RBI BEARING

Bearings + Technology + Solutions

STAINLESS STEEL & THERMOPLASTIC MOUNTED UNITS & INSERTS

www.rbibearing.com + 1-800-708-2128

STAINLESS STEEL AND THERMOPLASTIC MOUNTED UNITS FEATURES & ADVANTAGES

- Available with RBI's Armor Bearing Technology & Protection
- 304 Stainless Steel solid base housing
- High tensile strength housing
- Stainless Steel grease fittings
- 440C Stainless Steel bearing
- Stainless Steel slinger over a double lip contact seal
- FDA/USDA Mobil FM222 Food Grade Grease
- Shaft diameters between 1/2" and 2"
- Cleaning and chemical resistant
- End caps available

ARMOR BEARING SERIES | BEARING TECHNOLOGY & PROTECTION

RBI offers all of our bearing products with our Armor Bearing Technology & Protection to reduce bearing friction and substantially increase bearing life - which means less downtime and reduced repair costs. We offer Armor Nano Technology, Armor Long Lasting Lubrication Technology & Armor Coated Protection. Armor Technologies do not alter the dimensional tolerances of the bearings. Armor Bearing Technologies & Protection benefit applications experiencing high heat temperatures, harsh contamination and clean environments sensitive to corrosion and chemical wash downs.

ARMOR
BEARING SERIES

ARMOR Nano Technology
ARMOR Long Lasting Lubrication
ARMOR Coated Protection

- Significantly extend the bearing's life
- Shields the bearing against harsh environments
- Increases efficiency and production
- Provides constant and consistent lubrication
- Preventing contamination ingress & corrosion
- Dramatically reducing shutdowns & the need for maintenance
- Saves time and operation costs

CONTENTS

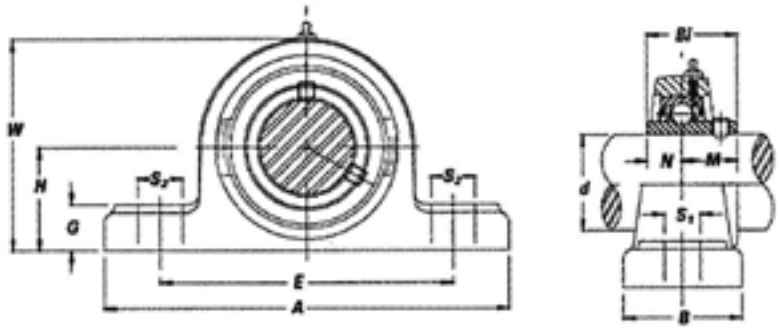
STAINLESS STEEL

PILLOW BLOCK UNITS 04
4 BOLT FLANGE 04
2 BOLT FLANGE 05

THERMOPLASTIC

PILLOW BLOCK UNITS 06
4 BOLT FLANGE 06
2 BOLT FLANGE 07
TAP BASE FLANGE 07
3 BOLT FLANGE 08
COVERS & SEALS 08
ENGINEERING DATA 09
STAINLESS STEEL INSERTS & BALL BEARINGS 10-11

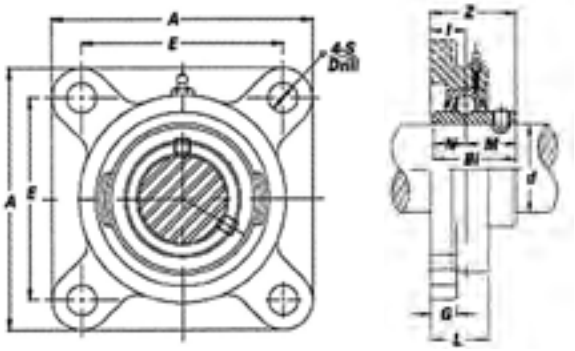
STAINLESS STEEL MOUNTED UNITS



PILLOW BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)											BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	H	A	E	B	S2	S1	G	W	Bi	N	M	(in)	(mm)			
SUCSP 204-12 SUCSP 204	3/4	20	1.3110 33.3	5.0000 127	3.7402 95	1.4961 38	0.7480 19	0.5118 13	0.5118 13	2.5591 65	1.2205 31	0.5000 12.7	0.7205 18.3	3/8	M10	SUC 204-12 SUC 204	SP204	1.54
SUCSP 205-14 SUCSP 205-16 SUCSP 205	7/8 1	25	1.4370 36.5	5.5118 140	4.1339 105	1.4961 38	0.7480 19	0.5118 13	0.5906 15	2.7953 71	1.3425 34.1	0.5630 14.3	0.7795 19.8	3/8	M10	SUC 205-14 SUC 205-16 SUC 205	SP205	1.87
SUCSP 206-19 SUCSP 206-20 SUCSP 206	1-3/16 1-1/4	30	1.6890 42.9	6.4961 165	4.7638 121	1.8898 48	0.7874 20	0.6693 17	0.6693 17	3.3071 84	1.5000 38.1	0.6260 15.9	0.8740 22.2	1/2	M14	SUC 206-19 SUC 206-20 SUC 206	SP206	2.64
SUCSP 207-20 SUCSP 207-22 SUCSP 207-23 SUCSP 207	1-1/4 1-3/8 1-7/16	35	1.8740 47.6	6.5748 167	5.0000 127	1.8898 48	0.7874 20	0.6693 17	0.7480 19	3.6614 93	1.6890 42.9	0.6890 17.5	1.0000 25.4	1/2	M14	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	SP207	3.74
SUCSP 208-24 SUCSP 208	1-1/2	40	1.9370 49.2	7.2441 184	5.3937 137	2.1260 54	0.7874 20	0.6693 17	0.7874 20	3.8583 98	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M14	SUC 208-24 SUC 208	SP208	4.62
SUCSP 209-27 SUCSP 209-28 SUCSP 209	1-11/16 1-3/4	45	2.1260 54	7.4803 190	5.7480 146	2.1260 54	0.7874 20	0.6693 17	0.7874 20	4.1732 106	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M14	SUC 209-27 SUC 209-28 SUC 209	SP209	5.28
SUCSP 210-31 SUCSP 210-32 SUCSP 210	1-15/16 2	50	2.2520 57.2	8.1102 206	6.2598 159	2.3622 60	0.9843 25	0.7677 19.5	0.8661 22	4.4882 114	2.0315 51.6	0.7480 19	1.2835 32.6	5/8	M16	SUC 210-31 SUC 210-32 SUC 210	SP210	6.38

