

*Marathon[®] Series
Corrosion Resistant
Mounted Products and
Bearing Units*

*Composite Series
Standard Duty*



*HD_i Series
Heavy Duty Cast Iron*



*XD_s Series
Extreme Duty Cast Stainless*



Contents

Introduction	1
Composite Units	6
Stainless Steel Take-Up Frames	20
ZMaRC®-Coated Cast Iron Units	22
Cast Stainless Steel Units	26
ZMaRC-Coated Insert Bearings	30
Stainless Steel Insert Bearings	31
High Temp and Submersible Units	32
Made-To-Order Products	35
Nomenclature	36
Picker Hub Applications	37
Stainless Steel Ball Bearings	38
Tolerances and Dimensional Data	39
Assembly Instructions	40
Comparison Charts	42



Marathon® Series Corrosion-Resistant Mounted Products and Bearing Units

Few industries challenge bearings with a harsher operating environment than the food and beverage industries. Perhaps no industry works as hard to meet regulations governing contamination. When MRC® introduced the Marathon® Series Composite Mounted Bearing Units, it was possibly the best solution to the problems associated with bearing failures.

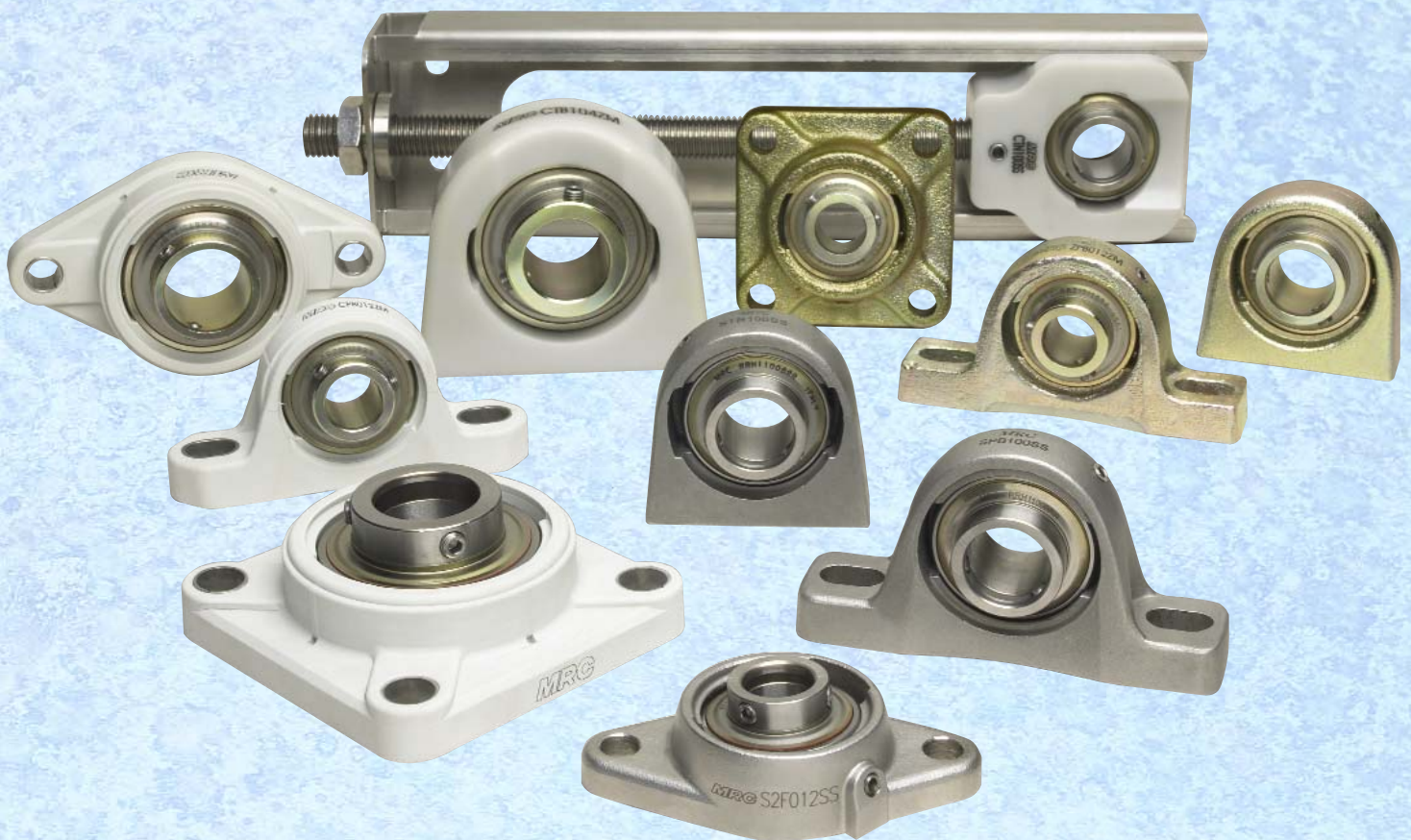
Now the composite units are joined by our **HD_i**—heavy-duty cast iron—and **XD_s**—extreme-duty cast stainless steel—to more thoroughly meet the needs of the industry.

The HD_i Series was developed to provide corrosion resistance together with the strength of cast iron but eliminate the problem of flaking nickel plating. These units consist of a ZMaRC® coated cast iron housing in combination with a ZMaRC coated insert bearing and are priced competitively with other nickel-plated versions. (See page 3 for more details.)

For extremely challenging applications, MRC offers the XD_s Series, with top-of-the-line corrosion resistance and the greatest housing strength available within the Marathon line. These housings utilize an AISI 300 series cast stainless steel housing together with MRC's proven stainless steel insert bearing. (See page 4 for more details.)

The entire maintenance-free Marathon Series is built to resist corrosion and is designed for extended service life.

At the heart of the units are high-quality, corrosion-resistant insert bearings, available with MRC's ZMaRC coating or with stainless steel construction. The units' multifunction low-friction, rubber seals are bonded to AISI 304 stainless steel for superior corrosion resistance, and sealed-for-life lubricants are USDA approved.



A Composite Housing with Integrated Performance Features



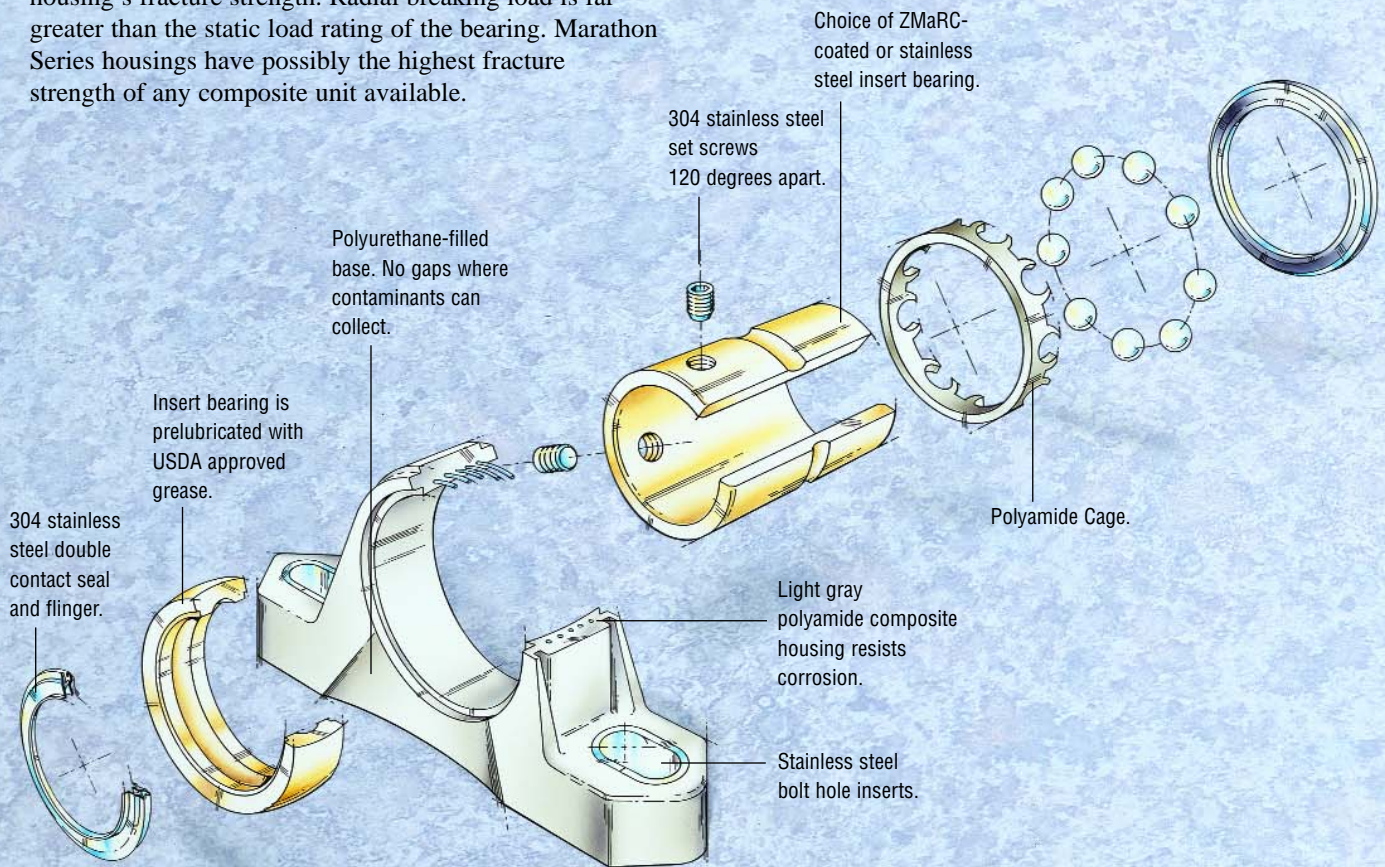
The Marathon Series' composite housing resists citric acids, cooking fats and most chemicals used in food and beverage processing. It is constructed of a thermoplastic composite material that can be up to 61% lighter than cast iron housings. Its spherical bore accommodates the insert bearing's spherical outer surface, enabling the unit to fully compensate for initial bearing seating misalignment.

Plus, the housing is loaded with design and performance advantages:

- Steel coils embedded in the housing contribute to the housing's fracture strength. Radial breaking load is far greater than the static load rating of the bearing. Marathon Series housings have possibly the highest fracture strength of any composite unit available.

