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COC

SRB

Spherical Roller
Bearing Units



COO Unitized Spherical Roller Bearing Units

A new brand released in 2019 from Japan introduces innovative new designs and features to handle the world's power transmissions needs.

- Simple to install, Simple to remove
- Better seals for longer life
- 360 degree clamping eliminates vibration

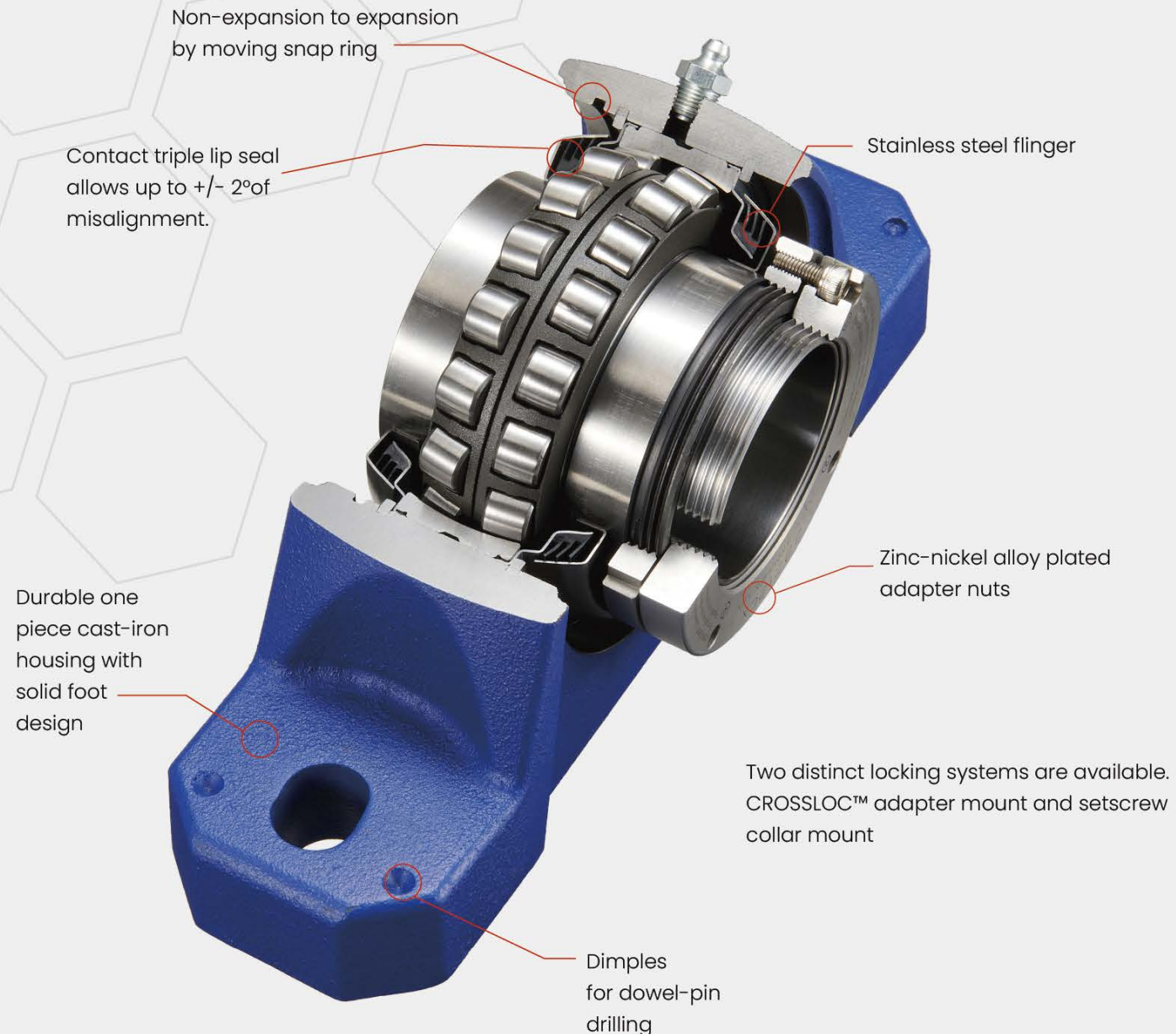


CONTENTS

FEATURES	3
NOMENCLATURE	10
CROSSLOC™ -CX	11
CROSSLOC™ -CXC	17
SETSCREW -CS	29
END COVER	41
OPEN COVER	43
TECHNICAL/SELECTION	47
SELECTION CHART	53
INTERCHANGE GUIDE	55

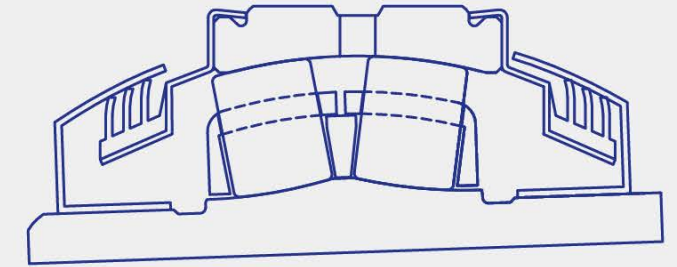


Seal lips contact evenly at any angle.

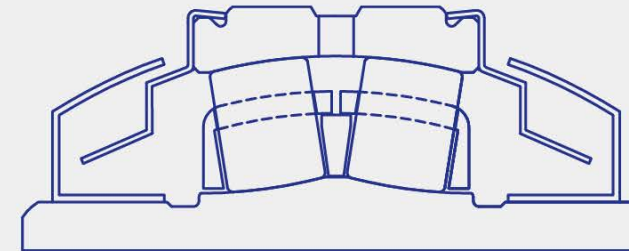


Contact Seal Protection

Our original designed triple lip seal maintains positive contact with the flingers at virtually any angle of shaft mis-alignment up to $\pm 2^\circ$. The stainless steel flinger shields the seals and bearing from contamination and damage.



Labyrinth seals without rubber lips are available for higher speeds and temperatures. Labyrinth seals reduce operating temperatures at higher speeds.



Non-expansion to Expansion

When your application needs to be able to accommodate thermal expansion of the shafting, use only one fixed bearing on each shaft. By simply moving a snap ring on the back of the unit the bearing can easily be converted from non-expansion to expansion or vice versa.

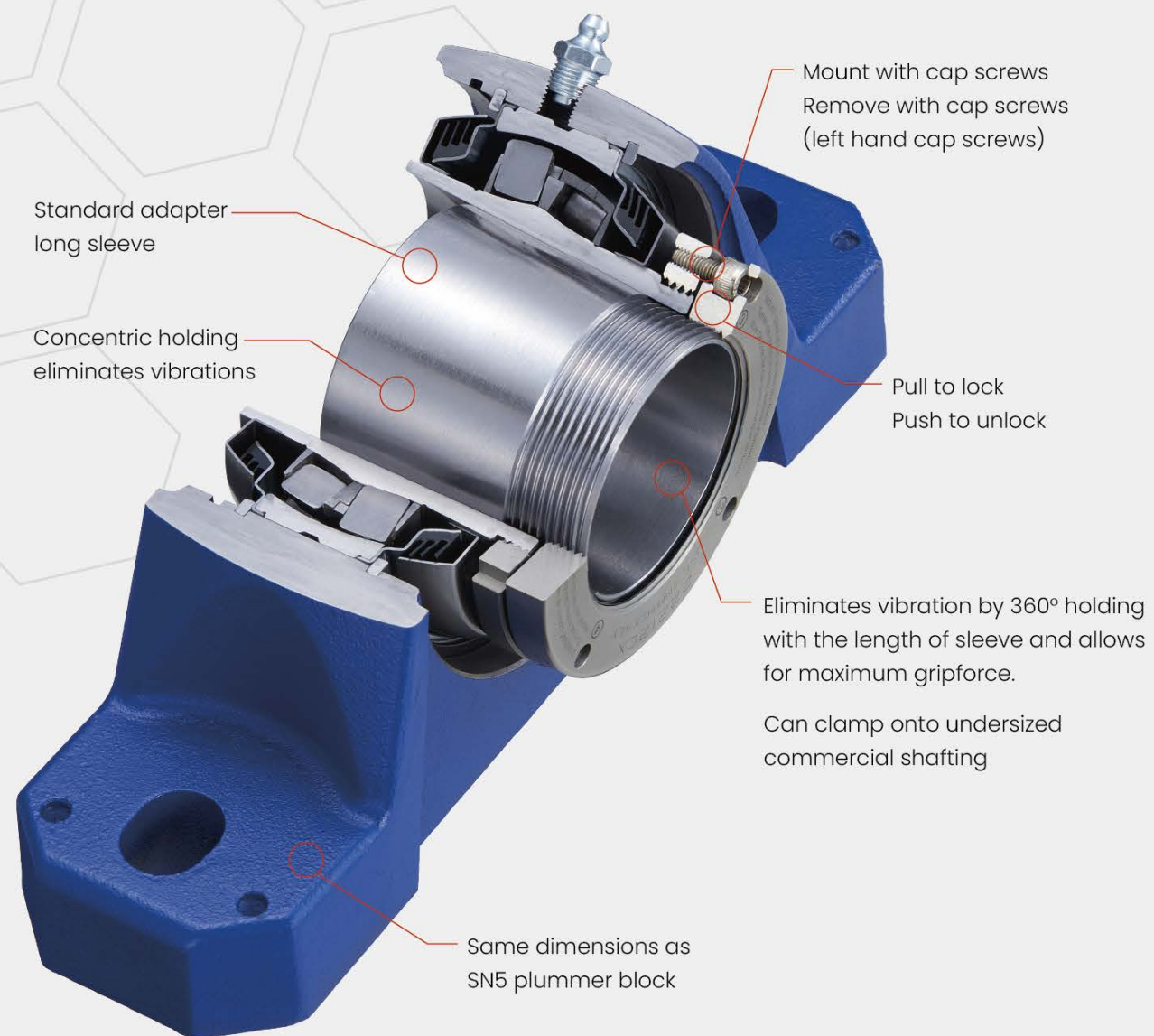
Lubricant

Our lithium complex grease has good Extreme Pressure (EP) & Antiwear (AW) additives, water resistance and corrosion protection. It has also good shear stability. It can be used for a wide temperature range from -20°C (-4°F) to $+160^\circ\text{C}$ ($+320^\circ\text{F}$), and up to $+200^\circ\text{C}$ ($+392^\circ\text{F}$) for short periods.



CROSSLOC™

Compatible with SN & SAF units



Our CROSSLOC™ adapter locking system with SN and SAF dimension housings are unitized replacements for standard SN and SAF split housing units. It's a great off-the-shelf solution that saves time and money.

Our patented adapter mount system, CROSSLOC™ utilizes cap screws that allows you to easily mount or dismount our bearing from one side. Tighten cap screws in a star pattern to mount and loosen to dismount. It requires only a hex key. It's great for the undersized commercial shafts and holds with total shaft contact.

No feeler gauges, marker, and hammer are required.
It's just a hex key.

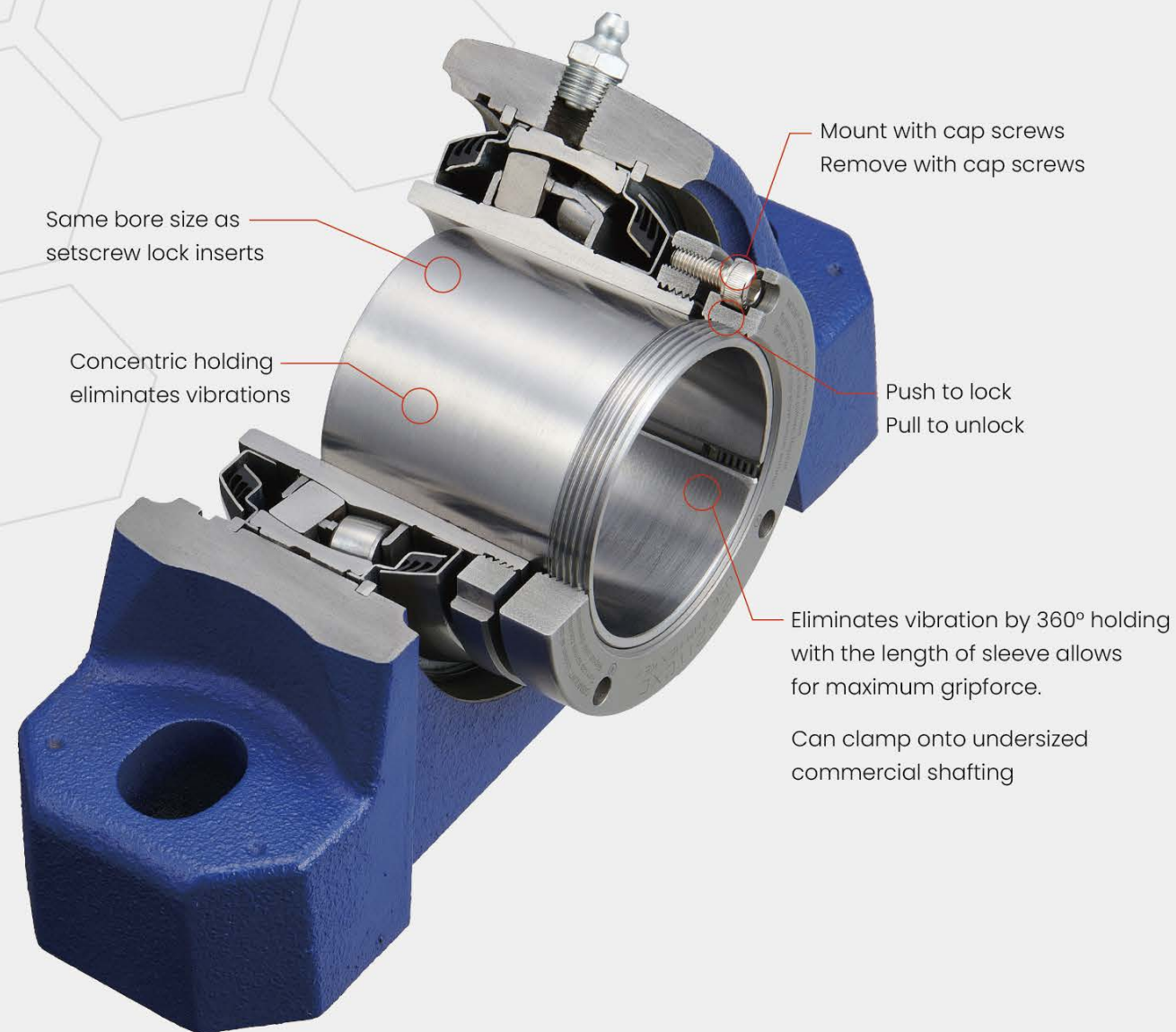


We use standard market adapter sleeves for our locking system for 100% compatibility with SN and SAF products. Same size bearings as standard SN and SAF are not derating the capavity. Our SN and SAF are shaft ready units that are factory sealed, pre-lubricated, and assembled.



CROSSLOC™ CXC

Compatible with CS setscrew collar units

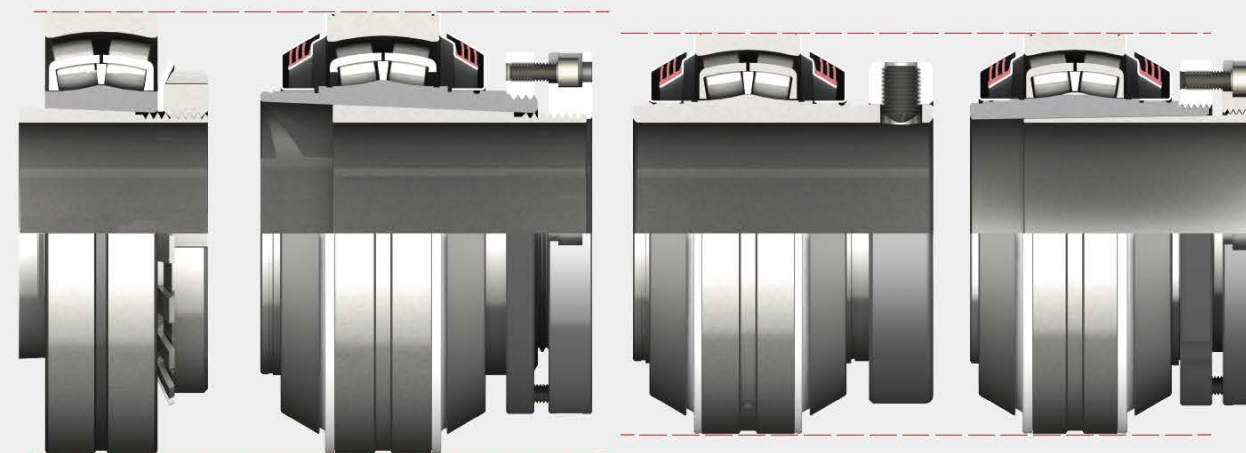


22200K
+ ADAPTER

CX
CROSSLOC™

CS
SETSCREW LOCK

CXC
CROSSLOC™



STANDARD
SN & SAF

UNITIZED
SN & SAF ONLY

FOR ALL OTHER HOUSINGS

22200K and CROSSLOC™ CX bearings are the one size bigger O.D. size than CS setscrew lock inserts to accommodate standard adapter sleeve.

CROSSLOC™ CXC bearing is the same O.D. size version as CS setscrew lock cylindrical bore inserts. It's one size smaller O.D. than CROSSLOC™ CX inserts for SN and SAF housings. We use our original thinner wall and lower angle tapered sleeve for CROSSLOC™ CXC to be compatible with dimensions of CS setscrew lock inserts.



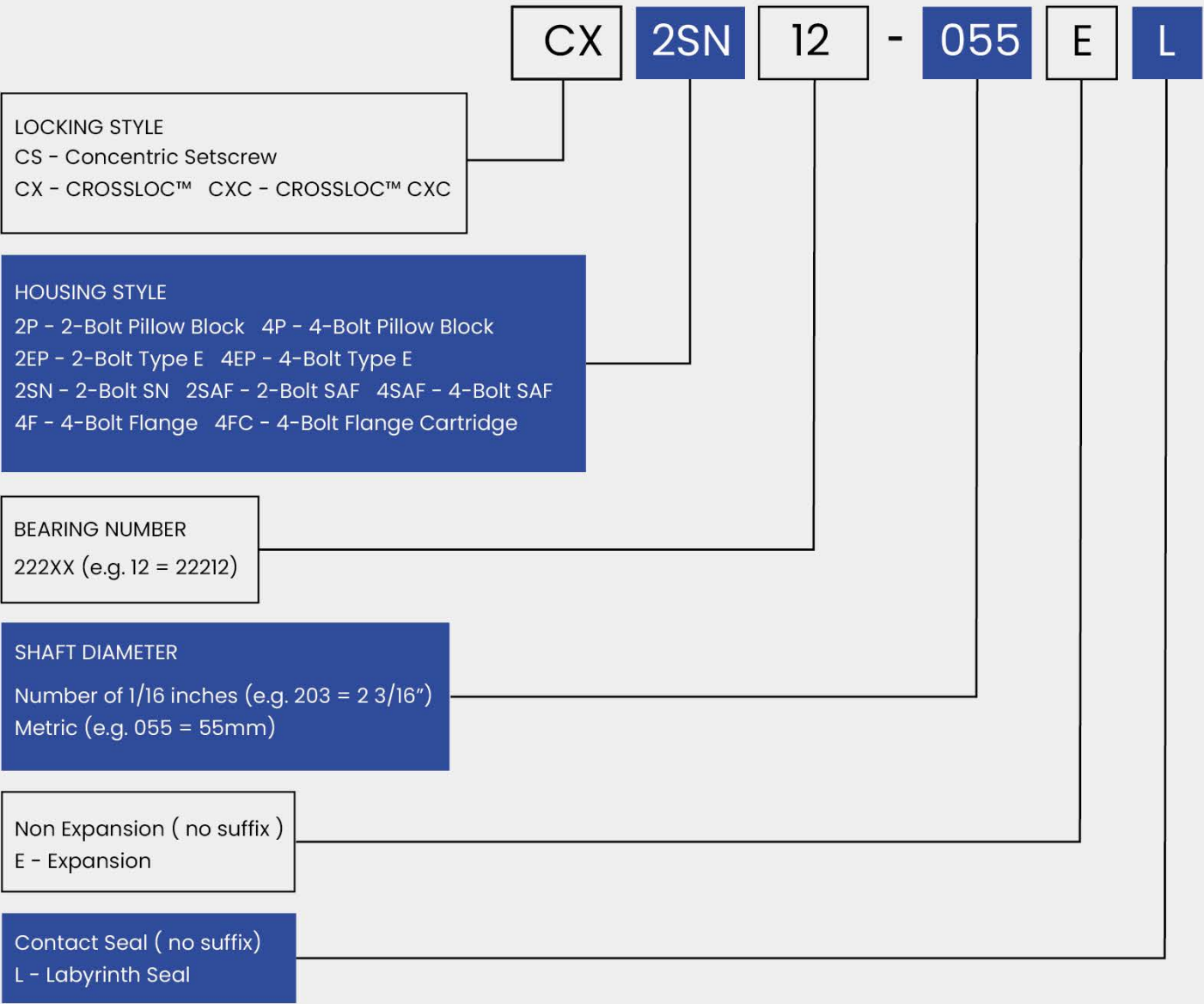
Scan QR code to display important information.

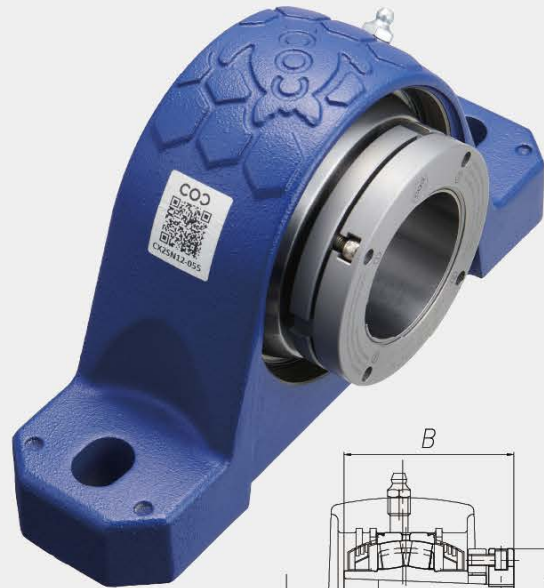
- Dimensions of scanned part number
- Installation instructions with videos
- Maintenance & lubrication information

QR code has both the web link & serial number of the scanned product.



Nomenclature





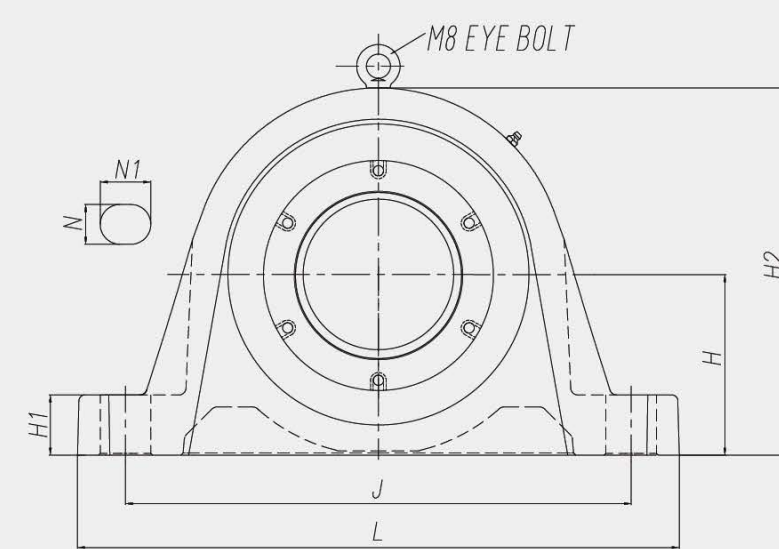
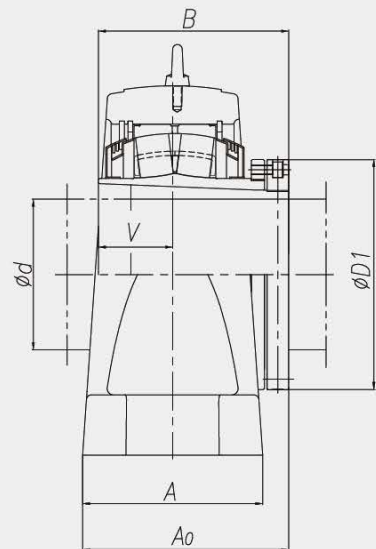
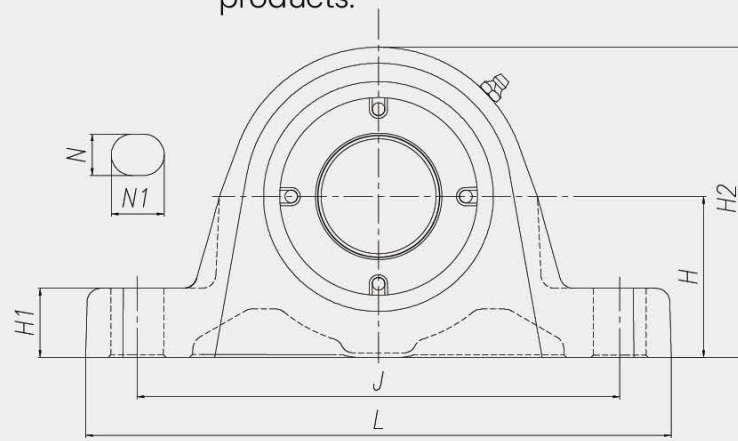
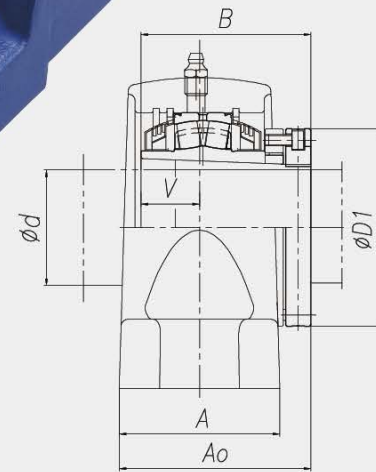
CX2SN

CROSSLOC™

CROSSLOC™ lock spherical roller bearing with two bolt SN dimension pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.