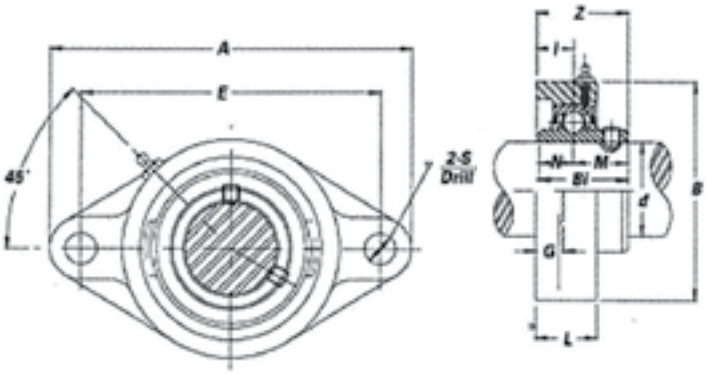
Stainless Steel Pillow Block Grease Fittings are at 45°



4-BOLT FLANGE BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)										BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	A	E	I	G	L	S	Z	Bi	N	M	(in)	(mm)			
SUCSF 204-12 SUCSF 204	3/4	20	3.3858 86	2.5197 64	0.5906 15	0.4331 11	0.9843 25	0.4724 12	1.3110 33.3	1.2205 31	0.5000 12.7	0.7205 18.3	3/8	M10	SUC 204-12 SUC 204	SF204	1.32
SUCSF 205-14 SUCSF 205-16 SUCSF 205	7/8 1	25	3.7402 95	2.7559 70	0.6299 16	0.5118 13	1.0630 27	0.4724 12	1.4094 35.8	1.3425 34.1	0.5630 14.3	0.7795 19.8	3/8	M10	SUC 205-14 SUC 205-16 SUC 205	SF205	1.89
SUCSF 206-19 SUCSF 206-20 SUCSF 206	1-3/16 1-1/4	30	4.2520 108	3.2677 83	0.7087 18	0.5118 13	1.2205 31	0.4724 12	1.5827 40.2	1.5000 38.1	0.6260 15.9	0.8740 22.2	3/8	M10	SUC 206-19 SUC 206-20 SUC 206	SF206	2.42
SUCSF 207-20 SUCSF 207-22 SUCSF 207-23 SUCSF 207	1-1/4 1-3/8 1-7/16	35	4.6063 117	3.6220 92	0.7480 19	0.5906 15	1.3386 34	0.5512 14	1.7480 44.4	1.6890 42.9	0.6890 17.5	1.0000 25.4	7/16	M12	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	SF207	3.52
SUCSF 208-24 SUCSF 208	1-1/2	40	5.1181 130	4.0157 102	0.8268 21	0.5906 15	1.4173 36	0.6299 16	2.0157 51.2	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M14	SUC 208-24 SUC 208	SF208	4.18
SUCSF 209-27 SUCSF 209-28 SUCSF 209	1-11/16 1-3/4	45	5.3937 137	4.1339 105	0.8661 22	0.6299 16	1.4961 38	0.6299 16	2.0551 52.2	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M14	SUC 209-27 SUC 209-28 SUC 209	SF209	5.28
SUCSF 210-31 SUCSF 210-32 SUCSF 210	1-15/16 2	50	5.6299 143	4.3701 111	0.8661 22	0.6299 16	1.5748 40	0.6299 16	2.1496 54.6	2.0315 51.6	0.7480 19	1.2835 32.6	1/2	M14	SUC 210-31 SUC 210-32 SUC 210	SF210	5.72

CALL 1-800-708-2128 TO ORDER.