- A polyurethane-filled housing base enables the unit to meet flush with its mounting surface. Flush surface-to-surface mounting eliminates gaps—potential areas for contaminants to collect.
- 300 Series stainless steel bolt hole inserts provide added strength to each housing foot and prevent corrosion.
- Marathon Series units are available in the following housing designs to meet the needs of most food and beverage processing applications:

- pillow blocks
- two- or four-bolt flange
- tapped base
- three-bolt bracket flange
- narrow and wide slot take-up
- low backing height pillow block
- low profile two- and three-bolt flange
- four-bolt piloted flange
- hanger



NEW! ZMaRC® Coated Cast Iron Units with ZMaRC coated Insert Bearings

MRC's newest solution to the unique needs of the food processing industry is **Marathon HD_i**—a new corrosion-resistant, heavy-duty cast iron series of bearing units.

The cast iron housings, protected with MRC's proven ZMaRC coating, eliminate the flaking problems associated with nickel-plated products. The housings are matched with our ZMaRC-plated, lubed-for-life, quality insert bearings.

The HD_i series provides a number of cost-saving and performance benefits. As with all Marathon products, MRC's patented two-part stainless steel seals allow the units to operate in heavy washdown environments without regreasing. And since there is no need for relubrication, continuous grease purge is never a problem.

Advantages of the HD_i Series:

- Complete ZMaRC coating on all housing surfaces for long-term corrosion resistance.
- ZMaRC coating will not flake off.
- Housings and bearings are resistant to the majority of common washdown solutions.
- HD_i units require no relubrication, even in a washdown environment—saving time and money—while providing a cleaner-running unit.
- Open spaces on bases and backs of ZMaRC-coated housings are filled with polyurethane, eliminating areas

where moisture and product can collect, resulting in a more sanitary housing design.

- All HD_i units are factory lubed-for-life with USDA approved H1 grease.
- Two-part sealing for maximum protection

Like all Marathon bearing units, Marathon HD_i units contain an AISI 304 stainless steel inner seal and outer seal. These components work in tandem to form an extremely effective sealing system. (See page 5 for more details.)

The added strength and durability of the Marathon HD_i housings make them particularly well suited for applications in red meat, pork and poultry processing facilities where both housing strength and corrosion resistance are a concern.

The HD_i Series is available in the following housing designs:

- pillow blocks
- two- or four-bolt flange
- tapped base



Extreme Duty Cast Stainless Steel Mounted Units

Composite housing units are suitable for many food and beverage industry applications. However, there are extremely challenging applications that require an even more durable unit—the XD_s line of Marathon units. These housings are AISI 300 series cast stainless steel with MRC's proven stainless steel insert bearings.



The cast stainless housings are the strongest housings offered in the Marathon family. For any application where loads are very heavy or where shock loads are possible, the extra strength and toughness of the stainless steel housings are a benefit. Also, in applications where failure of the housing could result in injury, such as in cases where workers pass below a portion of a machine, the safety factor inherent in the cast steel housing is desirable.

Exposure to extremely aggressive washdown chemicals is another reason to choose these stainless units. While composite and plated housings are resistant to most of the chemicals in use today, they can be susceptible to some strong concentrations of chlorine, hydrogen peroxide and other chemicals. The cast stainless housings, made of an AISI 300 series stainless material, are not affected by those same chemicals.

The XD_s cast stainless housings were designed from the ground up for use in food and beverage applications. The bases are cast flat with no recesses to trap debris and bacteria, and the exposed surfaces of the housings have no unnecessary crevices or pockets. Consideration was given to surface roughness as well. The XD_s units' smooth cast surfaces minimize the material trapped on the surface allowing a more thorough cleaning.

Like the other members of the Marathon family, the XD_s series incorporates the proven insert bearing design and patented sealing arrangement (see page 5), and are also greased for life and maintenance free.

Marathon XD_s is MRC's top of the line unit. Whether

the application involves heavy loads, aggressive chemicals or intolerance to bacteria buildup, the XD_s units are up to the challenge.

Housing styles available include:

- pillow block
- two- and four-bolt flange
- tapped base

MRC XD_s Extreme Duty Machined Stainless Steel Mounted Units

MRC can also offer additional housing styles in machined stainless steel. These units also utilize AISI 300 series stainless steel but, rather than using a cast housing, these units are machined from solid stainless plate. Due to this manufacturing difference, these housings offer even better surface roughness since all surfaces are machined.

These are especially suited for applications where surface roughness is critical, such as instances where chronic bacterial problems have existed. As with the cast housings, there are no unnecessary recesses or cavities to trap debris.

Just like the cast stainless units, MRC's excellent stainless steel insert bearings are used.

In addition to the styles listed above, are available in housing styles:

- three-bolt bracket flange
- wide and narrow slot take-up units
- compact two- and three-bolt flange
- piloted flange units

All machined housings are available through the MRC MTO (Made To Order) program.



Choose from ZMaRC-coated...

The Marathon Series is designed to withstand food processing environments. The unit's high quality insert bearing is available with MRC's proprietary ZMaRC coating on the inner and outer rings. ZMaRC resists frequent wash downs with water and with acidic and caustic solutions far better than conventional insert bearings and conventional coatings, such as black oxide. In food and beverage applications, that means greater protection against rust, greater protection against contaminant-related bearing failure and greater assurance that your equipment will pass USDA inspections.



...or Stainless Steel Insert Bearings



If you prefer stainless steel, MRC will supply the Marathon Series with AISI 420 C stainless inner and outer rings and balls.

Both ZMaRC-coated and stainless steel insert bearings come in bore sizes ranging from $\frac{3}{4}$ " to $1\frac{1}{2}$ ", and 20 mm to 40 mm. ZMaRC is also available in $1\frac{5}{16}$ ". The insert bearing's stainless steel set screws, positioned 120 degrees apart, minimize inner ring distortion while maintaining good gripping strength.

A Stainless Steel Sealing Arrangement Double-guards Against Contaminants

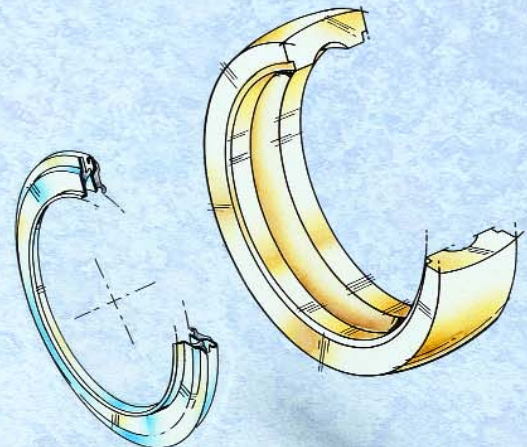
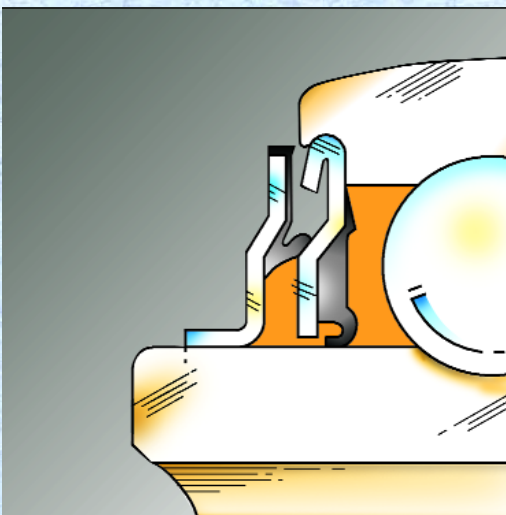
A double-protection seal keeps Marathon Series Mounted Bearing Units running contaminant free. The sealing arrangement consists of a double-lip, AISI 304 stainless steel insert seal, an AISI 304 stainless steel flinger and a rubber-backed seal gasket. The flinger and seal's low-friction rubber lips, with optimized axial contact, form a double barrier against pollutants and wash downs. The seal gasket prevents contaminants from migrating around the seal insert's O.D. The flinger adds mechanical and centrifugal protection against contaminant entry. The space between the insert seal and flinger is filled with USDA Food Grade grease for even greater sealing efficiency.

USDA-approved Grease

Marathon Series Composite Mounted Bearing Units are prelubricated-for-life with USDA H1-approved grease. The high quality synthetic grease is odorless and tasteless, leaving foodstuffs unaffected by lubricant contact. It is approved for use in all food processing industries, including meat, fish, poultry and fruit processing equipment. And it resists washout, even during frequent washdowns with hot and cold water, and with disinfectant solutions.

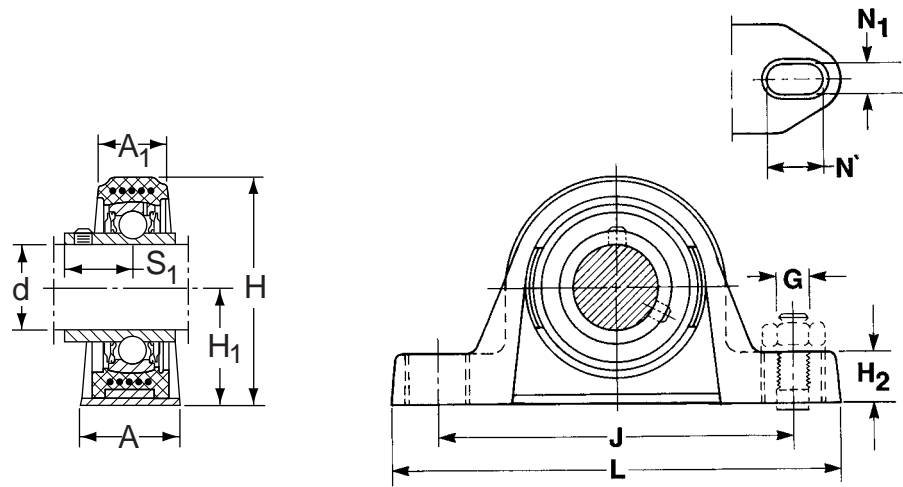
Other Marathon Mounted Bearing Unit grease benefits:

- Excellent internal and external bearing corrosion protection.
- High aging resistance for extended lubricant life.
- High load carrying capacity, which helps prevent premature bearing wear.



