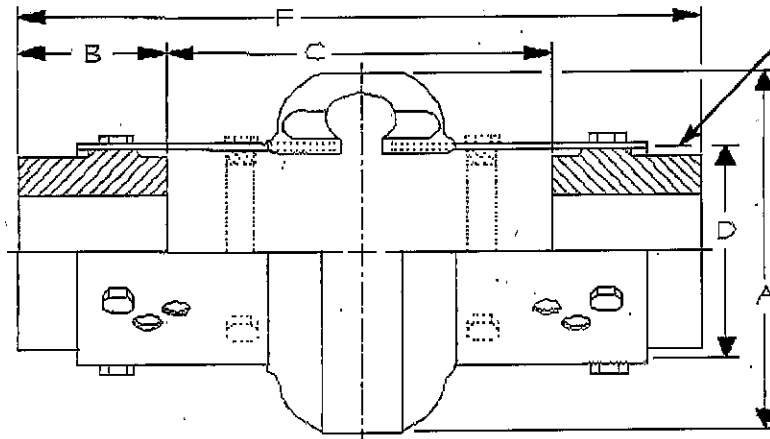


OMEGA® SPACER COUPLING WITH STRAIGHT BORE HUBS



Specification Data With Straight Bore Hubs

Spacer Omega No. ①	Recom. Max Bore (in.)	HP/100 RPM ②	Continuous Torque (In. Lbs.) ③	Max. RPM ④	Dimensions In Inches							Weight (Lb.) ⑤
					A	B	C		D	F		
							Min. ⑥	Max.		Min. ⑥	Max.	
ES2-R	1.13	.30	190	7500	3.50	.94	3.50	4.00	1.85	5.75	5.92	2.3
ES3-R	1.38	.58	365	7500	4.00	1.50	3.50	5.00	2.32	7.25	8.00	4.0
ES4-R	1.63	.88	550	7500	4.56	1.69	3.50	5.00	2.60	7.25	8.38	5.1
ES5-R	1.88	1.48	925	7500	5.38	1.75	3.50	5.00	3.13	7.25	8.50	7.5
ES10-R	2.73	2.30	1450	7500	6.38	1.88	3.50	5.00	3.65	7.25	8.75	10.3
ES20	2.38	3.65	2300	4800	7.25	2.06	2.55	7.00	4.48	9.38	11.12	15.6
ES30	2.88	5.79	3650	4200	8.25	2.31	2.05	7.00	5.42	9.38	11.62	25.1
ES40	3.38	8.85	5500	3600	9.50	2.50	1.67	7.00	6.63	9.38	12.00	40
ES50	3.63	12.14	7650	3100	11.00	2.75	1.17	7.00	8.13	9.38	12.50	60
ES60	4.00	19.84	12,500	2600	12.50	3.25	2.67	9.75	8.75	12.50	16.25	84
ES70	4.50	35.12	22,125	2600	14.00	3.62	1.99	9.75	9.25	12.50	17.00	102
ES80	6.00	62.70	39,500	1600	16.00	4.87	2.18	9.75	11.25	12.50	19.50	180

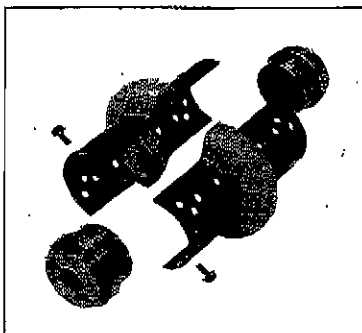
- ① Suffix "R" designates high speed ring design. Rings are furnished as standard for sizes ES2-R to ES10-R, optional on sizes ES20 to ES80.
- ② Service factor = 1.0
- ③ Spacer couplings furnished with optional high speed rings (sizes ES20 to ES80) can be operated up to the maximum speeds for standard series couplings. See RPM ratings on page E-4.
- ④ Minimum shaft spacing is 0.25 inch. See page E-8 for additional information.
- ⑤ Overall length of element.
- ⑥ With max bore standard hubs.

Adjustable Spacer Design

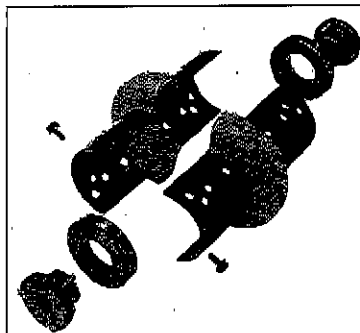
Optional hole mounting positions and reversible hub features allow adjustment to accommodate most shaft spacing requirements (see Page E-8).

Universal Hubs

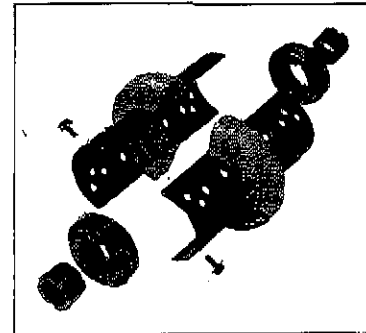
Straight bore and compression bushed hub designs are identical and interchangeable for both the spacer and standard couplings. This means maximum utilization of off the shelf inventory.



Straight Bore Hubs



QD Hubs and Bushings



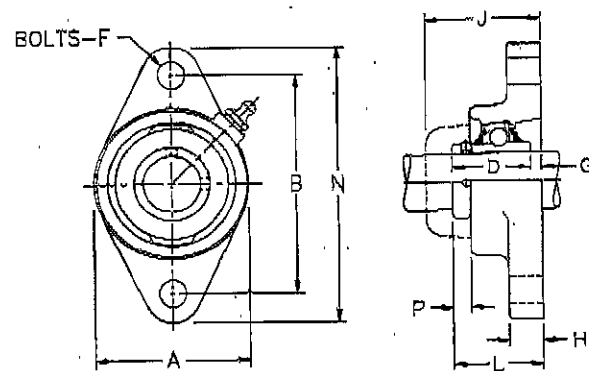
TAPER-LOCK® Hubs and Bushings

Note: Dimensions subject to change. Certified drawings of ordered material furnished on request.