Interchangeable with SN dimensioned products.



CX2SN28-125 - CX2SN32-140

Unit Number	Bearing Number	Shaft Dia. d	Sleeve	H	L	A	J	N	N1	H1	H2	D1	V	A0	B	Bolt Size	Weight
				in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs kg
CX2SN10-112	22210	1 3/4 in.	BE2310X	2-23/64	8-1/16	2-23/64	6-11/16	19/32	25/32	63/64	4-17/32	3-3/32	29/32	3-3/64	2-49/64	1/2	9.04
CX2SN10-045		45 mm	B2310X	60	205	60	170	15	20	25	115	78	23.21	77.29	70.5	M12	4.10
CX2SN11-115	22211	1-15/16 in.	AA2311X	2-3/4	10-1/32	2-3/4	8-1/4	23/32	29/32	1-3/16	5-5/16	3-3/8	1	3-9/32	2-29/32	5/8	14.2
CX2SN11-050		50 mm	A2311X														
CX2SN11-200		2 in.	AE2311X														
CX2SN12-055	22212	55 mm	A2312X	2-3/4	10-1/32	2-3/4	8-1/4	23/32	29/32	1-3/16	5-5/16	3-17/32	1-9/64	3-27/64	3-3/16	5/8	13.7
				70	255	70	210	18	23	30	135	90	29.00	87	81.00	M16	6.23
CX2SN13-203	22213	2-3/16 in.	AA2313X	3-5/32	10-27/32	3-5/32	9-1/16	23/32	29/32	1-3/16	6-3/32	3-25/32	1-3/16	3-3/4	3-3/8	5/8	18.7
CX2SN13-060		60 mm	A2313X														
				80	275	80	230	18	23	30	155	96	30.35	95.35	85.70	M16	8.46
CX2SN15-207	22215	2-7/16 in.	AA2315X	3-5/32	10-27/32	3-5/32	9-1/16	23/32	29/32	1-3/16	6-3/32	4-1/8	1-1/4	3-51/64	3-15/32	5/8	18.4
CX2SN15-065		65 mm	A2315X														
				80	275	80	230	18	23	30	155	105	31.56	96.56	88.12	M16	8.34
CX2SN16-211	22216	2-11/16 in.	AA2316X	3-3/4	12-19/32	3-17/32	10-1/4	7/8	1-1/16	1-1/4	7-9/32	4-17/32	1-9/32	4-5/32	3-21/32	3/4	29.9
CX2SN16-070		70 mm	A2316X														
				95	320	90	260	22	27	32	185	115	32.50	105.50	93.00	M20	13.58
CX2SN17-215	22217	2-15/16 in.	AA2317X	3-3/4	12-19/32	3-17/32	10-1/4	7/8	1-1/16	1-1/4	7-9/32	4-23/32	1-25/64	4-17/64	3-57/64	3/4	29.4
CX2SN17-075		75 mm	A2317X														
CX2SN17-300		3 in.	AE2317X														
				95	320	90	260	22	27	32	185	120	35.50	108.50	99.00	M20	13.32
CX2SN18-080	22218	80 mm	A2318X	3-15/16	13-19/32	3-15/16	11-7/16	7/8	1-1/16	1-3/8	7-11/16	5	1-15/32	4-35/64	4-1/16	3/4	35.8
				100	345	100	290	22	27	35	195	127	37.51	115.51	103.02	M20	16.22
CX2SN19-085	22219	85 mm	A2319X	4-13/32	13-19/32	3-15/16	11-7/16	7/8	1-1/16	1-3/8	8-1/4	5-3/16	1-39/64	4-43/64	4-5/16	3/4	39.7
				112	345	100	290	22	27	35	210	132	40.80	118.8	109.60	M20	18.00
CX2SN20-307	22220	3-7/16 in.	AA2320X	4-13/32	14-31/32	4-11/32	12-19/32	1-1/32	1-1/4	1-9/16	8-19/32	5-21/32	1-21/32	5-5/32	4-21/32	7/8	49.6
CX2SN20-090		90 mm	A2320X														
				112	380	110	320	26	32	40	218	144	42.08	131.08	118.16	M24	22.48
CX2SN22-100	22222	100 mm	A2322X	4-15/16	16-5/32	4-23/32	13-25/32	1-1/32	1-1/4	1-25/32	9-15/32	6-1/8	1-31/32	5-5/8	5-15/64	7/8	64.1
CX2SN22-315		3-15/16 in.	A2322X														
				125	410	120	350	26	32	45	240	156	50.00	143.00	133.00	M24	29.07
CX2SN24-110	22224	110 mm	A2324X	5-1/2	16-5/32	4-23/32	13-25/32	1-1/32	1-1/4	1-25/32	10-21/32	6-11/16	2-7/64	5-27/32	5-19/32	7/8	83.0
				140	410	120	350	26	32	45	270	170	53.60	148.60	142.20	M24	37.64
CX2SN26-407	22226	4-7/16 in.	AA2326X	5-29/32	17-17/32	5-1/8	14-31/32	1-3/32	1-13/32	1-31/32	11-7/16	7-7/16	2-19/64	6-15/64	5-31/32	7/8	105.6
CX2SN26-115		115 mm	A2326X														
				150	445	130	380	28	36	50	290	189	58.20	158.20	151.40	M24	47.89
CX2SN28-125	22228	125 mm	A2328X	5-29/32	19-11/16	5-29/32	16-17/32	1-5/16	1-21/32	1-31/32	12	7-1/2	2-27/64	6-3/4	6-7/32	1-1/4	129.0
CX2SN28-415		4-15/16 in.	AA2328X														
				150	500	150	420	33	42	50	305	191	61.50	171.50	158.00	M30	58.49
CX2SN30-135	22230	135 mm	A2330X	6-5/16	20-7/8	6-5/16	17-23/32	1-5/16	1-21/32	2-3/8	12-25/32	8-1/8	2-31/64	7-11/64	6-1/2	1-1/4	158.0
				160	530	160	450	33	42	60	325	206	63.00	182.00	165.00	M30	71.68
CX2SN32-507	22232	5-7/16 in.	AA2332X	6-11/16	21-21/32	6-5/16	18-1/2	1-5/16	1-21/32	2-3/8	13-19/32	8-21/32	2-21/32	7-3/8	6-57/64	1-1/4	189.0
CX2SN32-508		5-1/2 in.	AE2332X														
CX2SN32-140		140 mm	A2332X														
				170	550	160	470	33	42	60	345	220	67.50	187.50	175.00	M30	85.76



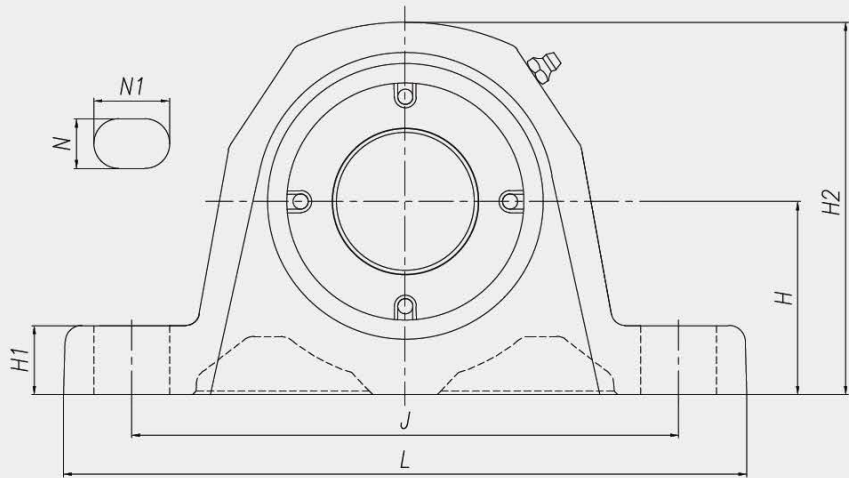
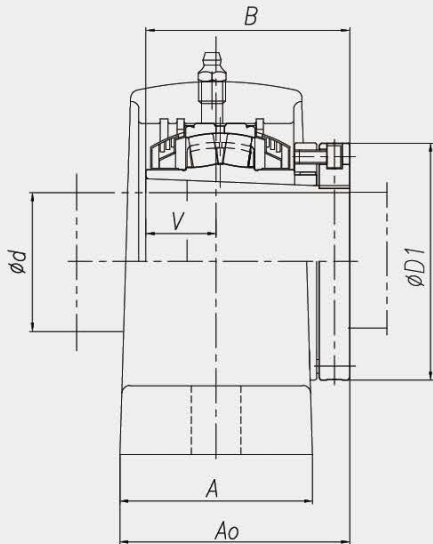
CX2SAF

CROSSLOC™

CROSSLOC™ lock spherical roller bearing with two bolt SAF dimension pillow block housing.

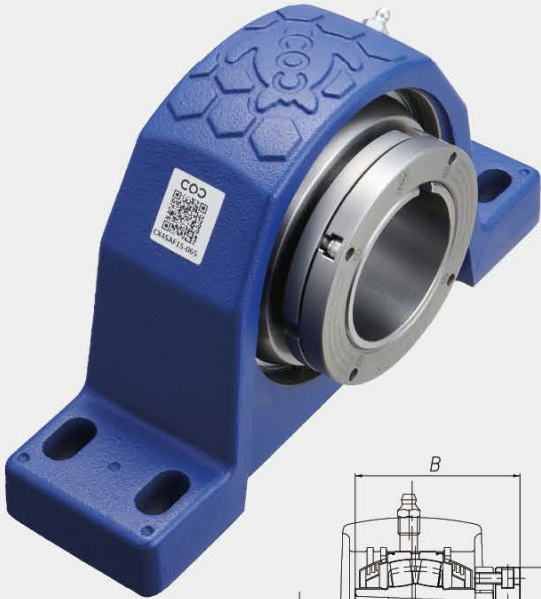
360° holding with the length of sleeve allows for maximum gripforce.

Interchangeable with SAF dimensioned products.



Unit Number	Bearing Number	Shaft Dia. d	Sleeve	H	L	A	J	N	N1	H1	H2	D1	V	A0	B	Bolt Size	Weight
				in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs kg
CX2SAF10-111	22210	1-11/16 in.	BA2310X														
CX2SAF10-112		1-3/4 in.	BE2310X	2-1/2 63.5	8-9/32 210	2-23/64 60	6-23/32 171	19/32 15	7/8 22	1-1/8 28	4-21/32 118	3-3/32 78	29/32 23.21	3-1/32 77.05	2-49/64 70.5	1/2 M12	9.9 4.5
CX2SAF10-045		45 mm	B2310X														
CX2SAF11-115	22211	1-15/16 in.	AA2311X														
CX2SAF11-050		50 mm	A2311X	2-3/4 69.85	9-3/4 247	2-3/4 70	7-13/16 198.5	23/32 18	1-3/32 27.7	1 25	5-5/16 135	3-3/8 86	1 25.45	3-9/32 83.45	2-29/32 73.90	5/8 M16	13.2 5.99
CX2SAF11-200		2 in.	AE2311X														
CX2SAF13-203	22213	2-3/16 in.	AA2313X														
CX2SAF13-060		60 mm	A2313X	3 76.2	11-1/32 280	3-5/32 80	8-25/32 223.5	23/32 18	1-3/16 30.5	1-1/32 26	6-1/16 154	3-25/32 96	1-3/16 30.35	3-3/4 95.35	3-3/8 85.70	5/8 M16	15.6 7.08
CX2SAF15-207	22215	2-7/16 in.	AA2315X														
CX2SAF15-065		65 mm	A2315X	3-1/4 82.55	11-3/16 284	3-5/32 80	9-1/8 232	23/32 18	1-5/32 29	1-3/16 30	6-5/16 160	4-1/8 105	1-1/4 31.56	3-51/64 96.56	3-15/32 88.12	5/8 M16	20.7 9.43
CX2SAF16-211	22216	2-11/16 in.	AA2316X														
CX2SAF16-070		70 mm	A2316X	3-1/2 88.9	13 330	3-17/32 90	10-5/16 262	7/8 22	1-15/32 37	1-3/32 27.6	7-1/16 179	4-17/32 115	1-9/32 32.50	4-5/32 105.50	3-21/32 93.00	3/4 M20	29.9 13.6
CX2SAF17-215	22217	2-15/16 in.	AA2317X														
CX2SAF17-075		75 mm	A2317X	3-3/4 95.25	13 330	3-17/32 90	10-5/16 262	7/8 22	1-15/32 37	1-11/32 34	7-9/32 185	4-23/32 120	1-25/64 35.50	4-17/64 108.50	3-57/64 99.00	3/4 M20	31.3 14.25
CX2SAF20-307	22220	3-7/16 in.	AA2320X														
CX2SAF20-090		90 mm	A2320X	4-1/2 114.3	15-9/32 388	4-11/32 110	12-3/8 314	1-1/32 26	1-11/16 43	1-21/32 42	8-21/32 220	5-21/32 144	1-21/32 42.08	5-5/32 131.08	4-21/32 118.16	7/8 M24	52.6 23.89





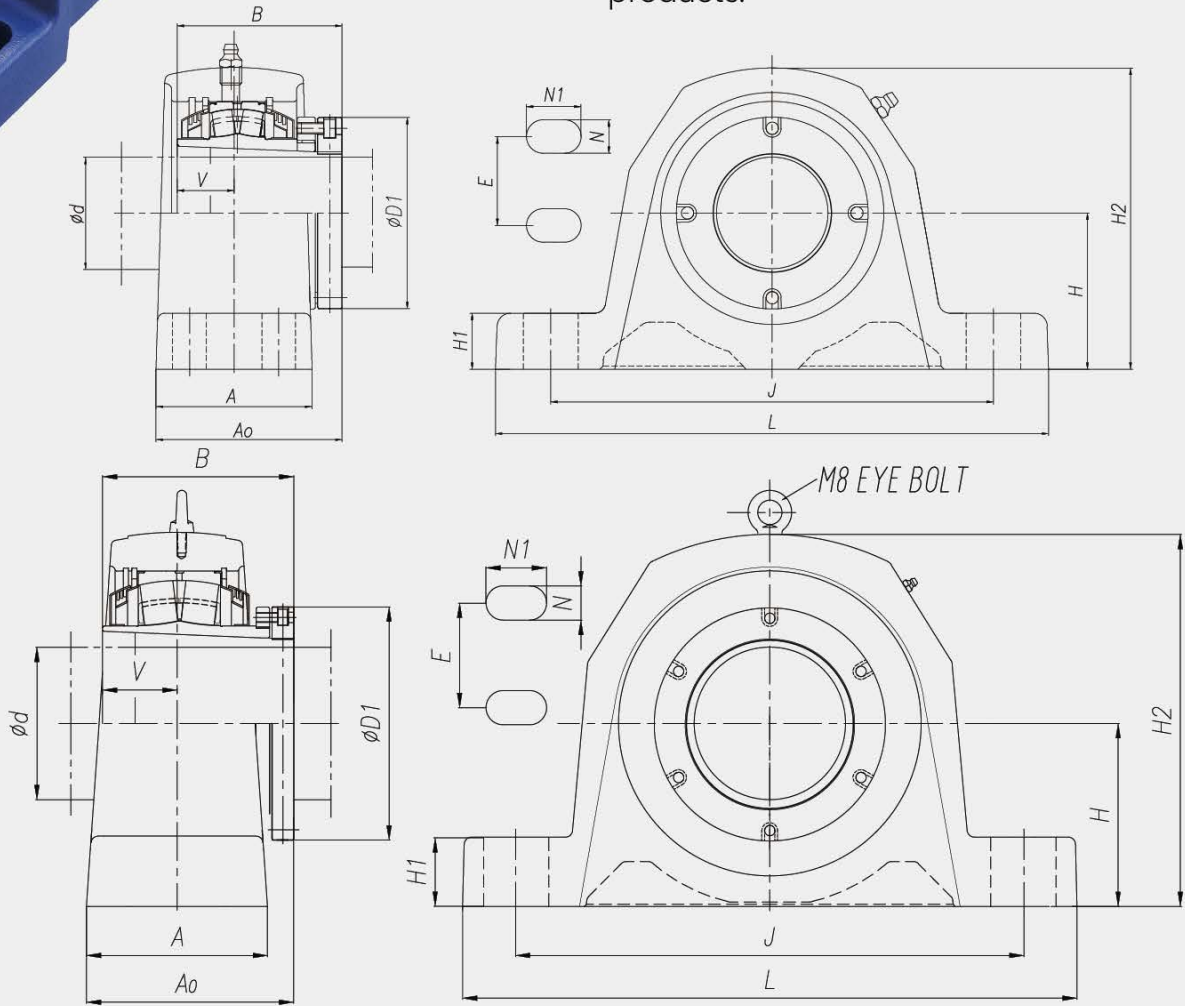
CX4SAF

CROSSLOC™

CROSSLOC™ lock spherical roller bearing with four bolt SAF dimension pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.

Interchangeable with SAF dimensioned products.



CX4SAF28-125 - CX4SAF32-140

Unit Number	Bearing Number	Shaft Dia. d	Sleeve	H	L	A	J	N	N1	E	H1	H2	D1	V	A0	B	Bolt Size	Weight
				in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs kg
CX4SAF15-207	22215	2-7/16 in.	AA2315X	3-1/4	11-3/16	3-5/32	9-1/8	19/32	1-1/32	1-7/8	1-3/16	6-5/16	4-1/8	1-1/4	3-51/64	3-15/32	1/2	20.5
CX4SAF15-065		65 mm	A2315X	82.55	284	80	232	15	26	47.8	30	160	105	31.56	96.56	88.12	M12	9.33
CX4SAF16-211	22216	2-11/16 in.	AA2316X	3-1/2	13	3-17/32	10-5/16	23/32	1-11/32	2-1/8	1-3/32	7-1/16	4-17/32	1-9/32	4-5/32	3-21/32	5/8	29.3
CX4SAF16-070		70 mm	A2316X	88.90	330	90	262	18	34	54	27.6	179	115	32.50	105.50	93.00	M16	13.3
CX4SAF17-215	22217	2-15/16 in.	AA2317X	3-3/4	13	3-17/32	10-5/16	23/32	1-11/16	2-1/8	1-11/32	7-9/32	4-23/32	1-25/64	4-17/64	3-57/64	5/8	30.7
CX4SAF17-075		75 mm	A2317X	95.25	330	90	262	18	34	54	34	185	120	35.50	108.50	99.00	M16	13.95
CX4SAF20-307	22220	3-7/16 in.	AA2320X	4-1/2	15-9/32	4-11/32	12-3/8	7/8	1-9/16	2-3/8	1-21/32	8-21/32	5-21/32	1-21/32	5-5/32	4-21/32	3/4	51.5
CX4SAF20-090		90 mm	A2320X	114.30	388	110	314	22	40	60.4	42	220	144	42.08	131.08	118.16	M20	23.39
CX4SAF22-100	22222	100 mm	A2322X	4-15/16	16-1/2	4-23/32	13-9/16	7/8	1-25/32	2-3/4	1-31/32	9-15/32	6-1/8	1-31/32	5-5/8	5-15/64	3/4	68.35
CX4SAF22-315		3-15/16 in.	A2322X	125.41	419	120	344	22	45	69.9	50	240	156	50.00	143.00	133.00	M20	31.07
CX4SAF26-407	22226	4-7/16 in.	AA2326X	6	18-3/8	5-1/8	15-9/32	15/16	1-5/8	3-1/4	2-3/8	11-1/2	7-7/16	2-19/64	6-15/64	5-31/32	7/8	114.62
CX4SAF26-115		115 mm	A2326X	152.4	467	130	388.5	24	41	82.6	60	292	189	58.20	158.20	151.40	M22	52.10
CX4SAF28-125	22228	125 mm	A2328X	6	20	5-29/32	16-1/2	1-3/32	1-31/32	3-3/8	2-3/8	12-3/32	7-1/2	2-27/64	6-3/4	6-7/32	1	132.46
CX4SAF28-415		4-15/16 in.	AA2328X	152.4	508	150	419	28	50	85.8	60	307	191	61.50	171.50	158.00	M24	60.21
CX4SAF32-507	22232	5-7/16 in.	AA2332X															
CX4SAF32-508		5-1/2 in.	AE2332X	6-11/16	21-7/8	6-5/16	18-5/16	1-3/32	1-15/16	3-3/4	2-19/32	13-19/32	8-21/32	2-21/32	7-3/8	6-57/64	1	193.82
CX4SAF32-140		140 mm	A2332X	169.86	556	160	465	28	49	95.3	66	345	220	67.50	187.50	175.00	M24	88.10



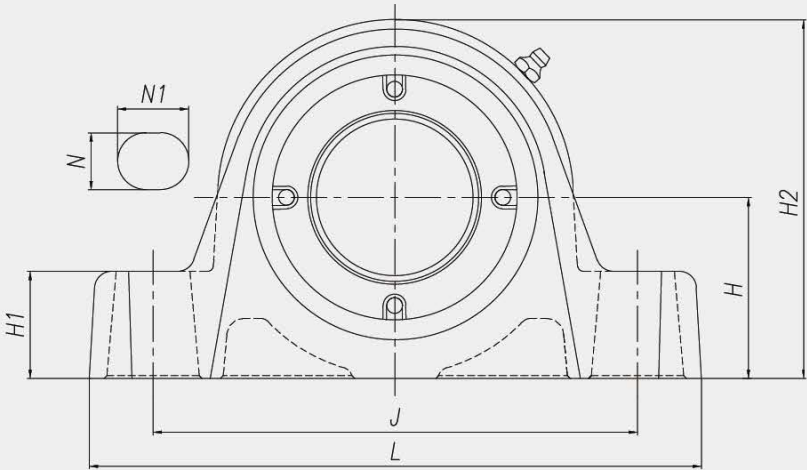
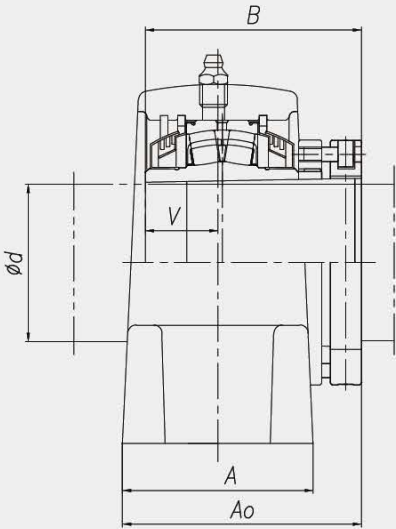


CXC2P

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with two bolt pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs	kg
CXC2P08-107	22208	1-7/16 in.	1-7/8 47.6	6-5/8 168	2-1/8 54	5 127	19/32 15	31/32 25	1-1/8 28	3-27/32 98	7/8 22.35	2-57/64 73.5	2-45/64 68.89	1/2 M12	5.52	2.51
CXC2P08-108		1-1/2 in.													5.48	2.49
CXC2P09-111	22209	1-11/16 in.	2-1/8 54	7-1/8 181	2-1/8 54	5-1/2 140	19/32 15	31/32 25	1-1/4 32	4-9/32 109	59/64 23.37	2-29/32 73.7	2-49/64 70.1	1/2 M12	7.33	3.33
CXC2P10-115	22210	1-15/16 in.	2-1/4 57.2	8 203	2-1/8 54	6-1/4 159	25/32 20	31/32 25	1-5/16 33	4-1/2 114	57/64 22.61	3-1/64 76.5	2-27/32 72.14	5/8 M16	8.65	3.93
CXC2P11-055	22211	55 mm	2-1/2 63.5	8-1/2 216	2-5/8 67	6-3/4 170	25/32 20	31/32 25	1-1/2 38	4-31/32 126	1 25.45	3-7/32 81.97	2-29/32 73.9	5/8 M16	11.64	5.29
CXC2P11-203		2-3/16 in.													11.48	5.22
CXC2P13-060	22213	60 mm	2-3/4 69.8	8-7/8 225	2-13/16 72	7-1/8 181	25/32 20	31/32 25	1-5/8 41	5-19/32 142	1-1/8 28.7	3-21/32 92.98	3-3/8 85.68	5/8 M16	15.38	6.99
CXC2P13-207		2-7/16 in.													15.26	6.94
CXC2P13-208		2-1/2 in.													15.18	6.9
CXC2P13-065		65 mm													14.94	6.78
CXC2P15-211	22215	2-11/16 in.	3-1/4 82.6	10-5/16 262	3 76	8-1/8 206	15/16 24	1-11/32 34	1-29/32 48	6-3/8 162	1-11/64 29.72	3-51/64 96.41	3-15/32 88.12	3/4 M20	20.44	9.29
CXC2P15-212		2-3/4 in.													20.33	9.24
CXC2P15-070		70 mm													20.06	9.12
CXC2P15-215		2-15/16 in.													19.21	8.73
CXC2P15-075		75 mm													19.38	8.81
CXC2P15-300		3 in.													18.81	8.55
CXC2P18-080	22218	80 mm	3-3/4 95.2	12-5/8 321	3-3/8 86	10 254	1-1/16 27	1-21/32 42	2-1/4 57	7-15/32 190	1-13/32 35.81	4-11/32 110.08	4-1/16 103.02	7/8 M22	34.01	15.48
CXC2P18-085		85 mm													33.53	15.24
CXC2P18-307		3-7/16 in.													33.11	15.05
CXC2P18-308		3-1/2 in.													32.93	14.97
CXC2P18-090		90 mm													32.32	14.69
CXC2P20-100	22220	100 mm	4-1/4 108	15-1/8 384	3-3/4 95	11-3/4 298	1-5/32 29	2-5/16 59	2-7/16 62	8-11/32 212	1-19/32 40.39	4-15/16 125.43	4-21/32 118.16	1 M24	46.45	21.07
CXC2P20-315		3-15/16 in.													45.72	20.78
CXC2P20-400		4 in.													45.72	20.78