CPB Composite Pillow Block Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CPB012ZM	$\frac{1}{4}$ 32	$\frac{53}{64}$ 21	$2\frac{1}{2}$ 64	$1\frac{5}{16}$ 33.3	$\frac{5}{8}$ 16	$3\frac{19}{32}$ 91.5	4 101.5	$4\frac{31}{32}$ 126	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{3}{32}$ 18.3	0.53 0.24	2 860 12 700	1 470 6 550
$\frac{15}{16}$	CPB015ZM	$\frac{1}{4}$ 32	$\frac{7}{8}$ 22	$2\frac{25}{32}$ 70.5	$1\frac{1}{16}$ 36.5	$\frac{5}{8}$ 16	$3\frac{29}{32}$ 99.5	$4\frac{11}{32}$ 110.5	$5\frac{9}{32}$ 134	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{29}{32}$ 19.8	0.65 0.29	3 150 14 000	1 750 7 800
1	CPB100ZM	$\frac{1}{4}$ 32	$\frac{7}{8}$ 22	$2\frac{25}{32}$ 70.5	$1\frac{1}{16}$ 36.5	$\frac{5}{8}$ 16	$3\frac{29}{32}$ 99.5	$4\frac{11}{32}$ 110.5	$5\frac{9}{32}$ 134	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{29}{32}$ 19.8	0.62 0.28	3 150 14 000	1 750 7 800
1 $\frac{1}{8}$	CPB102ZM	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	$4\frac{1}{4}$ 108	$5\frac{3}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.10 0.50	4 380 19 500	2 520 11 200
1 $\frac{3}{16}$	CPB103ZM	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	$4\frac{1}{4}$ 108	$5\frac{3}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.04 0.47	4 380 19 500	2 520 11 200
1 $\frac{1}{4}$	CPB104ZMR	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	$4\frac{1}{4}$ 108	$5\frac{3}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.01 0.46	4 380 19 500	2 520 11 200
1 $\frac{1}{4}$	CPB104ZM	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{1}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	$5\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.57 0.71	5 730 25 500	3 440 15 300
1 $\frac{1}{16}$	CPB107ZM	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{1}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	$5\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.37 0.62	5 730 25 500	3 440 15 300
1 $\frac{1}{2}$	CPB108ZM	$1\frac{57}{64}$ 48	$1\frac{3}{16}$ 30	$3\frac{29}{32}$ 99	$1\frac{15}{16}$ 49.2	$2\frac{9}{32}$ 20	$5\frac{3}{64}$ 129	$5\frac{5}{8}$ 143	$6\frac{67}{64}$ 175	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{1}{16}$ 30	1.98 0.90	6 900 30 700	4 270 19 000
1 $\frac{15}{16}$	CPB115ZM ^{1,2}	$2\frac{1}{4}$ 57.2	$2\frac{1}{4}$ 57.2	$4\frac{5}{8}$ 117.5	$2\frac{1}{4}$ 57.2	$\frac{3}{4}$ 19.1	$5\frac{7}{8}$ 149.2	$6\frac{3}{4}$ 171.5	$8\frac{1}{8}$ 206.4	$1\frac{1}{16}$ 27	$2\frac{1}{32}$ 16.7	$\frac{5}{8}$ 16	$1\frac{1}{32}$ 32.6	2.95 1.34	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
20	CPB20ZM	$\frac{1}{4}$ 32	$\frac{53}{64}$ 21	$2\frac{1}{2}$ 64	$1\frac{5}{16}$ 33.3	$\frac{5}{8}$ 16	$3\frac{19}{32}$ 91.5	4 101.5	$4\frac{31}{32}$ 126	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{3}{32}$ 18.3	0.53 0.24	2 860 12 700	1 470 6 550
25	CPB25ZM	$\frac{1}{4}$ 32	$\frac{7}{8}$ 22	$2\frac{25}{32}$ 70.5	$1\frac{1}{16}$ 36.5	$\frac{5}{8}$ 16	$3\frac{29}{32}$ 99.5	$4\frac{11}{32}$ 110.5	$5\frac{9}{32}$ 134	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{29}{32}$ 19.8	0.64 0.29	3 150 14 000	1 750 7 800
30	CPB30ZM	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	$4\frac{1}{4}$ 108	$5\frac{3}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.08 0.49	4 380 19 500	2 520 11 200
35	CPB35ZM	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{1}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	$5\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.46 0.66	5 730 25 500	3 440 15 300
40	CPB40ZM	$1\frac{57}{64}$ 48	$1\frac{3}{16}$ 30	$3\frac{29}{32}$ 99	$1\frac{15}{16}$ 49.2	$2\frac{9}{32}$ 20	$5\frac{3}{64}$ 129	$5\frac{5}{8}$ 143	$6\frac{67}{64}$ 175	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{1}{16}$ 30	1.90 0.86	6 900 30 700	4 270 19 000



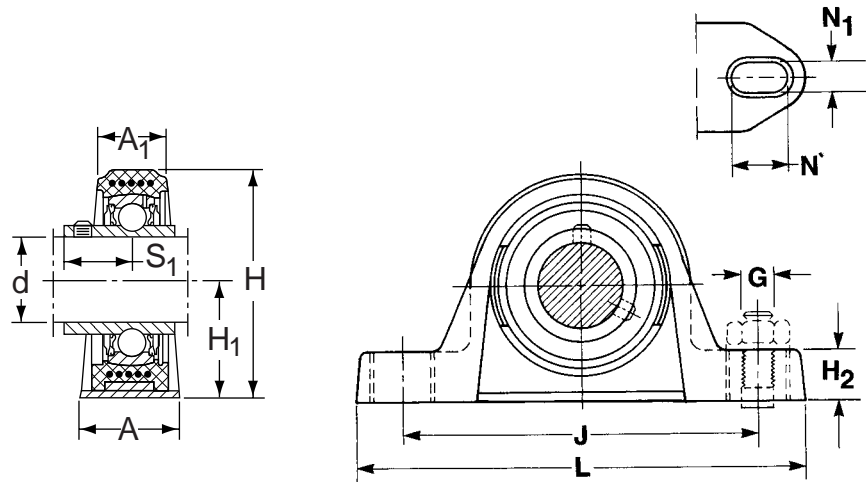
MRC Marathon Series Composite Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreaseable unit.

¹ Cast polymer housing. No steel coils.

² Check with MRC for availability

CPB Composite Pillow Block Units

Stainless Steel Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d in	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CPB012SS	$\frac{1}{4}$ 32	$\frac{5}{64}$ 21	$2\frac{1}{2}$ 64	$1\frac{5}{16}$ 33.3	$\frac{5}{8}$ 16	$3\frac{19}{32}$ 91.5	4 101.5	$4\frac{31}{32}$ 126	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{3}{32}$ 18.3	0.53 0.24	2 380 10 600	1 470 6 550
1	CPB100SS	$\frac{1}{4}$ 32	$\frac{7}{8}$ 22	$2\frac{29}{32}$ 70.5	$1\frac{7}{16}$ 36.5	$\frac{5}{8}$ 16	$3\frac{29}{32}$ 99.5	$4\frac{11}{32}$ 110.5	$5\frac{9}{32}$ 134	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{5}{32}$ 19.8	0.62 0.28	2 520 11 200	1 750 7 800
$1\frac{1}{16}$	CPB103SS	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	4 $\frac{1}{4}$ 108	$5\frac{5}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.04 0.47	3 510 15 600	2 520 11 200
$1\frac{1}{4}$	CPB104SSR	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	4 $\frac{1}{4}$ 108	$5\frac{5}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.04 0.47	3 510 15 600	2 520 11 200
$1\frac{1}{4}$	CPB104SS	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{7}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	5 $\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.57 0.71	4 560 20 300	3 440 15 300
$1\frac{3}{8}$	CPB106SS	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{7}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	5 $\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.44 0.65	4 560 20 300	3 440 15 300
$1\frac{1}{16}$	CPB107SS	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{7}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	5 $\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.37 0.62	4 560 20 300	3 440 15 300
$1\frac{1}{2}$	CPB108SS	$1\frac{57}{64}$ 48	$1\frac{3}{16}$ 30	$3\frac{29}{32}$ 99	$1\frac{15}{16}$ 49.2	$2\frac{5}{32}$ 20	$5\frac{5}{64}$ 129	5 $\frac{5}{8}$ 143	$6\frac{57}{64}$ 175	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{1}{16}$ 30	1.98 0.90	5 550 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
20	CPB20SS	$\frac{1}{4}$ 32	$\frac{5}{64}$ 21	$2\frac{1}{2}$ 64	$1\frac{5}{16}$ 33.3	$\frac{5}{8}$ 16	$3\frac{19}{32}$ 91.5	4 101.5	$4\frac{31}{32}$ 126	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{3}{32}$ 18.3	0.53 0.24	2 380 10 600	1 470 6 550
25	CPB25SS	$\frac{1}{4}$ 32	$\frac{7}{8}$ 22	$2\frac{29}{32}$ 70.5	$1\frac{7}{16}$ 36.5	$\frac{5}{8}$ 16	$3\frac{29}{32}$ 99.5	$4\frac{11}{32}$ 110.5	$5\frac{9}{32}$ 134	$2\frac{1}{32}$ 17	$2\frac{9}{64}$ 11.5	$\frac{3}{8}$ 10	$2\frac{5}{32}$ 19.8	0.64 0.29	2 520 11 200	1 750 7 800
30	CPB30SS	$1\frac{37}{64}$ 40	$\frac{63}{64}$ 25	$3\frac{15}{64}$ 82	$1\frac{11}{16}$ 42.9	$\frac{3}{4}$ 19	4 $\frac{1}{4}$ 108	$5\frac{5}{64}$ 128	$6\frac{1}{4}$ 159	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$\frac{7}{8}$ 22.2	1.08 0.49	3 510 15 600	2 520 11 200
35	CPB35SS	$1\frac{49}{64}$ 45	$1\frac{1}{16}$ 27	$3\frac{21}{32}$ 93	$1\frac{7}{8}$ 47.6	$\frac{3}{4}$ 19	$4\frac{11}{16}$ 119	5 $\frac{1}{4}$ 133	$6\frac{15}{32}$ 164	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	1 25.4	1.46 0.66	4 560 20 300	3 440 15 300
40	CPB40SS	$1\frac{57}{64}$ 48	$1\frac{3}{16}$ 30	$3\frac{29}{32}$ 99	$1\frac{15}{16}$ 49.2	$2\frac{5}{32}$ 20	$5\frac{5}{64}$ 129	5 $\frac{5}{8}$ 143	$6\frac{57}{64}$ 175	$\frac{53}{64}$ 21	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{1}{16}$ 30	1.90 0.86	5 550 24 700	4 270 19 000

