



**3 Models**

**3 Models**

**3.1 Model List**

Table 3.1 and Table 3.2 shows the models of FYH Ball Bearing Units and ball bearing inserts.

**Table 3.1 FYH Ball Bearing Units models**

Model	Type	Bearing bore dia. Surface (fixing to shaft)	Model code	Shaft dia.				Dimension table	
				(inch)		(mm)			
				min.	max.	min.	max.		
<b>1 Pillow Block Units</b>	(1) Pillow Block Units	with set screws with eccentric locking collar	UCP	1/2	4	12	140	P.82	
			NAP	1/2	2 15/16	12	75	P.88	
			NAP-E	1 3/16	2 15/16	—	—	P.90	
		with concentric locking collar Tapered bore (with adapter)	NAPK	1/2	2 15/16	12	75	P.92	
			NCP	3/4	2 7/16	20	60	P.94	
			UKP	3/4	4 1/2	20	125	P.96	
	(2) Thick Pillow Block Units	with set screws Tapered bore (with adapter)	UCIP	1 1/2	4	40	140	P.102	
			UKIP	1 1/4	4 1/2	35	125	P.104	
	(3) Tapped-Base Pillow Block Units	with set screws	UCPA	1/2	2	12	50	P.106	
			UCPAN	3/4	1 7/16	20	35	P.108	
		with concentric locking collar	NCPA	3/4	2	20	50	P.110	
			NCPAN	3/4	1 7/16	20	35	P.112	
	(4) High-Base Pillow Block Units	with set screws	UCPH	1/2	2	12	50	P.114	
	(5) Narrow Inner Ring Bearing Pillow Block Units	with set screws with eccentric locking collar	SBP-RKP8	3/4	1 1/2	20	40	P.116	
			SAP-FP9	3/4	2 3/16	20	55	P.116	
		with set screws with eccentric locking collar	SBPAN-RKP8	3/4	1 7/16	20	35	P.118	
			SAPAN-FP9	3/4	1 7/16	20	35	P.118	
	(6) Light Pillow Block Units	with set screws with eccentric locking collar	BLP	1/2	1 1/2	12	40	P.120	
ALP			1/2	1 9/16	12	40	P.120		
(7) Compact Pillow Block Units	with set screws	UP	—	—	10	30	P.122		
(8) Corrosion Resistant Series Pillow Block Units	with set screws	UCSP-H1S6	1/2	2 7/16	12	60	P.124		
		UCSPA-H1S6	1/2	1 9/16	12	40	P.126		
		USP-S6	—	—	10	30	P.128		
		UCVP-S6	3/4	2	20	50	P.130		
		UCVP-ES7	3/4	2	20	50	P.132		
		UCVPAN-ES7	3/4	1 7/16	20	35	P.134		
(9) Stamped Steel Pillow Block Units	with set screws with eccentric locking collar	SBPP	1/2	1 1/4	12	30	P.136		
		SAPP	1/2	1 1/4	12	30	P.136		
<b>2 4-Bolt Flange Units</b>	(1) 4-Bolt Flange Units	with set screws	UCF	1/2	4	12	140	P.138	
			UCF-E	1/2	3 7/16	12	85	P.144	
			NANF	1/2	2 7/16	12	60	P.148	
		with eccentric locking collar with concentric locking collar	NCF	3/4	2 7/16	20	60	P.150	
			NCF-E	3/4	2 7/16	20	60	P.152	
			UKF	3/4	4 1/2	20	125	P.154	
	(2) Square Piloted 4-Bolt Flange Units	with set screws Tapered bore (with adapter)	UCFS	1	4	25	140	P.160	
			UKFS	3/4	4 1/2	20	125	P.162	
	(3) Narrow Inner Ring Bearing 4-Bolt Flange Units	with set screws with eccentric locking collar	SBF-RKP8	3/4	1 1/2	20	40	P.164	
			SAF-FP9	3/4	2 3/16	20	55	P.164	
	(4) Corrosion Resistant Series 4-Bolt Flange Units	with set screws	UCSF-H1S6	3/4	2 7/16	20	60	P.166	
			UCSF-EH1S6	3/4	2 7/16	20	60	P.168	
			UCVF-S6	3/4	1 9/16	20	40	P.170	
			UCVF-ES7	3/4	1 9/16	20	40	P.172	
	<b>3 Oval Flange Units</b>	(1) 2-Bolt Flange Units	with set screws	UCFL	1/2	4	12	120	P.174
				UCFL-E	1/2	3 1/4	12	85	P.180
				NANFL	1/2	2 3/16	12	55	P.184
			with eccentric locking collar with concentric locking collar	NCFL	3/4	2 7/16	20	60	P.186
NCFL-E				3/4	2 7/16	20	60	P.188	
UKFL				3/4	4	20	110	P.190	
(2) Adjustable 2-Bolt Flange Units		with set screws	UCFA	1/2	2 3/16	12	55	P.194	
(3) 3-Bolt Flange Units		with set screws	UCFB	1/2	2	12	50	P.196	
(4) Narrow Inner Ring Bearing 2-Bolt Flange Units		with set screws with eccentric locking collar	SBFL-RKP8	3/4	1 1/2	20	40	P.198	
			SAFL-FP9	3/4	2 3/16	20	55	P.198	
(5) Light 3-Bolt Flange Units		with set screws with eccentric locking collar	SBTFD-H4RKP8	1/2	1 7/16	12	35	P.200	
			SATFD-FH4P9	1/2	1 7/16	12	35	P.200	
(6) Light 2-Bolt Flange Units		with set screws with eccentric locking collar	BLF	1/2	1 7/16	12	35	P.202	
			ALF	1/2	1 7/16	12	35	P.202	
(7) Compact 2-Bolt Flange Units		with set screws	UFL	—	—	8	30	P.204	
(8) Corrosion Resistant Series 2-Bolt Flange Units		with set screws	UCSFL-H1S6	1/2	2	12	50	P.206	
			UCSFL-EH1S6	1/2	2	12	50	P.208	
			USFL-S6	—	—	10	30	P.210	
	UCVFL-S6		3/4	1 9/16	20	40	P.212		
	UCVFL-ES7		3/4	1 9/16	20	40	P.214		
	UCVFB-ES7		3/4	1 7/16	20	35	P.216		
(9) Corrosion Resistant Series 3-Bolt Flange Units	with set screws	UCVFB-ES7	3/4	1 7/16	20	35	P.216		