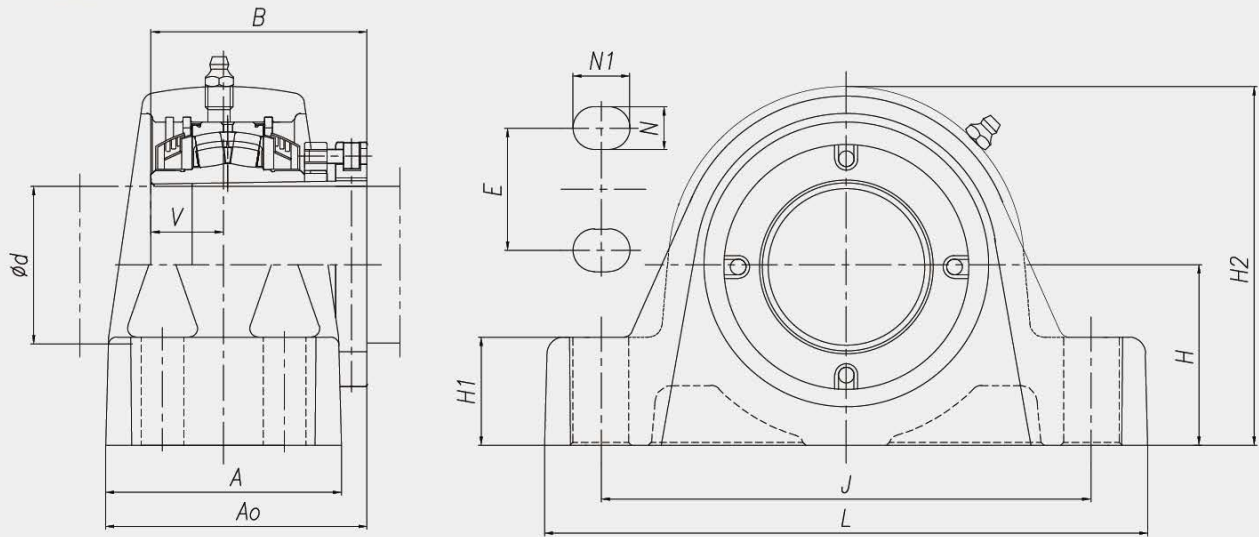


CXC4P

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with four bolt pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	E	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CXC4P13-060	22213	60 mm	2-3/4 69.8	8-3/4 222	3-3/8 86	7-1/8 181	19/32 15	25/32 20	1-3/4 44	1-5/8 41	5-19/32 142	1-1/8 28.7	4-15/16 99.98	3-3/8 85.68	1/2 M12	16.21	7.37
CXC4P13-207		2-7/16 in.														16.06	7.30
CXC4P13-208		2-1/2 in.														15.97	7.26
CXC4P13-065		65 mm														15.68	7.13
CXC4P15-211	22215	2-11/16 in.	3-1/4 82.6	9-7/8 251	3-3/4 95	8-1/8 206	25/32 20	29/32 23	1-7/8 48	1-29/32 48	6-3/8 162	1-11/64 29.72	4-11/64 105.9	3-15/32 88.12	5/8 M16	21.51	9.78
CXC4P15-212		2-3/4 in.														21.82	9.92
CXC4P15-070		70 mm														21.34	9.7
CXC4P15-215		2-15/16 in.														20.70	9.41
CXC4P15-075		75 mm														20.65	9.39
CXC4P15-300		3 in.														20.21	9.19
CXC4P18-080	22218	80 mm	3-3/4 95.2	12-13/32 315	4-1/8 105	10 254	15/16 24	1-13/32 36	2 50.8	2-1/4 57	7-15/32 190	1-13/32 35.81	4-23/32 119.71	4-1/16 103.02	3/4 M20	35.86	16.30
CXC4P18-085		85 mm														35.64	16.20
CXC4P18-307		3-7/16 in.														35.24	16.02
CXC4P18-308		3-1/2 in.														35.92	16.32
CXC4P18-090		90 mm														34.45	15.66
CXC4P20-100	22220	100 mm	4-1/4 108	14-3/4 375	4-1/2 114	12-7/32 310	15/16 24	1-1/2 38	2-1/4 57	2-7/16 62	8-11/32 212	1-19/32 40.39	5-5/16 134.77	4-21/32 118.16	3/4 M20	49.98	22.72
CXC4P20-315		3-15/16 in.														48.00	21.82
CXC4P20-400		4 in.														47.54	21.61
CXC4P22-110	22222	110 mm	4-3/4 120.7	16-1/2 419	4-3/4 120	13-5/16 338	15/16 24	1-1/2 38	2-1/2 63.5	2-3/4 70	9-1/2 241	1-31/32 50	5-5/8 143	5-15/64 133	3/4 M20	69.85	31.75
CXC4P22-407		4-7/16 in.														68.90	31.32
CXC4(E)P26-125	22226	125 mm	5-1/2 139.7	18-5/8 473	5-3/8 137	15-1/2 398	1-1/32 26	1-17/32 39	2-13/16 71.4	3 76	11 280	2-19/32 58.2	6-3/8 161.7	5-31/32 151.4	7/8 M22	110.5	50.22
CXC4(E)P26-415		4-15/16 in.														108.5	49.31
CXC4(E)P26-500		5 in.														108.0	49.10



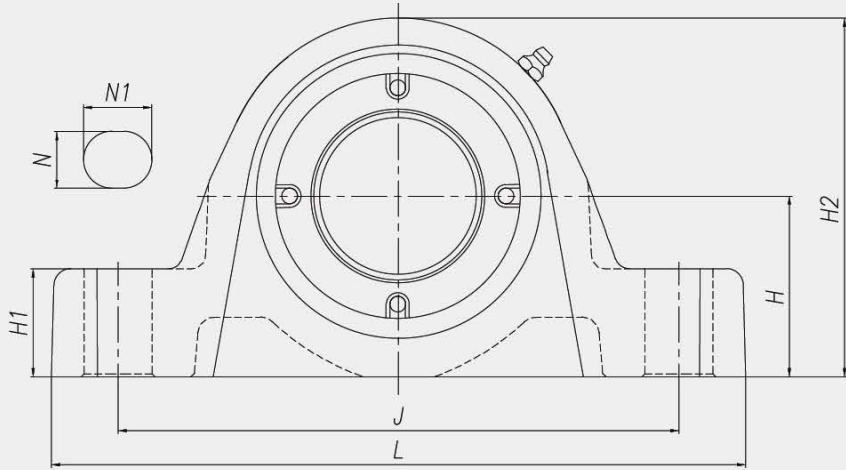
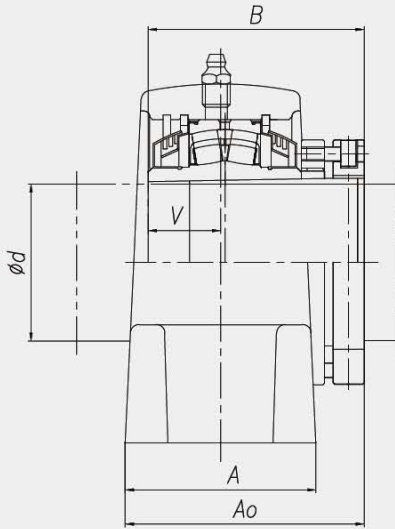


CXC2EP

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with two bolt Type E pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm		lbs	kg
CXC2EP08-107	22208	1-7/16 in.	1-7/8 47.6	7-5/16 185	2-1/8 54	5-3/4 146	19/32 15	25/32 20	1-1/8 28	3-27/32 98	7/8 22.35	2-57/64 73.5	2-45/64 68.89	1/2 M12	6.11	2.78
CXC2EP09-108	22209	1-1/2 in.	2-1/8 54	7-13/16 198	2-1/8 54	6-1/4 159	19/32 15	25/32 20	1-1/4 32	4-9/32 109	59/64 23.37	2-29/32 73.7	2-49/64 70.1	1/2 M12	8.03	3.65
CXC2EP09-111		1-11/16 in.													8.03	3.65
CXC2EP10-115	22210	1-15/16 in.	2-1/4 57.2	8-21/32 220	2-1/8 54	7 178	25/32 20	15/16 24	1-5/16 33	4-1/2 114	57/64 22.61	3-1/64 76.5	2-27/32 72.14	5/8 M16	9.28	4.22
CXC2EP11-203	22211	2-3/16 in.	2-1/2 63.5	9-5/8 244	2-5/8 67	7-3/4 197	25/32 20	15/16 24	1-1/2 38	4-31/32 126	1 25.45	3-7/32 81.97	2-29/32 73.9	5/8 M16	12.87	5.85
CXC2EP13-207	22213	2-7/16 in.	2-3/4 69.8	10-5/32 258	2-13/16 72	8-1/2 216	25/32 20	15/16 24	1-5/8 41	5-19/32 142	1-1/8 28.7	3-21/32 92.98	3-3/8 85.68	5/8 M16	17.13	7.79
CXC2EP13-208		2-1/2 in.													17.22	7.83
CXC2EP15-211	22215	2-11/16 in.	3-1/8 79.5	11-21/32 296	3 76	9-1/2 241	15/16 24	1-11/32 34	1-29/32 48	6-1/4 159	1-11/64 29.72	3-51/64 96.41	3-15/32 88.12	3/4 M20	25.76	11.71
CXC2EP15-212		2-3/4 in.													22.57	10.26
CXC2EP15-215		2-15/16 in.													21.42	9.74
CXC2EP15-300		3 in.													21.16	9.62
CXC2EP18-307	22218	3-7/16 in.	3-3/4 95.2	13-3/16 335	3-3/8 86	11 279	1-1/16 27	1-5/16 33	2-1/4 57	7-15/32 190	1-13/32 35.81	4-11/32 110.08	4-1/16 103.02	7/8 M22	35.54	16.16
CXC2EP18-308		3-1/2 in.													35.19	16

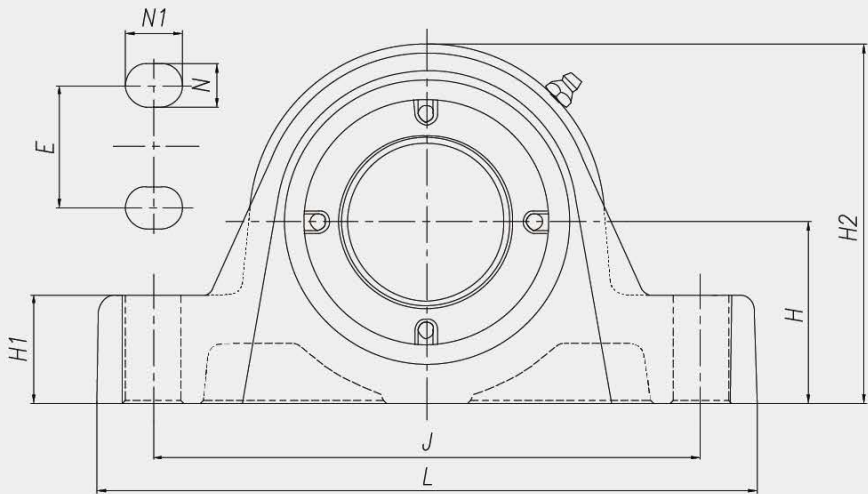
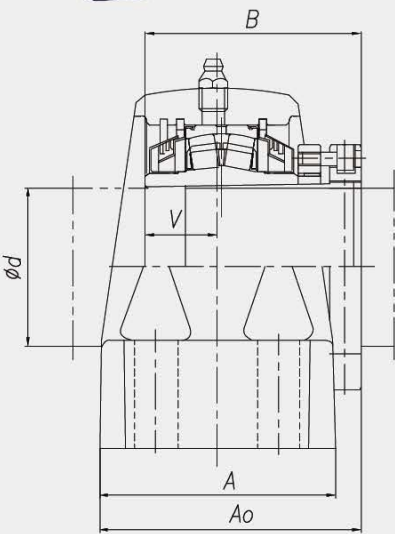


CXC4EP

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with four bolt Type E pillow block housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	E	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CXC4EP13-207	22213	2-7/16 in.	2-3/4	10-1/2	3-1/2	8-1/2	25/32	7/8	1-7/8	1-5/8	5-23/32	1-1/8	4	3-35/64	5/8	19.75	8.97
CXC4EP13-208		2-1/2 in.	69.8	267	89	216	20	22	48	41	145	28.7	101.51	90.17	M16	19.86	9.02
CXC4EP15-211	22215	2-11/16 in.	3-1/8 79.5	12 305	4 102	9-1/2 241	25/32 20	1 25	2-1/8 54	1-29/32 48	6-11/32 161	1-11/64 29.72	4-5/16 109.41	3-21/32 92.71	5/8 M16	26.77	12.17
CXC4EP15-212		2-3/4 in.														26.46	12.03
CXC4EP15-215		2-15/16 in.														25.65	11.66
CXC4EP15-300		3 in.														24.96	11.35
CXC4EP18-307	22218	3-7/16 in.	3-3/4	13-1/2	4-1/2	11	15/16	1-3/16	2-3/8	2-1/4	7-11/16	1-13/32	4-57/64	4-1/8	3/4	43.38	19.72
CXC4EP18-308		3-1/2 in.	95.2	343	114	279	24	30	60.3	57	195	35.81	124.21	104.74	M20	45.35	20.60
CXC4EP20-315	22220	3-15/16 in.	4-1/4	15-1/4	4-1/2	12-1/2	15/16	1-3/16	2-1/4	2-7/16	8-11/16	1-19/32	5-5/16	4-41/64	3/4	55.50	25.23
CXC4EP20-400		4 in.	108	387	114	317	24	30	57	62	220	40.39	134.77	117.73	M20	55.04	25.02
CXC4EP22-407	22222	4-7/16 in.	4-3/4	16-5/8	4-3/4	13-1/2	15/16	1-3/16	2-1/2	2-3/4	9-21/32	1-31/32	5-5/8	5-9/64	3/4	74.20	33.73
CXC4(E)P26-415	22226	4-15/16 in.	5-1/2	18-5/8	5-3/8	15-1/2	1-1/32	1-17/32	2-13/16	3	11	2-19/32	6-3/8	5-31/32	7/8	108.5	49.31
CXC4(E)P26-500		5 in.	139.7	473	137	398	26	39	71.4	76	280	58.2	161.7	151.4	M22	108.0	49.10



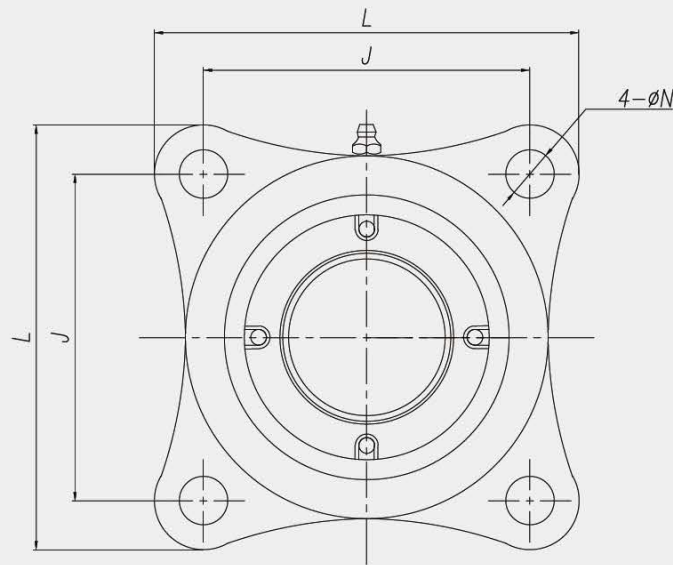
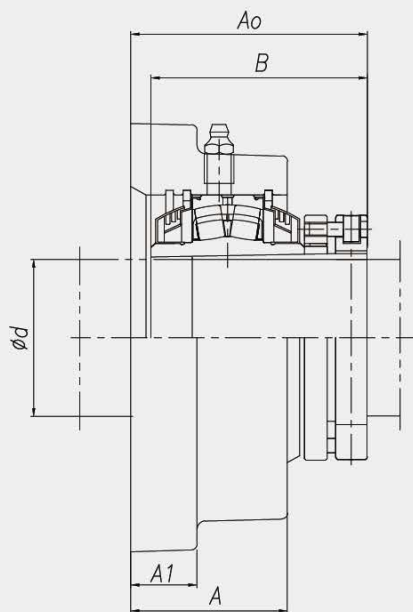


CXC4F

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with four bolt flange housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	L	A	J	N	A1	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CXC4F08-107	22208	1-7/16 in.	4-25/32 121	1-31/32 50	3-17/32 89.7	9/16 14.5	3/4 19	2-29/32 73.7	2-45/64 68.89	1/2 M12	5.456	2.48
CXC4F08-108		1-1/2 in.									5.41	2.46
CXC4F09-111	22209	1-11/16 in.	5-1/8 130	2 51	3-57/64 98.8	9/16 14.5	3/4 19	2-15/16 74.7	2-49/64 70.1	1/2 M12	6.43	2.92
CXC4F10-115	22210	1-15/16 in.	5-5/16 135	2-3/32 53	4-1/16 103.2	9/16 14.5	3/4 19	3-7/64 79	2-27/32 72.14	1/2 M12	7.63	3.47
CXC4F11-055	22211	55 mm	5-27/32 149	2-5/32 55	4-33/64 114.7	11/16 18	29/32 23	3-3/16 80.87	2-29/32 73.9	5/8 M16	9.34	4.23
CXC4F11-203		2-3/16 in.									9.218	4.19
CXC4F13-060	22213	60 mm	6-1/8 156	2-9/16 65	4-25/32 121.4	11/16 18	1-1/32 26	3-41/64 92.51	3-3/8 85.68	5/8 M16	11.858	5.39
CXC4F13-207		2-7/16 in.									11.68	5.31
CXC4F13-208		2-1/2 in.									11.594	5.27
CXC4F13-065		65 mm									11.308	5.14
CXC4F15-211	22215	2-11/16 in.	7-7/32 183	2-5/8 67	5-9/16 141.3	7/8 22	1-1/32 26	3-3/4 95.41	3-15/32 88.12	3/4 M20	17.84	8.11
CXC4F15-212		2-3/4 in.									17.556	7.98
CXC4F15-070		70 mm									17.028	7.74
CXC4F15-215		2-15/16 in.									16.566	7.53
CXC4F15-075		75 mm									16.5	7.50
CXC4F15-300		3 in.									16.26	7.39
CXC4F18-080	22218	80 mm	8-9/32 210	3-5/32 80	6-23/32 170.7	7/8 22	1-5/32 29	4-27/64 112.28	4-1/16 103.02	3/4 M20	27.83	12.65
CXC4F18-085		85 mm									27.39	12.45
CXC4F18-307		3-7/16 in.									26.95	12.25
CXC4F18-308		3-1/2 in.									26.07	11.85
CXC4F18-090		90 mm									25.85	11.75
CXC4F20-100	22220	100 mm	9-1/4 235	3-7/16 87	7-39/64 193.3	31/32 25	1-3/16 30	4-61/64 125.73	4-21/32 118.16	7/8 M22	37.18	16.90
CXC4F20-315		3-15/16 in.									37.07	16.85
CXC4F20-400		4 in.									36.85	16.75



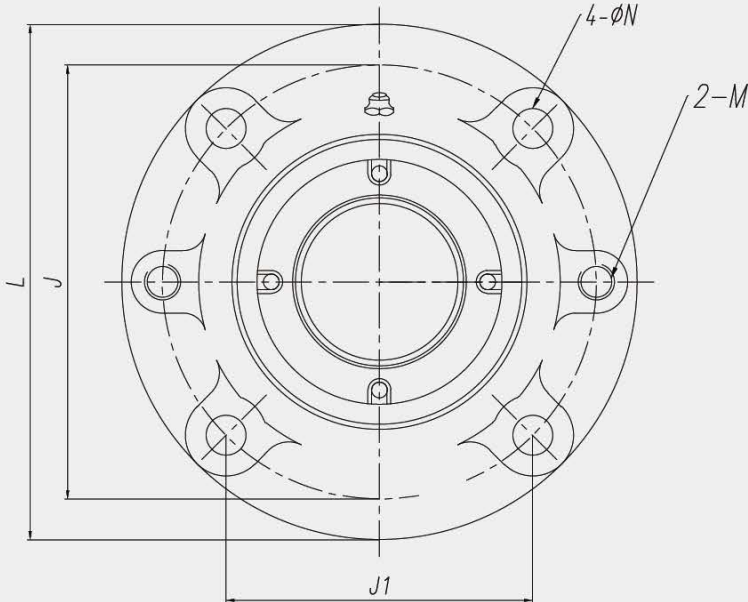
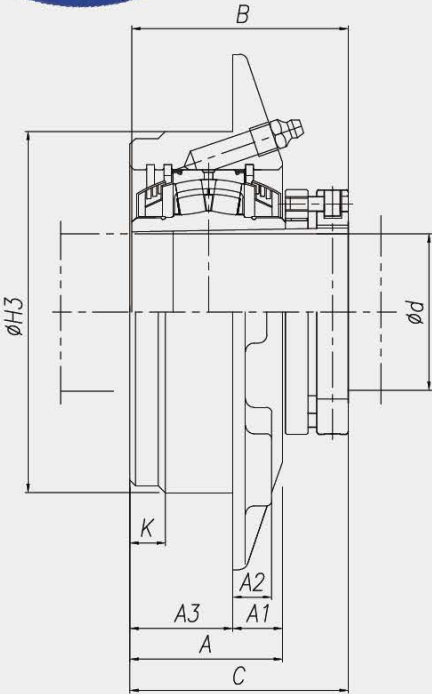


CXC4FC

CROSSLOC™ CXC

CROSSLOC CXC lock spherical roller bearing with piloted flange cartridge housing.

360° holding with the length of sleeve allows for maximum gripforce.