Standard Duty Ball Bearing Flanged Units

FX3-U200N

Cast Iron Housing
2-bolt Mounting
Alignable
Spring Loading
Relubricatable
Wide Inner Ring
Available in Nickel Plate □



Dimensions (inches/mm)

Shaft Diameter		Flanged unit number	A	B	D	F Bolts	G	H	J	L	N	P	Unit wt. (lbs./kg)	Bearing no.
mm	inches	Lip seals												
17	1/2	FX3-U2B08N	2 1/4	3	1 3/8	4	5/16	1/2	1 1/4	3 1/8	1 1/4	1/4	1.0	UG2B08NL
	5/8	FX3-U210N											.9	UG210NL
	1 1/8	FX3-U211N											.9	UG211NL
		FX3-U2M17N											0.5	UG2M17NL
20	3/4	FX3-U212N	2 7/16	3 1/8	1 3/8	4	5/16	9/16	2 1/8	3 1/8	4 1/8	3/8	1.2	UG212NL
		FX3-U2M20N	61.9	89.69	32.54	10	5.2	14.3	51.2	37.7	111.9	7.1	0.6	UG2M20NL
25	7/8	FX3-U214NΔ	2 1/16	3 7/8	1 3/4	4	5/16	1 1/8	2	1 3/8	4 3/8	1 1/4	1.6	UG214NL
	1 1/8	FX3-U215NΔ											1.6	UG215NL
	1 1/4	FX3-U216NΔ											1.5	UG216NL
		FX3-U2M25N											0.7	UG2M25NL
30	1 1/8	FX3-U218N	3 3/8	4 1/8	1 7/8	4	5/16	1 1/4	1 3/8	5 1/8	5 1/8	2 7/8	2.5	UG218NL
	1 3/8	FX3-U219N											2.4	UG219NL
	1 1/2	FX3-U2E20N											2.4	UG2E20NL
		FX3-U2M30N											1.0	UG2M30NL
35	1 1/4	FX3-U220NΔ	3 3/8	5 1/8	1 7/8	4	5/16	1 1/4	2 1/8	1 3/8	6 1/8	2 3/8	3.1	UG220NL
	1 3/8	FX3-U222NΔ											3.0	UG222NL
	1 1/2	FX3-U223NΔ											3.0	UG223NL
		FX3-U2M35N											1.4	UG2M35NL
40	1 1/2	FX3-U224NΔ	4	5 3/8	1 7/8	4	5/16	1 1/4	2 3/8	2 3/8	6 3/8	1 1/2	4.2	UG224NL
		FX3-U2M40N	101.6	143.67	48.42	12	4.4	15.9	64.7	52.8	172.2	12.7	1.9	UG2M40NL
45	1 3/8	FX3-U226NΔ	4 1/4	5 7/8	2 1/8	4	5/16	1 1/4	2 3/8	2 3/8	7 3/8	2 3/8	5.1	UG226NL
	1 1/2	FX3-U227NΔ											5.1	UG227NL
	1 3/4	FX3-U228NΔ											5.0	UG228NL
		FX3-U2M45N											2.2	UG2M45NL
50	1 3/8	FX3-U231NΔ	4 7/8	6 1/8	2 3/8	4	5/16	1 1/4	2 7/8	2 3/8	7 1/8	2 3/8	6.3	UG231NL
	2	FX3-U2E32NΔ											6.2	UG2E32NL
		FX3-U2M50N											2.8	UG2M50NL
		FX3-U232NΔ											7.4	UG232NL
55	2 3/8	FX3-U235NΔ	5	7 1/4	2 1/4	4	5/16	1 3/8	3 1/4	2 7/8	8 1/8	2 3/8	7.3	UG235NL
		FX3-U2M55N	127.0	184.15	57.15	16	10.3	20.6	82.6	67.6	215.9	16.7	3.3	UG2M55NL

Bold face items are normally available from stock; please consult for availability of non-stock items.

Lubrication fitting tap size: for 1 1/8" (17 mm) and smaller shafts, 1/4"-28 UNF; for all other shafts, 1/2" PT.

■ N lip seals standard. H labyrinth seals available.

□ Nickel plated housings available through size 235; add suffix K75, i.e. FX3-U2B08NK75.

Δ Available with E3 triple lip seals.

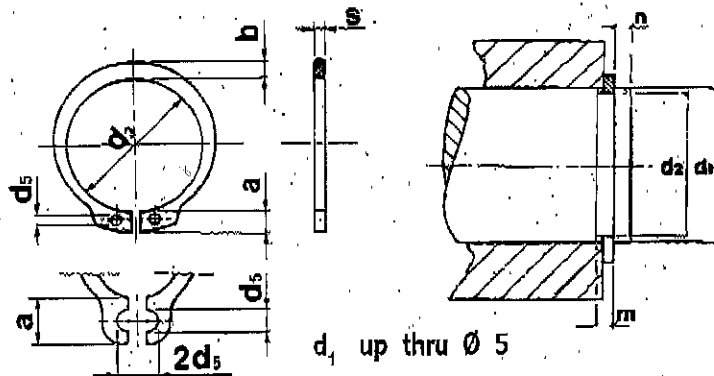
◆ Width dimension for closed end unit.

Selection guide, pages B-9, B-10.

Load ratings, pages B-11, B-12.

Additional information, page B-75.

EXTERNAL RETAINING RINGS (A) DIN 471



d₁ up thru Ø 27 = C60-DIN 17222
d₁ Ø 28 and above = C75 DIN 17222
d₁ up thru Ø 48 = 47- 54 HRC hardness
d₁ Ø 50 and above = 44 - 51 HRC hardness