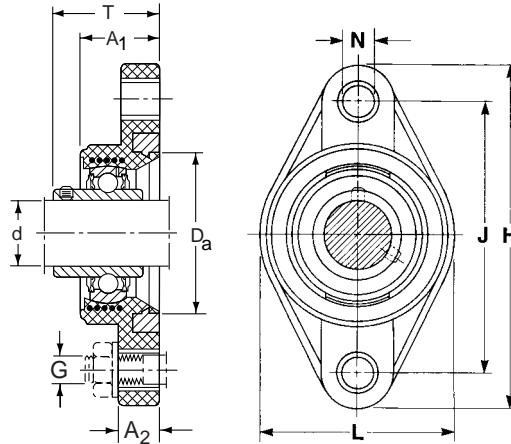


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C2F Composite Two-Bolt Flange Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
												Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	C2F012ZM	$\frac{1}{32}$ 29.5	$\frac{19}{32}$ 15	2 50.8	$4\frac{13}{32}$ 112	$3\frac{17}{32}$ 90	$2\frac{7}{8}$ 60.5	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.53 0.24	2 860 12 700	1 470 6 550
$\frac{15}{16}$	C2F015ZM	$\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{2}$ 63.5	$4\frac{7}{8}$ 124	$3\frac{29}{32}$ 99	$2\frac{3}{4}$ 70	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.67 0.30	3 150 14 000	1 750 7 800
1	C2F100ZM	$\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{2}$ 63.5	$4\frac{7}{8}$ 124	$3\frac{29}{32}$ 99	$2\frac{3}{4}$ 70	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.62 0.28	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	C2F102ZM	$\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{59}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.99 0.45	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	C2F103ZM	$\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{59}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.93 0.42	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	C2F104ZMR	$\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{59}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.88 0.40	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	C2F104ZM	$\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{7}{8}$ 156	$5\frac{5}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.46 0.66	5 730 25 500	3 440 15 300
$1\frac{7}{16}$	C2F107ZM	$\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{7}{8}$ 156	$5\frac{5}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.28 0.58	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	C2F108ZM ¹	$\frac{1}{4}$ 31.8	$\frac{3}{16}$ 14.3	$3\frac{1}{2}$ 88.9	$6\frac{29}{32}$ 172.2	$5\frac{21}{32}$ 143.7	$4\frac{9}{16}$ 115.9	$\frac{17}{32}$ 13.5	$\frac{1}{2}$ 12	$2\frac{1}{32}$ 51.66	1.90 0.86	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	C2F115ZM ²	$\frac{1}{4}$ 31.8	$\frac{5}{8}$ 15.9	4 101.6	$7\frac{7}{16}$ 185.7	$6\frac{3}{16}$ 157.2	$5\frac{1}{16}$ 128.6	$\frac{17}{32}$ 13.5	$\frac{1}{2}$ 12	$2\frac{7}{8}$ 54	2.25 1.02	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
												Dynamic C lbf N	Static C ₀ lbf N
20	C2F20ZM	$\frac{1}{32}$ 29.5	$\frac{19}{32}$ 15	2 50.8	$4\frac{13}{32}$ 112	$3\frac{17}{32}$ 90	$2\frac{7}{8}$ 60.5	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.53 0.24	2 860 12 700	1 470 6 550
25	C2F25ZM	$\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{2}$ 63.5	$4\frac{7}{8}$ 124	$3\frac{29}{32}$ 99	$2\frac{3}{4}$ 70	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.64 0.29	3 150 14 000	1 750 7 800
30	C2F30ZM	$\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{59}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.97 0.44	4 380 19 500	2 520 11 200
35	C2F35ZM	$\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{7}{8}$ 156	$5\frac{5}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.35 0.61	5 730 25 500	3 440 15 300
40	C2F40ZM ¹	$\frac{1}{4}$ 31.8	$\frac{3}{16}$ 14.3	$3\frac{1}{2}$ 88.9	$6\frac{29}{32}$ 172.2	$5\frac{21}{32}$ 143.7	$4\frac{9}{16}$ 115.9	$\frac{17}{32}$ 13.5	$\frac{1}{2}$ 12	$2\frac{1}{32}$ 51.7	1.90 0.86	6 900 30 700	4 270 19 000



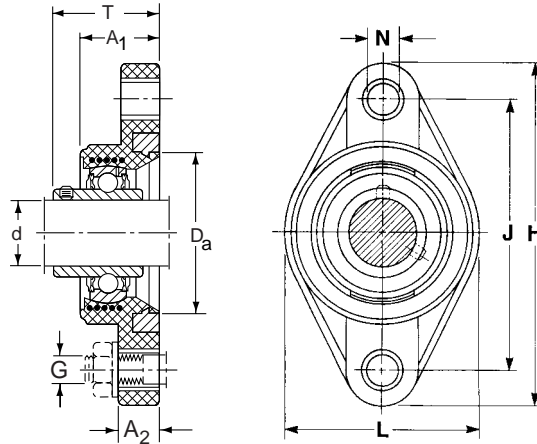
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¹ Cast polymer housing, no steel coils.

² Check with MRC for availability

C2F Composite Two-Bolt Flange Units

Stainless Steel Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
												Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	C2F012SS	$1\frac{5}{32}$ 29.5	$\frac{19}{32}$ 15	2 50.8	$4\frac{13}{32}$ 112	$3\frac{17}{32}$ 90	$2\frac{3}{8}$ 60.5	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.53 0.24	2 380 10 600	1 470 6 550
1	C2F100SS	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{2}$ 63.5	$4\frac{1}{8}$ 124	$3\frac{29}{32}$ 99	$2\frac{3}{4}$ 70	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.62 0.28	2 520 11 200	1 750 7 800
$1\frac{1}{16}$	C2F103SS	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{39}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.93 0.42	3 510 15 600	2 520 11 200
$1\frac{1}{4}$	C2F104SSR	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{39}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.93 0.42	3 510 15 600	2 520 11 200
$1\frac{1}{4}$	C2F104SS	$1\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{1}{8}$ 156	$5\frac{1}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{59}{64}$ 46.4	1.46 0.66	4 560 20 300	3 440 15 300
$1\frac{3}{8}$	C2F106SS	$1\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{1}{8}$ 156	$5\frac{1}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{59}{64}$ 46.4	1.35 0.61	4 560 20 300	3 440 15 300
$1\frac{7}{16}$	C2F107SS	$1\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{1}{8}$ 156	$5\frac{1}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{59}{64}$ 46.4	1.28 0.58	4 560 20 300	3 440 15 300
$1\frac{1}{2}$	C2F108SS ¹	$1\frac{1}{4}$ 31.8	$\frac{9}{16}$ 14.3	$3\frac{1}{2}$ 88.9	$6\frac{25}{32}$ 172.2	$5\frac{21}{32}$ 143.7	$4\frac{9}{16}$ 115.9	$\frac{17}{32}$ 13.5	$\frac{1}{2}$ 12	$2\frac{1}{32}$ 51.7	1.90 0.86	5 550 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
												Dynamic C lbf N	Static C ₀ lbf N
20	C2F20SS	$1\frac{5}{32}$ 29.5	$\frac{19}{32}$ 15	2 50.8	$4\frac{13}{32}$ 112	$3\frac{17}{32}$ 90	$2\frac{3}{8}$ 60.5	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.53 0.24	2 380 10 600	1 470 6 550
25	C2F25SS	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{2}$ 63.5	$4\frac{1}{8}$ 124	$3\frac{29}{32}$ 99	$2\frac{3}{4}$ 70	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.64 0.29	2 520 11 200	1 750 7 800
30	C2F30SS	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	3 76.2	$5\frac{39}{64}$ 142.5	$4\frac{19}{32}$ 116.5	$3\frac{17}{64}$ 83	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.97 0.44	3 510 15 600	2 520 11 200
35	C2F35SS	$1\frac{1}{8}$ 35	$\frac{21}{32}$ 17	$3\frac{1}{2}$ 88.9	$6\frac{1}{8}$ 156	$5\frac{1}{8}$ 130	$3\frac{25}{32}$ 96	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{59}{64}$ 46.4	1.35 0.61	4 560 20 300	3 440 15 300
40	C2F40SS ¹	$1\frac{1}{4}$ 31.8	$\frac{9}{16}$ 14.3	$3\frac{1}{2}$ 88.9	$6\frac{25}{32}$ 172.2	$5\frac{21}{32}$ 143.7	$4\frac{9}{16}$ 115.9	$\frac{17}{32}$ 13.5	$\frac{1}{2}$ 12	$2\frac{1}{32}$ 51.7	1.90 0.86	5 550 24 700	4 270 19 000