**Table 3.1 FYH Ball Bearing Units models (continued)**

Model	Type	Bearing bore dia. Surface (fixing to shaft)	Model code	Shaft dia.				Dimension table
				(inch)		(mm)		
				min.	max.	min.	max.	
<b>4 4-Bolt Flange Cartridge Units</b>	(1) 4-Bolt Flange Cartridge Units	with set screws	UCFC	1/2	4	12	100	P.218
			UCFCX-E	1	4	25	100	P.222
		with concentric locking collar Tapered bore (with adapter)	UCFCF	7/8	2 3/16	25	55	P.224
			NCFC	3/4	2 7/16	20	60	P.226
	(2) Narrow Inner Ring Bearing 4-Bolt Flange Cartridge Units	with set screws with eccentric locking collar	SBFC-RKP8	3/4	1 1/2	20	40	P.232
			SAFC-FP9	3/4	2 3/16	20	55	P.232
(3) Corrosion Resistant Series 4-Bolt Flange Cartridge Units	with set screws	UCSFC-H1S6	3/4	1 9/16	20	40	P.234	
<b>5 Stamped Steel Flange Units</b>	(1) Stamped Steel 3-Bolt Flange Cartridge Units	with set screws with eccentric locking collar	SBPF	1/2	1 7/16	12	35	P.236
	SAPF	1/2	1 7/16	12	35	P.236		
(2) Stamped Steel 2-Bolt Flange Units	with set screws with eccentric locking collar	SBPFL	1/2	1 7/16	12	35	P.238	
		SAPFL	1/2	1 7/16	12	35	P.238	
<b>6 Take-Up Units</b>	(1) Take-Up Units	with set screws	UCT	1/2	4	12	140	P.240
			UCT-E	1/2	3 7/16	12	85	P.246
		with eccentric locking collar	NAT-E	1/2	2 15/16	12	75	P.250
			NCT	3/4	2 7/16	20	60	P.252
		with concentric locking collar	NCT-E	3/4	2 7/16	20	60	P.254
			UKT	3/4	4 1/2	20	125	P.256
	(2) Narrow Slot Take-Up Units	with set screws	UCTRS	7/8	1 7/16	25	35	P.260
			UCST-H1S6	3/4	2	20	50	P.262
	(3) Corrosion Resistant Series Take-Up Units	with set screws	UCST-EH1S6	3/4	2	20	50	P.264
	(4) Section Steel Frame Take-Up Units	with set screws	UCTH	1/2	2 1/2	12	65	P.266
(5) Channel Steel Frame Take-Up Units	with set screws	UCTL	-	-	20	45	P.268	
		UCTU	-	-	40	90	P.270	
(6) Steel Plate Frame Take-Up Units	with set screws	SBPTH	-	-	12	25	P.274	
		SBNPTH	-	-	12	25	P.276	
<b>7 Other Units</b>	(1) Cartridge Units	with set screws Tapered bore (with adapter)	UCC	1/2	4	12	140	P.278
			UKC	3/4	4 1/2	20	125	P.282
(2) Hanger Units	with set screws	UCHA	1/2	3	12	75	P.284	