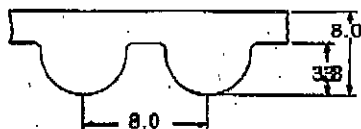
d ₁	S h11	d ₃	a max.	b	d ₅ min.	d ₂	Groove Width min.	Weight kg/1000
A3	0.40	2.7	2.0	1.6	1	2.8	0.80	0.017
A4	0.40	3.7	2.2	0.9	1	3.8	0.50	0.036
A5	0.60	4.7	2.5	1.1	1	4.8	0.70	0.081
A6	0.70	5.6	2.7	1.3	1.2	5.7	0.80	0.124
A7	0.80	6.6	3.1	1.4	1.2	6.7	0.90	0.198
A8	0.80	7.4	3.2	1.5	1.2	7.6	0.90	0.227
A9	1.00	8.4	3.3	1.7	1.2	8.6	1.10	0.382
A10	1.00	9.3	3.3	1.8	1.5	9.6	1.10	0.416
A11	1.00	10.2	3.3	1.8	1.5	10.6	1.10	0.466
A12	1.00	11.0	3.3	1.8	1.7	11.6	1.10	0.487
A13	1.00	11.9	3.4	2.0	1.7	12.4	1.10	0.587
A14	1.00	12.9	3.5	2.1	1.7	13.4	1.10	0.665
A15	1.00	13.8	3.6	2.2	1.7	14.3	1.10	0.746
A16	1.00	14.7	3.7	2.2	1.7	15.2	1.10	0.794
A17	1.00	15.7	3.8	2.3	1.7	16.2	1.10	0.901
A18	1.20	16.5	3.9	2.4	2	17.0	1.30	1.19
A19	1.20	17.5	3.9	2.5	2	18.0	1.30	1.27
A20	1.20	18.5	4.0	2.6	2	19.0	1.30	1.36
A21	1.20	19.5	4.1	2.7	2	20.0	1.30	1.47
A22	1.20	20.5	4.2	2.8	2	21.0	1.30	1.62
A23	1.20	21.5	4.3	2.9	2	22.0	1.30	1.77
A24	1.20	22.2	4.4	3.0	2	22.9	1.30	1.87
A25	1.20	23.2	4.4	3.0	2	23.9	1.30	1.92
A26	1.20	24.2	4.5	3.1	2	24.9	1.30	2.11
A27	1.20	24.9	4.6	3.1	2	25.6	1.30	2.19
A28	1.50	25.9	4.7	3.2	2	26.6	1.60	2.88
A29	1.50	26.9	4.8	3.4	2	27.6	1.60	3.11
A30	1.50	27.9	5.0	3.5	2	28.6	1.60	3.39
A31	1.50	28.6	5.0	3.5	2.5	29.3	1.60	3.42
A32	1.50	29.6	5.2	3.6	2.5	30.3	1.60	3.65
A33	1.50	30.6	5.2	3.7	2.5	31.3	1.60	4.01
A34	1.50	31.5	5.4	3.8	2.5	32.3	1.60	4.14
A35	1.50	32.2	5.6	3.9	2.5	33.0	1.60	4.34
A36	1.75	33.2	5.6	4.0	2.5	34.0	1.85	4.80
A37	1.75	34.2	5.7	4.1	2.5	35.0	1.85	5.50
A38	1.75	35.2	5.8	4.2	2.5	36.0	1.85	5.82
A39	1.75	36.0	5.9	4.3	2.5	37.0	1.85	6.10
A40	1.75	36.5	6.0	4.4	2.5	37.6	1.85	6.30
A41	1.75	37.5	6.2	4.5	2.5	38.5	1.85	6.45
A42	1.75	38.5	6.5	4.5	2.5	39.5	1.85	6.65
A44	1.75	40.5	6.6	4.6	2.5	41.5	1.85	7.20

d ₁	S h11	d ₃	a max.	b	d ₅ min.	d ₂	Groove Width min.	Weight kg/1000
A45	1.75	41.5	6.7	4.7	2.5	42.5	1.85	7.50
A46	1.75	42.5	6.7	4.8	2.5	43.5	1.85	7.65
A47	1.75	43.5	6.8	4.9	2.5	44.6	1.85	7.80
A48	1.75	44.5	6.9	5.0	2.5	45.5	1.85	7.90
A50	2.00	45.8	6.9	5.1	2.5	47.0	2.15	10.20
A52	2.00	47.8	7.0	5.2	2.5	49.5	2.15	11.10
A54	2.00	49.8	7.1	5.3	2.5	51.0	2.15	11.20
A55	2.00	50.8	7.2	5.4	2.5	52.0	2.15	11.50
A66	2.00	61.8	7.3	5.5	2.5	63.0	2.15	11.80
A57	2.00	62.8	7.3	5.5	2.5	64.0	2.15	12.25
A58	2.00	63.8	7.3	5.6	2.5	65.0	2.15	12.60
A60	2.00	65.8	7.4	5.8	2.5	67.0	2.15	12.90
A62	2.00	67.8	7.5	6.0	2.5	69.0	2.15	14.30
A63	2.00	68.8	7.6	6.2	2.5	70.0	2.15	15.90
A65	2.50	69.8	7.8	6.3	3	72.0	2.65	18.20
A67	2.50	72.5	7.9	6.4	3	74.0	2.65	20.30
A68	2.50	73.5	8.0	6.5	3	75.0	2.65	21.60
A70	2.50	75.5	8.1	6.6	3	77.0	2.65	22.10
A72	2.50	77.5	8.2	6.8	3	79.0	2.65	22.50
A75	2.50	79.5	8.4	7.0	3	81.0	2.65	24.60
A77	2.50	81.5	8.5	7.2	3	83.0	2.65	25.30
A78	2.50	82.5	8.6	7.3	3	84.0	2.65	26.20
A80	2.50	84.5	8.8	7.4	3	86.0	2.65	27.30
A82	2.50	86.5	8.7	7.6	3	88.0	2.65	31.20
A85	3.00	89.5	8.7	7.8	3.5	91.0	3.15	36.40
A87	3.00	91.5	8.8	7.9	3.5	93.0	3.15	39.70
A88	3.00	92.5	8.8	8.0	3.5	94.0	3.15	41.20
A90	3.00	94.5	8.8	8.2	3.5	96.0	3.15	44.60
A92	3.00	96.5	9.0	8.4	3.5	98.0	3.15	47.10
A96	3.00	99.5	9.4	8.6	3.5	101.0	3.15	49.00
A97	3.00	101.5	9.4	8.8	3.5	103.0	3.15	51.30
A98	3.00	102.5	9.5	9.0	3.5	104.0	3.15	52.10
A100	3.00	104.5	9.6	9.0	3.5	106.0	3.15	53.70
A102	4.00	106.0	9.7	9.2	3.5	108.0	4.15	78.70
A105	4.00	108.0	9.9	9.3	3.5	110.0	4.15	80.0
A107	4.00	110.0	10.0	9.5	3.5	112.0	4.15	81.2
A108	4.00	111.0	10.0	9.5	3.5	113.0	4.15	81.9
A110	4.00	113.0	10.1	9.6	3.5	115.0	4.15	82.5
A112	4.00	115.0	10.3	9.7	3.5	117.0	4.15	83.4
A115	4.00	118.0	10.6	9.8	3.5	120.0	4.15	84.7
A117	4.00	120.0	10.8	10.0	3.5	122.0	4.15	85.2