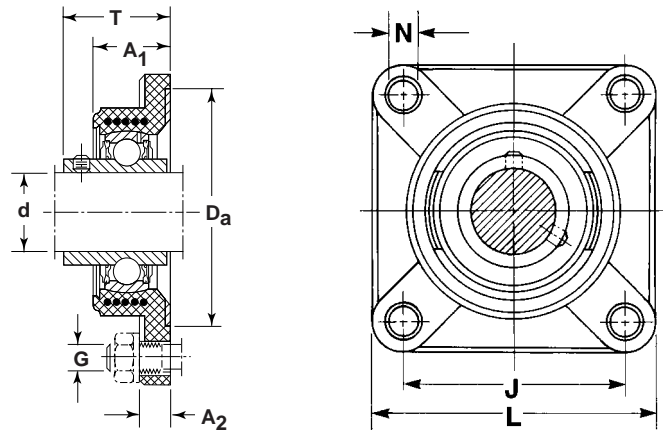
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C4F Composite Four-Bolt Flange Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	C4F012ZM	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{16}$ 68.5	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 86	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.57 0.26	2 860 12 700	1 470 6 550
$\frac{15}{16}$	C4F015ZM	$1\frac{1}{32}$ 31	$\frac{19}{32}$ 15	$2\frac{15}{16}$ 74.6	$2\frac{3}{4}$ 70	$3\frac{3}{4}$ 95	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.76 0.34	3 150 14 000	1 750 7 800
1	C4F100ZM	$1\frac{1}{32}$ 31	$\frac{19}{32}$ 15	$2\frac{15}{16}$ 74.6	$2\frac{3}{4}$ 70	$3\frac{3}{4}$ 95	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.71 0.32	3 150 14 000	1 750 7 800
1$\frac{1}{8}$	C4F102ZM	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{1}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	1.07 0.49	4 380 19 500	2 520 11 200
1$\frac{3}{16}$	C4F103ZM	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{1}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	1.01 0.46	4 380 19 500	2 520 11 200
1$\frac{1}{4}$	C4F104ZMR	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{1}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	0.97 0.44	4 380 19 500	2 520 11 200
1$\frac{1}{4}$	C4F104ZM	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{5}{8}$ 92	$4\frac{5}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.57 0.71	5 730 25 500	3 440 15 300
1$\frac{7}{16}$	C4F107ZM	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{5}{8}$ 92	$4\frac{5}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.37 0.62	5 730 25 500	3 440 15 300
1$\frac{1}{2}$	C4F108ZM	$1\frac{7}{32}$ 39	$\frac{21}{32}$ 17	$4\frac{9}{16}$ 115.9	4 101.5	$5\frac{1}{8}$ 130	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$2\frac{3}{64}$ 54.2	1.98 0.90	6 900 30 700	4 270 19 000
1$\frac{15}{16}$	C4F115ZM^{1,2}	1$\frac{1}{4}$ 31.8	$\frac{5}{8}$ 15.9	$4\frac{15}{16}$ 125.4	$4\frac{3}{8}$ 111.1	$5\frac{1}{2}$ 139.7	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	2$\frac{1}{8}$ 54.0	2.45 1.21	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
20	C4F20ZM	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{16}$ 68.5	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 86	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.57 0.26	2 860 12 700	1 470 6 550
25	C4F25ZM	$1\frac{1}{32}$ 31	$\frac{19}{32}$ 15	$2\frac{15}{16}$ 74.6	$2\frac{3}{4}$ 70	$3\frac{3}{4}$ 95	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.73 0.33	3 150 14 000	1 750 7 800
30	C4F30ZM	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{1}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	1.06 0.48	4 380 19 500	2 520 11 200
35	C4F35ZM	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{5}{8}$ 92	$4\frac{5}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.46 0.66	5 730 25 500	3 440 15 300
40	C4F40ZM	$1\frac{7}{32}$ 39	$\frac{21}{32}$ 17	$4\frac{9}{16}$ 115.9	4 101.5	$5\frac{1}{8}$ 130	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$2\frac{3}{64}$ 54.2	1.92 0.87	6 900 30 700	4 270 19 000



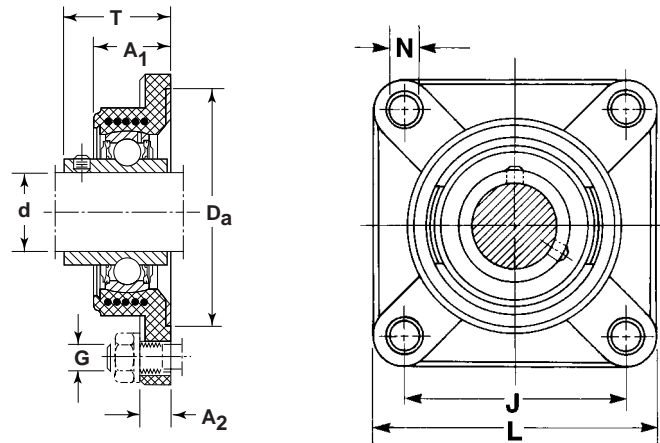
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¹ Cast polymer housing. No steel coil

² Check with MRC for availability

C4F Composite Four-Bolt Flange Units

Stainless Steel Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	C4F012SS	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{16}$ 68.3	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 86	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.57 0.26	2 380 10 600	1 470 6 550
1	C4F100SS	$1\frac{1}{32}$ 31	$\frac{19}{32}$ 15	$2\frac{19}{16}$ 74.6	$2\frac{1}{4}$ 70	$3\frac{3}{4}$ 95	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.71 0.32	2 520 11 200	1 750 7 800
$1\frac{3}{16}$	C4F103SS	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{11}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	1.01 0.46	3 510 15 600	2 520 11 200
$1\frac{1}{4}$	C4F104SSR	$1\frac{1}{16}$ 27	$\frac{1}{2}$ 12.7	$3\frac{11}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{15}{32}$ 11.9	$\frac{7}{16}$ 11.1	$1\frac{43}{64}$ 42.5	1.40 0.63	4 560 20 300	3 440 15 300
$1\frac{1}{4}$	C4F104SS	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{3}{8}$ 92	$4\frac{3}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.57 0.71	4 560 20 300	3 440 15 300
$1\frac{3}{8}$	C4F106SS	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{3}{8}$ 92	$4\frac{3}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.46 0.66	4 560 20 300	3 440 15 300
$1\frac{1}{16}$	C4F107SS	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{5}{8}$ 92	$4\frac{5}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.37 0.62	4 560 20 300	3 440 15 300
$1\frac{1}{2}$	C4F108SS	$1\frac{17}{32}$ 39	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 115.9	4 101.5	$5\frac{1}{8}$ 130	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$2\frac{9}{64}$ 54.2	1.98 0.90	5 550 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	D _a in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
20	C4F20SS	$1\frac{1}{16}$ 30	$\frac{19}{32}$ 15	$2\frac{1}{16}$ 68.3	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 86	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{15}{32}$ 37.3	0.57 0.26	2 380 10 600	1 470 6 550
25	C4F25SS	$1\frac{1}{32}$ 31	$\frac{19}{32}$ 15	$2\frac{19}{16}$ 74.6	$2\frac{1}{4}$ 70	$3\frac{3}{4}$ 95	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{17}{32}$ 38.8	0.73 0.33	2 520 11 200	1 750 7 800
30	C4F30SS	$1\frac{1}{32}$ 33	$\frac{19}{32}$ 15	$3\frac{11}{16}$ 93.7	$3\frac{3}{4}$ 82.5	$4\frac{1}{4}$ 108	$\frac{29}{64}$ 11.5	$\frac{3}{8}$ 10	$1\frac{21}{32}$ 42.2	1.06 0.48	3 510 15 600	2 520 11 200
35	C4F35SS	$1\frac{3}{8}$ 35	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 106.4	$3\frac{3}{8}$ 92	$4\frac{3}{8}$ 118	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$1\frac{53}{64}$ 46.4	1.46 0.66	4 560 20 300	3 440 15 300
40	C4F40SS	$1\frac{17}{32}$ 39	$\frac{21}{32}$ 17	$4\frac{3}{16}$ 115.9	4 101.5	$5\frac{1}{8}$ 130	$\frac{35}{64}$ 14	$\frac{1}{2}$ 12	$2\frac{9}{64}$ 54.2	1.92 0.87	5 550 24 700	4 270 19 000

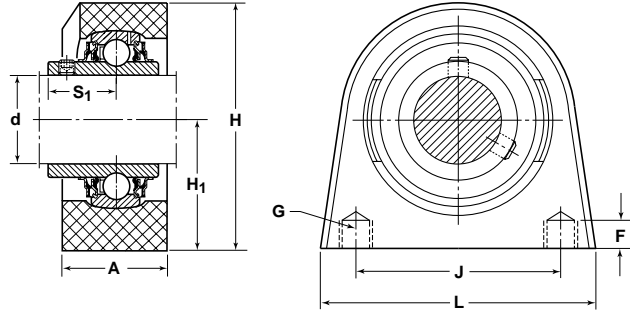


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CTB Composite Tapped-Base Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Tapped-Base Unit Designation										Basic Radial Load Rating	
		A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC threads	S ₁ in mm	Weight lb kg	Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CTB012ZM	$\frac{1}{16}$ 36.5	$\frac{25}{8}$ 66.7	$\frac{1}{16}$ 33.3	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{23}{32}$ 18.3	0.51 0.23	2 860 12 700	1 470 6 550
$\frac{15}{16}$	CTB015ZM	$\frac{1}{16}$ 36.5	$\frac{215}{16}$ 74.6	$\frac{1}{16}$ 36.5	2 50.8	$\frac{3}{4}$ 82.5	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{25}{32}$ 19.8	0.72 0.32	3 150 14 000	1 750 7 800
1	CTB100ZM	$\frac{1}{16}$ 36.5	$\frac{215}{16}$ 74.6	$\frac{1}{16}$ 36.5	2 50.8	$\frac{3}{4}$ 82.5	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{25}{32}$ 19.8	0.67 0.30	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	CTB102ZM	$\frac{1}{8}$ 41.3	$\frac{3}{8}$ 85.7	$\frac{11}{16}$ 42.9	3 76.2	$\frac{4}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.06 0.48	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	CTB103ZM	$\frac{1}{8}$ 41.3	$\frac{3}{8}$ 85.7	$\frac{11}{16}$ 42.9	3 76.2	$\frac{4}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.00 0.45	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTB104ZMR	$\frac{1}{8}$ 41.3	$\frac{3}{8}$ 85.7	$\frac{11}{16}$ 42.9	3 76.2	$\frac{4}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.00 0.45	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTB104ZM	$\frac{1}{4}$ 44.5	$\frac{3}{8}$ 98.4	$\frac{1}{8}$ 47.6	$\frac{3}{4}$ 82.6	$\frac{4}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
$1\frac{7}{16}$	CTB107ZM	$\frac{1}{4}$ 44.5	$\frac{3}{8}$ 98.4	$\frac{1}{8}$ 47.6	$\frac{3}{4}$ 82.6	$\frac{4}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	CTB108ZM	$\frac{1}{8}$ 47.6	$\frac{4}{8}$ 104.8	$\frac{115}{16}$ 49.2	$\frac{3}{2}$ 88.9	$\frac{4}{4}$ 120.7	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	$\frac{13}{16}$ 30	2.00 0.91	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	CTB115ZM	$\frac{2}{8}$ 54	$\frac{4}{4}$ 120.7	$\frac{2}{4}$ 57.2	4 101.6	$\frac{5}{4}$ 146.1	$\frac{7}{8}$ 22.2	$\frac{5}{8}$ -11	$\frac{13}{32}$ 32.6	2.65 1.20	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm

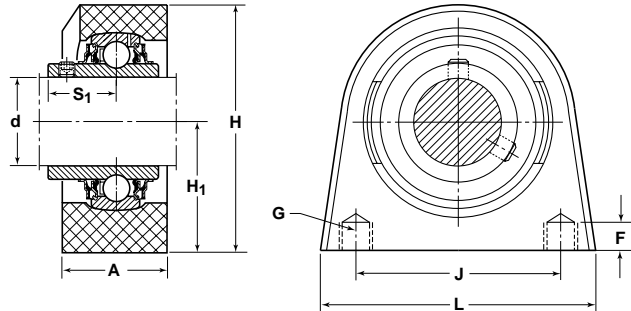
Shaft Dia d mm	Tapped-Base Unit Designation										Basic Radial Load Rating	
		A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC threads	S ₁ in mm	Weight lb kg	Dynamic C lbf N	Static C ₀ lbf N
20	CTB20ZM	$\frac{1}{16}$ 36.5	$\frac{25}{8}$ 66.7	$\frac{1}{16}$ 33.3	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{23}{32}$ 18.3	0.51 0.23	2 860 12 700	1 470 6 550
25	CTB25ZM	$\frac{1}{16}$ 36.5	$\frac{215}{16}$ 74.6	$\frac{1}{16}$ 36.5	2 50.8	$\frac{3}{4}$ 82.5	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{25}{32}$ 19.8	0.67 0.30	3 150 14 000	1 750 7 800
30	CTB30ZM	$\frac{1}{8}$ 41.3	$\frac{3}{8}$ 85.7	$\frac{11}{16}$ 42.9	3 76.2	$\frac{4}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.00 0.45	4 380 19 500	2 520 11 200
35	CTB35ZM	$\frac{1}{4}$ 44.5	$\frac{3}{8}$ 98.4	$\frac{1}{8}$ 47.6	$\frac{3}{4}$ 82.6	$\frac{4}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
40	CTB40ZM	$\frac{1}{8}$ 47.6	$\frac{4}{8}$ 104.8	$\frac{115}{16}$ 49.2	$\frac{3}{2}$ 88.9	$\frac{4}{4}$ 120.7	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	$\frac{13}{16}$ 30	2.00 0.91	6 900 30 700	4 270 19 000



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Cast polymer housing. No steel coils.

CTB Composite Tapped-Base Units

Stainless Steel Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d in	Tapped-Base Unit Designation	A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC threads	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CTB012SS	$\frac{1}{16}$ 36.5	$2\frac{5}{8}$ 66.7	$1\frac{5}{16}$ 33.3	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{23}{32}$ 18.3	0.51 0.23	2 380 10 600	1 470 6 550
1	CTB100SS	$\frac{1}{16}$ 36.5	$2\frac{15}{16}$ 74.6	$1\frac{1}{16}$ 36.5	2 50.8	$3\frac{1}{4}$ 82.5	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{25}{32}$ 19.8	0.67 0.30	2 520 11 200	1 750 7 800
$1\frac{3}{16}$	CTB103SS	$\frac{1}{8}$ 41.3	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	$4\frac{1}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.00 0.45	3 500 15 600	2 520 11 200
$1\frac{1}{4}$	CTB104SSR	$\frac{1}{8}$ 41.3	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	$4\frac{1}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	1 25.4	1.30 0.59	4 560 20 300	3 440 15 300
$1\frac{1}{4}$	CTB104SS	$\frac{1}{4}$ 44.5	$3\frac{7}{8}$ 98.4	$1\frac{7}{8}$ 47.6	$3\frac{1}{4}$ 82.6	$4\frac{1}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
$1\frac{3}{8}$	CTB106SS	$\frac{1}{4}$ 44.5	$3\frac{3}{8}$ 98.4	$1\frac{7}{8}$ 47.6	$3\frac{1}{4}$ 82.6	$4\frac{1}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
$1\frac{7}{16}$	CTB107SS	$\frac{1}{4}$ 44.5	$3\frac{3}{8}$ 98.4	$1\frac{7}{8}$ 47.6	$3\frac{1}{4}$ 82.6	$4\frac{1}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
$1\frac{1}{2}$	CTB108SS	$\frac{1}{8}$ 47.6	$4\frac{1}{8}$ 104.8	$1\frac{15}{16}$ 49.2	$3\frac{1}{2}$ 88.9	$4\frac{3}{4}$ 120.7	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	$1\frac{1}{16}$ 30	2.00 0.91	5 550 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm

Shaft Dia d mm	Tapped-Base Unit Designation	A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC threads	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
20	CTB20SS	$\frac{1}{16}$ 36.5	$2\frac{5}{8}$ 66.7	$1\frac{5}{16}$ 33.3	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{23}{32}$ 18.3	0.51 0.23	2 380 10 600	1 470 6 550
25	CTB25SS	$\frac{1}{16}$ 36.5	$2\frac{15}{16}$ 74.6	$1\frac{1}{16}$ 36.5	2 50.8	$3\frac{1}{4}$ 82.5	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16	$\frac{25}{32}$ 19.8	0.67 0.30	2 520 11 200	1 750 7 800
30	CTB30SS	$\frac{1}{8}$ 41.3	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	$4\frac{1}{4}$ 108.0	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14	$\frac{7}{8}$ 22.2	1.00 0.45	3 500 15 600	2 520 11 200
35	CTB35SS	$\frac{1}{4}$ 44.5	$3\frac{7}{8}$ 98.4	$1\frac{7}{8}$ 47.6	$3\frac{1}{4}$ 82.6	$4\frac{1}{2}$ 114.3	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
40	CTB40SS	$\frac{1}{8}$ 47.6	$4\frac{1}{8}$ 104.8	$1\frac{15}{16}$ 49.2	$3\frac{1}{2}$ 88.9	$4\frac{3}{4}$ 120.7	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13	$1\frac{1}{16}$ 30	2.00 0.91	5 550 24 700	4 270 19 000



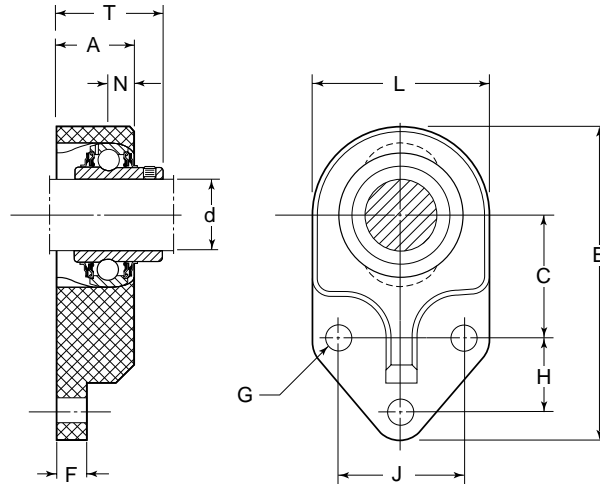
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Cast polymer housing. No steel coils.

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CBF Composite Three-Bolt Bracket Flange Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Flange Unit Designation	A in mm	F in mm	B in mm	C in mm	L in mm	H in mm	J in mm	N in mm	G in mm	T in mm	Bolt Size in	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CBF012ZM	$\frac{15}{16}$ 23.8	$\frac{7}{16}$ 11.1	$4\frac{11}{32}$ 110.3	$1\frac{11}{16}$ 42.9	$2\frac{1}{16}$ 65.1	$\frac{7}{8}$ 22.2	$1\frac{1}{2}$ 38.1	$\frac{11}{32}$ 8.7	$\frac{13}{32}$ 10.3	$\frac{11}{16}$ 33.3	$\frac{3}{8}$	0.51 0.23	2 860 12 700	1 470 6 550
$\frac{15}{16}$	CBF015ZM ²	1 25.4	$\frac{1}{2}$ 12.7	$4\frac{3}{4}$ 120.7	$1\frac{13}{16}$ 46.0	$2\frac{3}{4}$ 69.9	$1\frac{1}{8}$ 28.6	$1\frac{1}{8}$ 41.3	$\frac{11}{32}$ 8.7	$\frac{13}{32}$ 10.3	$\frac{11}{16}$ 36.5	$\frac{3}{8}$	0.75 0.34	3 150 14 000	1 750 7 800
1	CBF100ZM	1 25.4	$\frac{1}{2}$ 12.7	$4\frac{3}{4}$ 120.7	$1\frac{13}{16}$ 46.0	$2\frac{3}{4}$ 69.9	$1\frac{1}{8}$ 28.6	$1\frac{1}{8}$ 41.3	$\frac{11}{32}$ 8.7	$\frac{13}{32}$ 10.3	$\frac{11}{16}$ 36.5	$\frac{3}{8}$	0.70 0.32	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	CBF102ZM	$\frac{11}{16}$ 27.0	$\frac{1}{2}$ 12.7	$5\frac{1}{16}$ 138.1	$2\frac{1}{16}$ 52.4	$3\frac{3}{4}$ 82.6	$1\frac{1}{4}$ 31.8	$1\frac{1}{8}$ 47.6	$\frac{25}{64}$ 9.9	$\frac{13}{32}$ 10.3	$1\frac{35}{64}$ 39.3	$\frac{3}{8}$	1.10 0.50	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	CBF103ZM	$\frac{11}{16}$ 27.0	$\frac{1}{2}$ 12.7	$5\frac{1}{16}$ 138.1	$2\frac{1}{16}$ 52.4	$3\frac{3}{4}$ 82.6	$1\frac{1}{4}$ 31.8	$1\frac{1}{8}$ 47.6	$\frac{25}{64}$ 9.9	$\frac{13}{32}$ 10.3	$1\frac{35}{64}$ 39.3	$\frac{3}{8}$	1.00 0.45	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CBF104ZMR	$\frac{11}{16}$ 27.0	$\frac{1}{2}$ 12.7	$5\frac{1}{16}$ 138.1	$2\frac{1}{16}$ 52.4	$3\frac{3}{4}$ 82.6	$1\frac{1}{4}$ 31.8	$1\frac{1}{8}$ 47.6	$\frac{25}{64}$ 9.9	$\frac{13}{32}$ 10.3	$1\frac{35}{64}$ 39.3	$\frac{3}{8}$	1.00 0.45	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CBF104ZM	$\frac{11}{32}$ 31.0	$\frac{9}{16}$ 14.3	$6\frac{1}{16}$ 157.2	$2\frac{3}{8}$ 60.3	$3\frac{13}{16}$ 96.8	$1\frac{1}{4}$ 38.1	2 50.8	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$1\frac{13}{16}$ 46.0	$\frac{1}{2}$	1.50 0.68	5 730 25 500	3 440 15 300
$1\frac{1}{16}$	CBF107ZM	$\frac{11}{32}$ 31.0	$\frac{9}{16}$ 14.3	$6\frac{1}{16}$ 157.2	$2\frac{3}{8}$ 60.3	$3\frac{13}{16}$ 96.8	$1\frac{1}{4}$ 31.8	2 50.8	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$1\frac{13}{16}$ 46.0	$\frac{1}{2}$	1.34 0.61	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	CBF108ZM	$1\frac{1}{4}$ 31.8	$\frac{9}{16}$ 14.3	$6\frac{1}{16}$ 169.9	$2\frac{9}{16}$ 65.1	$4\frac{1}{4}$ 108.0	$1\frac{3}{8}$ 34.9	$2\frac{1}{4}$ 57.2	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$2\frac{1}{64}$ 51.4	$\frac{1}{2}$	1.90 0.86	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	CBF115ZM ²	$1\frac{1}{4}$ 31.8	$\frac{5}{8}$ 15.9	$7\frac{3}{8}$ 193.7	$2\frac{15}{16}$ 74.6	$4\frac{3}{8}$ 123.8	$1\frac{5}{8}$ 15.9	$2\frac{3}{4}$ 69.9	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$2\frac{1}{8}$ 54.0	$\frac{1}{2}$	2.25 1.02	7 890 35 100	5 220 23 200