**Table 3.2 Bearing insert models**

Model	Type	Bearing bore dia. Surface (fixing to shaft)	Model code	Shaft dia.				Dimension table
				(inch)		(mm)		
				min.	max.	min.	max.	
<b>8 Ball Bearing Inserts</b>	(1) UC inserts UC inserts (Stainless steel)	with set screws	UC	1/2	4	12	140	P.286
			UC-S6	1/2	2 7/16	12	60	P.294
	(2) UK inserts	Tapered bore (with adapter)	UK	3/4	4 1/2	20	125	P.306
	(3) NC inserts	with concentric locking collar	NC	3/4	2 7/16	20	60	P.302
	(4) NA inserts	with eccentric locking collar	NA	1/2	3	12	75	P.296
	(5) SB inserts (Lightweight)	with set screws	SB	1/2	1 1/2	12	40	P.286
			SB-RKP8	1/2	1 1/2	12	40	P.286
	(6) SA inserts (Lightweight)	with eccentric locking collar	SA	1/2	1 9/16	12	40	P.296
			SA-F	1/2	2 3/16	12	55	P.296
	(7) SU inserts. Small size SU inserts. Small size (Stainless steel)	with set screws	SU	-	-	8	30	P.286
			SU-S6	-	-	10	30	P.294
	(8) Cylindrical O.D. (with lubricating mechanism and snap ring)	with set screws with concentric locking collar	ER	1/2	2 7/16	12	60	P.312
ERC			3/4	2 7/16	20	60	P.304	
(9) Cylindrical O.D.	with set screws	RB	1/2	1 9/16	12	40	P.312	
(10) Standard	Cylindrical bore	SC	-	-	17	40	P.316	
(11) Cylindrical O.D.	with set screws with eccentric locking collar	SBB-RK	1/2	1 1/2	12	40	P.314	
		SAA-F	1/2	2 3/16	12	55	P.314	
(12) Adapter		H2300X	3/4	5	20	125	P.318	

3 Models



STANDARD

3.2 Models and Features

FYH Ball Bearing Units are available in a variety of styles and sizes. Models and features of the Ball Bearing Units are shown below.

Note <sup>1)</sup> Descriptions of codes for units with covers are shown in the table below. (common to all the models)

Diameter series	Code	Descriptions
2	C, CD	Stamped steel plate cover type
	FC, FCD	Cast iron cover type
X	C, CD	From X05 to X17: Stamped steel plate cover type X18 and X20: Cast iron cover type
	C, CD	Cast iron cover type

1 Pillow Block Units

1 Pillow Block Units



UCP

NAP

**UCP** is a pillow block unit with a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions.

Duty: Standard, Medium, Heavy



NAP-E

NAPK

**NAP** is a pillow block unit with an eccentric locking collar insert that provides a very secure grip to the shaft that becomes even more secure during continued operation. It is specifically used for single-direction/non-reversing rotation.

Duty: Standard, Heavy



NCP

UKP+H

**NCP** is a pillow block unit with a specially designed concentric locking collar that provides 360 degrees of shaft contact. It produces a more concentric lock on the shaft compared to other locking styles and it functions very well for high speed applications.