Unit Number	Bearing Number	Shaft Dia. d	L	H3	J	J1	N	A	A1	A2	A3	C	K	M	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CXC4FC08-107	22208	1-7/16 in.	5-1/4 133	3-5/8 92.1	4-3/8 111.1	3-3/32 78.6	15/32 12	1-25/32 45.5	19/32 15.5	1/2 13	1-3/16 30	2-23/32 69	13/32 10	3/8-16 UNC	2-45/64 68.89	3/8 M10	4.84	2.2
CXC4FC08-108		1-1/2 in.																
CXC4FC09-111	22209	1-11/16 in.	6-5/32 156	4-1/4 107.8	5-1/8 130.2	3-5/8 92.1	9/16 14.5	1-7/8 48	5/8 16	1/2 13	1-1/4 32	2-49/64 70.4	13/32 10	7/16-14 UNC	2-49/64 70.1	1/2 M12	6.11	2.78
CXC4FC10-115	22210	1-15/16 in.	6-3/8 162	4-1/2 114.3	5-3/8 136.5	3-51/64 96.5	9/16 14.5	1-15/16 49	21/32 17	9/16 14	1-1/4 32	2-55/64 72.6	13/32 10	7/16-14 UNC	2-27/32 72.14	1/2 M12	7.38	3.35
CXC4FC11-055	22211	55 mm	7-1/8 181	5 127	6 152.4	4-1/4 107.8	9/16 14.5	2-3/32 53.5	21/32 17.5	17/32 13.7	1-13/32 36	3-15/16 74.87	15/32 12	1/2-13 UNC	2-29/32 73.9	1/2 M12	9.68	4.40
CXC4FC11-203		2-3/16 in.															9.50	4.32
CXC4FC13-060	22213	60 mm	7-5/8 194	5-1/2 139.7	6-1/2 165.1	4-19/32 116.7	9/16 14.5	2-11/32 59.7	25/32 20	5/8 16	1-9/16 39.7	3-3/8 85.71	15/32 12	1/2-13 UNC	3-3/8 85.68	1/2 M12	12.78	5.81
CXC4FC13-207		2-7/16 in.															12.63	5.74
CXC4FC13-208		2-1/2 in.															12.54	5.70
CXC4FC13-065		65 mm															12.21	5.55
CXC4FC15-211	22215	2-11/16 in.	8-3/4 222	6-3/8 161.9	7-1/2 190.5	5-19/64 134.7	23/32 18	2-5/8 66.7	1 25.4	3/4 19	1-5/8 41.3	3-17/32 89.91	15/32 12	5/8-11 UNC	3-15/32 88.12	5/8 M16	18.67	8.49
CXC4FC15-212		2-3/4 in.															18.61	8.46
CXC4FC15-070		70 mm															19.11	8.69
CXC4FC15-215		2-15/16 in.															18.52	8.42
CXC4FC15-075		75 mm															18.48	8.40
CXC4FC15-300		3 in.															18.06	8.21
CXC4FC18-080	22218	80 mm	10-1/4 260	7-3/8 187.3	8-5/8 219.1	6-3/32 154.9	7/8 22	3 75.9	1-15/32 37.4	1-1/4 32	1-17/32 38.5	4-1/16 103.28	15/32 12	3/4-10 UNC	4-1/16 103.02	3/4 M20	28.57	12.99
CXC4FC18-085		85 mm															28.16	12.80
CXC4FC18-307		3-7/16 in.															27.69	12.59
CXC4FC18-308		3-1/2 in.															26.86	12.21
CXC4FC18-090		90 mm															26.51	12.05
CXC4FC20-100	22220	100 mm	10-7/8 276	8-1/8 206.4	9-3/8 238.1	6-5/8 168.4	7/8 22	3-5/32 80.5	1-13/32 36	1-1/4 32	1-3/4 44.5	4-21/32 118.43	9/16 14	3/4-10 UNC	4-21/32 118.16	3/4 M20	37.91	17.23
CXC4FC20-315		3-15/16 in.															36.25	16.48
CXC4FC20-400		4 in.															36.23	16.47

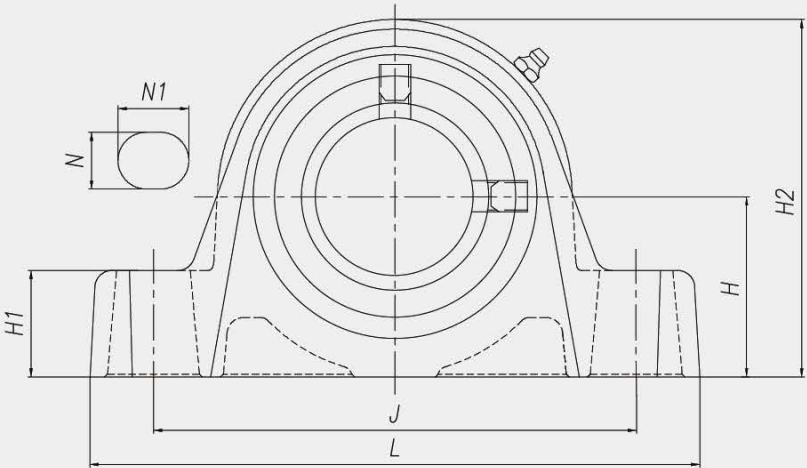
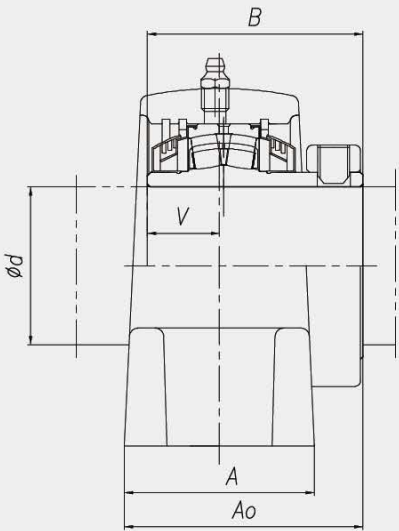




CS2P

Setscrew collar lock spherical roller bearing with two bolt pillow block housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS2P08-107	22208	1-7/16 in.													5.37	2.44
CS2P08-108		1-1/2 in.	1-7/8 47.6	6-5/8 168	2-1/8 54	5 127	19/32 15	31/32 25	1-1/8 28	3-27/32 98	7/8 22.35	2-57/64 73.5	2-45/64 68.89	1/2 M12	5.32	2.42
CS2P08-040		40 mm													5.39	2.45
CS2P09-111	22209	1-11/16 in.													6.93	3.15
CS2P09-112		1-3/4 in.	2-1/8 54	7-1/8 181	2-1/8 54	5-1/2 140	19/32 15	31/32 25	1-1/4 32	4-9/32 109	59/64 23.37	2-29/32 73.7	2-49/64 70.1	1/2 M12	6.82	3.1
CS2P09-045		45 mm													6.77	3.08
CS2P10-115	22210	1-15/16 in.													8.18	3.72
CS2P10-050		50 mm	2-1/4 57.2	8 203	2-1/8 54	6-1/4 159	25/32 20	31/32 25	1-5/16 33	4-1/2 114	57/64 22.61	3-1/64 76.5	2-27/32 72.14	5/8 M16	8.16	3.71
CS2P10-200		2 in.													8.07	3.67
CS2P11-055	22211	55 mm													11.22	5.1
CS2P11-203		2-3/16 in.	2-1/2 63.5	8-1/2 216	2-5/8 67	6-3/4 170	25/32 20	31/32 25	1-1/2 38	4-31/32 126	1 25.45	3-5/16 84.1	3 76	5/8 M16	11.22	5.1
CS2P11-204		2-1/4 in.													11.04	5.02
CS2P13-060	22213	60 mm													15.22	6.92
CS2P13-207		2-7/16 in.	2-3/4 69.8	8-7/8 225	2-13/16 72	7-1/8 181	25/32 20	31/32 25	1-5/8 41	5-19/32 142	1-1/8 28.7	3-27/32 97.47	3-35/64 90.17	5/8 M16	14.98	6.81
CS2P13-208		2-1/2 in.													14.69	6.68
CS2P13-065		65 mm													14.52	6.60
CS2P15-211	22215	2-11/16 in.													20.02	9.1
CS2P15-212		2-3/4 in.													20.32	9.24
CS2P15-070		70 mm	3-1/4 82.6	10-5/16 262	3 76	8-1/8 206	15/16 24	1-11/32 34	1-29/32 48	6-3/8 162	1-11/64 29.72	3-31/32 101.0	3-21/32 92.71	3/4 M20	19.84	9.02
CS2P15-215		2-15/16 in.													19.20	8.73
CS2P15-075		75 mm													19.16	8.71
CS2P15-300		3 in.													18.92	8.6
CS2P18-080	22218	80 mm													33.72	15.33
CS2P18-085		85 mm													32.78	14.9
CS2P18-307		3-7/16 in.	3-3/4 95.2	12-5/8 321	3-3/8 86	10 254	1-1/16 27	1-21/32 42	2-1/4 57	7-15/32 190	1-13/32 35.81	4-13/32 111.8	4-1/8 104.74	7/8 M22	32.60	14.82
CS2P18-308		3-1/2 in.													31.98	14.54
CS2P18-090		90 mm													31.57	14.35
CS2P20-100	22220	100 mm													45.16	20.53
CS2P20-315		3-15/16 in.	4-1/4 108	15-1/8 384	3-3/4 95	11-3/4 298	1-5/32 29	2-5/16 59	2-7/16 62	8-11/32 212	1-19/32 40.39	4-59/64 125.0	4-41/64 117.73	1 M24	45.16	20.53
CS2P20-400		4 in.													44.72	20.33

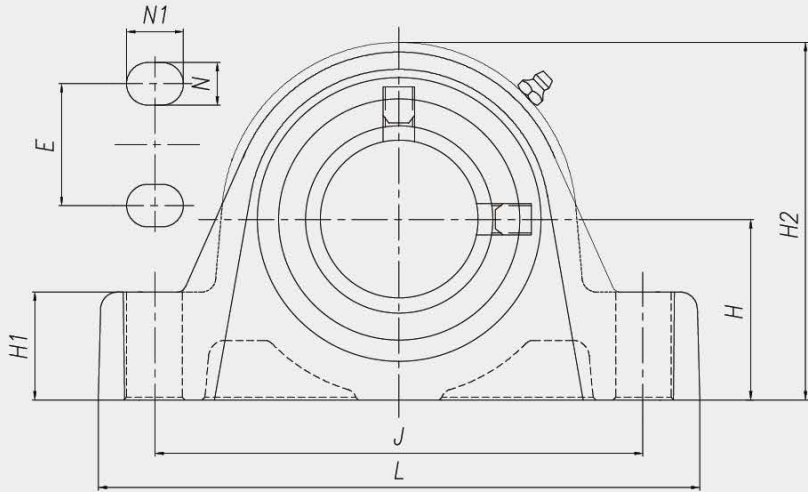
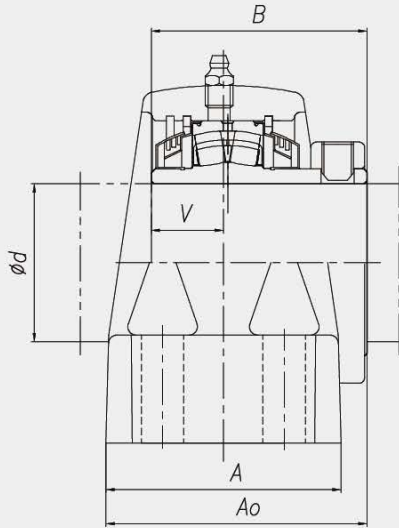




CS4P

Setscrew collar lock spherical roller bearing with four bolt pillow block housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	E	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS4P13-060	22213	60 mm	2-3/4 69.8	8-3/4 222	3-3/8 86	7-1/8 181	19/32 15	25/32 20	1-3/4 44	1-5/8 41	5-19/32 142	1-1/8 28.7	4-7/64 104.47	3-35/64 90.17	1/2 M12	15.99	7.27
CS4P13-207		2-7/16 in.														15.75	7.16
CS4P13-208		2-1/2 in.														15.46	7.03
CS4P13-065		65 mm														15.29	6.95
CS4P15-211	22215	2-11/16 in.	3-1/4 82.6	9-7/8 251	3-3/4 95	8-1/8 206	25/32 20	29/32 23	1-7/8 48	1-29/32 48	6-3/8 162	1-11/64 29.72	4-11/32 110.49	3-21/32 92.71	5/8 M16	21.29	9.68
CS4P15-212		2-3/4 in.														21.60	9.82
CS4P15-070		70 mm														21.12	9.6
CS4P15-215		2-15/16 in.														20.48	9.31
CS4P15-075		75 mm														20.43	9.29
CS4P15-300		3 in.														20.19	9.18
CS4P18-080	22218	80 mm	3-3/4 95.2	12-13/32 315	4-1/8 105	10 254	15/16 24	1-13/32 36	2 50.8	2-1/4 57	7-15/32 190	1-13/32 35.81	4-49/64 121.43	4-1/8 104.74	3/4 M20	35.53	16.15
CS4P18-085		85 mm														34.58	15.72
CS4P18-307		3-7/16 in.														34.40	15.64
CS4P18-308		3-1/2 in.														33.79	15.36
CS4P18-090		90 mm														33.37	15.17
CS4P20-100	22220	100 mm	4-1/4 108	14-3/4 375	4-1/2 114	12-7/32 310	15/16 24	1-1/2 38	2-1/4 57	2-7/16 62	8-11/32 212	1-19/32 40.39	5-9/32 134.34	4-41/64 117.73	3/4 M20	47.56	21.62
CS4P20-315		3-15/16 in.														47.54	21.61
CS4P20-400		4 in.														47.08	21.4
CS4P22-407	22222	4-7/16 in.	4-3/4 120.7	16-1/2 419	4-3/4 120	13-5/16 338	15/16 24	1-1/2 38	2-1/2 63.5	2-3/4 70	9-1/2 241	1-31/32 50	5-17/32 140.55	5-9/64 130.55	3/4 M20	68.13	30.97

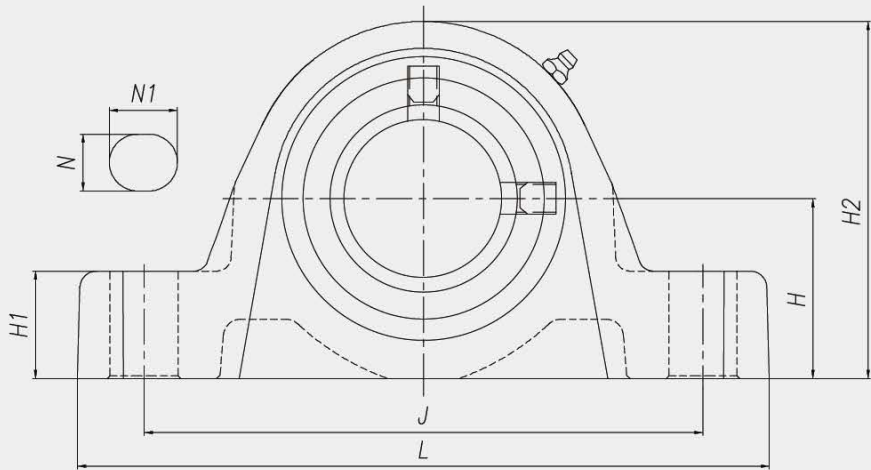
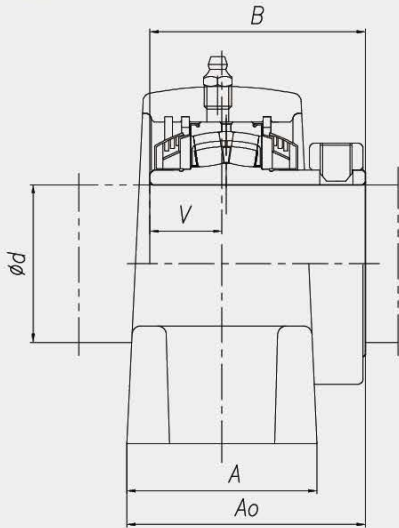




CS2EP

Setscrew collar lock spherical roller bearing with two bolt Type E pillow block housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS2EP08-107	22208	1-7/16 in.	1-7/8 47.6	7-5/16 185	2-1/8 54	5-3/4 146	19/32 15	25/32 20	1-1/8 28	3-27/32 98	7/8 22.35	2-57/64 73.5	2-45/64 68.89	1/2 M12	5.96	2.71
CS2EP09-111	22209	1-11/16 in.	2-1/8 54	7-13/16 198	2-1/8 54	6-1/4 159	19/32 15	25/32 20	1-1/4 32	4-9/32 109	59/64 23.37	2-29/32 73.7	2-49/64 70.1	1/2 M12	7.63	3.47
CS2EP10-115	22210	1-15/16 in.	2-1/4 57.2	8-21/32 220	2-1/8 54	7 178	25/32 20	15/16 24	1-5/16 33	4-1/2 114	57/64 22.61	3-1/64 76.5	2-27/32 72.14	5/8 M16	8.82	4.01
CS2EP10-200		2 in.													8.71	3.96
CS2EP11-203	22211	2-3/16 in.	2-1/2 63.5	9-5/8 244	2-5/8 67	7-3/4 197	25/32 20	15/16 24	1-1/2 38	4-31/32 126	1 25.45	3-5/16 84.1	3 76	5/8 M16	12.49	5.68
CS2EP13-207	22213	2-7/16 in.	2-3/4 69.8	10-5/32 258	2-13/16 72	8-1/2 216	25/32 20	15/16 24	1-5/8 41	5-19/32 142	1-1/8 28.7	3-27/32 97.47	3-35/64 90.17	5/8 M16	16.74	7.61
CS2EP13-208		2-1/2 in.													16.45	7.48
CS2EP15-211	22215	2-11/16 in.	3-1/8 79.5	11-21/32 296	3 76	9-1/2 241	15/16 24	1-11/32 34	1-29/32 48	6-1/4 159	1-11/64 29.72	3-31/32 101.0	3-21/32 92.71	3/4 M20	22	10
CS2EP15-212		2-3/4 in.													22.30	10.14
CS2EP15-215		2-15/16 in.													21.18	9.63
CS2EP15-300		3 in.													20.9	9.5
CS2EP18-307	22218	3-7/16 in.	3-3/4 95.2	13-3/16 335	3-3/8 86	11 279	1-1/16 27	1-5/16 33	2-1/4 57	7-15/32 190	1-13/32 35.81	4-13/32 111.8	4-1/8 104.74	7/8 M22	34.87	15.85
CS2EP18-308		3-1/2 in.													34.25	15.57

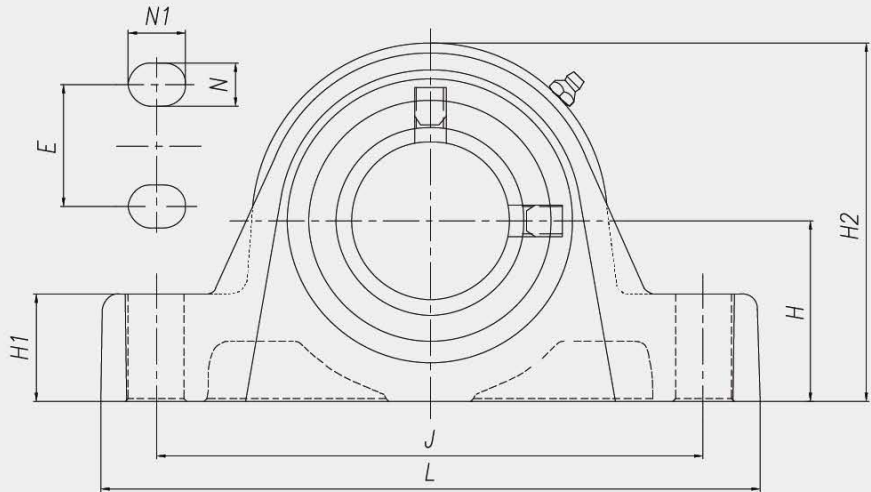
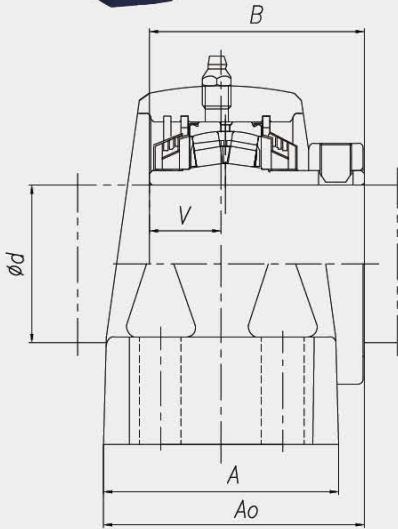




CS4EP

Setscrew collar lock spherical roller bearing with four bolt Type E pillow block housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	H	L	A	J	N	N1	E	H1	H2	V	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS4EP13-207	22213	2-7/16 in.														19.13	8.69
CS4EP13-208		2-1/2 in.	2-3/4 69.8	10-1/2 267	3-1/2 89	8-1/2 216	25/32 20	7/8 22	1-7/8 48	1-5/8 41	5-23/32 145	1-1/8 28.7	4-3/16 106	3-35/64 90.17	5/8 M16	18.84	8.56
CS4EP15-211	22215	2-11/16 in.														26.33	11.97
CS4EP15-212		2-3/4 in.														26.02	11.83
CS4EP15-215		2-15/16 in.	3-1/8 79.5	12 305	4 102	9-1/2 241	25/32 20	1 25	2-1/8 54	1-29/32 48	6-11/32 161	1-11/64 29.72	4-1/2 114	3-21/32 92.71	5/8 M16	25.21	11.46
CS4EP15-300		3 in.														24.92	11.33
CS4EP18-307	22218	3-7/16 in.	3-3/4 95.2	13-1/2 343	4-1/2 114	11 279	15/16 24	1-3/16 30	2-3/8 60.3	2-1/4 57	7-11/16 195	1-13/32 35.81	4-61/64 125.93	4-1/8 104.74	3/4 M20	41.70	18.96
CS4EP18-308		3-1/2 in.														41.09	18.68
CS4EP20-315	22220	3-15/16 in.	4-1/4 108	15-1/4 387	4-1/2 114	12-1/2 317	15/16 24	1-3/16 30	2-1/4 57	2-7/16 62	8-11/16 220	1-19/32 40.39	5-9/32 134.34	4-41/64 117.73	3/4 M20	54.58	24.81
CS4EP20-400		4 in.														54.12	24.60
CS4EP22-407	22222	4-7/16 in.	4-3/4 120.7	16-5/8 422	4-3/4 120	13-1/2 343	15/16 24	1-3/16 30	2-1/2 63.5	2-3/4 70	9-21/32 245	1-31/32 50	5-17/32 140.55	5-9/64 130.55	3/4 M20	72.66	33.03

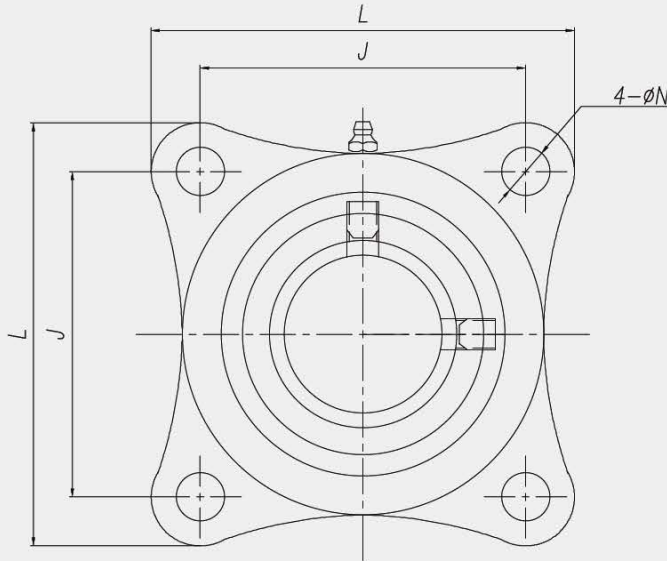
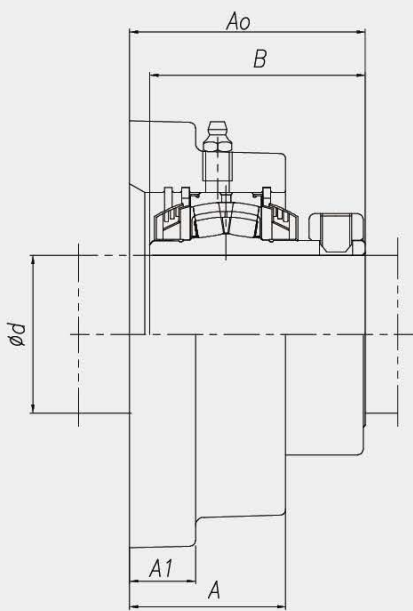




CS4F

Setscrew collar lock spherical roller bearing with four bolt flange housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	L	A	J	N	A1	A0	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS4F08-107	22208	1-7/16 in.	4-25/32 121	1-31/32 50	3-17/32 89.7	9/16 14.5	3/4 19	2-29/32 73.7	2-45/64 68.89	1/2 M12	5.30	2.41
CS4F08-108		1-1/2 in.									5.25	2.39
CS4F08-040		40 mm									5.32	2.42
CS4F09-111	22209	1-11/16 in.	5-1/8 130	2 51	3-57/64 98.8	9/16 14.5	3/4 19	2-15/16 74.7	2-49/64 70.1	1/2 M12	6.09	2.77
CS4F09-112		1-3/4 in.									6.02	2.74
CS4F09-045		45 mm									5.94	2.7
CS4F10-115	22210	1-15/16 in.	5-5/16 135	2-3/32 53	4-1/16 103.2	9/16 14.5	3/4 19	3-7/64 79	2-27/32 72.14	1/2 M12	7.26	3.3
CS4F10-050		50 mm									7.26	3.3
CS4F10-200		2 in.									7.23	3.29
CS4F11-055	22211	55 mm	5-27/32 149	2-5/32 55	4-33/64 114.7	11/16 18	29/32 23	3-17/64 83	3 76	5/8 M16	9.02	4.1
CS4F11-203		2-3/16 in.									8.95	4.07
CS4F11-204		2-1/4 in.									8.8	4
CS4F13-060	22213	60 mm	6-1/8 156	2-9/16 65	4-25/32 121.4	11/16 18	1-1/32 26	3-13/16 97	3-35/64 90.17	5/8 M16	11.66	5.3
CS4F13-207		2-7/16 in.									11.39	5.18
CS4F13-208		2-1/2 in.									11.06	5.03
CS4F13-065	22215	65 mm	7-7/32 183	2-5/8 67	5-9/16 141.3	7/8 22	1-1/32 26	3-15/16 100	3-21/32 92.71	3/4 M20	11	5
CS4F15-211		2-11/16 in.									16.96	7.71
CS4F15-212		2-3/4 in.									17.33	7.88
CS4F15-070		70 mm									16.80	7.64
CS4F15-215		2-15/16 in.									16.34	7.43
CS4F15-075		75 mm									16.28	7.4
CS4F15-300		3 in.									16.06	7.3
CS4F18-080	22218	80 mm	8-9/32 210	3-5/32 80	6-23/32 170.7	7/8 22	1-5/32 29	4-31/64 114	4-1/8 104.74	3/4 M20	27.5	12.50
CS4F18-085		85 mm									26.62	12.1
CS4F18-307		3-7/16 in.									25.74	11.7
CS4F18-308		3-1/2 in.									25.52	11.6
CS4F18-090		90 mm									24.86	11.3
CS4F20-100	22220	100 mm	9-1/4 235	3-7/16 87	7-39/64 193.3	31/32 25	1-3/16 30	4-15/16 125.3	4-41/64 117.73	7/8 M22	36.52	16.6
CS4F20-315		3-15/16 in.									36.3	16.5
CS4F20-400		4 in.									36.08	16.4

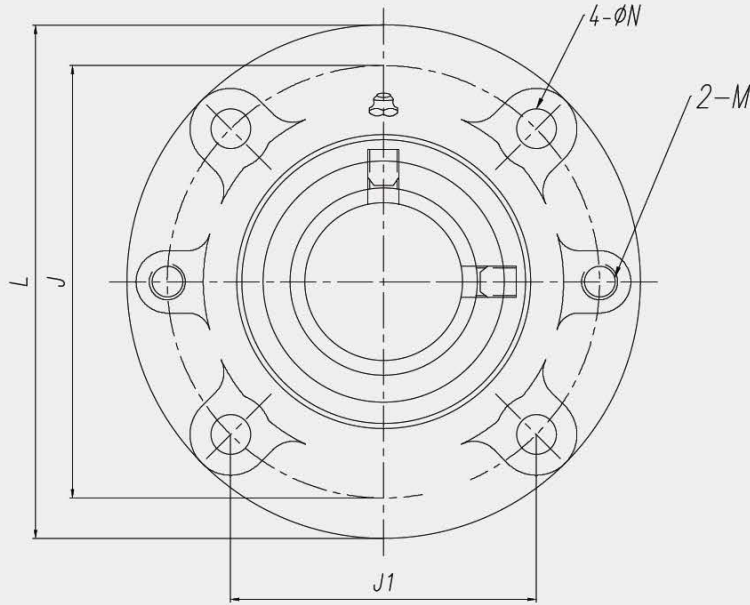
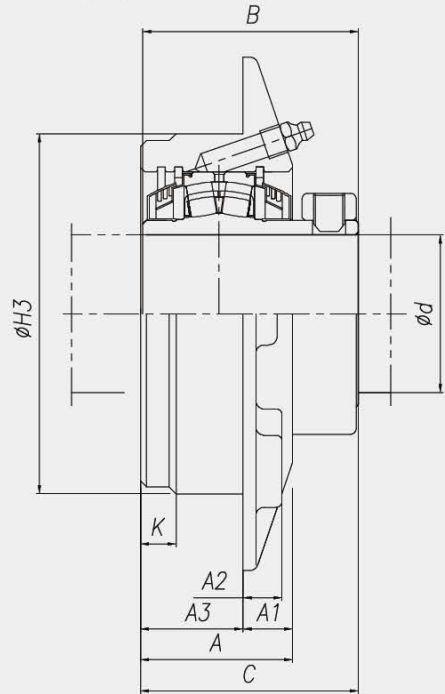




CS4FC

Setscrew collar lock spherical roller bearing with piloted flange cartridge housing.