For Metric Shafts 20 mm – 40 mm

Shaft Dia d mm	Flange Unit Designation	A in mm	F in mm	B in mm	C in mm	L in mm	H in mm	J in mm	N in mm	G in mm	T in mm	Bolt Size in	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
20	CBF20ZM	$\frac{15}{16}$ 23.8	$\frac{7}{16}$ 11.1	$4\frac{11}{32}$ 110.3	$1\frac{11}{16}$ 42.9	$2\frac{1}{16}$ 65.1	$\frac{7}{8}$ 22.2	$1\frac{1}{2}$ 38.1	$\frac{11}{32}$ 8.7	$\frac{13}{32}$ 10.3	$\frac{11}{16}$ 33.3	$\frac{3}{8}$	0.51 0.23	2 860 12 700	1 470 6 550
25	CBF25ZM	1 25.4	$\frac{1}{2}$ 12.7	$4\frac{3}{4}$ 120.7	$1\frac{13}{16}$ 46.0	$2\frac{3}{4}$ 69.9	$1\frac{1}{8}$ 28.6	$1\frac{1}{8}$ 41.3	$\frac{11}{32}$ 8.7	$\frac{13}{32}$ 10.3	$\frac{11}{16}$ 36.5	$\frac{3}{8}$	0.70 0.32	3 150 14 000	1 750 7 800
30	CBF30ZM	$\frac{11}{16}$ 27.0	$\frac{1}{2}$ 12.7	$5\frac{1}{16}$ 138.1	$2\frac{1}{16}$ 52.4	$3\frac{3}{4}$ 82.6	$1\frac{1}{4}$ 31.8	$1\frac{1}{8}$ 47.6	$\frac{25}{64}$ 9.9	$\frac{13}{32}$ 10.3	$1\frac{35}{64}$ 39.3	$\frac{3}{8}$	1.00 0.45	4 380 19 500	2 520 11 200
35	CBF35ZM	$\frac{11}{32}$ 31.0	$\frac{9}{16}$ 14.3	$6\frac{1}{16}$ 157.2	$2\frac{3}{8}$ 60.3	$3\frac{13}{16}$ 96.8	$1\frac{1}{4}$ 31.8	2 50.8	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$1\frac{13}{16}$ 46.0	$\frac{1}{2}$	1.34 0.61	5 730 25 500	3 440 15 300
40	CBF40ZM	$1\frac{1}{4}$ 31.8	$\frac{9}{16}$ 14.3	$6\frac{1}{16}$ 169.9	$2\frac{9}{16}$ 65.1	$4\frac{1}{4}$ 108.0	$1\frac{3}{8}$ 34.9	$2\frac{1}{4}$ 57.2	$\frac{13}{32}$ 10.4	$\frac{17}{32}$ 13.5	$2\frac{1}{64}$ 51.4	$\frac{1}{2}$	1.90 0.86	6 900 30 700	4 270 19 000



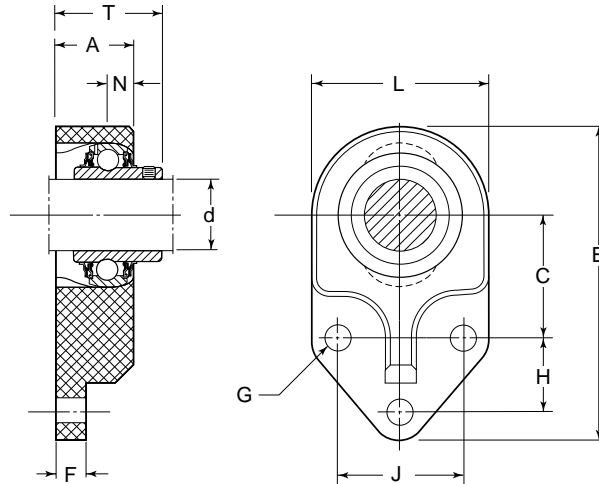
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Cast polymer housing. No steel coils.

² Check with MRC for availability

CBF Composite Three-Bolt Bracket Flange Units

Stainless Steel Insert Bearing



For Inch Shafts 3/4 – 1 1/2

Shaft Dia d in	Flange Unit Designation	A in mm	F in mm	B in mm	C in mm	L in mm	H in mm	J in mm	N in mm	G in mm	T in mm	Bolt Size in	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
3/4	CBF012SS	15/16 23.8	7/16 11.1	4 11/32 110.3	1 11/16 42.9	2 1/16 65.1	7/8 22.2	1 1/2 38.1	1 1/32 8.7	1 3/32 10.3	1 1/16 33.3	3/8	0.51 0.23	2 380 10 600	1 470 6 550
1	CBF100SS	1 25.4	1/2 12.7	4 3/4 120.7	1 13/16 46.0	2 3/4 69.9	1 1/8 28.6	1 1/8 41.3	1 1/32 8.7	1 3/32 10.3	1 1/16 36.5	3/8	0.70 0.32	2 520 11 200	1 750 7 800
1 3/16	CBF103SS	1 1/16 27.0	1/2 12.7	5 1/16 138.1	2 1/16 52.4	3 1/4 82.6	1 1/4 31.8	1 7/8 47.6	25/64 9.9	1 3/32 10.3	1 35/64 39.3	3/8	1.00 0.45	3 510 15 600	2 520 11 200
1 1/4	CBF104SSR	1 1/16 27.0	1/2 12.7	5 1/16 138.1	2 1/16 52.4	3 3/4 82.6	1 1/4 31.8	1 7/8 47.6	25/64 9.9	1 3/32 10.3	1 43/64 42.5	3/8	1.30 0.59	4 560 20 300	3 440 15 300
1 1/4	CBF104SS	1 1/32 31.0	9/16 14.3	6 1/16 157.2	2 3/8 60.3	3 13/16 96.8	1 1/4 31.8	2 50.8	1 3/32 10.4	1 7/32 13.5	1 13/16 46.0	1/2	1.50 0.68	4 560 20 300	3 440 15 300
1 3/8	CBF106SS	1 1/32 31.0	9/16 14.3	6 3/16 157.2	2 3/8 60.3	3 13/16 96.8	1 1/4 31.8	2 50.8	1 3/32 10.4	1 7/32 13.5	1 13/16 46.0	1/2	1.40 0.63	4 560 20 300	3 440 15 300
1 7/16	CBF107SS	1 1/32 31.0	9/16 14.3	6 3/16 157.2	2 3/8 60.3	3 13/16 96.8	1 1/4 31.8	2 50.8	1 3/32 10.4	1 7/32 13.5	1 13/16 46.0	1/2	1.34 0.61	4 560 20 300	3 440 15 300
1 1/2	CBF108SS	1 1/4 31.8	9/16 14.3	6 11/16 169.9	2 3/16 65.1	4 1/4 108.0	1 3/8 34.9	2 1/4 57.2	1 3/32 10.4	1 7/32 13.5	2 1/64 51.4	1/2	1.90 0.86	5 550 24 700	4 270 19 000

For Metric Shafts 20 mm – 40 mm

Shaft Dia d mm	Flange Unit Designation	A in mm	F in mm	B in mm	C in mm	L in mm	H in mm	J in mm	N in mm	G in mm	T in mm	Bolt Size in	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
20	CBF20SS	15/16 23.8	7/16 11.1	4 11/32 110.3	1 11/16 42.9	2 1/16 65.1	7/8 22.2	1 1/2 38.1	1 1/32 8.7	1 3/32 10.3	1 1/16 33.3	3/8	0.51 0.23	2 380 10 600	1 470 6 550
25	CBF25SS	1 25.4	1/2 12.7	4 3/4 120.7	1 13/16 46.0	2 3/4 69.9	1 1/8 28.6	1 1/8 41.3	1 1/32 8.7	1 3/32 10.3	1 1/16 36.5	3/8	0.70 0.32	2 520 11 200	1 750 7 800
30	CBF30SS	1 1/16 27.0	1/2 12.7	5 1/16 138.1	2 1/16 52.4	3 1/4 82.6	1 1/4 31.8	1 7/8 47.6	25/64 9.9	1 3/32 10.3	1 35/64 39.3	3/8	1.00 0.45	3 510 15 600	2 520 11 200
35	CBF35SS	1 1/32 31.0	9/16 14.3	6 1/16 157.2	2 3/8 60.3	3 13/16 96.8	1 1/4 31.8	2 50.8	1 3/32 10.4	1 7/32 13.5	1 13/16 46.0	1/2	1.34 0.61	4 560 20 300	3 440 15 300
40	CBF40SS	1 1/4 31.8	9/16 14.3	6 11/16 169.9	2 3/16 65.1	4 1/4 108.0	1 3/8 34.9	2 1/4 57.2	1 3/32 10.4	1 7/32 13.5	2 1/64 51.4	1/2	1.90 0.86	5 550 24 700	4 270 19 000



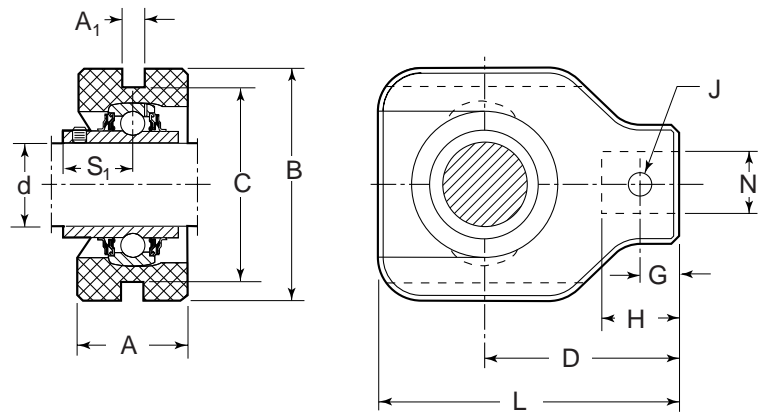
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Cast polymer housing. No steel coils.

