052	11	635	145	465	1199C	M14	6.240	6	144	
1464 D	64000063	4,5	283	145		1199D		830		500	
1464 I	64000064	4,5	283	145		1199D		830		500	
1705 D CA	64000190	5	369	165	214	1199B	M10	3.000		150	
1705 I CA	64000191	5	369	165	214	1199B	M10	3.000		150	
1797 D CA1	64000065	8	1059	477	222	1199B	M12	20.900			
1797 I CA1	64000066	8	1059	477	222	1199B	M12	20.900			
1798 D CA1	64000014	7	162	278		1199B	M12	1.310	12	648	50
1798 I CA1	64000067	7	162	278		1199B	M12	1.310	12	648	50
1829 D CA	64000069	8	365	100		1199B	M12	1.900	12	432	
1829 I CA	64000070	8	365	100		1199B	M12	1.900	12	432	
1834 D BO	64000073	8	980	440	280	1199B	M12	20.700			
1834 I BO	64000074	8	980	440	280	1199B	M12	20.700			
1839 D BO	64000038	8	182	340	236	1199B	M12	2.570		250	
1839 I BO	64000039	8	182	340	236	1199B	M12	2.570		250	
1840 D BO	64000032	8	1000	450		1199B	M12	17.450			
1840 I BO	64000037	8	1000	450		1199B	M12	17.450			
1849 D BO	64000087	8	160	325		1199B	M12	1.800		400	
1849 I BO	64000088	8	160	325		1199B	M12	1.800		400	
1849-12 D		12	160	325		1199B	M12	2.810		330	50
1849-12 I		12	160	325		1199B	M12	2.810		330	50
1855 D BO	61004900	6	329	165		1199B	M10	1.725		250	
1855 I BO	61005900	6	329	165		1199B	M10	1.725		250	
1874 D BO	64000096	8	780	395	200	1199B	M12	14.150			
1874 I BO	64000097	8	780	395	200	1199B	M12	14.150			
2338	64000044	12	356	140		1199D	M12	4.100		150	
2339	64000045	12	456	140		1199D	M12	5.150		150	

ESCUADERO



Ref.	→ ←	Grs.		A	B	C		M	F
1329 D ESC	10	2.950	380	390	100	331	1199D	M12	
1329 I ESC	10	2.950	380	390	100	331	1199D	M12	
1330 D	12	1.300	500	260	65	301	1199D	M12	
1330 I	12	1.300	500	260	65	301	1199D	M12	
1365 D CG	12	1.300	500	258,5	65		1199D	M12	
1365 I CG	12	1.300	500	258,5	65		1199D	M12	
1741 D CA1	6	8.440	90	705	341	333	1199B	M10	
1741 I CA1	6	8.440	90	705	341	333	1199B	M10	
1741 D CA1 T	8	9.200	90	705	341	333	1199B	M10	50
1741 I CA1 T	8	9.200	90	705	341	333	1199B	M10	50
1834 D BO	8	20.700		980	440	280	1199B	M12	
1834 I BO	8	20.700		980	440	280	1199B	M12	
1857 D	8	3.285		460	150		1199B	M12	
1857 I	8	3.285		460	150		1199B	M12	
1860 D	10	2.150		220	200		1199B	M12	
1860 I	10	2.150		220	200		1199B	M12	
2345 D	12	5.250		450	140			M12	
2345 I	12	5.250		450	140			M12	
2368 D	12	2.800	350	337	100	274	1199D	M12	
2368 I	12	2.800	350	337	100	274	1199D	M12	
2368 D L	12	4.200	200	487	100	459	1199D	M12	50
2368 I L	12	4.200	200	487	100	459	1199D	M12	50
2368 D 2L	12	4.700	200	537	100	509	1199D	M12	50
2368 I 2L	12	4.700	200	537	100	509	1199D	M12	50



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