Duty: Standard

**UKP** is a pillow block unit with a tapered-bore bearing insert that utilizes an adapter sleeve assembly to produce a highly concentric and secure lock on the shaft to reduce slippage and fretting corrosion even under adverse conditions.

Duty: Standard, Medium, Heavy



UCP-C, CD  
UKP-C, CD

UCP-FC, FCD  
UKP-FC, FCD

2 Thick Pillow Block Units



UCIP

UKIP+H

**UCIP** is a pillow block unit with a highly rigid and rugged casting for particularly demanding applications. The two bolt holes are round for more accurate positioning and the strength ratings of the housing are substantially improved over standard pillow block housings. UK style is also available.

Duty: Standard, Heavy

**3 Tapped-Base Pillow Block Units**



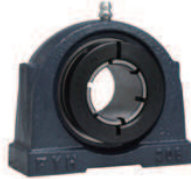
**UCPA**



**UCPAN**



**NCPA**



**NCPAN**

**UCPA** and **UCPAN** are tapped-base pillow blocks with threaded bolt holes in the bottom of the housings. They are ideal for exact unit positioning and limited space applications. They are available in both inch and metric bolt-hole dimensions. NA, NC & UK style are also available.

Duty: Standard

**4 High-Base Pillow Block Units**



**UCPH**

**UCPH** is a pedestal pillow block unit with an exceptionally high mounting base. It is ideal for applications where a shouldered shaft could create interference with the mounting surface when using a standard pillow block unit.

Duty: Standard

**5 Narrow Inner Ring Bearing Pillow Block Units**



**SBP-RKP8**



**SAP-FP9**

**SBP-RKP8** is a lightweight bearing mounted pillow block unit which is ideal for limited space applications and light to moderate duty applications.

**SAP-FP9** with SA eccentric locking collar style is also available.

**SBPAN-RKP8** is a lightweight bearing mounted tapped-base pillow block unit which is ideal for limited space applications and light to moderate duty applications.

**SAPAN-FP9** with SA eccentric locking collar style is also available.

Duty: Standard



**SBPAN-RKP8**



**SAPAN-FP9**



### 3 Models

#### (1 Pillow Block Units)

##### 6 Light Pillow Block Units



**BLP**



**ALP**

**BLP** is a compact and lightweight pillow block unit which is ideal for limited space applications and light to moderate duty applications.

**ALP** with SA eccentric locking collar style is also available.

Duty: Light

##### 7 Compact Pillow Block Units



**UP**



**UP-C, CD**

**UP** is a light duty pillow block unit that is part of the Clean Series. It has a zinc-alloy housing for a high level of corrosion resistance and it is capable of accepting end covers to increase contamination resistance.

Duty: Light

##### 8 Corrosion Resistant Series Pillow Block Units



**UCSP-H1S6**



**USP-S6**

**UCSP** is a pillow block unit that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard



**UCSPA-H1S6**



**UCVP-S6  
UCVP-ES7**

**USP-S6** is a light duty stainless pillow block unit that is part of the Clean Series. It has a stainless housing for a high level of corrosion resistance and it is capable of accepting end covers to increase contamination resistance.

Duty: Light

**UCSPA** is a tapped-base pillow block unit with threaded bolt holes in the bottom of the housings. It is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is ideal for exact unit positioning and limited space applications. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard



**UCVPAN-ES7**

**UCVP** and **UCVPAN** is a pillow block unit with a corrosion resistant thermoplastic housing and the option of either a stainless steel bearing insert or a zinc chromate plated bearing insert. Both bearing inserts offer a high level of corrosion resistance and they are factory lubricated with food grade grease.

Duty: Standard

##### 9 Stamped Steel Pillow Block Units



**SBPP**



**SAPP**

**SBPP** is a pillow block unit with a lightweight and compact stamped steel housing for light to moderate duty applications.

**SAPP** with SA eccentric locking collar style is also available.

Duty: Light

**2 4-Bolt Flange Units**

**1 4-Bolt Flange Units**



**UCF  
UCF-E**



**NANF**



**NCF  
NCF-E**



**UKF+H**

**UCF** is a four-bolt flange unit with a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions. UK style is also available.