STAINLESS STEEL MOUNTED UNITS

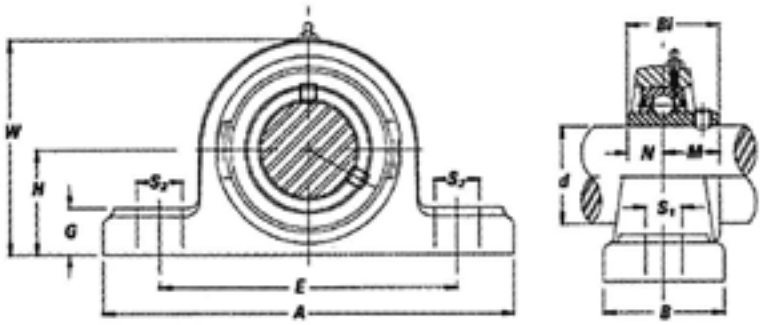
2-BOLT FLANGE BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)											BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	A	E	I	G	L	S	B	Z	Bi	N	M	(in)	(mm)			
SUCSFL 204-12 SUCSFL 204	3/4	20	4.4488 113	3.5433 90	0.5906 15	0.4331 11	1.0039 25.5	0.4724 12	2.3622 60	1.3110 33.3	1.2205 31	0.5000 12.7	0.5000 18.3	3/8	M10	SUC 204-12 SUC 204	SFL204	1.03
SUCSFL 205-14 SUCSFL 205-16 SUCSFL 205	7/8 1	25	5.1181 130	3.8976 99	0.6299 16	0.5118 13	1.0630 27	0.4921 12.5	2.6772 68	1.4094 35.8	1.3425 34.1	0.5630 14.3	0.5000 19.8	1/2	M14	SUC 205-14 SUC 205-16 SUC 205	SFL205	1.39
SUCSFL 206-19 SUCSFL 206-20 SUCSFL 206	1-3/16 1-1/4	30	5.8268 148	4.6063 117	0.7087 18	0.5118 13	1.2205 31	0.6299 16	3.1496 80	1.5827 40.2	1.5000 38.1	0.6260 15.9	0.5000 22.2	1/2	M14	SUC 206-19 SUC 206-20 SUC 206	SFL206	1.87
SUCSFL 207-20 SUCSFL 207-22 SUCSFL 207-23 SUCSFL 207	1-1/4 1-3/8 1-7/16	35	6.3386 161	5.1181 130	0.7480 19	0.6299 16	1.3386 34	0.6299 16	3.5433 90	1.7480 44.4	1.6890 42.9	0.6890 17.5	0.5000 25.4	1/2	M14	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	SFL207	2.64
SUCSFL 208-24 SUCSFL 208	1-1/2	40	6.8898 175	5.6693 144	0.8268 21	0.6299 16	1.4173 36	0.6299 16	3.9370 100	2.0157 51.2	1.9370 49.2	0.7480 19	0.5000 30.2	1/2	M14	SUC 208-24 SUC 208	SFL208	3.52
SUCSFL 209-27 SUCSFL 209-28 SUCSFL 209	1-11/16 1-3/4	45	7.4016 188	5.8268 148	0.8661 22	0.6299 16	1.4961 38	0.6299 16	4.2520 108	2.0551 52.2	1.9370 49.2	0.7480 19	0.5000 30.2	1/2	M14	SUC 209-27 SUC 209-28 SUC 209	SFL209	4.18
SUCSFL 210-31 SUCSFL 210-32 SUCSFL 210	1-15/16 2	50	7.7559 197	6.1811 157	0.8661 22	0.6299 16	1.5748 40	0.7480 19	4.5276 115	2.1496 54.6	2.0315 51.6	0.7480 19	0.5000 32.6	5/8	M16	SUC 210-31 SUC 210-32 SUC 210	SFL210	5.06

Our Stainless Steel and Thermoplastic Units are made for applications subject to moisture, dirt, corrosive and abrasive atmospheres such as:

- Food Processing Plants
- Food Packaging Plants
- Beverage, Brewing, Bottling Plants
- Meat, Poultry, Seafood Processing Plants
- Dairy Industry Plants
- Sugar Processing Plants
- Drug and Pharmaceutical Plants
- Chemical Processing Plants
- Pulp and Paper Mills
- Marine and Naval Applications
- Car and Truck Washes
- Rubber and Plastics Plants
- Refrigeration and Freezer Plants
- Agriculture Harvesting Machinery
- Sand/Salt Treatment Equipment
- Material Handling Equipment