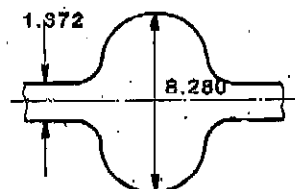
ISO/ DIN No.	C	Si	Mn	P	S	Cr	Mo	Ni
Heat-treatable Steel	%	%	%	≤%	≤%	%	%	%
C60 (Nr.1.0601)	0.57-0.65	≤0.40	0.60-0.90	0.045	0.045	≤0.40	≤0.10	≤0.40
C75 (Nr.1.0603)	0.70-0.80	0.15-0.35	0.60-0.80	0.045	0.045	≤0.40	≤0.10	≤0.40

Ametric® American Metric® Corporation

1-062-71021



HTD® SYNCHRONOUS BELTS



8 mm Pitch

Belt Length	Belt Length Double Pitch	No. Teeth
320-8M		40
376-8M		47
424-8M		53
480-8M		60
512-8M		64
536-8M		67
560-8M		70
576-8M		72
600-8M		75
608-8M		76
624-8M		78
632-8M		79
640-8M		80
656-8M		82
720-8M	D720 8M	90
760-8M		95
776-8M		97
784-8M		98
800-8M	D800 8M	100
840-8M	D840 8M	105
880-8M	D880 8M	110
912-8M		114
920-8M	D920 8M	115
960-8M	D960 8M	120
976-8M		122
1000-8M		125
1040-8M	D1040 8M	130
1064-8M		133
1080-8M		135
1120-8M	D1120 8M	140
1128-8M		141
1152-8M	D1152 8M	144
1160-8M		145
1200-8M	D1200 8M	150
1216-8M		152
1224-8M	D1224 8M	153
1256-8M		157
1264-8M		158
1280-8M	D1280 8M	160
1304-8M		163
1328-8M		166
1360-8M		170
1424-8M		178
1432-8M		179
1440-8M	D1440 8M	180
1520-8M		190
1600-8M	D1600 8M	200
1696-8M		212
1760-8M	D1760 8M	220
1800-8M	D1800 8M	225
2000-8M	D2000 8M	250
2080-8M		260
2240-8M		280
2248-8M		281
2272-8M		284
2400-8M	D2400 8M	300

Belt Length	Belt Length Double Pitch	No. Teeth
2600-8M	D2600 8M	325
2800-8M	D2800 8M	350
4400-8M	D4400 8M	550

Standard Belt Width (mm) 20 30 50 85

Ordering Example:

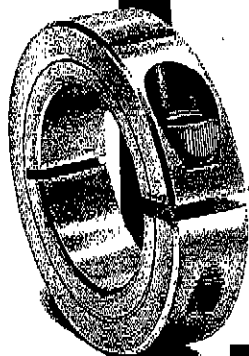
3768M20

376 — Length (mm)
8M — Pitch
20 — Width (mm)

D4808M20

D — Double Pitch
480 — Length (mm)
8M — Pitch
20 — Width (mm)

ONE-PIECE CLAMPING COLLARS



CLIMAX

METAL PRODUCTS COMPANY

ONE-PIECE CLAMPING COLLARS - 1C-SERIES

Design fully engages the shaft without marring
Greater axial holding power than set screw collars
Effective on hard and soft shafts

Black Oxide Steel	T303 Stainless Steel	Aluminum	Bore Size	OD	Width	Clamp Screw	Box Qty	Weight* (Ounce)
1C-012	1C-012-S	1C-012-A	1/8	11/16	5/16	4-40	20	0.44
1C-018	1C-018-S	1C-018-A	3/16	11/16	5/16	4-40	20	0.43
1C-025	1C-025-S	1C-025-A	1/4	11/16	5/16	4-40	20	0.40
1C-031	1C-031-S	1C-031-A	5/16	11/16	5/16	4-40	20	0.36
1C-037	1C-037-S	1C-037-A	3/8	7/8	3/8	6-32	20	0.70
1C-043	1C-043-S	1C-043-A	7/16	15/16	3/8	6-32	20	0.81
1C-050	1C-050-S	1C-050-A	1/2	1 1/8	13/32	8-32	20	1.30
1C-056	1C-056-S	1C-056-A	9/16	1 5/16	7/16	10-32	20	2.00
1C-062	1C-062-S	1C-062-A	5/8	1 5/16	7/16	10-32	20	1.80
1C-068	1C-068-S	1C-068-A	11/16	1 1/2	1/2	10-32	20	2.90
1C-075	1C-075-S	1C-075-A	3/4	1 1/2	1/2	1/4-28	20	2.70
1C-081	1C-081-S	1C-081-A	13/16	1 5/8	1/2	1/4-28	20	3.20
1C-087	1C-087-S	1C-087-A	7/8	1 5/8	1/2	1/4-28	20	2.98
1C-093	1C-093-S	1C-093-A	15/16	1 3/4	1/2	1/4-28	20	3.51
1C-100	1C-100-S	1C-100-A	1	1 3/4	1/2	1/4-28	20	3.30
1C-106	1C-106-S	1C-106-A	1 1/16	1 7/8	1/2	1/4-28	10	3.90
1C-112	1C-112-S	1C-112-A	1 1/8	1 7/8	1/2	1/4-28	10	3.63
1C-118	1C-118-S	1C-118-A	1 3/16	2 1/16	1/2	1/4-28	10	4.70
1C-125	1C-125-S	1C-125-A	1 1/4	2 1/16	1/2	1/4-28	10	4.40
1C-131	1C-131-S	1C-131-A	1 5/16	2 1/4	9/16	1/4-28	10	6.19
1C-137	1C-137-S	1C-137-A	1 3/8	2 1/4	9/16	1/4-28	10	5.90
1C-143	1C-143-S	1C-143-A	1 7/16	2 1/4	9/16	1/4-28	10	5.50
1C-150	1C-150-S	1C-150-A	1 1/2	2 3/8	9/16	1/4-28	10	6.30
1C-156	1C-156-S	1C-156-A	1 9/16	2 3/8	9/16	1/4-28	10	5.90
1C-162	1C-162-S	1C-162-A	1 5/8	2 5/8	11/16	5/16-24	5	9.65
1C-168	1C-168-S	1C-168-A	1 11/16	2 3/4	11/16	5/16-24	5	10.70
1C-175	1C-175-S	1C-175-A	1 3/4	2 3/4	11/16	5/16-24	5	10.20
1C-187	1C-187-S	1C-187-A	1 7/8	2 7/8	11/16	5/16-24	5	10.90
1C-193	1C-193-S	1C-193-A	1 15/16	3	11/16	5/16-24	5	12.00
1C-200	1C-200-S	1C-200-A	2	3	11/16	5/16-24	5	11.60
1C-212			2 1/8	3 1/4	3/4	5/16-24	5	15.20
1C-218			2 3/16	3 1/4	3/4	5/16-24	5	14.40
1C-225			2 1/4	3 1/4	3/4	5/16-24	5	13.68
1C-237			2 3/8	3 1/2	3/4	5/16-24	5	16.50
1C-243			2 7/16	3 1/2	3/4	5/16-24	5	15.60
1C-250			2 1/2	3 3/4	7/8	3/8-24	5	23.10
1C-262			2 5/8	3 7/8	7/8	3/8-24	5	23.90
1C-268			2 11/16	4	7/8	3/8-24	5	25.80
1C-275			2 3/4	4	7/8	3/8-24	5	29.20
1C-287			2 7/8	4 1/4	7/8	3/8-24	5	29.20
1C-293			2 15/16	4 1/4	7/8	3/8-24	5	28.00
1C-300			3	4 1/4	7/8	3/8-24	5	26.80
H1C-318			3 3/16	4 1/2	7/8	3/8-24	5	28.30
H1C-325			3 1/4	4 1/2	7/8	3/8-24	5	27.30
H1C-343			3 7/16	4 3/4	7/8	3/8-24	5	31.00
H1C-350			3 1/2	4 3/4	7/8	3/8-24	5	29.10
H1C-393			3 15/16	5 1/4	7/8	3/8-24	5	35.00
H1C-400			4	5 1/4	7/8	3/8-24	5	33.00