Collar mount setscrew with nylon patch at 90° are providing maximum holding power.



Unit Number	Bearing Number	Shaft Dia. d	L	H3	J	J1	N	A	A1	A2	A3	C	K	M	B	Bolt Size	Weight	
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	lbs	kg
CS4FC08-107	22208	1-7/16 in.	5-1/4 133	3-5/8 92.1	4-3/8 111.1	3-3/32 78.6	15/32 12	1-25/32 45.5	19/32 15.5	1/2 13	1-3/16 30	2-23/32 69	13/32 10	3/8-16 UNC	2-45/64 68.89	3/8 M10	4.70	2.14
CS4FC08-108		1-1/2 in.															4.70	2.14
CS4FC08-040		40 mm															4.73	2.15
CS4FC09-111	22209	1-11/16 in.	6-5/32 156	4-1/4 107.8	5-1/8 130.2	3-5/8 92.1	9/16 14.5	1-7/8 48	5/8 16	1/2 13	1-1/4 32	2-49/64 70.4	13/32 10	7/16-14 UNC	2-49/64 70.1	1/2 M12	5.85	2.66
CS4FC09-112		1-3/4 in.															5.61	2.55
CS4FC09-045		45 mm															5.41	2.46
CS4FC10-115	22210	1-15/16 in.	6-3/8 162	4-1/2 114.3	5-3/8 136.5	3-51/64 96.5	9/16 14.5	1-15/16 49	21/32 17	9/16 14	1-1/4 32	2-55/64 72.6	13/32 10	7/16-14 UNC	2-27/32 72.14	1/2 M12	7.06	3.21
CS4FC10-050		50 mm															7.04	3.20
CS4FC10-200		2 in.															6.97	3.17
CS4FC11-055	22211	55 mm	7-1/8 181	5 127	6 152.4	4-1/4 107.8	9/16 14.5	2-3/32 53.5	21/32 17.5	17/32 13.7	1-13/32 36	3-1/32 77	15/32 12	1/2-13 UNC	3 76	1/2 M12	9.35	4.25
CS4FC11-203		2-3/16 in.															9.30	4.23
CS4FC11-204		2-1/4 in.															8.93	4.06
CS4FC13-060	22213	60 mm	7-5/8 194	5-1/2 139.7	6-1/2 165.1	4-19/32 116.7	9/16 14.5	2-11/32 59.7	25/32 20	5/8 16	1-9/16 39.7	3-35/64 90.2	15/32 12	1/2-13 UNC	3-35/64 90.17	1/2 M12	12.52	5.71
CS4FC13-207		2-7/16 in.															12.32	5.60
CS4FC13-208		2-1/2 in.															11.99	5.45
CS4FC13-065		65 mm															11.90	5.41
CS4FC15-211	22215	2-11/16 in.	8-3/4 222	6-3/8 161.9	7-1/2 190.5	5-19/64 134.7	23/32 18	2-5/8 66.7	1 25.4	3/4 19	1-5/8 41.3	3-23/32 94.5	15/32 12	5/8-11 UNC	3-21/32 92.71	5/8 M16	18.37	8.35
CS4FC15-212		2-3/4 in.															18.39	8.36
CS4FC15-070		70 mm															18.89	8.59
CS4FC15-215		2-15/16 in.															18.30	8.32
CS4FC15-075		75 mm															18.26	8.30
CS4FC15-300		3 in.															17.51	7.96
CS4FC18-080	22218	80 mm	10-1/4 260	7-3/8 187.3	8-5/8 219.1	6-3/32 154.9	7/8 22	3 75.9	1-15/32 37.4	1-1/4 32	1-17/32 38.5	4-1/8 105	15/32 12	3/4-10 UNC	4-1/8 104.74	3/4 M20	28.24	12.84
CS4FC18-085		85 mm															27.36	12.44
CS4FC18-307		3-7/16 in.															26.53	12.06
CS4FC18-308		3-1/2 in.															26.18	11.9
CS4FC18-090		90 mm															25.65	11.66
CS4FC20-100	22220	100 mm	10-7/8 276	8-1/8 206.4	9-3/8 238.1	6-5/8 168.4	7/8 22	3-5/32 80.5	1-13/32 36	1-1/4 32	1-3/4 44.5	4-41/64 118	9/16 14	3/4-10 UNC	4-41/64 117.73	3/4 M20	35.70	16.23
CS4FC20-315		3-15/16 in.															35.68	16.22
CS4FC20-400		4 in.															35.28	16.04

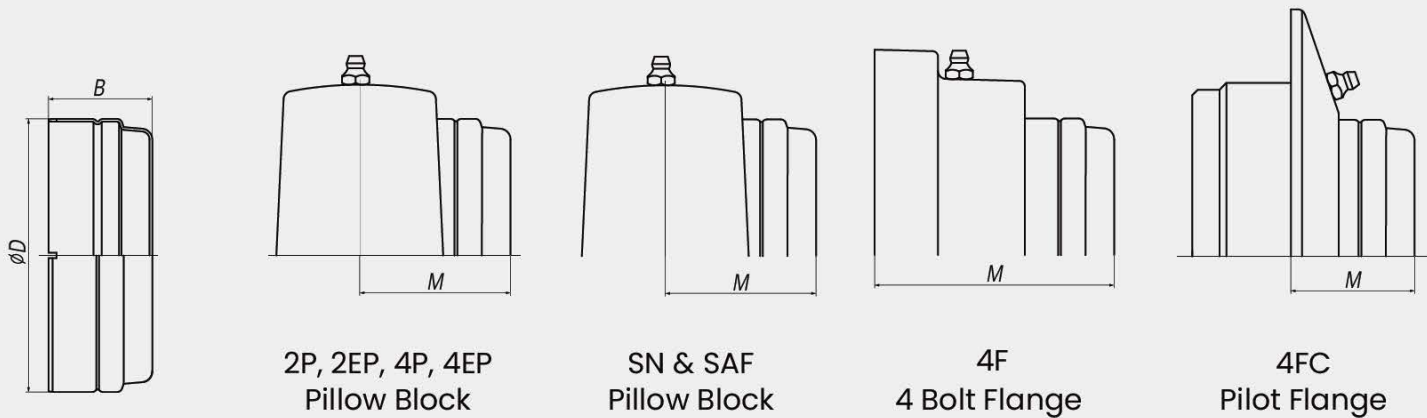


SSD steel end cover

protects against shaft damage and gives the safety at high running speeds.



Hit gently with a rubber hammer to press in a star pattern as seen above.

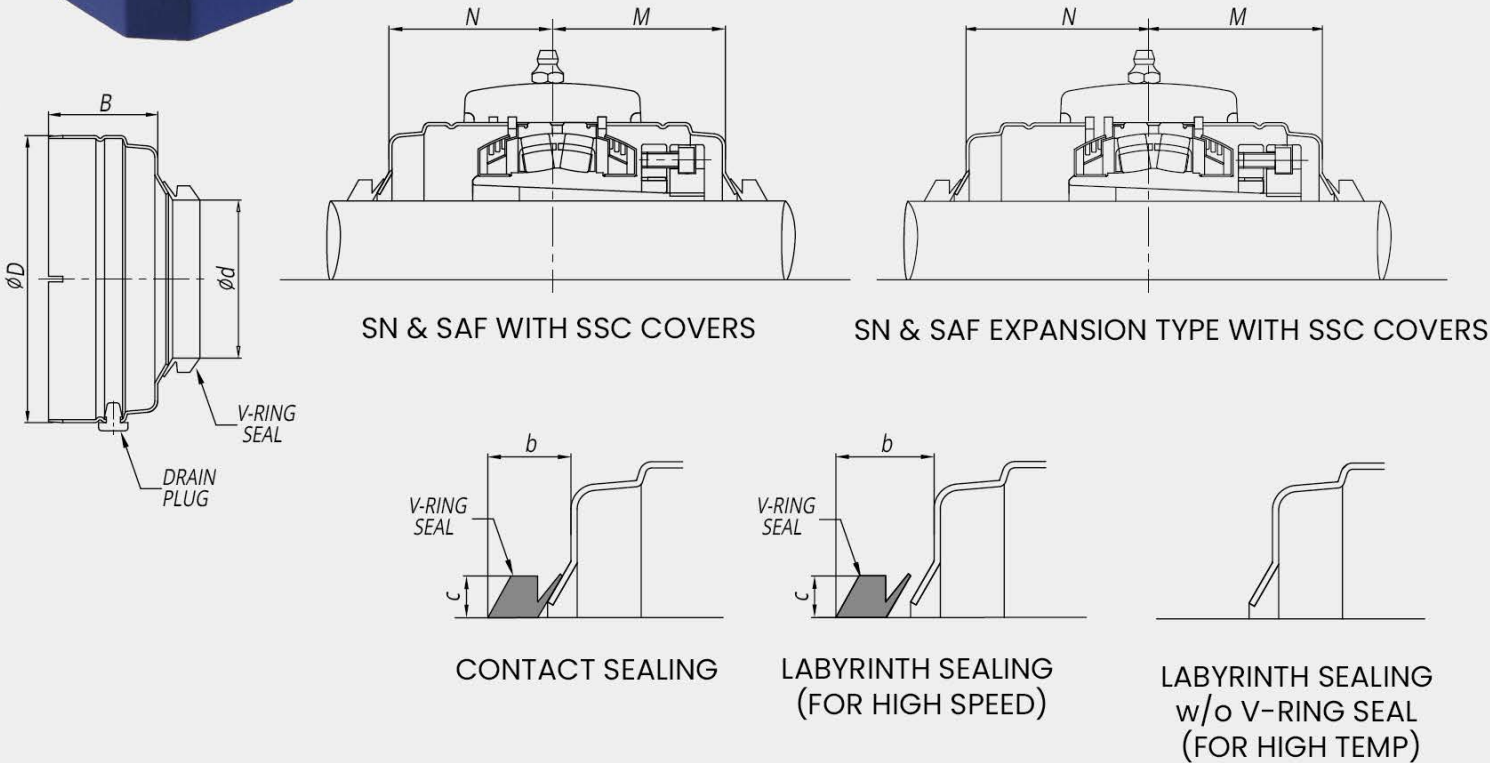


Cover Number	D	B	M			
			2P,2EP,4P,4EP Pillow Block	SN & SAF Pillow Block	4F 4-Bolt Flange	4FC Pilot Flange
	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm
SSD08	3-5/32 80	1-13/32 36	2-3/32 53.2	- -	3-5/32 80.4	1-13/16 45.7
SSD09	3-11/32 85	1-3/8 35	2-1/16 52.4	- -	3-5/32 80.3	1-23/32 44
SSD10	3-17/32 90	1-19/32 40	2-9/32 57.7	2-9/32 57.7	3-7/16 87.2	1-29/32 48.8
SSD11	3-15/16 100	1-1/2 38	2-3/16 55	2-3/16 55	3-7/16 87.5	1-25/32 45.5
SSD12	4-11/32 110	1-23/32 44	- -	2-15/32 62.6	- -	- -
SSD13	4-23/32 120	1-31/32 50	2-29/32 73.4	2-13/16 71.6	4-9/32 108.8	2-15/32 62.3
SSD15	5-1/8 130	1-15/16 49	2-27/32 72.4	2-25/32 70.6	4-5/16 109.5	2-15/32 62.7
SSD16	5-1/2 140	2-1/16 52	- -	2-15/16 74.6	- -	- -
SSD17	5-29/32 150	2-1/16 52	- -	3 76.3	- -	- -
SSD18	6-5/16 160	1-31/32 50	3-1/16 78	3 76.3	4-27/32 123	2-31/32 75.6
SSD19	6-11/16 170	2-3/32 53	- -	3-3/16 80.8	- -	- -
SSD20	7-3/32 180	2-3/16 55	3-3/8 86	3-5/16 84.3	5-9/32 134	3-1/4 82.2
SSD22	7-7/8 200	2-3/8 60	3-21/32 92.5	3-21/32 92.5	- -	- -
SSD24	8-15/32 215	2-17/32 64	- -	3-15/16 100	- -	- -
SSD26	9-1/16 230	2-19/32 66	- -	4-1/8 105	- -	- -
SSD28	9-27/32 250	2-3/4 70	- -	4-3/8 111.2	- -	- -
SSD30	10-5/8 270	2-3/4 70	- -	4-9/16 115.7	- -	- -
SSD32	11-13/32 290	2-7/8 73	- -	4-13/16 122.2	- -	- -

SSC steel open cover (for SN & SAF units)



Follow the instruction on page 45.

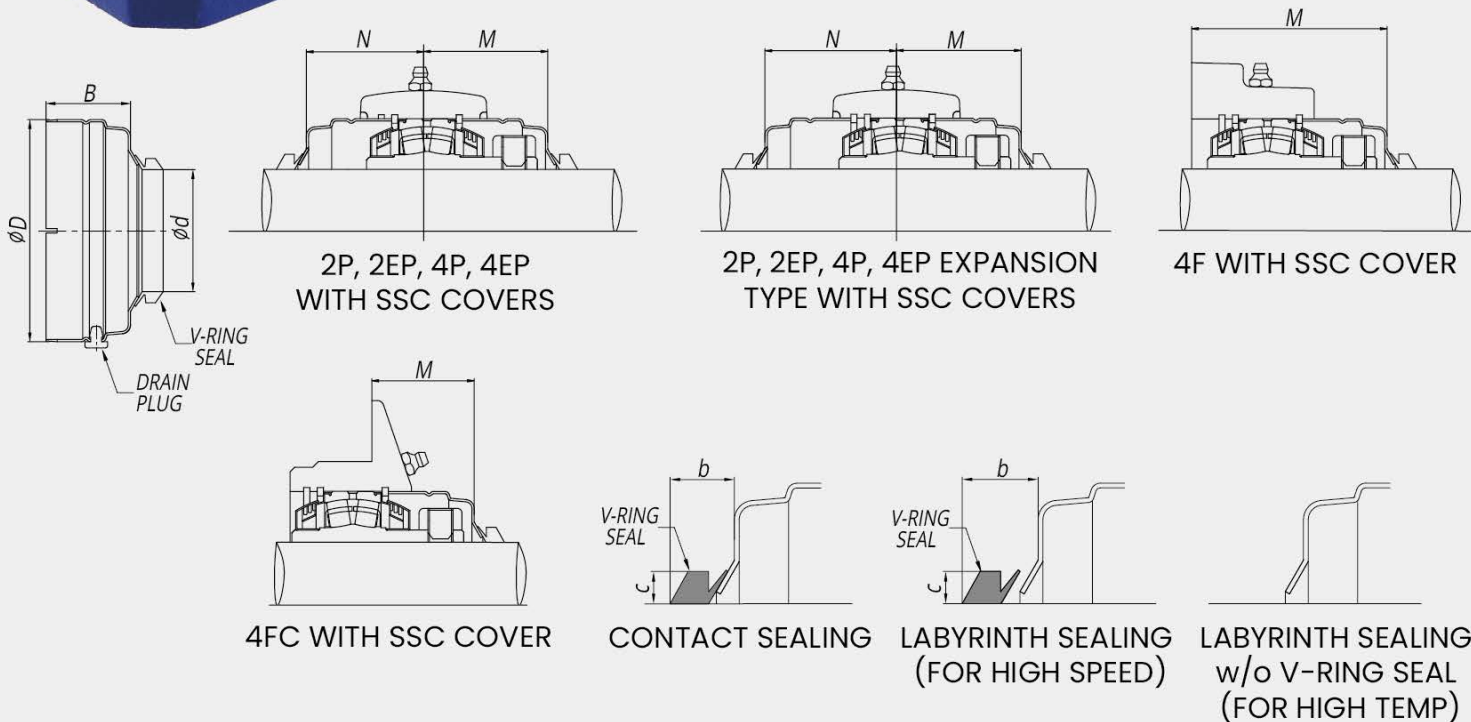


Cover Number	V-ring Seal	Shaft Dia. d	D	B	M	N		V-ring Seal		
					SN & SAF Pillow Block	SN & SAF Fixed	SN & SAF Expansion (E)	b	b (L)	c
			in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	
SSC10-045	VS-045	1-3/4 in.	3-17/32 90	1-19/32 40	2-9/32 57.7	2-3/64 52	2-1/4 57	31/64 12.5	9/16 14.5	13/64 5
		45 mm								
SSC11-050	VS-050	1-15/16 in.	3-15/16 100	1-1/2 38	2-3/16 55	2-1/16 52.2	2-19/64 58.2			
		50 mm								
		2 in.								
SSC12-055	VS-055	55 mm	4-11/32 110	1-23/32 44	2-15/32 62.6	2-11/32 59.7	2-5/8 65.7			
SSC13-060	VS-060	2-3/16 in.	4-23/32 120	1-31/32 50	2-13/16 71.6	2-5/8 66.6	2-55/64 72.6			
		60 mm								
SSC15-065	VS-065	2-7/16 in.	5-1/8 130	1-15/16 49	2-25/32 70.6	2-37/64 65.6	2-13/16 71.6			
		65 mm								
SSC16-070	VS-070	2-11/16 in.	5-1/2 140	2-1/16 52	2-15/16 74.6	2-47/64 69.6	2-63/64 75.6	39/64 15.5	11/16 17.5	15/64 6
		70 mm								
SSC17-075	VS-075	2-15/16 in.	5-29/32 150	2-1/16 52	3 76.3	2-51/64 71.1	3-1/32 77.1			
		75 mm								
SSC18-080	VS-080	80 mm	6-5/16 160	1-31/32 50	3 76.3	2-13/16 71.5	3-3/64 77.5			
SSC19-085	VS-085	85 mm	6-11/16 170	2-3/32 53	3-3/16 80.8	2-63/64 76	3-15/64 82			
SSC20-090	VS-090	3-7/16 in.	7-3/32 180	2-3/16 55	3-5/16 84.3	3-1/8 79.5	3-23/64 85.5			
		90 mm								
SSC22-100	VS-100	100 mm	7-7/8 200	2-3/8 60	3-21/32 92.5	3-1/2 88.7	3-23/32 94.7			
		3-15/16 in.								
SSC24-110	VS-110	110 mm	8-15/32 215	2-17/32 64	3-15/16 100	3-25/32 96.2	4-1/16 103.2	11/16 17.5	49/64 19.5	9/32 7
SSC26-115	VS-110	4-7/16 in.	9-1/16 230	2-19/32 66	4-1/8 105	3-63/64 101.2	4-17/64 108.2			
		115 mm								
SSC28-125	VS-130	125 mm	9-27/32 250	2-3/4 70	4-3/8 111.2	4-7/32 107.2	4-1/2 114.2			
		4-15/16 in.								
SSC30-135	VS-140	135 mm	10-5/8 270	2-3/4 70	4-9/16 115.7	4-15/64 107.7	4-19/32 116.7			
SSC32-140	VS-140	5-7/16 in.	11-13/32 290	2-7/8 73	4-13/16 122.2	4-1/2 114.2	4-27/32 123.2			
		5-1/2 in.								
		140 mm								

SSC steel open cover (for CS & CXC units)



1. Make sure that the shaft is dry and free from grease or oil.
2. Lubricate the lip of the V-ring with a thin film of grease or silicone oil.
3. Slide V-ring along the shaft by applying pressure and rotating shaft by hand.
4. Adjust to obtain "b" dimension for optimum lip pressure.
5. Take the drain plug out for the labyrinth seal applications to drain ingressed water.



Cover Number	V-ring Seal	Shaft Dia. d	D	B	M			N		V-ring Seal		
			in. mm	in. mm	2P,2EP, 4P,4EP Pillow Block	4F 4-Bolt Flange	4FC Pilot Flange	2P,2EP, 4P,4EP Fixed	2P,2EP, 4P,4EP Expansion(E)	b	b (L)	c
SSC08-038	VS-038	1-7/16 in.								27/64 10.6	29/64 11.6	5/32 4
SSC08-040	VS-040	1-1/2 in. 40 mm	3-5/32 80	1-13/32 36	2-3/32 53.2	3-5/32 80.4	1-13/16 45.7	1-57/64 48	2-3/32 53			
SSC09-045	VS-045	1-11/16 in. 1-3/4 in. 45 mm	3-11/32 85	1-3/8 35	2-1/16 52.4	3-5/32 80.3	1-23/32 44	1-27/32 46.8	2-1/32 51.8			
SSC10-050	VS-050	1-15/16 in. 50 mm 2 in.	3-17/32 90	1-19/32 40	2-9/32 57.7	3-7/16 87.2	1-29/32 48.8	2-1/32 51.5	2-7/32 56.5	31/64 12.5	9/16 14.5	13/64 5
SSC11-055	VS-055	55 mm 2-3/16 in. 2-1/4 in.	3-15/16 100	1-1/2 38	2-3/16 55	3-7/16 87.5	1-25/32 45.5	2-1/16 52.2	2-19/64 58.2			
SSC13-060	VS-060	60 mm 2-7/16 in.										
SSC13-065	VS-065	2-1/2 in. 65 mm	4-23/32 120	1-31/32 50	2-29/32 73.4	4-9/32 108.8	2-15/32 62.3	2-9/16 65	2-51/64 71			
SSC15-070	VS-070	2-11/16 in. 2-3/4 in. 70 mm										
SSC15-075	VS-075	2-15/16 in. 75 mm 3 in.	5-1/8 130	1-15/16 49	2-27/32 72.4	4-5/16 109.5	2-15/32 62.7	2-33/64 63.8	2-3/4 69.8			
SSC18-080	VS-080	80 mm										
SSC18-085	VS-085	85 mm 3-7/16 in.	6-5/16 160	1-31/32 50	3-1/16 78	4-27/32 123	2-31/32 75.6	2-3/4 69.8	2-63/64 75.8	39/64 15.5	11/16 17.5	15/64 6
SSC18-090	VS-090	3-1/2 in. 90 mm										
SSC20-100	VS-100	100 mm 3-15/16 in. 4 in.	7-3/32 180	2-3/16 55	3-3/8 86	5-9/32 134	3-1/4 82.2	3-1/16 77.8	3-19/64 83.8			
SSC22-110	VS-110	4-7/16 in.	7-7/8 200	2-3/8 60	3-21/32 92.5	-	-	3-1/2 88.7	3-23/32 94.7	11/16 17.5	49/64 19.5	9/32 7



HOW TO LOCK CROSSLOC™

- Step 1:** Begin with all cap screws loose.
- Step 2:** Tighten cap screws in a star pattern as seen right and repeat several times.
- Step 3:** When using a torque wrench, tighten each screw to the appropriate torque value below.