Duty: Standard, Medium, Heavy

**NANF** is a four-bolt flange unit with an eccentric locking collar insert that provides a very secure grip to the shaft that becomes even more secure during continued operation. It is specifically used for single-direction/non-reversing rotation.

Duty: Standard

**NCF** is a four-bolt flange unit with a specially designed concentric locking collar that provides 360 degrees of shaft contact. It produces a more concentric lock on the shaft compared to other locking styles and it functions very well for high speed applications.

Duty: Standard

**2 Square Piloted 4-Bolt Flange Units**



**UCFS**



**UKFS+H**

**UCFS** is a piloted four-bolt flange unit available with a heavy duty bearing insert for a demanding operating environment. The pilot on the back of the housing allows for precise mounting where necessary.

UK style is also available.

Duty: Heavy

**3 Narrow Inner Ring Bearing 4-Bolt Flange Units**



**SBF-RKP8**



**SAF-FP9**

**SBF-RKP8** is a lightweight bearing mounted four-bolt Flange units which is ideal for limited space applications and light to moderate duty applications.

**SAF-FP9** with SA eccentric locking collar style is also available.

Duty: Standard

**4 Corrosion Resistant Series 4-Bolt Flange Units**



**UCSF-H1S6  
UCSF-EH1S6**



**UCVF-S6  
UCVF-ES7**

**UCSF** is a four-bolt flange unit that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

**UCVF** is a four-bolt flange unit with a corrosion resistant thermo-plastic housing and the option of either a stainless steel bearing insert or a zinc chromate plated bearing insert. Both bearing inserts offer a high level of corrosion resistance and they are factory lubricated with food grade grease.

Duty: Standard

### 3 Models

#### 3 Oval Flange Units

##### 1 2-Bolt Flange Units



**UCFL**  
**UCFL-E**



**NANFL**



**NCFL**  
**NCFL-E**



**UKFL+H**

**UCFL** is a two-bolt flange unit with a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions. UK style is also available.

Duty: Standard, Medium, Heavy

**NANFL** is a two-bolt flange unit with an eccentric locking collar insert that provides a very secure grip to the shaft that becomes even more secure during continued operation. It is specifically used for single-direction/non-reversing rotation.

Duty: Standard

**NCFL** is a two-bolt flange unit with a specially designed concentric locking collar that provides 360 degrees of shaft contact. It produces a more concentric lock on the shaft compared to other locking styles and it functions very well for high speed applications.

Duty: Standard

##### 2 Adjustable 2-Bolt Flange Units



**UCFA**

**UCFA** is an adjustable two-bolt flange unit with a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions.

Duty: Standard

##### 3 3-Bolt Flange Units



**UCFB**

**UCFB** are three-bolt flange brackets with rigid cast iron housings and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions. They are available in both inch and metric bolt-hole dimensions.

Duty: Standard

##### 4 Narrow Inner Ring Bearing 2-Bolt Flange Units



**SBFL-RKP8**



**SAFL-FP9**

**SBFL-RKP8** is a lightweight bearing mounted two-bolt Flange units which is ideal for limited space applications and light to moderate duty applications.

**SAFL-FP9** with SA eccentric locking collar style is also available.

Duty: Standard

**5 Light 3-Bolt Flange Units**



**SBTFD-H4RKP8**



**SATFD-FH4P9**

**SATFD** is a compact and lightweight three-bolt flange unit with square bolt holes for carriage bolts and a ductile iron housing for added strength. It is ideal for limited space applications and light to moderate duty applications.  
with ductile iron housing

Duty: Light

**6 Light 2-Bolt Flange Units**



**BLF**



**ALF**

**BLF** is a compact and lightweight two-bolt flange unit which is ideal for limited space applications and light to moderate duty applications.

**ALF** with SA eccentric locking collar style is also available.

Duty: Light

**7 Compact 2-Bolt Flange Units**



**UFL**



**UFL-C, D**

**UFL** is a light duty two-bolt flange unit that is part of the Clean Series. It has a zinc-alloy housing for a high level of corrosion resistance and it is capable of accepting end covers to increase contamination resistance.