DIMENSION	TOLERANCE
Bore, Inch	+.003/-000

* Weights are approximate
1C-Series Bore sizes 1 9/16" through 3" do not have a relief cut

For custom
sizes, shapes
or materials,
please
contact us.

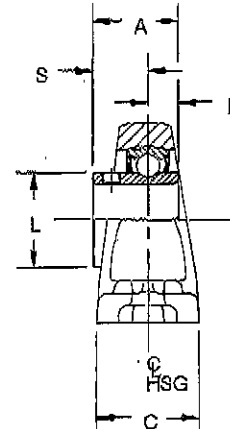
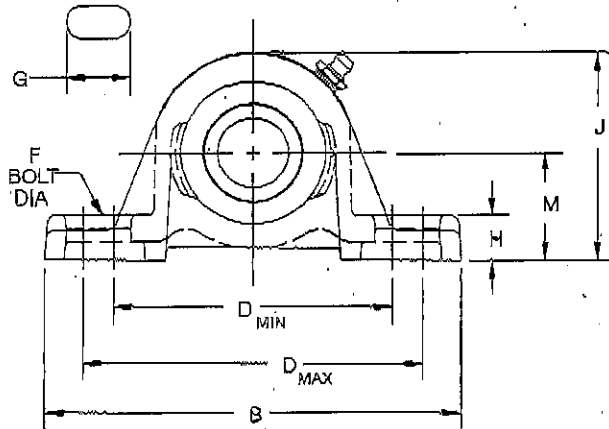
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SELECTION/DIMENSIONS



Setscrew Ball Bearings

SC AND SCU NORMAL DUTY PILLOW BLOCKS



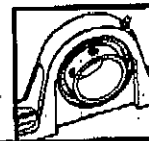
Series	Shaft Size	Relube		No-Lube/Sealed for Life (-NL)		With Filingers	
		Part Number	Description	Part Number	Description	Part Number	Description
203	1/2	123930	P2B-SC-008	@	P2B-SC-008-NL	@	P2B-SC-008-FF
	5/8	123931	P2B-SC-010	126500	P2B-SC-010-NL	124575	P2B-SC-010-FF
	17mm	059170	P2B-SC-17M	@	P2B-SC-17M-NL	@	P2B-SC-17M-FF
203 (SCU)	1/2	123753	P2B-SCU-008	@	P2B-SCU-008-NL	@	P2B-SCU-008-FF
	5/8	123754	P2B-SCU-010	@	P2B-SCU-010-NL	@	P2B-SCU-010-FF
	17MM	125950	P2B-SCU-17M	@	P2B-SCU-17M-NL	@	P2B-SCU-17M-FF
204	1/2	123935	P2B-SC-008L	052101	P2B-SC-008L-NL	@	P2B-SC-008L-FF
	5/8	123936	P2B-SC-010L	@	P2B-SC-010L-NL	@	P2B-SC-010L-FF
	3/4	123903	P2B-SC-012	052012	P2B-SC-012-NL	058256	P2B-SC-012-FF
	20mm	125951	P2B-SC-20M	@	P2B-SC-20M-NL	@	P2B-SC-20M-FF
205	7/8	123904	P2B-SC-014	126502	P2B-SC-014-NL	@	P2B-SC-014-FF
	15/16	123905	P2B-SC-015	126503	P2B-SC-015-NL	124029	P2B-SC-015-FF
	1	123906	P2B-SC-100	123824	P2B-SC-100-NL	123779	P2B-SC-100-FF
	25mm	125952	P2B-SC-25M	@	P2B-SC-25M-NL	@	P2B-SC-25M-FF
206	1-1/16	123907	P2B-SC-101	126504	P2B-SC-101-NL	@	P2B-SC-101-FF
	1-1/8	123908	P2B-SC-102	126505	P2B-SC-102-NL	125983	P2B-SC-102-FF
	1-3/16	123909	P2B-SC-103	123828	P2B-SC-103-NL	050270	P2B-SC-103-FF
	1-1/4	123170	P2B-SC-104S	@	P2B-SC-104S-NL	@	P2B-SC-104S-FF
	30mm	125953	P2B-SC-30M	@	P2B-SC-30M-NL	@	P2B-SC-30M-FF
206 (SCU)	1-1/16	123977	P2B-SCU-101	@	P2B-SCU-101-NL	@	P2B-SCU-101-FF
	1-1/8	123978	P2B-SCU-102	@	P2B-SCU-102-NL	@	P2B-SCU-102-FF
	1-3/16	123979	P2B-SCU-103	050837	P2B-SCU-103-NL	@	P2B-SCU-103-FF
	1-1/4	123994	P2B-SCU-104S	@	P2B-SCU-104S-NL	@	P2B-SCU-104S-FF
	30mm	125954	P2B-SCU-30M	@	P2B-SCU-30M-NL	@	P2B-SCU-30M-FF
207	1-1/4	123910	P2B-SC-104	@	P2B-SC-104-NL	123987	P2B-SC-104-FF
	1-5/16	123911	P2B-SC-105	@	P2B-SC-105-NL	@	P2B-SC-105-FF
	1-3/8	123912	P2B-SC-106	123781	P2B-SC-106-NL	054595	P2B-SC-106-FF
	1-7/16	123913	P2B-SC-107	123792	P2B-SC-107-NL	051571	P2B-SC-107-FF
	35mm	125955	P2B-SC-35M	@	P2B-SC-35M-NL	@	P2B-SC-35M-FF