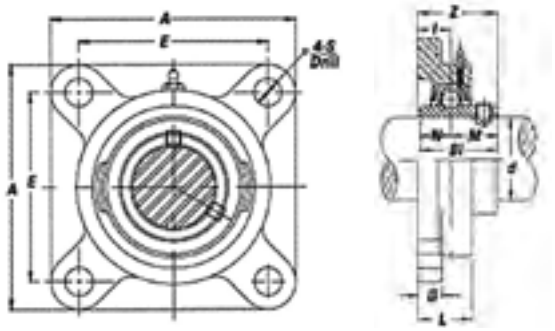
THERMOPLASTIC MOUNTED UNITS



PILLOW BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)											BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	H	A	E	B	S2	S1	G	W	Bi	N	M	(in)	(mm)			
SUCTP 204-12 SUCTP 204	3/4	20	1.3110 33.3	5.0000 127	3.7402 95	1.4961 38	0.5512 14	0.4331 11	0.5591 14.2	2.5787 65.5	1.2205 31	0.5000 12.7	0.7205 18.3	3/8	M10	SUC 204-12 SUC 204	TP204	0.66
SUCTP 205-14 SUCTP 205-16 SUCTP 205	7/8 1	25	1.4370 36.5	5.5315 140.5	4.1339 105	1.4961 38	0.5512 14	0.4331 11	0.5709 14.5	2.7953 71	1.3386 34	0.5630 14.3	0.7756 19.7	3/8	M10	SUC 205-14 SUC 205-16 SUC 205	TP205	0.76
SUCTP 206-19 SUCTP 206-20 SUCTP 206	1-3/16 1-1/4	30	1.6890 42.9	6.4173 163	4.6850 119	1.8110 46	0.7087 18	0.5512 14	0.7008 17.8	3.3071 84	1.5000 38.1	0.6260 15.9	0.8740 22.2	1/2	M12	SUC 206-19 SUC 206-20 SUC 206	TP206	1.21
SUCTP 207-20 SUCTP 207-22 SUCTP 207-23 SUCTP 207	1-1/4 1-3/8 1-7/16	35	1.8740 47.6	6.6142 168	5.0000 127	1.8898 48	0.7087 18	0.5512 14	0.7087 18	3.7205 94.5	1.6890 42.9	0.6890 17.5	1.0000 25.4	1/2	M12	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	TP207	1.72
SUCTP 208-24 SUCTP 208	1-1/2	40	1.9370 49.2	7.2441 184	5.3937 137	2.1260 54	0.7087 18	0.5512 14	0.7677 19.5	3.9764 101	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M12	SUC 208-24 SUC 208	TP208	2.15
SUCTP 209-27 SUCTP 209-28 SUCTP 209	1-11/16 1-3/4	45	2.1260 54	7.5591 192	5.7480 146	2.1260 54	0.7874 20	0.6693 17	0.9055 23	4.1732 106	1.9370 49.2	0.7480 19	1.1890 30.2	5/8	M16	SUC 209-27 SUC 209-28 SUC 209	TP209	2.43
SUCTP 210-31 SUCTP 210-32 SUCTP 210	1-15/16 2	50	2.2520 57.2	8.1102 206	6.2598 159	2.3622 60	0.7874 20	0.6693 17	0.9055 23	4.4882 114	2.0315 51.6	0.7480 19	1.2835 32.6	5/8	M16	SUC 210-31 SUC 210-32 SUC 210	TP210	2.68

Thermoplastic Pillow Block Grease Fittings are at 0°

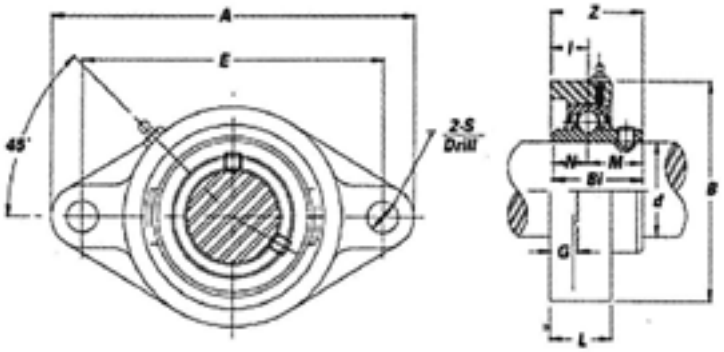


4-BOLT FLANGE BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)										BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	A	E	I	G	L	S	Z	Bi	N	M	(in)	(mm)			
SUCTF 204-12 SUCTF 204	3/4	20	3.3858 86	2.5000 63.5	0.6417 16.3	0.5276 13.4	1.0945 27.8	0.4331 11	1.3622 34.6	1.2205 31	0.5000 12.7	0.7205 18.3	3/8	M10	SUC 204-12 SUC 204	TF204	0.66
SUCTF 205-14 SUCTF 205-16 SUCTF 205	7/8 1	25	3.7402 95	2.7559 70	0.6693 17	0.5630 14.3	1.1220 28.5	0.4331 11	1.4449 36.7	1.3386 34	0.5630 14.3	0.7756 19.7	3/8	M10	SUC 205-14 SUC 205-16 SUC 205	TF205	0.80
SUCTF 206-19 SUCTF 206-20 SUCTF 206	1-3/16 1-1/4	30	4.2126 107	3.2677 83	0.7480 19	0.5630 14.3	1.2402 31.5	0.4331 11	1.6220 41.2	1.5000 38.1	0.6260 15.9	0.8740 22.2	3/8	M10	SUC 206-19 SUC 206-20 SUC 206	TF206	1.12
SUCTF 207-20 SUCTF 207-22 SUCTF 207-23 SUCTF 207	1-1/4 1-3/8 1-7/16	35	4.6457 118	3.6220 92	0.8465 21.5	0.6102 15.5	1.3583 34.5	0.5118 13	1.8465 46.9	1.6890 42.9	0.6890 17.5	1.0000 25.4	1/2	M12	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	TF207	1.65
SUCTF 208-24 SUCTF 208	1-1/2	40	5.1181 130	4.0157 102	0.9055 23	0.6693 17	1.4370 36.5	0.5512 14	2.0945 53.2	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M12	SUC 208-24 SUC 208	TF208	2.15
SUCTF 209-27 SUCTF 209-28 SUCTF 209	1-11/16 1-3/4	45	5.3937 137	4.1339 105	0.9449 24	0.7480 19	1.6142 41	0.6693 17	2.1339 54.2	1.9370 49.2	0.7480 19	1.1890 30.2	5/8	M16	SUC 209-27 SUC 209-28 SUC 209	TF209	2.45
SUCTF 210-31 SUCTF 210-32 SUCTF 210	1-15/16 2	50	5.6299 143	4.3701 111	0.9843 25	0.8268 21	1.6929 43	0.6693 17	2.2677 57.6	2.0315 51.6	0.7480 19	1.2835 32.6	5/8	M16	SUC 210-31 SUC 210-32 SUC 210	TF210	2.79

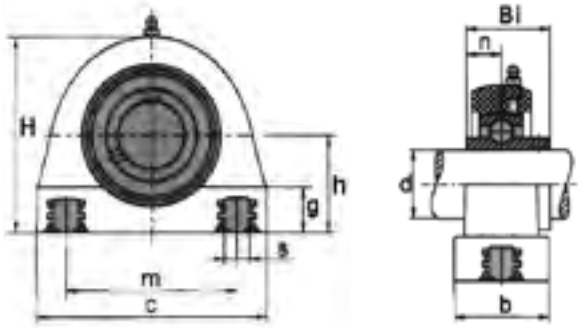
CALL 1-800-708-2128 TO ORDER.