Duty: Light

**8 Corrosion Resistant Series 2-Bolt Flange Units**



**UCSFL-H1S6**  
**UCSFL-EH1S6**



**USFL-S6**

**UCSFL** is a two-bolt flange unit that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard

**USFL-S6** is a light duty stainless two-bolt flange unit that is part of the Clean Series. It has a stainless housing for a high level of corrosion resistance and it is capable of accepting end covers to increase contamination resistance.

Duty: Light



**UCVFL-S6**  
**UCVFL-ES7**

**UCVFL** is a two-bolt flange unit with a corrosion resistant thermo-plastic housing and the option of either a stainless steel bearing insert or a zinc chromate plated bearing insert. Both bearing inserts offer a high level of corrosion resistance and they are factory lubricated with food grade grease.

Duty: Standard



### 3 Models

#### (3 Oval Flange Units)

##### 9 Corrosion Resistant Series 3-Bolt Flange Units



**UCVFB-E57**

**UCVFB** is a three-bolt flange unit that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard

#### 4 4-Bolt Flange Cartridge Units

##### 1 4-Bolt Flange Cartridge Units



**UCFC  
UCFCX-E  
UCFCF**



**NCFC**

**UCFC** is piloted flange cartridge units with rigid cast iron housings and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions. The pilot on the back of the housing allows for precise mounting where necessary. UK, NA styles are also available.

Duty: Standard, Medium

**NCFC** is a piloted flange cartridge unit with a specially designed concentric locking collar that provides 360 degrees of shaft contact. It produces a more concentric lock on the shaft compared to other locking styles and it functions very well for high speed.

Duty: Standard



**UKFC+H**

##### 2 Narrow Inner Ring Bearing 4-Bolt Flange Cartridge Units



**SBFC-RKP8**



**SAFC-FP9**

**SBFC-RKP8** is a lightweight bearing mounted 4-Bolt Flange Cartridge Units which is ideal for limited space applications and light to moderate duty applications.

**SAFC-FP9** with SA eccentric locking collar style is also available.

Duty: Standard

##### 3 Corrosion Resistant Series 4-Bolt Flange Cartridge Units



**UCSFC-H156**

**UCSFC** is a four-Bolt Flange Cartridge Units that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard

5 Stamped Steel Plate Flange Units

1 Stamped Steel 3-Bolt Flange Cartridge Units



SBPF



SAPF

**SBPF** is a round three-bolt flange unit with a lightweight and compact stamped steel housing for light to moderate duty applications.

**SAPF** with SA eccentric locking collar style is also available.

Duty: Light

2 Stamped Steel 2-Bolt Flange Units



SBPFL



SAPFL

**SBPFL** is a two-bolt flange unit with a lightweight and compact stamped steel housing for light to moderate duty applications.

**SAPFL** with SA eccentric locking collar style is also available.

Duty: Light

6 Take-Up Units

1 Take-Up Units



UCT  
UCT-E



NAT-E

**UCT** is a wide-slot take-up unit suitable for use in a side-mount take-up frame. It has a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions.

UK style is also available.

Duty: Standard, Medium, Heavy



NCT  
NCT-E



UKT+H

**NAT** is a wide-slot take-up unit with an eccentric locking collar insert that provides a very secure grip to the shaft that becomes even more secure during continued operation. It is specifically used for single-direction/non-reversing rotation.

Duty: Standard

**NCT** is a wide-slot take-up unit with a specially designed concentric locking collar that provides 360 degrees of shaft contact. It produces a more concentric lock on the shaft compared to other locking styles and it functions very well for high speed applications.

Duty: Standard



UCTRS

**UCTRS** is a narrow slot take up unit. It has a rigid cast iron housing and two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions.

Duty: Standard

### 3 Models

#### (6 Take-Up Units)

##### 2 Corrosion Resistant Series Take-Up Units



**UCST-H1S6**  
**UCST-EH1S6**

**UCST** is a wide-slot take-up unit that is made entirely out of stainless steel components for the highest level of corrosion resistance for a mounted bearing unit. It is also pre-filled with food grade grease for food processing applications.