@ Assembled to order.

FEATURE/BENEFITS SETSCREW BALL BEARINGS PAGE B2-2	HOW TO ORDER/ NOMENCLATURE PAGE B2-4	SELECTION PAGE B2-5	
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SELECTION/DIMENSIONS

DODGE®



Setscrew Ball Bearings

SC AND SCU NORMAL DUTY PILLOW BLOCKS

Series	Shaft Size	Weight lbs. kgs.	A	B	C	D		F Bolt Dia.
						Min.	Max.	
203	1/2	1.1	1	5	1-7/32	3-1/4	4-1/16	3/8
	5/8	1.0				32.6	103.2	M10
	17mm	0.4	25.4	127.0	31.0			
203 (SCU)	1/2	1.2	1	5	1-7/32	3-1/4	4-1/16	3/8
	5/8	1.0				32.6	103.2	M10
	17MM	0.4	25.4	127.0	31.0			
204	1/2	1.6	1-5/32	5-1/4	1-11/32	3-3/8	4-3/16	3/8
	5/8	1.5						
	3/4	1.4						
204	20mm	0.7	29.4	133.4	34.1	35.7	106.4	M10
205	7/8	1.8	1-9/16	5-1/2	1-19/32	4-1/4	4-1/2	3/8
	15/16	1.7						
	1	1.6						
205	25mm	0.7	30.2	139.7	35.7	108.0	114.3	M10
206	1-1/16	2.8	1-25/64	6-1/4	1-3/4	4-1/4	5	1/2
	1-1/8	2.7						
	1-3/16	2.6						
206	1-1/4	2.5						
	30mm	1.1	35.3	158.8	44.5	108.0	127.0	M12
206 (SCU)	1-1/16	2.9	1-25/64	6-1/4	1-3/4	4-1/4	5	1/2
	1-1/8	2.8						
	1-3/16	2.7						
206 (SCU)	1-1/4	2.6						
	30mm	1.1	35.3	158.8	44.5	108.0	127.0	M12
207	1-1/4	4.5	1-17/32	6-1/2	1-3/4	4-11/16	5-7/16	1/2
	1-5/16	4.4						
	1-3/8	4.3						
207	1-7/16	4.2						
	38mm	1.5	38.9	165.1	44.5	119.1	158.1	M12

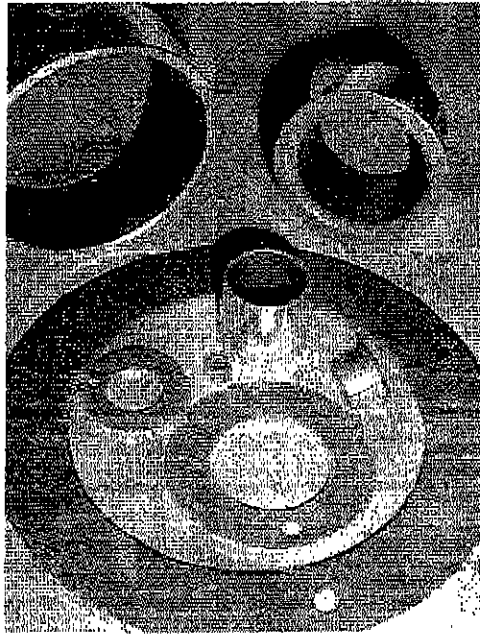
Series	Shaft Size	G	H	J	L	M	R	S
203	1/2	27/32	15/32	2-5/32	31/32	1-1/16	0.359	0.641
	5/8							
	17mm	21.4	11.9	54.8	24.6	27.0	9.1	16.3
203 (SCU)	1/2	27/32	19/32	2-3/32	31/32	1-3/16	0.359	0.641
	5/8							
	17MM	21.4	15.1	57.9	24.6	30.2	9.1	16.3
204	1/2	27/32	17/32	2-9/16	1-1/8	1-5/16	0.422	0.794
	5/8							
	3/4							
204	20MM	21.4	13.5	65.1	28.6	33.3	10.7	18.7
205	7/8	27/32	19/32	2-25/32	1-5/16	1-7/16	0.422	0.766
	15/16							
	1							
205	25mm	21.4	15.1	70.6	33.3	36.5	10.7	19.4
206	1-1/16	15/16	11/16	3-1/4	1-37/64	1-5/8	0.484	29/32
	1-1/8							
	1-3/16							
206	1-1/4							
	30mm	23.8	17.5	82.6	40.1	41.3	12.3	23.0
206 (SCU)	1-1/16	15/16	3/4	3-5/16	1-37/64	1-11/16	0.484	0.606
	1-1/8							
	1-3/16							
206 (SCU)	1-1/4							
	30mm	23.8	19.1	84.1	40.1	42.9	12.3	23.0
207	1-1/4	15/16	23/32	3-3/4	1-27/32	1-7/8	0.500	1.031
	1-5/16							
	1-3/8							
207	1-7/16							
	35MM	23.8	18.3	95.9	46.8	47.6	12.7	26.2

DIMENSIONS SC INSERTS PAGE B2-108	MODIFICATIONS PAGE B2-119	RELATED PRODUCTS PAGE B2-43	
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B2-11

TU Bearings

Isostatic Industries, Inc., 4153 North Kostner Avenue, Chicago, IL 60641 Phone: 800/621-5500

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[Inch Flanges](#)
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TU Self Lubricating Bearings - Steel Backed and P.T.F.E. Lined

Isostatic Industries is the value leader in TU Self Lubricating Bearings. These bearings offer the mechanical strength of steel, the heat dispersion of bronze and the low friction of PTFE.