THERMOPLASTIC MOUNTED UNITS



2-BOLT FLANGE BLOCK

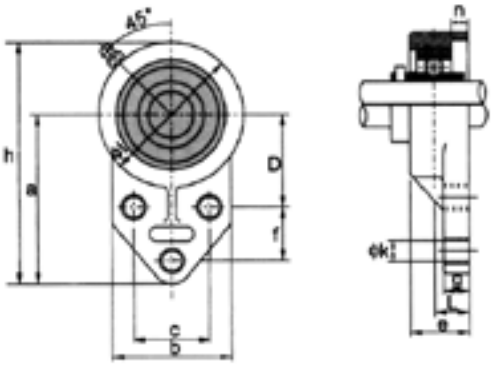
BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)											BOLT USED		BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	A	E	I	G	L	S	B	Z	Bi	N	M	(in)	(mm)			
SUCTFL 204-12 SUCTFL 204	3/4	20	4.4488 113	3.5433 90	0.5906 15	0.5276 13.4	1.0433 26.5	0.4331 11	2.5591 65	1.3110 33.3	1.2205 31	0.5000 12.7	0.7205 18.3	3/8	M10	SUC 204-12 SUC 204	TFL204	0.54
SUCTFL 205-14 SUCTFL 205-16 SUCTFL 205	7/8 1	25	5.1575 131	3.8976 99	0.6496 16.5	0.5630 14.3	1.1024 28	0.4331 11	2.7559 70	1.4252 36.2	1.3386 34	0.5630 14.3	0.7756 19.7	3/8	M10	SUC 205-14 SUC 205-16 SUC 205	TFL205	0.67
SUCTFL 206-19 SUCTFL 206-20 SUCTFL 206	1-3/16 1-1/4	30	5.8268 148	4.6063 117	0.7087 18	0.5630 14.3	1.2008 30.5	0.4331 11	3.1496 80	1.5827 40.2	1.5000 38.1	0.6260 15.9	0.8740 22.2	3/8	M10	SUC 206-19 SUC 206-20 SUC 206	TFL206	0.99
SUCTFL 207-20 SUCTFL 207-22 SUCTFL 207-23 SUCTFL 207	1-1/4 1-3/8 1-7/16	35	6.4567 164	5.1181 130	0.7480 19	0.6102 15.5	1.2598 32	0.5118 13	3.5433 90	1.7480 44.4	1.6890 42.9	0.6890 17.5	1.0000 25.4	1/2	M12	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	TFL207	1.47
SUCTFL 208-24 SUCTFL 208	1-1/2	40	6.9291 176	5.6693 144	0.8465 21.5	0.6693 17	1.3780 35	0.5512 14	3.9370 100	2.0354 51.7	1.9370 49.2	0.7480 19	1.1890 30.2	1/2	M12	SUC 208-24 SUC 208	TFL208	1.93
SUCTFL 209-27 SUCTFL 209-28 SUCTFL 209	1-11/16 1-3/4	45	7.4409 189	5.8661 149	0.9449 24	0.8268 21	1.6142 41	0.6693 17	4.2520 108	2.1339 54.2	1.9370 49.2	0.7480 19	1.1890 30.2	5/8	M16	SUC 209-27 SUC 209-28 SUC 209	TFL209	2.23
SUCTFL 210-31 SUCTFL 210-32 SUCTFL 210	1-15/16 2	50	7.7559 197	6.1811 157	0.9843 25	0.8268 21	1.6929 43	0.6693 17	4.5276 115	2.2677 57.6	2.0315 51.6	0.7480 19	1.2835 32.6	5/8	M16	SUC 210-31 SUC 210-32 SUC 210	TFL210	2.68



TAP BASE PILLOW BLOCK

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (in) or (mm)									BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	h	b	H	m	C	s	g	n	Bi			
SUCTTB 201-8 SUCTTB 202-10 SUCTTB 204-12 SUCTTB 204	1/2 5/8 3/4	20	1.312 33.3	1.358 34.5	2.594 66	2 50.8	2.87 72.8	3/8	0.51 13	0.50 12.7	1.22 31	SUC 201-8 SUC 202-10 SUC 204-12 SUC 204	TTB204	0.66
SUCTTB 205-14 SUCTTB 205-16 SUCTTB 205	7/8 1	25	1.437 36.5	1.55 39.5	2.89 73.5	2 50.8	3 76.2	3/8	0.51 13	0.56 14.3	1.34 34.1	SUC 205-14 SUC 205-16 SUC 205	TTB205	0.73
SUCTTB 206-19 SUCTTB 206-20 SUCTTB 206	1-3/16 1-1/4	30	1.687 42.9	1.65 42	3.30 84	3 76.2	4 101	7/16	0.62 16	0.62 15.9	1.50 38.1	SUC 206-19 SUC 206-20 SUC 206	TTB206	1.21
SUCTTB 207-20 SUCTTB 207-22 SUCTTB 207-23 SUCTTB 207	1-1/4 1-3/8 1-7/16	35	1.875 47.6	1.85 47	3.75 95	3.25 82.6	4.35 110.5	1/2	0.72 18.5	0.68 17.5	1.68 42.9	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	TTB207	1.69
SUCTTB 208-24 SUCTTB 208	1-1/2	40	1.937 49.2	1.889 48	4 100.5	3.50 88.9	4.75 120	1/2	0.78 20	0.75 19	1.93 49.2	SUC 208-24 SUC 208	TTB208	2.10