Duty: Standard

##### 3 Section Steel Frame Take-Up Units



**UCTH**

**UCTH** is a Take-Up unit with section a steel frame.

Duty: Standard

##### 4 Channel Steel Frame Take-Up Units



**UCTL**

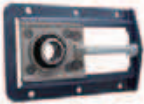


**UCTU**

**UCTL** is a Take-Up unit with a channel steel frame.  
Duty: Standard

**UCTU** is a Take-Up unit with a channel steel frame.  
Duty: Standard, Heavy

##### 5 Steel Plate Frame Take-Up Units



**SBPTH**



**SBNPTH**

**SBPTH** is a Take-Up unit with a steel plate frame.  
Duty: Standard

**SBNPTH** is a Take-Up unit with a steel plate frame.  
Duty: Standard

#### 7 Other Units

##### 1 Cartridge Units



**UCC**



**UKC+H**

**UCC** is a cartridge unit with two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions. The cartridge housing allows for precise shaft mounting and expansion capability where necessary. UK, NA, NC styles are also available.

Duty: Standard, Medium, Heavy

##### 2 Hanger Units



**UCHA**

**UCHA** is a hanger unit with a threaded-base for simple installation on a threaded pipe mounting configuration. It has two specially designed set screws in the inner-ring spaced at 120 degrees for maximum holding power and reliability for a wide variety of applications and operating conditions.

Duty: Standard

## 8 Ball Bearing Inserts

### 1 UC inserts



UC



UC-L3



UC-S6

with set screws

**UC2 (X, 3)**... Standard type      Duty: Standard, Medium, Heavy

**UC2 (X, 3) L3**... Triple-lip seal type

**UC2-S6**... Stainless steel series      Duty: Standard

This deep grooved ball bearing insert with rubber seal and metal slinger comes pre-lubricated with FYH grease. This insert incorporates a wide inner ring design with FYH Bullet Point setscrews as a standard, at 120 degrees apart to affix the insert to the shafting. The setscrew locking design with wide inner ring is the most common insert and can be used in a wide variety of applications. The spherical O.D. of the insert has both a grease groove as well as grease holes to re-lubricate the insert when needed. The UC insert can be ordered with a triple lip seal by using a L3 designation in the suffix.

The UC-S6 series incorporates the same design and dimensions as a standard UC insert but is constructed of 316 grade stainless steel for wash down and other corrosive environments. These inserts come with food grade grease as a standard, and a primary used in food, pharmaceutical, fertilizer and demanding applications.

### 2 UK inserts



UK



UK+H



UK-L3



UK-L3+H

with adapter

**UK2 (X, 3)**... Standard type      Duty: Standard, Medium, Heavy

**UK2 (3) L3**... Triple-lip seal type

This deep grooved ball bearing insert with rubber seal and metal slinger comes pre-lubricated with FYH grease. The UK series incorporates a tapered inner ring and uses corresponding adaptors to determine the bore size and affix it to the shaft. The UK series is perfect for applications where shock load can damage other locking devices. The tapered bore with adaptor provides true 360 degree shaft contact that runs the entire length of the inner ring. The spherical O.D. has a grease groove and grease holes for re-lubrication. The insert and adaptor come as two separate items and must be ordered separately. The insert is also available in a triple lip design by adding the L3 designation to the suffix.

### 3 NC inserts



NC

with concentric locking collar

**NC2**

Duty: Standard

The FYH NU-LOC bearing features a concentric locking collar that allows for 360 degrees of locking contact. This deep groove ball bearing insert uses a grooved inner ring with a collar that incorporates a hex screw that is tightened to squeeze equally against the inner ring. The NU-LOC insert has a spherical O.D. and has grease grooves and grease holes for re-lubricating.

The roundness of the ball path created by the NU-LOC bearing results in better operation and longer life. The collar is designed to prevent shaft marring and burring that can occur with other locking options.



### 3 Models

#### (8 Ball Bearing Inserts)

##### 4 NA inserts



NA

with eccentric locking collar

**NA2**

Duty: Standard, Heavy

This deep grooved ball bearing insert with rubber seal and metal slinger comes pre-lubricated with FYH grease. This insert incorporates a wide inner ring design with an eccentric locking collar for securing the insert to the shafting. The insert has grease holes and a grease groove on the outer ring for re-lubrication.

The spherical O.D. allows this insert to be installed in a wide range of housings. When the insert is affixed to the shaft, the eccentric collars' elliptical shape meshes with the elliptical surface of the inner ring.