Key Benefits

- High Load Capacity
- Self-lubricating under dry conditions
- Low static and dynamic coefficient of friction (no "stick-slip" effect)
- Minimum wear and excellent operating life
- High chemical resistance and capability
- Wide range of operating temperatures
- Good thermal conductivity
- Good electrical conductivity
- Ease of fitting
- Excellent performance/cost ratio

Inch Flanges

Isostatic Industries, Inc., 4153 North Kostner Avenue, Chicago, IL 60641 Phone: 800/621-5500

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TU Self Lubricating Flanged Bearings - Standard Inch Sizes

I.D.	O.D.	Length	Part Number	Item Number
0.3750	0.4688	0.2500	06FTU04	502001
0.3750	0.4688	0.3750	06FTU06	502002
0.3750	0.4688	0.5000	06FTU08	502003
0.3750	0.4688	0.7500	06FTU12	502004
0.5000	0.5938	0.2500	08FTU04	502005
0.5000	0.5938	0.3750	08FTU06	502006
0.5000	0.5938	0.5000	08FTU08	502007
0.5000	0.5938	0.7500	08FTU12	502008
0.6250	0.7188	0.3750	10FTU06	502009
0.6250	0.7188	0.5000	10FTU08	502010
0.6250	0.7188	0.6250	10FTU10	502011
0.6250	0.7188	0.7500	10FTU12	502012
0.7500	0.8750	0.3750	12FTU06	502013
0.7500	0.8750	0.5000	12FTU08	502014
0.7500	0.8750	0.7500	12FTU12	502015
0.7500	0.8750	1.0000	12FTU16	502016
0.8750	1.0000	0.5000	14FTU08	502017
0.8750	1.0000	0.7500	14FTU12	502018
0.8750	1.0000	1.0000	14FTU16	502019
0.8750	1.0000	1.2500	14FTU20	502020
1.0000	1.1250	0.5000	16FTU08	502021
1.0000	1.1250	0.7500	16FTU12	502022
1.0000	1.1250	1.0000	16FTU16	502023
1.0000	1.1250	1.2500	16FTU20	502024
1.2500	1.4063	1.0000	20FTU16	502025

1.2500	1.4063	1.2500	20FTU20	502026
1.2500	1.4063	1.5000	20FTU24	502027
1.5000	1.6563	1.0000	24FTU16	502028
1.5000	1.6563	1.5000	24FTU24	502029
1.5000	1.6563	2.0000	24FTU32	502030
1.7500	1.9375	1.0000	28FTU16	502031
1.7500	1.9375	1.5000	28FTU24	502032
1.7500	1.9375	2.0000	28FTU32	502033

2 Bolt Piloted Flange



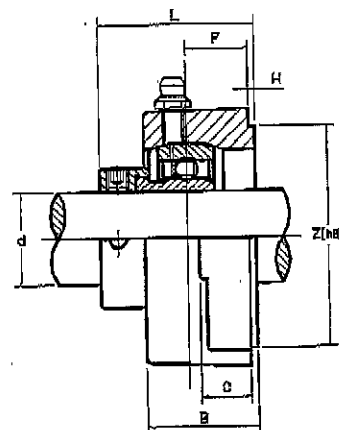
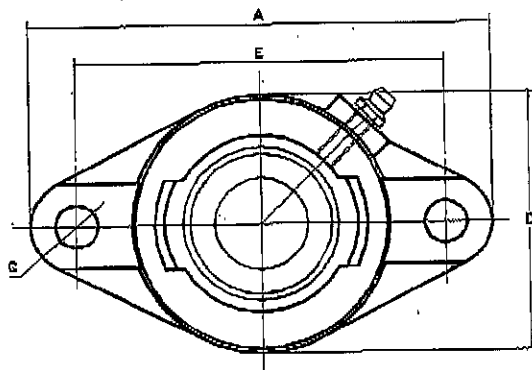
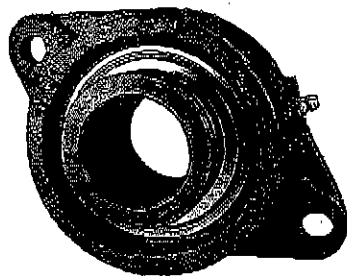
OWFZ 200 Gold Series

Normal Duty Bearing

Cast Iron Housing

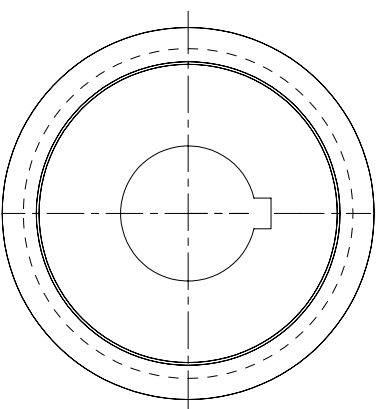
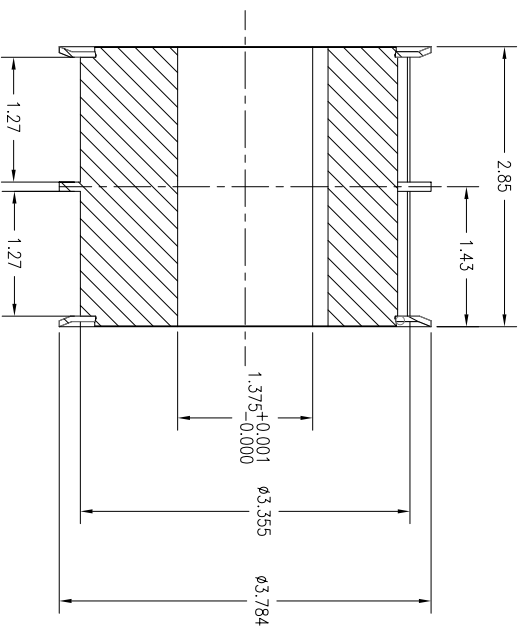
Eccentric Lock