THERMOPLASTIC MOUNTED UNITS



3-BOLT FLANGE

BEARING UNIT	SHAFT DIA. (d)		DIMENSIONS (mm)											BEARING	HOUSING	WEIGHT (lbs)
	(in)	(mm)	a	b	c	D	e	f	g	h	k	n	L			
SUCTFB 201-8 SUCTFB 202-10 SUCTFB 204-12 SUCTFB 204	1/2 5/8 3/4	20	2.46 62.5	2.57 62.5	1.50 38.1	1.68 42.9	1.04 26.5	0.875 22.2	0.55 14	4.25 108	0.437 11	0.50 12.7	0.59 15	SUC 201-8 SUC 202-10 SUC 204-12 SUC 204	TFB204	0.54
SUCTFB 205-14 SUCTFB 205-16 SUCTFB 205	7/8 1	25	3.37 85.7	2.71 69	1.62 41.3	1.88 48	1.10 28	1.12 28.6	0.51 13	4.75 121	0.437 11	0.56 14.3	0.64 16.5	SUC 205-14 SUC 205-16 SUC 205	TFB205	0.67
SUCTFB 206-19 SUCTFB 206-20 SUCTFB 206	1-3/16 1-1/4	30	3.79 96.5	3.26 83	1.81 46.1	2.06 52.4	1.25 32	1.25 31.8	0.51 13	5.45 138.5	0.437 11	0.62 15.9	0.70 18	SUC 206-19 SUC 206-20 SUC 206	TFB206	1.03
SUCTFB 207-20 SUCTFB 207-22 SUCTFB 207-23 SUCTFB 207	1-1/4 1-3/8 1-7/16	35	4.31 109.5	3.70 94	2 50.8	2.37 60.3	1.25 32	1.25 31.8	0.59 15	6.14 156	0.51 13	0.68 17.5	0.74 19	SUC 207-20 SUC 207-22 SUC 207-23 SUC 207	TFB207	1.45

COVERS & SEALS

THERMOPLASTIC PLASTIC COVERS (OPEN AND CLOSED)

PART NO.	SHAFT DIA. (d)		DIMENSIONS (mm)					
	in	mm	K	N	L	M	D	b
204-OC-12 204-CC	3/4	20	32	7	23	50	52	6
205-OC-14 205-OC-16 205-CC	7/8 1	25	37	7	25	55	62	6
206-OC-19 206-OC-20 206-CC	1-3/16 1-1/4	30	42	7	30	64	72	6
207-OC-20 207-OC-22 207-OC-23 207-CC	1-1/4 1-3/8 1-7/16	35	47	7	32	74.5	82	6
208-OC-24 208-CC	1-1/2	40	52	7	37	84	88	6
209-OC-27 209-OC-28 209-CC	1-11/16 1-3/4	45	57	7	41	89	93	6
210-OC-31 210-OC-32 210-CC	1-15/16 2	50	62	7	47	94	98	6

BACK SEALS

PART NO.	in	mm	B (mm)		D
204-BS-12 204-BS	3/4	20	6	3	52
205-BS-14 205-BS-16 205-BS	7/8 1	25	6	3	62
206-BS-19 206-BS-20 206-BS	1-3/16 1-1/4	30	6	3	72
207-BS-20 207-BS-22 207-BS-23 207-BS	1-1/4 1-3/8 1-7/16	35	6	3	82
208-BS-24 208-BS	1-1/2	40	6	3	88
209-BS-27 209-BS-28 209-BS	1-11/16 1-3/4	45	6	3	93
210-BS-31 210-BS-32 210-BS	1-15/16 2	50	6	3	98

CALL 1-800-708-2128 TO ORDER.

THERMOPLASTIC HOUSING BREAKING POINT TESTING

PILLOW BLOCK (TP)

MODE OF LOAD	BREAKING POINT TEST (KGS)						
	204	205	206	207	208	209	210
	8800	13700	12650	12750	13100	13360	13850
	7700	10000	10600	10800	11100	11400	11750
	5000	8100	5750	7500	8500	8950	9550

4-BOLT FLANGE BLOCK (TF)

MODE OF LOAD	BREAKING POINT TEST (KGS)						
	204	205	206	207	208	209	210
	12950	13000	17000	18500	19100	19350	19650
	10250	12150	17700	18500	19250	19350	19620
	3250	3350	3380	3520	3790	3850	3990

2-BOLT FLANGE BLOCK (TFL)

MODE OF LOAD	BREAKING POINT TEST (KGS)						
	204	205	206	207	208	209	210
	11250	11385	16450	16900	17350	17600	17950
	11000	13850	13350	13950	14050	14300	14550
	8500	11100	14200	14900	15150	15350	15650

TAP BASE (TTB)

MODE OF LOAD	BREAKING POINT TEST (KGS)						
	204	205	206	207	208	209	210
	8210	8540	10370	12150	12230	12900	13850
	6900	7010	6580	8080	9100	10400	11050
	2980	2850	4950	8160	9800	10710	11360

3-BOLT FLANGE BRACKET (TFB)

MODE OF LOAD	BREAKING POINT TEST (KGS)						
	201	202	203	204	205	206	207
	7200	7200	7200	7200	9100	12200	12900
	9200	9200	9200	9200	11100	11800	11900
	2600	2600	2600	2600	2800	2900	3100