The turning of the inner ring locks the shafting in place and a setscrew is tightened to keep it from slipping.

##### 5 SB inserts



SB



SB-RKP8

with set screws

**SB2**

Duty: Light

This is a deep grooved ball bearing insert with spherical O.D. comes from the factory pre-lubricated with FYH grease. This bearing can be ordered in either re-lube style or sealed for life. The re-lube style has a grease groove and grease holes on the O.D. while the lubed for life does not. The SB series has the same load ratings as a UC bearing but has a narrow inner ring, and uses a one piece seal and slinger design rather than a separate seal and slinger. This insert affixes to the shafting using two set screws at 120 degrees apart. To order this same bearing with a cylindrical O.D. use the designation SBB.

##### 6 SA inserts



SA



SA-F

with eccentric locking collar

**SA2, SA2-F**

Duty: Light

This deep grooved ball bearing unit with spherical O.D. is the same as the SB type insert, but uses an eccentric locking collar for affixing to the shafting. This insert comes from the factory pre-lubricated with FYH grease. This bearing can be ordered in either re-lube style or sealed for life. The re-lube style has a grease groove and grease holes on the O.D. while the lubed for life does not. This series also has a re-lube backside style. The backside re-lube is designated by an F in the suffix to be compatible with others in the industry.

When the insert is affixed to the shaft, the eccentric collars' elliptical shape meshes with the elliptical surface of the inner ring.

The turning of the inner ring locks the shafting in place and a setscrew is tightened to keep it from slipping. To order this same bearing with a cylindrical O.D. use the designation SAA.



SA-FP9

7 SU inserts (Small size)



SU



SU-S6

with set screws

**SU0**...Standard type

Duty: Light

**SU0-S6**...Stainless steel

This deep groove ball bearing insert is intended for very light loads and is used in light duty conveying applications as part of our Clean Series. This bearing has a spherical O.D. and comes pre-lubricated from the factory. These inserts have a spherical O.D. with a wider inner ring and have no grease groove or grease holes for re-lubrication. Two setscrews at 120 degrees apart affix this insert to the shafting. The SU-S6 bearing is constructed of stainless steel material and is used as part of our stainless Clean Series. The stainless material is superior in corrosion resistance compared to the normal clean series insert.

8 ER inserts



ER



ERC

with set screws, cylindrical O.D. lubricating mechanism, locating snap ring and snap ring groove

**ER2, ERC2**

Duty: Standard

This deep groove ball bearing insert with a rubber seal and metal slinger come pre-lubricated with FYH grease. The ER series has a cylindrical O.D. with grease groove and grease holes outer ring for re-lubrication. The ER series uses two FYH Bullet Point type setscrews at 120 degrees apart to affix it to the shafting. The ER bearings have a snap ring on the outer ring to help make locating the bearing a simple task during installation. ERC with NU-LOC concentric locking collar style is also available.

9 RB inserts



RB

with set screws, cylindrical O.D.

**RB2**

Duty: Standard

This deep groove ball bearing insert with a rubber seal and metal slinger come pre-lubricated with FYH grease. The RB series has a cylindrical O.D. and has the same dimensions as the ER series but does not have a snap ring for locating or a grease groove and grease holes for re-lubrication. The RB series uses two FYH Bullet Point type setscrews at 120 degrees apart to affix it to the shafting.



### 3 Models

#### (8 Ball Bearing Inserts)

##### 10 SC inserts



SC

**SC2**

Duty: Light

The SC series is a non-extending inner ring insert with a spherical outer-diameter which allows it to be mounted in a traditional housing. The bore tolerance is more precise than typical mounted bearings so press-fit shaft mounting can be accomplished.

##### 11 SBB, SAA inserts



SBB-RK



SAA-F

with set screws, cylindrical O.D.

**SBB2, SAA2-F**

Duty: Light

The SBB and SAA insert series' both have a cylindrical outer diameter for press-fit mounting directly into component machinery. They are not self-aligning or capable of being mounted into traditional housings.

##### 12 Adapter



H2300X

Adapter

**H2300X**

The H2300X adapter series' are for use in the tapered-bore UK series. Proper assembly of adapter sleeves can create excellent holding power on the shaft.