Note: The outside nut should move parallel to the inside nut to avoid the cap screws twisting and getting damaged. This is why the cap screws are tightened in a star pattern and repeated. You may need to repeat this several times to tighten all the cap screws perfectly, this is a very standard way as seen with automobile wheels.

HOW TO UNLOCK CROSSLOC™

- Step 1:** Loosen all cap screws until they are freed.
- Step 2:** Turn cap screws counterclockwise in a star pattern and repeat until dismounted.

Note: When you want to unlock CROSSLOC™, loosening and turning counterclockwise is needed. They are the same left rotation but turning counterclockwise does not loosen. Loosen all cap screws to be freed first. Then you need to push (CX) or pull (CXC) the outside nut to release the adapter sleeve from the inner ring. Turn the cap screws counterclockwise in a star pattern and repeat until dismounted. It's same as locking and the outside nut should move parallelly.

CROSSLOC™ CAP SCREW TORQUE TABLES

CROSSLOC™ CX					CROSSLOC™ CXC				
Shaft Dia.	Bearing Number	Cap Screw	Torque	Cap Screw#	Shaft Dia.	Bearing Number	Cap Screw	Torque	Cap Screw#
1-15/16 - 2-7/16 in. 50 - 85 mm	22211-22215 CX	M5×12	59.1 in-lbs 6.7 Nm	4	1-7/16 - 3 in. 40 - 75 mm	22208-22215 CXC	M5×12	35.3 in-lbs 4 Nm	4
2-11/16, 2-15/16 in. 70 - 85 mm	22216-22219 CX	M6×14	83.5 in-lbs 9.5 Nm	4	3-1/4, 3-1/2 in. 80 - 90 mm	22218 CXC	M6×14	44.0 in-lbs 5 Nm	4
3-7/16 - 4-7/16 in. 90 - 115 mm	22220-22226 CX	M8×16	160.5 in-lbs 18.2 Nm	4	3-15/16 - 5 in. 100 - 125 mm	22220-22226 CXC	M8×16	88.2 in-lbs 10 Nm	4
4-15/16 - 5-1/2 in. 125 - 140 mm	22228-22232 CX	M8×16	160.5 in-lbs 18.2 Nm	6					

RECOMMENDED SHAFT TOLERANCES

Shaft Dia.	Setscrew Collar Mount	CROSSLOC™ Mount
1-7/16 - 2 in. 40 - 55 mm	-0.0015 in. -0.038 mm	-0.003 in. -0.076 mm
2-3/16 - 4 in. 60 - 100 mm	-0.002 in. -0.051 mm	-0.004 in. -0.102 mm
4-7/16 - 5-1/2 in. 110 - 140 mm	-0.003 in. -0.076 mm	-0.005 in. -0.127 mm

CS SETSCREW TORQUE TABLE

Shaft Dia.	Bearing Number	Setscrew	Torque
1-7/16 - 2 in. 40 - 50 mm	22208-22210 CS	3/8 -24UNF M8×1.25	197 in-lbs 22.3 Nm
2-3/16, 2-1/4 in. 55 mm	22211 CS	7/16 -20UNF M10×1.25	269 in-lbs 30.5 Nm
2-7/16 - 3-1/2 in. 60 - 90 mm	22213-22218 CS	1/2 -20UNF M12×1.75	440 in-lbs 49.8 Nm
3-15/16 - 4-7/16 in. 100 - 110 mm	22220-22222 CS	5/8 -18UNF M16×2	920 in-lbs 102.8 Nm

MOUNTING BOLTS TORQUE TABLE

Bolt Size	Torque
3/8 in. / M10	168 in-lbs / 19 Nm
1/2 in. / M12	292 in-lbs / 33 Nm
5/8 in. / M16	735 in-lbs / 83 Nm
3/4 in. / M20	1460 in-lbs / 165 Nm
7/8 in. / M22	2018 in-lbs / 228 Nm
1 in. / M24	2398 in-lbs / 271 Nm
1-1/8 in. / M30	5036 in-lbs / 569 Nm
1-1/4 in. / M32	5495 in-lbs / 621 Nm

Speed Limits (rpm)

Bearing Number	Triple Lip Seal	Labyrinth Seal
22208	4200	6000
22209	3600	5400
22210	3600	5400
22211	3000	5400
22212	3000	4800
22213	2500	3600
22215	2500	3600
22216	2000	3000
22217	2000	3000
22218	2000	3000
22219	2000	3000
22220	1500	2500
22222	1500	2500
22224	1000	2000
22226	1000	2000
22228	1000	2000
22230	1000	2000
22232	750	1500



RELUBRICATION RECOMMENDATIONS

Bearing Number	Grease Wt. g / oz	Recommended Number of Months Between Relubrication (Based on Operating Speed (rpm) and Continuous Operations)					
		10 months	8 months	6 months	4 months	2 months	1 month
22208	8.4 / 0.3	400	620	950	1460	2250	3470
22209	9.3 / 0.3	360	560	850	1340	2050	3120
22210	10.8 / 0.4	320	510	770	1240	1860	2810
22211	14.8 / 0.5	290	460	690	1140	1700	2530
22212	19.8 / 0.7	260	420	620	1050	1540	2270
22213	26.2 / 0.9	240	380	560	960	1400	2050
22215	32 / 1.1	210	350	500	890	1280	1840
22216	40.1 / 1.4	190	320	450	820	1160	1660
22217	52.9 / 1.9	170	290	410	750	1060	1490
22218	62 / 2.2	160	260	370	690	960	1340
22219	75.4 / 2.7	140	240	330	640	880	1210
22220	88.7 / 3.1	130	220	300	580	800	1090
22222	124.5 / 4.4	110	200	270	540	730	980
22224	152.1 / 5.4	100	180	240	500	660	880
22226	181.9 / 6.4	90	160	220	460	600	790
22228	244.4 / 8.6	80	150	200	420	550	710
22230	300.3 / 10.6	70	140	180	390	500	640
22232	372.9 / 13.2	70	120	160	350	450	580

Grease Fitting	Housing Size			
A-1/4-28UNF	2P08 - 2P10	2EP08 - 2EP10	4F08 - 4F10	4FC08 - 4FC15
A-NPT 1/8	2P11 - 2P20	2EP11 - 2EP18	4P13 - 4P26	4EP13 - 4EP26
	4F11 - 4F20	4FC18 - 4FC20	2SN 2SAF	4SAF



Spherical Roller Bearing Life Calculations

The relationship between the basic rating life, the basic dynamic load rating, and the dynamic equivalent load of the spherical roller bearing is indicated in Formulas below :

$$L_{10} = \left(\frac{C_r}{P_r} \right)^{\frac{10}{3}}$$
$$L_{10h} = \frac{10^6 L_{10}}{60n} = \frac{10^6}{60n} \left(\frac{C_r}{P_r} \right)^{\frac{10}{3}}$$
$$\frac{C_r}{P_r} = \left(\frac{60n L_{10}}{10^6} \right)^{\frac{3}{10}}$$

Symbols for formulas:

L₁₀ : Basic Rating life (10⁶rotations)

L_{10h} : Rated Life (hr)

C_r : Basic Dynamic Load Rating (lbs or newtons)

P_r : Dynamic equivalent Load (lbs or newtons)

n : Speed (min⁻¹)

The relationship of $\left(\frac{C_r}{P_r} \right)$ to rating life (L_{10h}) and speed (n)

Bearing Life Hours (L _{10h})	Speed (rpm)										
	50	100	150	300	500	750	1000	1500	2000	2500	3000
2500	1.83	2.25	2.54	3.13	3.65	4.12	4.50	5.08	5.54	5.92	6.25
5000	2.25	2.77	3.13	3.86	4.50	5.08	5.54	6.25	6.81	7.29	7.70
7500	2.54	3.13	3.54	4.36	5.08	5.73	6.25	7.06	7.70	8.23	8.69
10000	2.77	3.42	3.86	4.75	5.54	6.25	6.81	7.70	8.39	8.97	9.48
15000	3.13	3.86	4.36	5.36	6.25	7.06	7.70	8.69	9.48	10.13	10.70
20000	3.42	4.20	4.75	5.85	6.81	7.70	8.39	9.48	10.33	11.04	11.67
30000	3.86	4.75	5.36	6.60	7.70	8.69	9.48	10.70	11.67	12.47	13.17
40000	4.20	5.18	5.85	7.20	8.39	9.48	10.33	11.67	12.72	13.60	14.36
50000	4.50	5.54	6.25	7.70	8.97	10.13	11.04	12.47	13.60	14.54	15.36
60000	4.75	5.85	6.60	8.13	9.48	10.70	11.67	13.17	14.36	15.36	16.22
70000	4.97	6.12	6.92	8.51	9.92	11.21	12.22	13.80	15.04	16.08	16.99
80000	5.18	6.37	7.20	8.86	10.33	11.67	12.72	14.36	15.66	16.74	17.68
100000	5.54	6.81	7.70	9.48	11.04	12.47	13.60	15.36	16.74	17.90	18.91
150000	6.25	7.70	8.69	10.70	12.47	14.09	15.36	17.34	18.91	20.21	21.35

Dynamic Equivalent Load

In many cases, a bearing is exposed to the combined vector load of both radial and axial load components. It may also be used under more severe conditions such as vibration and shock load. In this case, a direct comparison to the dynamic load rating is not appropriate. In such a case, find the load equivalent to a direct radial load only and compare this with the basic dynamic load rating. The converted virtual load is called dynamic equivalent load (Pr).

Calculation of dynamic equivalent load

The dynamic equivalent radial load (Pr) of a bearing that bears radial and axial loads as well as vibration and impact is found by the following formula.

Pr = XFr + YFa

Whereas, Pr: Dynamic equivalent radial load, N
Fr: Radial load, N
Fa: Axial load, N
X: Radial load factor (see Table 1.1)
Y: Axial load factor (see Table 1.1)

Table 1.1

Bearing Number	Dynamic Cr		Static Cor		e	Fa/Fr<e		Fa/Fr >e	
	lbs	kN	lbs	kN		X	Y	X	Y
22208	20408	90.7	21623	96.1	0.28	1	2.41	0.67	3.59
22209	21150	94	23625	105	0.26		2.57		3.82
22210	22095	98.2	25313	112.5	0.24		2.77		4.12
22211	27450	122	32625	145	0.24		2.93		4.21
22212	34200	152	39375	175	0.25		2.71		4.03
22213	40050	178	47700	212	0.25		2.71		4.03
22215	42075	187	51300	228	0.22		3		4.47
22216	50175	223	60525	269	0.22		3		4.47
22217	59175	263	71325	317	0.24		2.86		4.25
22218	67950	302	83925	373	0.24		2.86		4.25
22219	74025	329	92700	412	0.24		2.86		4.25
22220	83475	371	105975	471	0.24		2.78		4.14
22222	136350	606	164475	731	0.23		2.7		4.17
22224	153000	680	193275	859	0.25		2.92		4.15
22226	182250	810	260550	1158	0.25		2.88		4.08
22228	204975	911	279675	1243	0.27		2.76		4.11
22230	241425	1073	312075	1387	0.27		2.74		4.15
22232	270000	1200	393300	1748	0.24		2.86		4.21

Load factor

Even if the static radial load and the axial load can be accurately calculated, the actual loads are generally greater than the calculated figures. This is due to the presence of vibration and shock load during actual machine operation.

To find the loads actually applied to a bearing, multiply the values determined for the static load by the following load factors.

F = fw · Fc
Whereas,
F: Load actually applied to bearing, N
Fc: Theoretically calculated load, N
fw: Load factor (see Table 1.2)

Table 1.2 Load factor fw

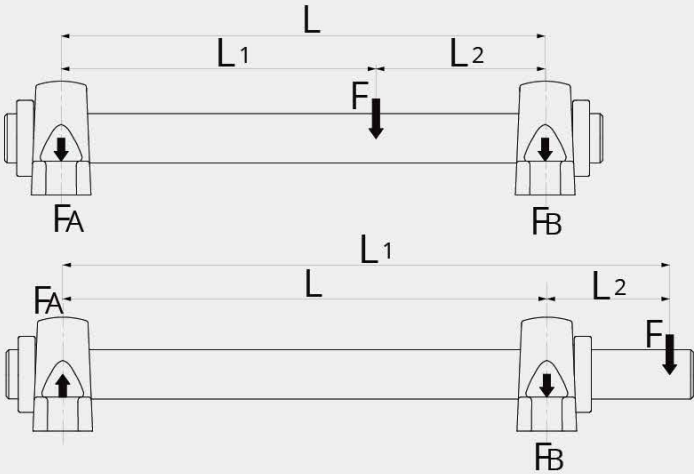
Operating conditions	Operating conditions	fw
Virtually no vibration or impact	Electric machines and instruments	1-1.2
Ordinary operation (light impact)	Agricultural machines and blower	1.2-2
Great vibration and impact	Construction machines and grinders	2-3

Distribution of Bearing Load

In order to determine the radial load distribution to each bearing attached to a shaft, use the procedure shown below.

F_A= $\frac{L^2}{L}$ · F

F_B= $\frac{L^1}{L}$ · F





BEARING SELECTION CHART

Radial Load Ratings in Pounds at Various RPM for L10 Life Hours

Bearing Number	L10 life (Hr)	Allowable Radial Load (lbs) at Various RPM															
		50	100	150	300	500	750	1000	1500	2000	2500	3000	3600	4200	4800	5400	6000
22208	10000	7356	5975	5291	4297	3687	3265	2995	2652	2432	2275	2154	2039	1947	1871	1806	1749
	25000	5588	4539	4019	3265	2801	2480	2275	2014	1848	1728	1636	1549	1479	1421	1372	1329
	50000	4539	3687	3265	2652	2275	2014	1848	1636	1501	1404	1329	1258	1201	1154	1114	1079
	70000	4103	3333	2951	2397	2056	1821	1670	1479	1357	1269	1201	1137	1086	1043	1007	976
	100000	3687	2995	2652	2154	1848	1636	1501	1329	1219	1140	1079	1022	976	938	905	877
	22209	10000	7624	6192	5483	4454	3821	3383	3104	2748	2521	2358	2232	2113	2018	1939	1871
		25000	5792	4704	4165	3383	2903	2570	2358	2088	1915	1791	1696	1605	1533	1473	1422
		50000	4704	3821	3383	2748	2358	2088	1915	1696	1555	1455	1377	1304	1245	1196	1155
70000		4253	3454	3058	2484	2131	1887	1731	1533	1406	1315	1245	1179	1126	1081	1044	
	100000	3821	3104	2748	2232	1915	1696	1555	1377	1263	1182	1119	1059	1011	972	938	
	22210	10000	7964	6469	5728	4653	3992	3535	3242	2871	2634	2463	2332	2208	2108	2025	1955
		25000	6050	4914	4352	3535	3032	2685	2463	2181	2001	1871	1771	1677	1601	1538	1485
		50000	4914	3992	3535	2871	2463	2181	2001	1771	1625	1520	1439	1362	1301	1250	1206
70000		4443	3608	3195	2595	2227	1972	1809	1601	1469	1374	1301	1231	1176	1130	1090	
	100000	3992	3242	2871	2332	2001	1771	1625	1439	1320	1234	1169	1107	1057	1015	980	
	22211	10000	9895	8037	7117	5780	4959	4391	4028	3567	3272	3060	2897	2743	2619	2516	2429
		25000	7517	6105	5406	4391	3767	3336	3060	2709	2485	2325	2201	2084	1989	1911	1845
		50000	6105	4959	4391	3567	3060	2709	2485	2201	2019	1888	1788	1692	1616	1553	1499
70000		5519	4483	3970	3224	2766	2449	2247	1989	1825	1707	1616	1530	1461	1403	1355	
	100000	4959	4028	3567	2897	2485	2201	2019	1788	1640	1534	1452	1375	1313	1261	1217	
	22212	10000	12328	10013	8867	7202	6179	5471	5019	4444	4076	3812	3609	3417	3263	3135	
		25000	9365	7607	6736	5471	4694	4156	3812	3376	3097	2896	2742	2596	2479	2381	
		50000	7607	6179	5471	4444	3812	3376	3097	2742	2515	2352	2227	2109	2013	1934	
70000		6876	5585	4946	4017	3446	3052	2799	2479	2274	2127	2013	1906	1820	1749		
	100000	6179	5019	4444	3609	3097	2742	2515	2227	2043	1911	1809	1713	1635	1571		
	22213	10000	14437	11726	10383	8434	7235	6407	5877	5204	4774	4465	4227	4002			
		25000	10967	8908	7888	6407	5496	4867	4465	3953	3626	3392	3211	3040			
		50000	8908	7235	6407	5204	4465	3953	3626	3211	2945	2755	2608	2469			
70000		8053	6541	5792	4704	4036	3574	3278	2903	2663	2490	2358	2232				
	100000	7235	5877	5204	4227	3626	3211	2945	2608	2392	2238	2118	2006				
	22215	10000	15167	12319	10908	8860	7601	6731	6174	5467	5015	4690	4441	4204			
		25000	11521	9358	8286	6731	5774	5113	4690	4153	3810	3563	3373	3194			
		50000	9358	7601	6731	5467	4690	4153	3810	3373	3094	2894	2740	2594			
70000		8460	6871	6084	4942	4240	3754	3444	3049	2797	2616	2477	2345				
	100000	7601	6174	5467	4441	3810	3373	3094	2740	2513	2351	2226	2107				
	22216	10000	18086	14691	13008	10566	9065	8026	7363	6520	5980	5593	5295				
		25000	13739	11160	9882	8026	6886	6097	5593	4953	4543	4249	4023				
		50000	11160	9065	8026	6520	5593	4953	4543	4023	3690	3451	3267				
70000		10088	8194	7256	5894	5056	4477	4107	3637	3336	3120	2954					
	100000	9065	7363	6520	5295	4543	4023	3690	3267	2997	2803	2654					
	22217	10000	21331	17326	15341	12461	10691	9466	8683	7689	7053	6596	6245				
		25000	16204	13162	11654	9466	8121	7191	6596	5841	5358	5011	4744				
		50000	13162	10691	9466	7689	6596	5841	5358	4744	4352	4070	3854				
70000		11898	9664	8557	6951	5963	5280	4844	4289	3934	3679	3484					
	100000	10691	8683	7689	6245	5358	4744	4352	3854	3535	3306	3130					

Bearing Number	L10 life (Hr)	Allowable Radial Load (lbs) at Various RPM											
		50	100	150	300	500	750	1000	1500	2000	2500	3000	
22218	10000	24494	19895	17616	14309	12276	10870	9971	8829	8099	7575	7171	
	25000	18607	15113	13382	10870	9325	8257	7575	6707	6153	5754	5448	
	50000	15113	12276	10870	8829	7575	6707	6153	5448	4997	4674	4425	
	70000	13662	11097	9826	7981	6847	6063	5562	4925	4518	4225	4000	
	100000	12276	9971	8829	7171	6153	5448	4997	4425	4059	3796	3594	
22219	10000	26683	21674	19191	15588	13373	11842	10863	9618	8823	8252	7813	
	25000	20270	16465	14579	11842	10159	8996	8252	7307	6703	6269	5935	
	50000	16465	13373	11842	9618	8252	7307	6703	5935	5444	5092	4821	
	70000	14884	12089	10705	8695	7460	6605	6059	5365	4921	4603	4358	
	100000	13373	10863	9618	7813	6703	5935	5444	4821	4422	4136	3916	
22220	10000	30090	24441	21641	17578	15081	13353	12249	10846	9950	9305		
	25000	22858	18566	16440	13353	11456	10144	9305	8240	7558	7069		
	50000	18566	15081	13353	10846	9305	8240	7558	6693	6139	5742		
	70000	16784	13633	12071	9805	8412	7448	6833	6050	5550	5190		
	100000	15081	12249	10846	8810	7558	6693	6139	5436	4987	4664		
22222	10000	49149	39922	35349	28713	24633	21812	20008	17717	16252	15199		
	25000	37337	30327	26853	21812	18713	16569	15199	13459	12346	11546		
	50000	30327	24633	21812	17717	15199	13459	12346	10932	10028	9379		
	70000	27415	22268	19718	16016	13740	12166	11160	9882	9065	8478		
	100000	24633	20008	17717	14390	12346	10932	10028	8879	8145	7618		
22224	10000	55151	44797	39666	32219	27641	24475	22452	19880	18236			
	25000	41896	34030	30133	24475	20998	18593	17055	15102	13853			
	50000	34030	27641	24475	19880	17055	15102	13853	12267	11252			
	70000	30763	24987	22125	17971	15418	13652	12523	11089	10172			
	100000	27641	22452	19880	16148	13853	12267	11252	9964	9140			
22226	10000	65695	53361	47249	38378	32925	29154	26744	23681	21723			
	25000	49906	40536	35893	29154	25012	22147	20316	17989	16502			
	50000	40536	32925	29154	23681	20316	17989	16502	14612	13404			
	70000	36644	29764	26355	21407	18365	16262	14917	13209	12117			
	100000	32925	26744	23681	19235	16502	14612	13404	11868	10887			
22228	10000	73886	60014	53141	43164	37031	32790	30078	26633	24431			
	25000	56128	45590	40369	32790	28131	24909	22849	20232	18559			
	50000	45590	37031	32790	26633	22849	20232	18559	16434	15075			
	70000	41213	33475	29641	24076	20655	18290	16777	14856	13628			
	100000	37031	30078	26633	21633	18559	16434	15075	13348	12245			
22230	10000	87025	70687	62591	50839	43616	38621	35427	31370	28776			
	25000	66109	53698	47547	38621	33133	29338	26913	23830	21860			
	50000	53698	43616	38621	31370	26913	23830	21860	19356	17756			
	70000	48542	39428	34912	28358	24329	21542	19761	17498	16051			
	100000	43616	35427	31370	25480	21860	19356	17756	15722	14422			
22232	10000	97326	79053	69999	56857	48778	43192	39620	35083				
	25000	73934	60053	53175	43192	37055	32811	30098	26651				
	50000	60053	48778	43192	35083	30098	26651	24447	21647				
	70000	54287	44095	39045	31714	27208	24092	22100	19569				
	100000	48778	39620	35083	28496	24447	21647	19857	17583				

INTERCHANGE GUIDE
CX2SN

Shaft Dia.	COC	Dodge(P2B500-ISN)	Rexnord	Timken(QVVSN)	SKF(SYNT)	FAG
1-3/4 in.	CX2SN10-112	P2B510-ISN-112FR	-	-	-	SNV90+22210K+H310X112
45 mm	CX2SN10-045	P2B510-ISN-045MFR	P2B-RN06-6045MM-Z	-	SYNT45F	SNV90+22210K+H310X
1-15/16 in.	CX2SN11-115	P2B511-ISN-115FR	-	QVVSN11V115S	-	SNV100+22211K+H311X115
50 mm	CX2SN11-050	P2B511-ISN-050MFR	P2B-RN07-6050MM-Z	QVVSN11V050S	SYNT50F	SNV100+22211K+H311X
2 in.	CX2SN11-200	P2B511-ISN-200FR	-	QVVSN11V200S	-	SNV100+22211K+H311X200
55 mm	CX2SN12-055	P2B512-ISN-055MFR	P2B-RN07-6055MM-Z	QVVSN12V055S	SYNT55F	SNV110+22212K+H312X
2-3/16 in.	CX2SN13-203	P2B513-ISN-203FR	-	-	-	SNV120+22213K+H313X203
60 mm	CX2SN13-060	P2B513-ISN-060MFR	P2B-RN08-6060MM-Z	QVVSN14V060S	SYNT60F	SNV120+22213K+H313X
2-7/16 in.	CX2SN15-207	P2B515-ISN-207FR	-	QVVSN14V207S	-	SNV130+22215K+H315X207
65 mm	CX2SN15-065	P2B515-ISN-065MFR	P2B-RN09-6065MM-Z	QVVSN14V065S	SYNT65F	SNV130+22215K+H315X
2-11/16 in.	CX2SN16-211	P2B516-ISN-211FR	-	QVVSN16V211S	-	SNV140+22216K+H316X211
70 mm	CX2SN16-070	P2B516-ISN-070MFR	P2B-RN09-6070MM-Z	QVVSN16V070S	SYNT70F	SNV140+22216K+H316X
2-15/16 in.	CX2SN17-215	P2B517-ISN-215FR	-	QVVSN16V215S	-	SNV150+22217K+H317X215
75 mm	CX2SN17-075	P2B517-ISN-075MFR	P2B-RN09-6075MM-Z	QVVSN16V075S	SYNT75F	SNV150+22217K+H317X
80 mm	CX2SN18-080	P2B518-ISN-080MFR	P2B-RN10-6080MM-Z	QVVSN19V080S	SYNT80F	SNV160+22218K+H318X
85 mm	CX2SN19-085	P2B519-ISN-085MFR	P2B-RN10-6085MM-Z	QVVSN19V085S	SYNT85F	SNV170+22219K+H319X
3-7/16 in.	CX2SN20-307	P2B520-ISN-307FR	-	QVVSN19V307S	-	SNV180+22220K+H320X307
90 mm	CX2SN20-090	P2B520-ISN-090MFR	P2B-RN11-6090MM-Z	QVVSN19V090S	SYNT90F	SNV180+22220K+H320X
100 mm	CX2SN22-100	P2B522-ISN-100MFR	P2B-RN11-6100MM-Z	QVVSN22V100S	SYNT100F	SNV200+22222K+H322X
3-15/16 in.	CX2SN22-315	P2B522-ISN-315FR	-	QVVSN22V315S	-	SNV200+22222K+H322X400
110 mm	CX2SN24-110	P2B524-ISN-110MFR	P2B-RN12-6110MM-Z	QVVSN26V110S	-	SNV215+22224K+H2324X
4-7/16 in.	CX2SN26-407	P2B526-ISN-407FR	-	QVVSN26V407S	-	SNV230+22226K+H326X407
115 mm	CX2SN26-115	P2B526-ISN-115MFR	P2B-RN13-6115MM-Z	QVVSN26V115S	-	SNV230+22226K+H2326X
125 mm	CX2SN28-125	P2B528-ISN-125MFR	P2B-RN13-6125MM-Z	QVVSN28V125S	-	SNV250+22228K+H2328X
4-15/16 in.	CX2SN28-415	P2B528-ISN-415FR	-	QVVSN28V415S	-	SNV250+22228K+H328X415
135 mm	CX2SN30-135	P2B530-ISN-135MFR	-	-	-	SNV270+22230K+H2330X
5-7/16 in.	CX2SN32-507	-	-	-	-	SNV290+22232K+H3132X507
5-1/2 in.	CX2SN32-508	-	-	-	-	SNV290+22232K+H3132X508
140 mm	CX2SN32-140	P2B532-ISN-140MFR	-	-	-	SNV290+22232K+H2332X