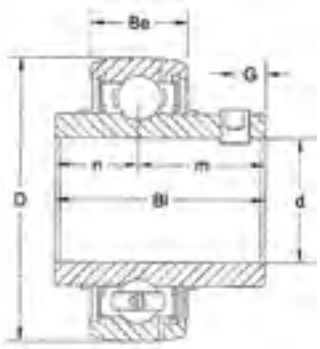
THERMOPLASTIC HOUSING AND COVERS PROPERTIES & CHARACTERISTICS

PROPERTIES	UNIT	TEST METHOD	
MECHANICAL			
Tensile strength at yield	N/mm²	ASTM D638	115
at break	N/mm²	ASTM D638	
Elongation at yield	%	ASTM D638	3
at break	%	ASTM D638	-
Tensile modulus	N/mm²	ASTM D638	8000
Flexural yield strength	N/mm²	ASTM D790	-
Flexural yield strength	N/mm²	ASTM D790	170
Flexural modulus	N/mm²	ASTM D790	7000
Notched impact strength charpy	K/m²	DIN53453	12
Hardness H358/10	N/mm²	DIN53456	104
H358/60	N/mm²	DIN53456	101
Rockwell	-	ASTM D 785	L102
THERMAL			
Oxygen index"	%	ASTM D 2863	19
Flame retardancy"	-	UL stand 94	94HB
(1/6mm thickness)			
Heat resistance, Vicat, method B	°C	ASTM D 1525	210-215
Thermal conductivity	Whm²C	ASTM C177	0.19
Mould shrinkage flow	%	ASTM D1299	0.4-0.6
Cross flow direction	%	ASTM D1299	0.6-0.8
PHYSICAL			
Water absorption	-	ASTM D 570	-
24 hrs. 23°C	%	-	0.06

THE RAW MATERIALS AND CHEMICAL CHARACTERISTICS OF THE RBI THERMOPLASTIC HOUSINGS AND COVERS

CHEMICAL MEDIA	°C	IMMULSION% DAYS	% RETENTION OF STRENGTH
ACIDS			
10% hydrochloric acid	23	30	89
	23	90	85
	23	180	82
10% sulfuric	23	30	97
	23	90	94
	23	180	90
36% sulfuric (battery)	23	30	97
	23	180	96
	66	30	84
	66	180	35
10% acetic	23	30	89
	23	180	88
BASES			
5% potassium hydroxide	23	30	83
	23	90	10
10% sodium hydroxide	23	30	2
	23	180	-
10% ammonium hydroxide	23	30	90
	23	90	87
	23	180	58
ORGANIC SOLVENTS			
Ethyl alcohol	23	30	99
	23	180	94
Methyl alcohol	23	30	91
	23	180	76
Isopropyl-alcohol	23	30	100
	23	180	100
Isopropyl-alcohol & water (50:50)	23	30	93
	23	180	96
Turpentine	23	180	92
	23	30	66
Acetone	23	180	63
	23	30	90

STAINLESS STEEL INSERTS & BALL BEARINGS



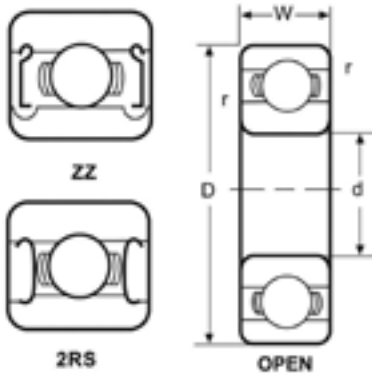
SUC STAINLESS STEEL INSERTS

BEARING NO.	Product Specs (dimensions in mm)							
	d	D	Bi	Be	n	m	G	Set Screw Size
SUC204-12	3/4	47	31	17	12.7	18.3	5	1/4-28
SUC204	20	47	31	17	12.7	18.3	5	M6X0.75
SUC205-14	7/8	52	34.1	17	14.3	19.8	5	1/4-28
SUC205-16	1	52	34.1	17	14.3	19.8	5	1/4-28
SUC205	25	52	34.1	17	14.3	19.8	5	M6X0.75
SUC206-19	1-3/16	62	38.1	19	15.9	22.2	5	1/4-28
SUC206-20	1-1/4	62	38.1	19	15.9	22.2	5	1/4-28
SUC206	30	62	38.1	19	15.9	22.2	5	M6X0.75
SUC207-20	1-1/4	72	42.9	20	17.5	25.4	6	5/16/2024
SUC207-22	1-3/8	72	42.9	20	17.5	25.4	6	5/16/2024

BEARING NO.	Product Specs (dimensions in mm)							
	d	D	Bi	Be	n	m	G	Set Screw Size
SUC207-23	1-7/16	72	42.9	20	17.5	25.4	6	5/16/2024
SUC207	35	72	42.9	20	17.5	25.4	6	M8X1
SUC208-24	1-1/2	80	49.2	21	19	30.2	8	5/16-24
SUC208	40	80	49.2	21	19	30.2	8	M8X1
SUC209-27	1-11/16	85	49.2	22	19	30.2	8	5/16-24
SUC209-28	1-3/4	85	49.2	22	19	30.2	8	5/16-24
SUC209	45	85	49.2	22	19	30.2	8	M8X1
SUC210-31	1-15/16	90	51.6	24	19	32.6	10	3/8-24
SUC210-32	2	90	51.6	24	19	32.6	10	3/8-24
SUC210	50	90	51.6	24	19	32.6	10	M10X1.25