Metric and Inch Bores



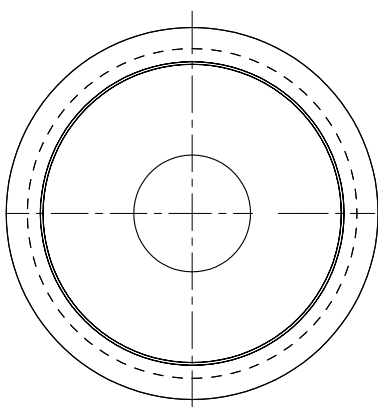
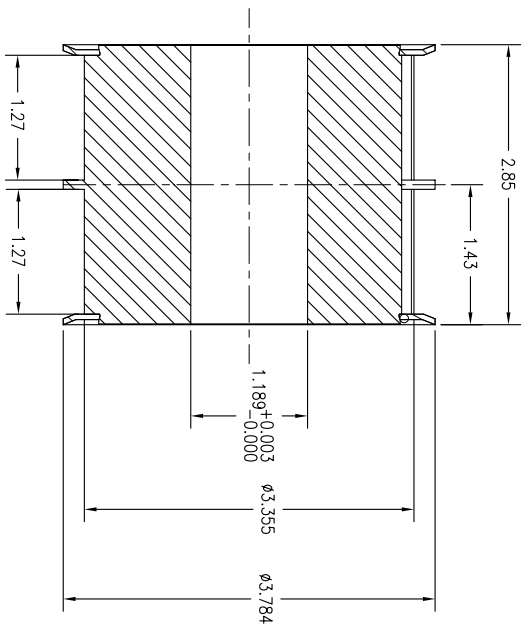
Part No.	Shaft Size d		Dimensions (mm) (in)										Bearing No.	Housing No.	Wt. kg
	mm	in	A	B	C	D	E	F	G	H	L	Z(h8)			
OWFZ 204 x 20MM	20		112.0	33	9	61.5	90.0	17.1	11.5	2.8	41.1	55	SA204 x 20MM	OWFZ 204	0.7
OWFZ 204 x 3/4		3/4	4.41	1.30	0.35	2.42	3.54	0.67	0.45	0.11	1.62	2.17	SA204 x 3/4		
OWFZ 205 x 25MM	25		124.0	30.0	13	70.0	99.0	16.7	11.5	2	40.2	60	SA205 x 25MM	OWFZ 205	1.0
OWFZ 205 x 7/8		7/8	4.88	1.18	0.51	2.76	3.9	0.66	0.45	0.08	1.58	2.36	SA205 x 7/8		
OWFZ 205 x 15/16		15/16											SA205 x 15/16		
OWFZ 205 x 1		1											SA205 x 1		
OWFZ 206 x 30MM	30		141.5	35.0	10.0	83	117.0	19.8	11.5	2	47.5	80	SA206 x 30MM	OWFZ 206	1.2
OWFZ 206 x 1-1/8		1-1/8	5.57	1.38	0.39	3.27	4.61	0.76	0.45	0.08	1.87	3.15	SA206 x 1-1/8		
OWFZ 206 x 1-3/16		1-3/16											SA206 x 1-3/16		
OWFZ 206 x 1-1/4		1-1/4											SA206 x 1-1/4		
OWFZ 207 x 35MM	35		155.5	37.3	12	93	130.0	18.6	13.5	3	49.0	90	SA207 x 35MM	OWFZ 207	1.6
OWFZ 207 x 1-1/4		1-1/4	6.12	1.47	0.47	3.60	5.12	0.73	0.53	0.12	1.93	3.54	SA207 x 1-1/4		
OWFZ 207 x 1-3/8		1-3/8											SA207 x 1-3/8		
OWFZ 207 x 1-7/16		1-7/16											SA207 x 1-7/16		
OWFZ 208 x 40MM	40		171.5	43.0	10.0	105.0	144.0	20.8	13.5	3	55.5	100	SA208 x 40MM	OWFZ 208	1.9
OWFZ 208 x 1-1/2		1-1/2	6.75	1.69	0.39	4.13	5.67	0.82	0.53	0.12	2.19	3.94	SA208 x 1-1/2		
OWFZ 209 x 45MM	45		179.5	45.0	12.0	111.0	148.5	20.8	13.5	3	55.0	105	SA209 x 45MM	OWFZ 209	2.9
OWFZ 209 x 1-5/8		1-5/8	7.07	1.77	0.47	4.37	5.87	0.82	0.53	0.12	2.17	4.13	SA209 x 1-5/8		
OWFZ 209 x 1-11/16		1-11/16											SA209 x 1-11/16		
OWFZ 209 x 1-3/4		1-3/4											SA209 x 1-3/4		
OWFZ 210 x 50MM	50		195	47.5	11	118	157.0	28.7	13.5	3	59.4	105	SA210 x 50MM	OWFZ 210	2.8
OWFZ 210 x 1-7/8		1-7/8	7.68	1.87	0.43	4.65	6.18	1.13	0.53	0.12	2.34	4.13	SA210 x 1-7/8		
OWFZ 210 x 1-15/16		1-15/16											SA210 x 1-15/16		
OWFZ 210 x 2		2											SA210 x 2		
OWFZ 212 x 60MM	60		238.0	54.0	16.0	140.0	202.0	32.0	17.5	3	74.1	130	SA212 x 60MM	OWFZ 212	3.1
OWFZ 212 x 2-1/4		2-1/4	9.37	2.13	0.63	5.51	7.95	1.25	0.69	0.12	2.92	5.12	SA212 x 2-1/4		
OWFZ 212 x 2-3/8		2-3/8											SA212 x 2-3/8		
OWFZ 212 x 2-7/16		2-7/16											SA212 x 2-7/16		

Note: Set Screw and Adapter Lock Bearings also available from stock.



NOTES:

1. BELT PITCH: 8M
2. NUMBER OF TEETH: 34
3. 5/16" KEYWAY
4. PITCH DIA: 3.409



- NOTES:
1. BELT PITCH: 8M
 2. NUMBER OF TEETH: 34
 3. PITCH DIA: 3.409