INTERCHANGE GUIDE
CX2SAF

Shaft Dia.	COC	Dodge(P2B500-ISAF)	Dodge(P2B500-USAF)	Rexnord	LinkBelt	Timken(QVVPA)	SKF
1-11/16 in.	CX2SAF10-111	P2B510-ISAF-111R	P2B510-USAF-111TT	-	-	-	SAF22510
1-3/4 in.	CX2SAF10-112	-	-	-	-	-	-
45 mm	CX2SAF10-045	P2B510-ISAF-045MR	-	-	-	-	-
1-15/16 in.	CX2SAF11-115	P2B511-ISAF-115R	P2B511-USAF-115TT	ZAF5115	ZAF6115	-	SAF22511
50 mm	CX2SAF11-050	P2B511-ISAF-050MR	-	ZAF5050MM	-	-	-
2 in.	CX2SAF11-200	-	-	-	-	-	-
2-3/16 in.	CX2SAF13-203	P2B513-ISAF-203R	P2B513-USAF-203TT	ZAF5203	ZAF6203	QVVPA13V203	SAF22513
60 mm	CX2SAF13-060	P2B513-ISAF-060MR	-	-	-	-	-
2-7/16 in.	CX2SAF15-207	P2B515-ISAF-207R	P2B515-USAF-207TT	ZAF5207	ZAF6207	QVVPA15V207	SAF22515
65 mm	CX2SAF15-065	P2B515-ISAF-065MR	-	ZAF5065MM	-	QVVPA15V065	-
2-11/16 in.	CX2SAF16-211	P2B516-ISAF-211R	P2B516-USAF-211TT	ZAF5211	ZAF6211	QVVPA16V211	SAF22516
70 mm	CX2SAF16-070	P2B516-ISAF-070MR	-	ZAF5070MM	ZAF6070MM	QVVPA16V070	-
2-15/16 in.	CX2SAF17-215	P2B517-ISAF-215R	P2B517-USAF-215TT	ZAF5215	ZAF6215	QVVPA17V215	SAF22517
75 mm	CX2SAF17-075	P2B517-ISAF-075MR	-	ZAF5075MM	ZAF6075MM	QVVPA17V075	-
3-7/16 in.	CX2SAF20-307	P2B520-ISAF-307R	P2B520-USAF-307TT	ZAF5307	ZAF6307	QVVPA20V307	SAF22520
90 mm	CX2SAF20-090	P2B520-ISAF-090MR	-	ZAF5090MM	ZAF6090MM	QVVPA20V090	-

INTERCHANGE GUIDE
CX4SAF

Shaft Dia.	COC	Dodge(P4B500-ISAF)	Dodge(P4B500-USAF)	Rexnord	LinkBelt	Timken(QVVPH)	SKF
2-7/16 in.	CX4SAF15-207	P4B515-ISAF-207R	P4B515-USAF-207TT	ZAF5207F	ZAF6207F	QVVPH15V207	FSAF22515
65 mm	CX4SAF15-065	P4B515-ISAF-065MR	-	ZAF5065MMF	-	QVVPH15V065	-
2-11/16 in.	CX4SAF16-211	P4B516-ISAF-211R	P4B516-USAF-211TT	ZAF5211F	ZAF6211F	QVVPH16V211	FSAF22516
70 mm	CX4SAF16-070	P4B516-ISAF-070MR	-	ZAF5070MMF	ZAF6070MMF	QVVPH16V070	-
2-15/16 in.	CX4SAF17-215	P4B517-ISAF-215R	P4B517-USAF-215TT	ZAF5215F	ZAF6215F	QVVPH17V215	FSAF22517
75 mm	CX4SAF17-075	P4B517-ISAF-075MR	-	ZAF5075MMF	ZAF6075MMF	QVVPH17V075	-
3-7/16 in.	CX4SAF20-307	P4B520-ISAF-307R	P4B520-USAF-307TT	ZAF5307F	ZAF6307F	QVVPH20V307	FSAF22520
90 mm	CX4SAF20-090	P4B520-ISAF-090MR	-	ZAF5090MMF	ZAF6090MMF	QVVPH20V090	-
100 mm	CX4SAF22-100	P4B522-ISAF-100MR	-	ZAF5100MMF	ZAF6100MMF	QVVPH22V100	-
3-15/16 in.	CX4SAF22-315	P4B522-ISAF-315R	P4B522-USAF-315TT	ZAF5315F	ZAF6315F	QVVPH22V315	FSAF22522
4-7/16 in.	CX4SAF26-407	P4B526-ISAF-407R	P4B526-USAF-407TT	ZAF5407YF	ZAF6407YF	QVVPH26V407	FSAF22526
115 mm	CX4SAF26-115	P4B526-ISAF-115MR	-	ZAF5115MMF	ZAF6115MMF	QVVPH26V115	-
125 mm	CX4SAF28-125	P4B528-ISAF-125MR	-	ZAF5125MMF	ZAF6125MMF	QVVPH28V125	-
4-15/16 in.	CX4SAF28-415	P4B528-ISAF-415R	P4B528-USAF-415TT	ZAF5415F	ZAF6415F	QVVPH28V415	FSAF22528
5-7/16 in.	CX4SAF32-507	P4B532-ISAF-507R	P4B532-USAF-507TT	ZAF5507F	ZAF6507F	-	FSAF22532
5-1/2 in.	CX4SAF32-508	P4B532-ISAF-508R	P4B532-USAF-508TT	-	-	-	-
140 mm	CX4SAF32-140	P4B532-ISAF-140MR	-	ZAF5140MMF	ZAF6140MMF	-	-



INTERCHANGE GUIDE
CXC2P

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster(Klomploc)	Timken	Moline	SKF
1-7/16 in.	CXC2P08-107	P2B-IP-107R	ZA6107	PB22623	USRB5000K-107	-	19721107	P2B107-SRB-CRH
1-1/2 in.	CXC2P08-108	P2B-IP-108R	-	-	USRB5000K-108	-	19721108	P2B108-SRB-CRH
1-11/16 in.	CXC2P09-111	P2B-IP-111R	ZA6111	-	USRB5000K-111	-	19721111	P2B111-SRB-CRH
1-15/16 in.	CXC2P10-115	P2B-IP-115R	ZA6115	PB22631	USRB5000K-115	QVVPL11V-115S	19721115	P2B115-SRB-CRH
55 mm	CXC2P11-055	P2B-IP-055MR	ZA6055MM	-	-	QVVPL12V-055S	-	-
2-3/16 in.	CXC2P11-203	P2B-IP-203R	ZA6203	PB22635	USRB5000K-203	QVVPL12V-203S	19721203	P2B203-SRB-CRH
60 mm	CXC2P13-060	P2B-IP-060MR	ZA6060MM	-	-	QVVPL14V-060S	-	-
2-7/16 in.	CXC2P13-207	P2B-IP-207R	ZA6207	PB22639	USRB5000K-207	QVVPL14V-207S	19721207	P2B207-SRB-CRH
2-1/2 in.	CXC2P13-208	P2B-IP-208R	-	-	USRB5000K-208	QVVPL14V-208S	19721208	P2B208-SRB-CRH
65 mm	CXC2P13-065	-	-	-	-	QVVPL14V-065S	-	-
2-11/16 in.	CXC2P15-211	P2B-IP-211R	ZA6211	PB22643	USRB5000K-211	QVVPL16V-211S	19721211	P2B211-SRB-CRH
2-3/4 in.	CXC2P15-212	P2B-IP-212R	ZA6212	-	-	QVVPL16V-212S	19721212	P2B212-SRB-CRH
70 mm	CXC2P15-070	P2B-IP-070MR	ZA6070MM	-	-	QVVPL16V-070S	-	-
2-15/16 in.	CXC2P15-215	P2B-IP-215R	ZA6215	PB22647	USRB5000K-215	QVVPL16V-215S	19721215	P2B215-SRB-CRH
75 mm	CXC2P15-075	P2B-IP-075MR	ZA6075MM	-	-	QVVPL16V-075S	-	-
3 in.	CXC2P15-300	P2B-IP-300R	-	-	USRB5000K-300	QVVPL16V-300S	19721300	P2B300-SRB-CRH
80 mm	CXC2P18-080	P2B-IP-080MR	ZA6080MM	-	-	QVVPL19V-080S	-	-
85 mm	CXC2P18-085	P2B-IP-085MR	ZA6085MM	-	-	QVVPL19V-085S	-	-
3-7/16 in.	CXC2P18-307	P2B-IP-307R	ZA6307	-	-	QVVPL19V-307S	19721307	P2B307-SRB-CRH
3-1/2 in.	CXC2P18-308	P2B-IP-308R	-	-	-	QVVPL19V-308S	19721308	P2B308-SRB-CRH
90 mm	CXC2P18-090	-	-	-	-	QVVPL19V-090S	-	-
100 mm	CXC2P20-100	P2B-IP-100MR	-	-	-	QVVPL22V-100S	-	-
3-15/16 in.	CXC2P20-315	P2B-IP-315R	-	PB22663	-	QVVPL22V-315S	-	-
4 in.	CXC2P20-400	P2B-IP-400R	-	-	-	QVVPL22V-400S	-	-

INTERCHANGE GUIDE
CXC2EP

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster(Klomploc)	Timken	Moline	SKF
1-7/16 in.	CXC2EP08-107	EP2B-IP-107R	ZEP6107	EPB22623	USRBE5000K-107	-	29721107	P2BE107-SRB-CRH
1-11/16 in.	CXC2EP09-111	EP2B-IP-111R	ZEP6111	-	USRBE5000K-111	-	29721111	P2BE111-SRB-CRH
1-15/16 in.	CXC2EP10-115	EP2B-IP-115R	ZEP6115	EPB22631	USRBE5000K-115	QVVP11V-115S	29721115	P2BE115-SRB-CRH
2-3/16 in.	CXC2EP11-203	EP2B-IP-203R	ZEP6203	EPB22635	USRBE5000K-203	QVVP12V-203S	29721203	P2BE203-SRB-CRH
2-7/16 in.	CXC2EP13-207	EP2B-IP-207R	ZEP6207	EPB22639	USRBE5000K-207	QVVP14V-207S	29721207	P2BE207-SRB-CRH
2-1/2 in.	CXC2EP13-208	EP2B-IP-208R	-	-	USRBE5000K-208	QVVP14V-208S	29721208	P2BE208-SRB-CRH
2-11/16 in.	CXC2EP15-211	EP2B-IP-211R	ZEP6211	EPB22643	USRBE5000K-211	QVVP16V-211S	29721211	P2BE211-SRB-CRH
2-3/4 in.	CXC2EP15-212	EP2B-IP-212R	ZEP6212	-	-	QVVP16V-212S	29721212	P2BE212-SRB-CRH
2-15/16 in.	CXC2EP15-215	EP2B-IP-215R	ZEP6215	EPB22647	USRBE5000K-215	QVVP16V-215S	29721215	P2BE215-SRB-CRH
3 in.	CXC2EP15-300	EP2B-IP-300R	-	-	USRBE5000K-300	QVVP16V-300S	29721300	P2BE300-SRB-CRH
3-7/16 in.	CXC2EP18-307	EP2B-IP-307R	ZEP6307	EPB22655	-	QVVP19V-307S	29721307	P2BE307-SRB-CRH
3-1/2 in.	CXC2EP18-308	EP2B-IP-308R	-	-	-	QVVP19V-308S	29721308	P2BE308-SRB-CRH



INTERCHANGE GUIDE
CXC4P

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster	Timken	Moline	SKF
60 mm	CXC4P13-060	P4B-IP-060MR	ZA6060MMF	-	-	QVVPF14V-060S	-	-
2-7/16 in.	CXC4P13-207	P4B-IP-207R	ZA6207F	PB22639F	USRBF5000A-207	QVVPF14V-207S	19741207	-
2-1/2 in.	CXC4P13-208	P4B-IP-208R	-	-	USRBF5000A-208	QVVPF14V-208S	19741208	-
65 mm	CXC4P13-065	-	-	-	-	QVVPF14V-065S	-	-
2-11/16 in.	CXC4P15-211	P4B-IP-211R	ZA6211F	PB22643F	USRBF5000A-211	QVVPF16V-211S	19741211	-
2-3/4 in.	CXC4P15-212	P4B-IP-212R	ZA6212F	-	-	QVVPF16V-212S	19741212	-
70 mm	CXC4P15-070	P4B-IP-070MR	ZA6070MMF	-	-	QVVPF16V-070S	-	-
2-15/16 in.	CXC4P15-215	P4B-IP-215R	ZA6215F	PB22647F	USRBF5000A-215	QVVPF16V-215S	19741215	-
75 mm	CXC4P15-075	P4B-IP-075MR	ZA6075MMF	-	-	QVVPF16V-075S	-	-
3 in.	CXC4P15-300	P4B-IP-300R	-	-	USRBF5000A-300	QVVPF16V-300S	19741300	-
80 mm	CXC4P18-080	P4B-IP-080MR	ZA6080MMF	-	-	QVVPF19V-080S	-	-
85 mm	CXC4P18-085	P4B-IP-085MR	ZA6085MMF	-	-	QVVPF19V-085S	-	-
3-7/16 in.	CXC4P18-307	P4B-IP-307R	ZA6307F	PB22655F	USRBF5000A-307	QVVPF19V-307S	19741307	-
3-1/2 in.	CXC4P18-308	P4B-IP-308R	-	-	USRBF5000A-308	QVVPF19V-308S	19741308	-
90 mm	CXC4P18-090	-	-	-	-	QVVPF19V-090S	-	-
100 mm	CXC4P20-100	P4B-IP-100MR	ZA6100MMF	-	-	QVVPF22V-100S	-	-
3-15/16 in.	CXC4P20-315	P4B-IP-315R	ZA6315F	PB22663F	USRBF5000A-315	QVVPF22V-315S	19741315	FSYE 3-15/16N
4 in.	CXC4P20-400	P4B-IP-400R	-	-	USRBF5000A-400	QVVPF22V-400S	19741400	FSYE 4N
110 mm	CXC4P22-110	P4B-IP-110MR	-	-	-	QVVPF26V-110S	-	-
4-7/16 in.	CXC4P22-407	P4B-IP-407R	-	-	USRB5000A-407	QVVPF26V-407S	-	FSYE 4 7/16N
125 mm	CXC4(E)P26-125	P4B-IP-125MR	-	-	-	-	-	-
4-15/16 in.	CXC4(E)P26-415	P4B-IP-415R	-	-	USRB5000A-415	QVVPF28V-415S	19241415	FSYE 4 15/16NH
5 in.	CXC4(E)P26-500	P4B-IP-500R	-	-	USRB5000A-500	QVVPF28V-500S	19241500	-

INTERCHANGE GUIDE
CXC4EP

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster	Timken	SKF
2-7/16 in.	CXC4EP13-207	EP4B-IP-207R	ZEP6207F	EPB22639F	-	QVVP14V-207S	P4BE207-SRB-CRH
2-1/2 in.	CXC4EP13-208	EP4B-IP-208R	-	-	-	QVVP14V-208S	P4BE208-SRB-CRH
2-11/16 in.	CXC4EP15-211	EP4B-IP-211R	ZEP6211F	EPB22643F	-	QVVP16V-211S	P4BE211-SRB-CRH
2-3/4 in.	CXC4EP15-212	EP4B-IP-212R	ZEP6212F	-	-	QVVP16V-212S	P4BE212-SRB-CRH
2-15/16 in.	CXC4EP15-215	EP4B-IP-215R	ZEP6215F	EPB22647F	-	QVVP16V-215S	P4BE215-SRB-CRH
3 in.	CXC4EP15-300	EP4B-IP-300R	-	-	-	QVVP16V-300S	P4BE300-SRB-CRH
3-7/16 in.	CXC4EP18-307	EP4B-IP-307R	ZEP6307F	EPB22655F	-	QVVP19V-307S	P4BE307-SRB-CRH
3-1/2 in.	CXC4EP18-308	EP4B-IP-308R	-	-	-	QVVP19V-308S	P4BE308-SRB-CRH
3-15/16 in.	CXC4EP20-315	EP4B-IP-315R	ZEP6315F	-	-	QVVP22V-315S	P4BE315-SRB-CRH
4 in.	CXC4EP20-400	EP4B-IP-400R	ZEP6400F	-	-	QVVP22V-400S	P4BE400-SRB-CRH
4-7/16 in.	CXC4EP22-407	EP4B-IP-407R	ZEP6407YF	-	-	-	-
4-15/16 in.	CXC4(E)P26-415	EP4B-IP-415R	-	-	USRB5000A-415	-	P4BE415-SRB-CRH
5 in.	CXC4(E)P26-500	EP4B-IP-500R	-	-	USRB5000A-500	-	-



INTERCHANGE GUIDE
CXC4F

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster(Klomploc)	Timken(QVFL)	Moline
1-7/16 in.	CXC4F08-107	F4S-IP-107R	-	-	USFB5000K-107	-	19711107
1-1/2 in.	CXC4F08-108	F4S-IP-108R	-	-	USFB5000K-108	-	19711108
1-11/16 in.	CXC4F09-111	F4S-IP-111R	ZF6111	-	USFB5000K-111	-	19711111
1-15/16 in.	CXC4F10-115	F4S-IP-115R	ZF6115	FB22631	USFB5000K-115	QVFL11V-115S	19711115
55 mm	CXC4F11-055	F4S-IP-055MR	ZF6055MM	-	-	QVFL12V-055S	-
2-3/16 in.	CXC4F11-203	F4S-IP-203R	ZF6203	FB22635	USFB5000K-203	QVFL12V-203S	19711203
60 mm	CXC4F13-060	F4S-IP-060MR	-	-	-	QVFL14V-060S	-
2-7/16 in.	CXC4F13-207	F4S-IP-207R	-	FB22639	USFB5000K-207	QVFL14V-207S	19711207
2-1/2 in.	CXC4F13-208	F4S-IP-208R	-	-	USFB5000K-208	QVFL14V-208S	19711208
65 mm	CXC4F13-065	-	-	-	-	QVFL14V-065S	-
2-11/16 in.	CXC4F15-211	F4S-IP-211R	-	FB22643	USFB5000K-211	QVFL16V-211S	19711211
2-3/4 in.	CXC4F15-212	F4S-IP-212R	-	-	-	QVFL16V-212S	19711212
70 mm	CXC4F15-070	F4S-IP-070MR	-	-	-	QVFL16V-070S	-
2-15/16 in.	CXC4F15-215	F4S-IP-215R	-	FB22647	USFB5000K-215	QVFL16V-215S	19711215
75 mm	CXC4F15-075	F4S-IP-075MR	-	-	-	QVFL16V-075S	-
3 in.	CXC4F15-300	F4S-IP-300R	-	-	USFB5000K-300	QVFL16V-300S	19711300
80 mm	CXC4F18-080	F4S-IP-080MR	ZF6080MM	-	-	QVFL19V-080S	-
85 mm	CXC4F18-085	F4S-IP-085MR	ZF6085MM	-	-	QVFL19V-085S	-
3-7/16 in.	CXC4F18-307	F4S-IP-307R	ZF6307	-	-	QVFL19V-307S	19711307
3-1/2 in.	CXC4F18-308	F4S-IP-308R	-	-	-	QVFL19V-308S	19711308
90 mm	CXC4F18-090	-	-	-	-	QVFL19V-090S	-
100 mm	CXC4F20-100	F4S-IP-100MR	-	-	-	QVFL22V-100S	-
3-15/16 in.	CXC4F20-315	F4S-IP-315R	-	FB22663	-	QVFL22V-315S	19711315
4 in.	CXC4F20-400	F4S-IP-400R	-	-	-	QVFL22V-400S	19711400

INTERCHANGE GUIDE
CXC4FC

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Sealmaster(Klomploc)	Timken(QVCW)	Moline
1-7/16 in.	CXC4FC08-107	FC-IP-107R	-	-	USFC5000K-107	-	19731107
1-1/2 in.	CXC4FC08-108	FC-IP-108R	-	-	USFC5000K-108	-	19731108
1-11/16 in.	CXC4FC09-111	FC-IP-111R	ZBR6111	-	USFC5000K-111	-	19731111
1-15/16 in.	CXC4FC10-115	FC-IP-115R	ZBR6115	FCB22631	USFC5000K-115	QVCW11V-115S	19731115
55 mm	CXC4FC11-055	FC-IP-055MR	ZBR6055MM	-	-	QVCW12V-055S	-
2-3/16 in.	CXC4FC11-203	FC-IP-203R	ZBR6203	FCB22635	USFC5000K-203	QVCW12V-203S	19731203
60 mm	CXC4FC13-060	FC-IP-060MR	ZBR6060MM	-	-	QVCW14V-060S	-
2-7/16 in.	CXC4FC13-207	FC-IP-207R	ZBR6207	FCB22639	USFC5000K-207	QVCW14V-207S	19731207
2-1/2 in.	CXC4FC13-208	FC-IP-208R	-	-	USFC5000K-208	QVCW14V-208S	19731208
65 mm	CXC4FC13-065	-	-	-	-	QVCW14V-065S	-
2-11/16 in.	CXC4FC15-211	FC-IP-211R	ZBR6211	FCB22643	USFC5000K-211	QVCW16V-211S	19731211
2-3/4 in.	CXC4FC15-212	FC-IP-212R	ZBR6212	-	-	QVCW16V-212S	19731212
70 mm	CXC4FC15-070	FC-IP-070MR	ZBR6070MM	-	-	QVCW16V-070S	-
2-15/16 in.	CXC4FC15-215	FC-IP-215R	ZBR6215	FCB22647	USFC5000K-215	QVCW16V-215S	19731215
75 mm	CXC4FC15-075	FC-IP-075MR	ZBR6075MM	-	-	QVCW16V-075S	-
3 in.	CXC4FC15-300	FC-IP-300R	-	-	USFC5000K-300	QVCW16V-300S	19731300
80 mm	CXC4FC18-080	FC-IP-080MR	ZBR6080MM	-	-	QVCW19V-080S	-
85 mm	CXC4FC18-085	FC-IP-085MR	ZBR6085MM	-	-	QVCW19V-085S	-
3-7/16 in.	CXC4FC18-307	FC-IP-307R	ZBR6307	-	-	QVCW19V-307S	19731307
3-1/2 in.	CXC4FC18-308	FC-IP-308R	-	-	-	QVCW19V-308S	19731308
90 mm	CXC4FC18-090	-	-	-	-	QVCW19V-090S	-
100 mm	CXC4FC20-100	FC-IP-100MR	ZBR6100MM	-	-	QVCW22V-100S	-
3-15/16 in.	CXC4FC20-315	FC-IP-315R	ZBR6315	FCB22663	-	QVCW22V-315S	19731315
4 in.	CXC4FC20-400	FC-IP-400R	-	-	-	QVCW22V-400S	19731400