STAINLESS STEEL BALL BEARING SS6000 SERIES

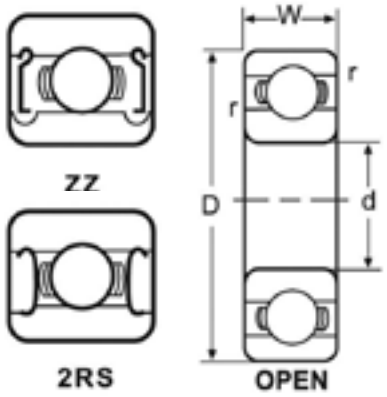
BEARING NO.	BORE d		OUTER DIAMETER D		WIDTH W	
	mm	in	mm	in	mm	in
SS6000	10	.3937	26	1.0236	8	.3150
SS6001	12	.4724	28	1.1024	8	.3150
SS6002	15	.5906	32	1.2598	9	.3543
SS6003	17	.6693	35	1.3780	10	.3937
SS6004	20	.7874	42	1.6535	12	.4724
SS6005	25	.9843	47	1.8504	12	.4724
SS6006	30	1.1811	55	2.1654	13	.5118
SS6007	35	1.3780	62	2.4409	14	.5512
SS6008	40	1.5748	68	2.6772	15	.5906
SS6009	45	1.7717	75	2.9528	16	.6299
SS6010	50	1.9685	80	3.1496	16	.6299



CALL 1-800-708-2128 TO ORDER.

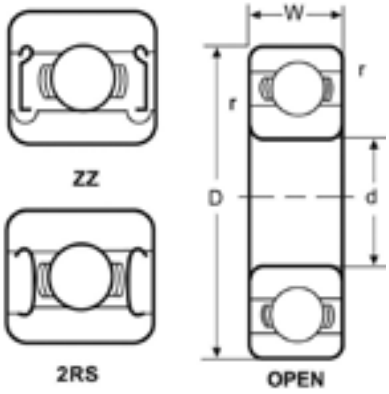
STAINLESS STEEL BALL BEARING SS6200 SERIES

BEARING NO.	BORE d		OUTER DIAMETER D		WIDTH W	
	mm	in	mm	in	mm	in
SS6200	10	.3937	30	1.1811	9	.3543
SS6201	12	.4724	32	1.2598	10	.3937
SS6202	15	.5906	35	1.3780	11	.4331
SS6203	17	.6693	40	1.5748	12	.4724
SS6204	20	.7874	47	1.8504	14	.5512
SS6205	25	.9843	52	2.0472	15	.5906
SS6206	30	1.1811	62	2.4409	16	.6299
SS6207	35	1.3780	72	2.8346	17	.6693
SS6208	40	1.5748	80	3.1496	18	.7087
SS6209	45	1.7717	85	3.3465	19	.7480
SS6210	50	1.9685	90	3.5433	20	.7874



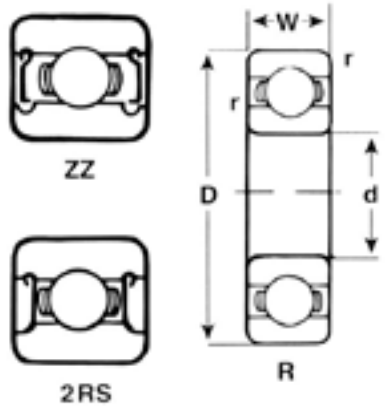
STAINLESS STEEL BALL BEARING SS6300 SERIES

BEARING NO.	BORE d		OUTER DIAMETER D		WIDTH W	
	mm	in	mm	in	mm	in
SS6300	10	.3937	35	1.3780	11	.4331
SS6301	12	.4724	37	1.4567	12	.4724
SS6302	15	.5906	42	1.6535	13	.5118
SS6303	17	.6693	47	1.8504	14	.5512
SS6304	20	.7874	52	2.0472	15	.5906
SS6305	25	.9843	62	2.4409	17	.6693
SS6306	30	1.1811	72	2.8346	19	.7480
SS6307	35	1.3780	80	3.1496	21	.8268
SS6308	40	1.5748	90	3.5433	23	.9055
SS6309	45	1.7717	100	3.9370	25	.9843
SS6310	50	1.9685	110	4.3307	27	1.0630



STAINLESS STEEL BALL BEARING SSR SERIES

BEARING NO.	BORE d		OUTER DIAMETER D		WIDTH W (in)			
	FRACTION	in	FRACTION	in	OPEN	SHIELDED	OPEN	SHIELDED
SSR2	1/8	.1250	3/8	.3750	.1562	.1562	.1875	.1875
SSR3	3/16	.1875	1/2	.5000	.1562	.1960	.2272	.2272
SSR3A	3/16	.1875	1/2	.5000	.1960	.1960	-	-
SSR4	1/4	.2500	5/8	.6250	.1960	.1960	.2272	.2272
SSR6	3/8	.3750	7/8	.8750	.2188	.2812	-	-
SSR8	1/2	.5000	1-1/8	1.1250	.2500	.3125	-	-
SSR10	5/8	.6250	1-3/8	1.3750	.2812	.3438	-	-
SSR12	3/4	.7500	1-5/8	1.6250	.3125	.4375	-	-
SSR14	7/8	.8750	1-7/8	1.8750	.3750	.5000	-	-
SSR16	1	1.0000	2	2.0000	.3750	.5000	-	-
SSR18	1-1/8	1.1250	2-1/8	2.1250	.3750	.5000	-	-
SSR20	1-1/4	1.2500	2-1/4	2.2500	.3750	.5000	-	-
SSR22	1-3/8	1.3750	2-1/2	2.5000	.4375	.5625	-	-
SSR24	1-1/2	1.5000	2-5/8	2.6250	.4375	.5626	-	-



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