INTERCHANGE GUIDE
CS2P

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	SealMaster	Timken	Jones	Moline	SKF	PTI	FYH
1-7/16 in.	CS2P08-107	P2B-S2-107R	P2B107T	PB22423H	USRB5000-107C	QAPL08A-107S	JA2107	19221107	P2B107-SRB-SRH	SR2-PB2-107NE	XS2P408-23
1-1/2 in.	CS2P08-108	P2B-S2-108R	-	PB22424H	USRB5000-108C	QAPL08A-108S	JA2108	19221108	P2B108-SRB-SRH	SR2-PB2-108NE	XS2P408-24
40 mm	CS2P08-040	-	-	PB224M40H	-	QAPL08A-040S	-	19221040	-	-	XS2P408
1-11/16 in.	CS2P09-111	P2B-S2-111R	P2B111T	PB22427H	USRB5000-111C	QAPL09A-111S	JA2111	19221111	P2B111-SRB-SRH	SR2-PB2-111NE	XS2P409-27
1-3/4 in.	CS2P09-112	P2B-S2-112R	-	PB22428H	USRB5000-112C	QAPL09A-112S	JA2112	19221112	P2B112-SRB-SRH	SR2-PB2-112NE	XS2P409-28
45 mm	CS2P09-045	-	-	-	-	QAPL09A-045S	-	19221045	-	SR2-PB2-45MMNE	XS2P409
1-15/16 in.	CS2P10-115	P2B-S2-115R	P2B115T	PB22431H	USRB5000-115C	QAPL10A-115S	JA2115	19221115	P2B115-SRB-SRH	SR2-PB2-115NE	XS2P410-31
50 mm	CS2P10-050	-	-	PB224M50H	-	QAPL10A-050S	-	19221050	-	SR2-PB2-50MMNE	XS2P410
2 in.	CS2P10-200	P2B-S2-200R	-	PB22432H	USRB5000-200C	QAPL10A-200S	JA2200	19221200	P2B200-SRB-SRH	SR2-PB2-200NE	XS2P410-32
55 mm	CS2P11-055	-	-	PB224M55H	-	QAPL11A-055S	-	19221055	-	SR2-PB2-55MMNE	XS2P411
2-3/16 in.	CS2P11-203	P2B-S2-203R	P2B203T	PB22435H	USRB5000-203C	QAPL11A-203S	JA2203	19221203	P2B203-SRB-SRH	SR2-PB2-203NE	XS2P411-35
2-1/4 in.	CS2P11-204	-	-	PB22436H	-	QAPL11A-204S	-	19221204	-	-	XS2P411-36
60 mm	CS2P13-060	-	-	PB224M60H	-	QAPL13A-060S	-	19221060	-	SR2-PB2-60MMNE	XS2P412
2-7/16 in.	CS2P13-207	P2B-S2-207R	P2B207T	PB22439H	USRB5000-207C	QAPL13A-207S	JA2207	19221207	P2B207-SRB-SRH	SR2-PB2-207NE	XS2P413-39
2-1/2 in.	CS2P13-208	-	P2B208T	PB22440H	USRB5000-208C	QAPL13A-208S	JA2208	19221208	P2B208-SRB-SRH	SR2-PB2-208NE	XS2P413-40
65 mm	CS2P13-065	-	-	-	-	QAPL13A-065S	-	19221065	-	-	XS2P413
2-11/16 in.	CS2P15-211	P2B-S2-211R	P2B211T	PB22443H	USRB5000-211C	QAPL15A-211S	JA2211	19221211	P2B211-SRB-SRH	SR2-PB2-211NE	XS2P415-43
2-3/4 in.	CS2P15-212	-	-	PB22444H	-	QAPL15A-212S	JA2212	19221212	P2B212-SRB-SRH	SR2-PB2-212NE	XS2P415-44
70 mm	CS2P15-070	-	-	PB224M70H	-	QAPL15A-070S	-	19221070	-	SR2-PB2-70MMNE	XS2P414
2-15/16 in.	CS2P15-215	P2B-S2-215R	P2B215T	PB22447H	USRB5000-215C	QAPL15A-215S	JA2215	19221215	P2B215-SRB-SRH	SR2-PB2-215NE	XS2P415-47
75 mm	CS2P15-075	-	-	PB224M75H	-	QAPL15A-075S	-	19221075	-	SR2-PB2-75MMNE	XS2P415
3 in.	CS2P15-300	P2B-S2-300R	-	PB22448H	USRB5000-300C	QAPL15A-300S	JA2300	19221300	P2B300-SRB-SRH	SR2-PB2-300NE	XS2P415-48
80 mm	CS2P18-080	-	-	PB224M80H	-	QAPL18A-080S	-	19221080	-	SR2-PB2-80MMNE	XS2P416
85 mm	CS2P18-085	-	-	PB224M85H	-	QAPL18A-085S	-	19221085	-	SR2-PB2-85MMNE	XS2P417
3-7/16 in.	CS2P18-307	P2B-S2-307R	P2B307T	PB22455H	USRB5000-307C	QAPL18A-307S	JA2307	19221307	P2B307-SRB-SRH	SR2-PB2-307NE	XS2P418-55
3-1/2 in.	CS2P18-308	-	P2B308T	PB22456H	USRB5000-308C	QAPL18A-308S	JA2308	19221308	P2B308-SRB-SRH	SR2-PB2-308NE	XS2P418-56
90 mm	CS2P18-090	-	-	-	-	QAPL18A-090S	-	19221090	-	SR2-PB2-90MMNE	XS2P418
100 mm	CS2P20-100	-	-	PB224M100H	-	QAPL20A-100S	-	19221100	-	SR2-PB2-100MMNE	XS2P420
3-15/16 in.	CS2P20-315	P2B-S2-315R	P2B315T	PB22463H	USRB5000-315C	QAPL20A-315S	-	-	P2B315-SRB-SRH	SR2-PB2-315NE	XS2P420-63
4 in.	CS2P20-400	-	-	PB22464H	USRB5000-400C	QAPL20A-400S	-	19221400	P2B400-SRB-SRH	SR2-PB2-400NE	XS2P420-64



INTERCHANGE GUIDE
CS4P

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	SealMaster	Timken	Jones	Moline	SKF	PTI	FYH
60 mm	CS4P13-060	-	-	PB224M60F	-	QAPF13A060S	-	19241060	-	SR2-PB4-60MMNE	XS4P412
2-7/16 in.	CS4P13-207	P4B-S2-207R	P4B207T	PB22439F	USRBF5000-207	QAPF13A207S	-	19241207	-	SR2-PB4-207NE	XS4P413-39
2-1/2 in.	CS4P13-208	-	P4B208T	PB22440F	USRBF5000-208	QAPF13A208S	-	19241208	-	SR2-PB4-208NE	XS4P413-40
65 mm	CS4P13-065	-	-	-	-	QAPF13A065S	-	19241065	-	-	XS4P413
2-11/16 in.	CS4P15-211	P4B-S2-211R	P4B211T	PB22443F	USRBF5000-211	QAPF15A211S	-	19241211	-	SR2-PB4-211NE	XS4P415-43
2-3/4 in.	CS4P15-212	-	-	PB22444F	-	QAPF15A212S	-	19241212	-	SR2-PB4-212NE	XS4P415-44
70 mm	CS4P15-070	-	-	PB224M70F	-	QAPF15A070S	-	19241070	-	SR2-PB4-70MMNE	XS4P414
2-15/16 in.	CS4P15-215	P4B-S2-215R	P4B215T	PB22447F	USRBF5000-215	QAPF15A215S	-	19241215	-	SR2-PB4-215NE	XS4P415-47
75 mm	CS4P15-075	-	-	PB224M75F	-	QAPF15A075S	-	19241075	-	SR2-PB4-75MMNE	XS4P415
3 in.	CS4P15-300	P4B-S2-300R	-	PB22448F	USRBF5000-300	QAPF15A300S	-	19241300	-	SR2-PB4-300NE	XS4P415-48
80 mm	CS4P18-080	-	-	PB224M80F	-	QAPF18A080S	-	19241080	-	SR2-PB4-80MMNE	XS4P416
85 mm	CS4P18-085	-	-	PB224M85F	-	QAPF18A085S	-	19241085	-	SR2-PB4-85MMNE	XS4P417
3-7/16 in.	CS4P18-307	P4B-S2-307R	P4B307T	PB22455F	USRBF5000-307	QAPF18A307S	-	19241307	-	SR2-PB4-307NE	XS4P418-55
3-1/2 in.	CS4P18-308	-	P4B308T	PB22456F	USRBF5000-308	QAPF18A308S	-	19241308	-	SR2-PB4-308NE	XS4P418-56
90 mm	CS4P18-090	-	-	-	-	QAPF18A090S	-	19241090	-	SR2-PB4-90MMNE	XS4P418
100 mm	CS4P20-100	-	-	PB224M100F	-	QAPF20A100S	-	19241100	-	SR2-PB4-100MMNE	XS4P420
3-15/16 in.	CS4P20-315	P4B-S2-315R	P4B315T	PB22463F	USRBF5000-315	QAPF20A315S	TE2315F	-	FSYE 3-15/16	SR2-PB4-315NE	XS4P420-63
4 in.	CS4P20-400	-	-	PB22464F	USRBF5000-400	QAPF20A400S	JE2400F	19241400	FSYE 4	SR2-PB4-400NE	XS4P420-64
4-7/16 in.	CS4P22-407	P4B-S2-407R	P4B407T	-	USRBF5000-407	QAPF22A407S	-	19241407	FSYE 4-7/16	SR2-PB4-407NE	-



INTERCHANGE GUIDE
CS2EP

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	SealMaster	Timken	Jones	Moline	SKF	PTI
1-7/16 in.	CS2EP08-107	EP2B-S2-107R	EP2B107T	EPB22423	-	QAP08A-107S	JE2107	29121107	P2BE107-SRB-SRH	SRE-PB2-107NE
1-11/16 in.	CS2EP09-111	EP2B-S2-111R	EP2B111T	EPB22427	-	QAP09A-111S	-	29121111	P2BE111-SRB-SRH	SRE-PB2-111NE
1-15/16 in.	CS2EP10-115	EP2B-S2-115R	EP2B115T	EPB22431	USRBE5000-115	QAP10A-115S	JE2115	29121115	P2BE115-SRB-SRH	SRE-PB2-115NE
2 in.	CS2EP10-200	EP2B-S2-200R	-	EPB22432	USRBE5000-200	QAP10A-200S	JE2200	29121200	P2BE200-SRB-SRH	SRE-PB2-200NE
2-3/16 in.	CS2EP11-203	EP2B-S2-203R	EP2B203T	EPB22435	USRBE5000-203	QAP11A-203S	JE2203	29121203	P2BE203-SRB-SRH	SRE-PB2-203NE
2-7/16 in.	CS2EP13-207	EP2B-S2-207R	EP2B207T	EPB22439	USRBE5000-207	QAP13A-207S	JE2207	29121207	P2BE207-SRB-SRH	SRE-PB2-207NE
2-1/2 in.	CS2EP13-208	-	EP2B208T	EPB22440	USRBE5000-208	QAP13A-208S	JE2208	29121208	P2BE208-SRB-SRH	SRE-PB2-208NE
2-11/16 in.	CS2EP15-211	EP2B-S2-211R	EP2B211T	EPB22443	USRBE5000-211	QAP15A-211S	JE2211	29121211	P2BE211-SRB-SRH	SRE-PB2-211NE
2-3/4 in.	CS2EP15-212	-	-	EPB22444	USRBE5000-212	QAP15A-212S	JE2212	29121212	P2BE212-SRB-SRH	SRE-PB2-212NE
2-15/16 in.	CS2EP15-215	EP2B-S2-215R	EP2B215T	EPB22447	USRBE5000-215	QAP15A-215S	JE2215	29121215	P2BE215-SRB-SRH	SRE-PB2-215NE
3 in.	CS2EP15-300	EP2B-S2-300R	-	EPB22448	USRBE5000-300	QAP15A-300S	JE2300	29121300	P2BE300-SRB-SRH	SRE-PB2-300NE
3-7/16 in.	CS2EP18-307	EP2B-S2-307R	EP2B307T	EPB22455	USRBE5000-307	QAP18A-307S	JE2307	29121307	P2BE307-SRB-SRH	SRE-PB2-307NE
3-1/2 in.	CS2EP18-308	-	EP2B308T	EPB22456	USRBE5000-308	QAP18A-308S	JE2308	29121308	P2BE308-SRB-SRH	SRE-PB2-308NE

INTERCHANGE GUIDE
CS4EP

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	Timken	Jones	SKF	PTI
2-7/16 in.	CS4EP13-207	EP4B-S2-207R	ZEP2207F	EPB22439F	QAPR13A-207S	JE2207F	P4BE207-SRB-SRH	-
2-1/2 in.	CS4EP13-208	-	ZEP2208F	EPB22440F	QAPR13A-208S	JE2208F	P4BE208-SRB-SRH	-
2-11/16 in.	CS4EP15-211	EP4B-S2-211R	ZEP2211F	EPB22443F	QAPR15A-211S	JE2211F	P4BE211-SRB-SRH	SRE-PB4-211
2-3/4 in.	CS4EP15-212	-	ZEP2212F	EPB22444F	QAPR15A-212S	JE2212F	P4BE212-SRB-SRH	SRE-PB4-212
2-15/16 in.	CS4EP15-215	EP4B-S2-215R	ZEP2215F	EPB22447F	QAPR15A-215S	JE2215F	P4BE215-SRB-SRH	SRE-PB4-215
3 in.	CS4EP15-300	EP4B-S2-300R	ZEP2300F	EPB22448F	QAPR15A-300S	JE2300F	P4BE300-SRB-SRH	SRE-PB4-300
3-7/16 in.	CS4EP18-307	EP4B-S2-307R	ZEP2307F	EPB22455F	QAPR18A-307S	JE2307F	P4BE307-SRB-SRH	SRE-PB4-307
3-1/2 in.	CS4EP18-308	-	ZEP2308F	EPB22456F	QAPR18A-308S	JE2308F	P4BE308-SRB-SRH	SRE-PB4-308
3-15/16 in.	CS4EP20-315	EP4B-S2-315R	ZEP2315F	EPB22463F	-	J2315F	P4BE315-SRB-SRH	SRE-PB4-315
4 in.	CS4EP20-400	-	ZEP2400F	EPB22464F	-	JE2400F	P4BE400-SRB-SRH	SRE-PB4-400
4-7/16 in.	CS4EP22-407	EP4B-S2-407R	-	EPB22571YF	-	JE2407F	P4BE407-SRB-SRH	SRE-PB4-407



INTERCHANGE GUIDE
CS4F

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	SealMaster	Timken	Jones	Moline	SKF	PTI	FYH
1-7/16 in.	CS4F08-107	F4S-S2-107R	FB107T	FB22423H	USFB5000-107C	QAFL08A-107S	-	19211107	F4BR107-SRB-SRH	SR2-FB4-107NE	XS4F408-23
1-1/2 in.	CS4F08-108	F4S-S2-108R	-	FB22424H	USFB5000-108C	QAFL08A-108S	-	19211108	F4BR108-SRB-SRH	SR2-FB4-108NE	XS4F408-24
40 mm	CS4F08-040	-	-	FB224M40H	-	QAFL08A-040S	-	19211040	-	-	XS4F408
1-11/16 in.	CS4F09-111	F4S-S2-111R	FB111T	FB22427H	USFB5000-111C	QAFL09A-111S	-	19211111	F4BR111-SRB-SRH	SR2-FB4-111NE	XS4F409-27
1-3/4 in.	CS4F09-112	F4S-S2-112R	-	FB22428H	USFB5000-112C	QAFL09A-112S	-	19211112	F4BR112-SRB-SRH	SR2-FB4-112NE	XS4F409-28
45 mm	CS4F09-045	-	-	-	-	QAFL09A-045S	-	19211045	-	SR2-FB4-45MMNE	XS4F409
1-15/16 in.	CS4F10-115	F4S-S2-115R	FB115T	FB22431H	USFB5000-115C	QAFL10A-115S	-	19211115	F4BR115-SRB-SRH	SR2-FB4-115NE	XS4F410-31
50 mm	CS4F10-050	-	-	FB224M50H	-	QAFL10A-050S	-	19211050	-	SR2-FB4-50MMNE	XS4F410
2 in.	CS4F10-200	F4S-S2-200R	-	FB22432H	USFB5000-200C	QAFL10A-200S	-	19211200	F4BR200-SRB-SRH	SR2-FB4-200NE	XS4F410-32
55 mm	CS4F11-055	-	-	FB224M55H	-	QAFL11A-055S	-	19211055	-	SR2-FB4-55MMNE	XS4F411
2-3/16 in.	CS4F11-203	F4S-S2-203R	FB203T	FB22435H	USFB5000-203C	QAFL11A-203S	-	19211203	F4BR203-SRB-SRH	SR2-FB4-203NE	XS4F411-35
2-1/4 in.	CS4F11-204	-	-	FB22436H	-	QAFL11A-204S	-	19211204	-	-	XS4F411-36
60 mm	CS4F13-060	-	-	FB224M60H	-	QAFL13A-060S	-	19211060	-	SR2-FB4-60MMNE	XS4F412
2-7/16 in.	CS4F13-207	F4S-S2-207R	FB207T	FB22439H	USFB5000-207C	QAFL13A-207S	-	19211207	F4BR207-SRB-SRH	SR2-FB4-207NE	XS4F413-39
2-1/2 in.	CS4F13-208	-	FB208T	FB22440H	USFB5000-208C	QAFL13A-208S	-	19211208	F4BR208-SRB-SRH	SR2-FB4-208NE	XS4F413-40
65 mm	CS4F13-065	-	-	-	-	QAFL13A-065S	-	19211065	-	-	XS4F413
2-11/16 in.	CS4F15-211	F4S-S2-211R	FB211T	FB22443H	USFB5000-211C	QAFL15A-211S	-	19211211	F4BR211-SRB-SRH	SR2-FB4-211NE	XS4F415-43
2-3/4 in.	CS4F15-212	-	-	FB22444H	-	QAFL15A-212S	-	19211212	F4BR212-SRB-SRH	SR2-FB4-212NE	XS4F415-44
70 mm	CS4F15-070	-	-	FB224M70H	-	QAFL15A-070S	-	19211070	-	SR2-FB4-70MMNE	XS4F414
2-15/16 in.	CS4F15-215	F4S-S2-215R	FB215T	FB22447H	USFB5000-215C	QAFL15A-215S	-	19211215	F4BR215-SRB-SRH	SR2-FB4-215NE	XS4F415-47
75 mm	CS4F15-075	-	-	FB224M75H	-	QAFL15A-075S	-	19211075	-	SR2-FB4-75MMNE	XS4F415
3 in.	CS4F15-300	F4S-S2-300R	-	FB22448H	USFB5000-300C	QAFL15A-300S	-	19211300	F4BR300-SRB-SRH	SR2-FB4-300NE	XS4F415-48
80 mm	CS4F18-080	-	-	FB224M80H	-	QAFL18A-080S	-	19211080	-	SR2-FB4-80MMNE	XS4F416
85 mm	CS4F18-085	-	-	FB224M85H	-	QAFL18A-085S	-	19211085	-	SR2-FB4-85MMNE	XS4F417
3-7/16 in.	CS4F18-307	F4S-S2-307R	FB307T	FB22455H	USFB5000-307C	QAFL18A-307S	JYR2307S	19211307	F4BR307-SRB-SRH	SR2-FB4-307NE	XS4F418-55
3-1/2 in.	CS4F18-308	-	FB308T	FB22456H	USFB5000-308C	QAFL18A-308S	JYR2308S	19211308	F4BR308-SRB-SRH	SR2-FB4-308NE	XS4F418-56
90 mm	CS4F18-090	-	-	-	-	QAFL18A-090S	-	19211090	-	SR2-FB4-90MMNE	XS4F418
100 mm	CS4F20-100	-	-	FB224M100H	-	QAFL20A-100S	-	19211100	-	SR2-FB4-100MMNE	XS4F420
3-15/16 in.	CS4F20-315	F4S-S2-315R	FB315T	FB22463H	USFB5000-315C	QAFL20A-315S	JYR2315S	-	F4BR315-SRB-SRH	SR2-FB4-315NE	XS4F420-63
4 in.	CS4F20-400	-	-	FB22464H	USFB5000-400C	QAFL20A-400S	JYR2400S	19211400	F4BR400-SRB-SRH	SR2-FB4-400NE	XS4F420-64



INTERCHANGE GUIDE
CS4FC

Shaft Dia.	COC	Dodge	Rexnord	LinkBelt	SealMaster	Timken	Jones	Moline	SKF	PTI	FYH
1-7/16 in.	CS4FC08-107	FC-S2-107R	FC107T	FCB22423H	USFC5000-107C	QAC08A-107S	JYRP2107	19231107	F4BRP107-SRB-SRH	SR2-FC-107NE	XS4FC408-23
1-1/2 in.	CS4FC08-108	FC-S2-108R	-	FCB22424H	USFC5000-108C	QAC08A-108S	JYRP2108	19231108	F4BRP108-SRB-SRH	SR2-FC-108NE	XS4FC408-24
40 mm	CS4FC08-040	-	-	FCB224M40H	-	QAC08A-040S	-	19231040	-	-	XS4FC408
1-11/16 in.	CS4FC09-111	FC-S2-111R	FC111T	FCB22427H	USFC5000-111C	QAC09A-111S	JYRP2111	19231111	F4BRP111-SRB-SRH	SR2-FC-111NE	XS4FC409-27
1-3/4 in.	CS4FC09-112	FC-S2-112R	-	FCB22428H	USFC5000-112C	QAC09A-112S	JYRP2112	19231112	F4BRP112-SRB-SRH	SR2-FC-112NE	XS4FC409-28
45 mm	CS4FC09-045	-	-	-	-	QAC09A-045S	-	19231045	-	SR2-FC-45MMNE	XS4FC409
1-15/16 in.	CS4FC10-115	FC-S2-115R	FC115T	FCB22431H	USFC5000-115C	QAC10A-115S	JYRP2115	19231115	F4BRP115-SRB-SRH	SR2-FC-115NE	XS4FC410-31
50 mm	CS4FC10-050	-	-	FCB224M50H	-	QAC10A-050S	-	19231050	-	SR2-FC-50MMNE	XS4FC410
2 in.	CS4FC10-200	FC-S2-200R	-	FCB22432H	USFC5000-200C	QAC10A-200S	JYRP2200	19231200	F4BRP200-SRB-SRH	SR2-FC-200NE	XS4FC410-32
55 mm	CS4FC11-055	-	-	FCB224M55H	-	QAC11A-055S	-	19231055	-	SR2-FC-55MMNE	XS4FC411
2-3/16 in.	CS4FC11-203	FC-S2-203R	FC203T	FCB22435H	USFC5000-203C	QAC11A-203S	JYRP2203	19231203	F4BRP203-SRB-SRH	SR2-FC-203NE	XS4FC411-35
2-1/4 in.	CS4FC11-204	-	-	FCB22436H	-	QAC11A-204S	-	19231204	-	-	XS4FC411-36
60 mm	CS4FC13-060	-	-	FCB224M60H	-	QAC13A-060S	-	19231060	-	SR2-FC-60MMNE	XS4FC412
2-7/16 in.	CS4FC13-207	FC-S2-207R	FC207T	FCB22439H	USFC5000-207C	QAC13A-207S	JYRP2207	19231207	F4BRP207-SRB-SRH	SR2-FC-207NE	XS4FC413-39
2-1/2 in.	CS4FC13-208	-	FC208T	FCB22440H	USFC5000-208C	QAC13A-208S	JYRP2208	19231208	F4BRP208-SRB-SRH	SR2-FC-208NE	XS4FC413-40
65 mm	CS4FC13-065	-	-	-	-	QAC13A-065S	-	19231065	-	-	XS4FC413
2-11/16 in.	CS4FC15-211	FC-S2-211R	FC211T	FCB22443H	USFC5000-211C	QAC15A-211S	JYRP2211	19231211	F4BRP211-SRB-SRH	SR2-FC-211NE	XS4FC415-43
2-3/4 in.	CS4FC15-212	-	-	FCB22444H	-	QAC15A-212S	JYRP2212	19231212	F4BRP212-SRB-SRH	SR2-FC-212NE	XS4FC415-44
70 mm	CS4FC15-070	-	-	FCB224M70H	-	QAC15A-070S	-	19231070	-	SR2-FC-70MMNE	XS4FC414
2-15/16 in.	CS4FC15-215	FC-S2-215R	FC215T	FCB22447H	USFC5000-215C	QAC15A-215S	JYRP2215	19231215	F4BRP215-SRB-SRH	SR2-FC-215NE	XS4FC415-47
75 mm	CS4FC15-075	-	-	FCB224M75H	-	QAC15A-075S	-	19231075	-	SR2-FC-75MMNE	XS4FC415
3 in.	CS4FC15-300	FC-S2-300R	-	FCB22448H	USFC5000-300C	QAC15A-300S	JYRP2300	19231300	F4BRP300-SRB-SRH	SR2-FC-300NE	XS4FC415-48
80 mm	CS4FC18-080	-	-	FCB224M80H	-	QAC18A-080S	-	19231080	-	SR2-FC-80MMNE	XS4FC416
85 mm	CS4FC18-085	-	-	FCB224M85H	-	QAC18A-085S	-	19231085	-	SR2-FC-85MMNE	XS4FC417
3-7/16 in.	CS4FC18-307	FC-S2-307R	FC307T	FCB22455H	USFC5000-307C	QAC18A-307S	JYRP2307	19231307	F4BRP307-SRB-SRH	SR2-FC-307NE	XS4FC418-55
3-1/2 in.	CS4FC18-308	-	FC308T	FCB22456H	USFC5000-308C	QAC18A-308S	JYRP2308	19231308	F4BRP308-SRB-SRH	SR2-FC-308NE	XS4FC418-56
90 mm	CS4FC18-090	-	-	-	-	QAC18A-090S	-	19231090	-	SR2-FC-90MMNE	XS4FC418
100 mm	CS4FC20-100	-	-	FCB224M100H	-	QAC20A-100S	-	19231100	-	SR2-FC-100MMNE	XS4FC420
3-15/16 in.	CS4FC20-315	FC-S2-315R	FC315T	FCB22463H	USFC5000-315C	QAC20A-315S	JYRP2315	-	F4BRP315-SRB-SRH	SR2-FC-315NE	XS4FC420-63
4 in.	CS4FC20-400	-	-	FCB22464H	USFC5000-400C	QAC20A-400S	JYRP2400	19231400	F4BRP400-SRB-SRH	SR2-FC-400NE	XS4FC420-64