Visit www.mrcbearingservices.com to download CAD drawings of MRC bearings

CTN Composite Narrow Slot Take-Up Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	PIN DIA J in mm	N in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CTN012ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 79.4	$2\frac{5}{8}$ 66.7	$3\frac{7}{16}$ 87.3	$2\frac{3}{16}$ 55.5	$\frac{7}{8}$ 22.2	$\frac{7}{16}$ 11.1	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{25}{32}$ 18.3	0.70 0.32	2 860 12 700	1 470 6 550
$\frac{15}{16}$	CTN015ZM ²	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 79.4	$2\frac{5}{8}$ 66.7	$3\frac{9}{16}$ 90.5	$2\frac{3}{16}$ 55.5	$\frac{7}{8}$ 22.2	$\frac{7}{16}$ 11.1	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{25}{32}$ 19.8	0.75 0.34	3 150 14 000	1 750 7 800
1	CTN100ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 79.4	$2\frac{5}{8}$ 66.7	$3\frac{11}{16}$ 90.5	$2\frac{3}{16}$ 55.5	$\frac{7}{8}$ 22.2	$\frac{7}{16}$ 11.1	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{25}{32}$ 19.8	0.70 0.32	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	CTN102ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{16}$ 109.5	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.20 0.54	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	CTN103ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{16}$ 109.5	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.10 0.50	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTN104ZMR	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{5}{16}$ 109.5	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.10 0.50	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTN104ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{2}$ 114.3	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
$1\frac{1}{16}$	CTN107ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{2}$ 114.3	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	CTN108ZM	$1\frac{1}{8}$ 41.3	$4\frac{3}{4}$ 120.7	4 101.6	5 136.5	$3\frac{3}{4}$ 82.6	$1\frac{1}{2}$ 29.4	$2\frac{1}{2}$ 16.7	$\frac{5}{16}$ 7.9	$\frac{3}{8}$ 9.5	$\frac{25}{32}$ 19.8	$1\frac{1}{16}$ 30	2.30 1.00	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	CTN115ZM	$1\frac{1}{8}$ 41.3	$4\frac{3}{4}$ 120.7	4 101.6	$5\frac{1}{2}$ 139.7	$3\frac{3}{4}$ 82.6	$1\frac{1}{2}$ 29.4	$2\frac{1}{2}$ 16.7	$\frac{5}{16}$ 7.9	$\frac{3}{8}$ 9.5	$\frac{29}{32}$ 23.0	$1\frac{1}{32}$ 32.6	2.55 1.16	7 890 35 100	5 220 23 200

For Metric Shafts 20 mm – 40 mm

Shaft Dia d mm	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	PIN DIA J in mm	N in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
20	CTN20ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 79.4	$2\frac{5}{8}$ 66.7	$3\frac{7}{16}$ 87.3	$2\frac{3}{16}$ 55.5	$\frac{7}{8}$ 22.2	$\frac{7}{16}$ 11.1	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{25}{32}$ 18.3	0.70 0.32	2 860 12 700	1 470 6 550
25	CTN25ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 79.4	$2\frac{5}{8}$ 66.7	$3\frac{9}{16}$ 90.5	$2\frac{3}{16}$ 55.5	$\frac{7}{8}$ 22.2	$\frac{7}{16}$ 11.1	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{25}{32}$ 19.8	0.70 0.32	3 150 14 000	1 750 7 800
30	CTN30ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{16}$ 109.5	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.10 0.50	4 380 19 500	2 520 11 200
35	CTN35ZM	$1\frac{1}{8}$ 34.9	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{1}{2}$ 114.3	$2\frac{11}{16}$ 68.3	1 25.4	$\frac{1}{2}$ 12.7	$\frac{1}{4}$ 6.4	$\frac{5}{16}$ 7.9	$\frac{25}{32}$ 19.8	1 25.4	1.60 0.73	5 730 25 500	3 440 15 300
40	CTN40ZM	$1\frac{1}{8}$ 41.3	$4\frac{3}{4}$ 120.7	4 101.6	5 136.5	$3\frac{3}{4}$ 82.6	$1\frac{1}{2}$ 29.4	$2\frac{1}{2}$ 16.7	$\frac{5}{16}$ 7.9	$\frac{3}{8}$ 9.5	$\frac{25}{32}$ 19.8	$1\frac{1}{16}$ 30.0	2.30 1.00	6 900 30 700	4 270 19 000



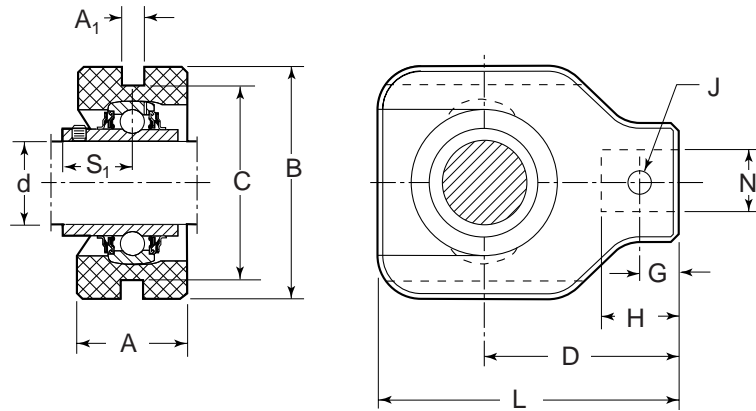
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Cast polymer housing. No steel coils.

² Check with MRC for availability

CTN Composite Narrow Slot Take-Up Units

Stainless Steel Insert Bearing



For Inch Shafts 3/4 – 1 1/2

Shaft Dia d in	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	PIN DIA			Weight lb kg	Basic Radial Load Rating	
										J in mm	N in mm	S ₁ in mm		Dynamic C lbf N	Static C ₀ lbf N
3/4	CTN012SS	1 1/8 34.9	3 1/8 79.4	2 5/8 66.7	3 7/16 87.3	2 3/16 55.5	7/8 22.2	7/16 11.1	1/4 6.4	5/16 7.9	25/32 19.8	23/32 18.3	0.70 0.32	2 380 10 600	1 470 6 550
1	CTN100SS	1 1/8 34.9	3 1/8 79.4	2 5/8 66.7	3 3/16 90.5	2 3/16 55.5	7/8 22.2	7/16 11.1	1/4 6.4	5/16 7.9	25/32 19.8	25/32 19.8	0.70 0.32	2 520 11 200	1 750 7 800
1 3/16	CTN103SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 5/16 109.5	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	7/8 22.2	1.10 0.50	3 510 15 600	2 520 11 200
1 1/4	CTN104SSR	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 5/16 109.5	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	1 25.4	1.40 0.63	4 560 20 300	3 440 15 300
1 1/4	CTN104SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 1/2 114.3	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	7/8 22.2	1.60 0.73	4 560 20 300	3 440 15 300
1 3/8	CTN106SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 1/2 114.3	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
1 1/16	CTN107SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 1/2 114.3	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
1 1/2	CTN108SS	1 3/8 41.3	4 3/4 120.7	4 101.6	5 5/8 136.5	3 1/4 82.6	1 1/2 29.4	2 1/2 16.7	5/16 7.9	3/8 9.5	25/32 19.8	1 1/16 30.0	2.30 1.00	5 550 24 700	4 270 19 000

For Metric Shafts 20 mm – 40 mm

Shaft Dia d mm	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	PIN DIA			Weight lb kg	Basic Radial Load Rating	
										J in mm	N in mm	S ₁ in mm		Dynamic C lbf N	Static C ₀ lbf N
20	CTN20SS	1 1/8 34.9	3 1/8 79.4	2 5/8 66.7	3 7/16 87.3	2 3/16 55.5	7/8 22.2	7/16 11.1	1/4 6.4	5/16 7.9	25/32 19.8	23/32 18.3	0.70 0.32	2 380 10 600	1 470 6 550
25	CTN25SS	1 3/8 34.9	3 1/8 79.4	2 5/8 66.7	3 3/16 90.5	2 3/16 55.5	7/8 22.2	7/16 11.1	1/4 6.4	5/16 7.9	25/32 19.8	25/32 19.8	0.70 0.32	2 520 11 200	1 750 7 800
30	CTN30SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 5/16 109.5	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	7/8 22.2	1.10 0.50	3 510 15 600	2 520 11 200
35	CTN35SS	1 3/8 34.9	4 1/8 104.8	3 1/2 88.9	4 1/2 114.3	2 11/16 68.3	1 25.4	1/2 12.7	1/4 6.4	5/16 7.9	25/32 19.8	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
40	CTN40SS	1 3/8 41.3	4 3/4 120.7	4 101.6	5 5/8 136.5	3 1/4 82.6	1 1/2 29.4	2 1/2 16.7	5/16 7.9	3/8 9.5	25/32 19.8	1 1/16 30.0	2.30 1.00	5 550 24 700	4 270 19 000



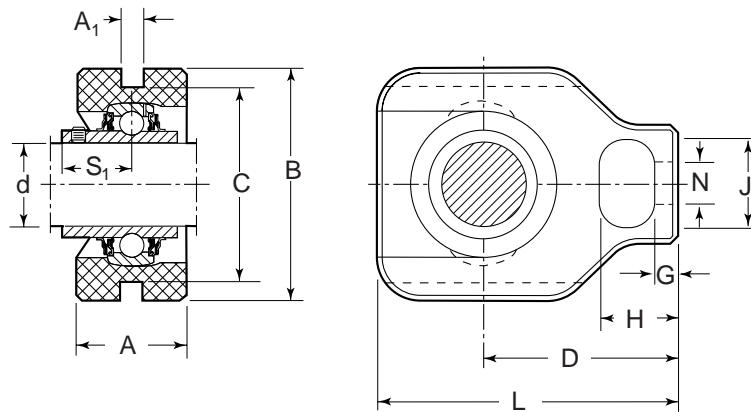
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Cast polymer housing. No steel coils.

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CTW Composite Wide Slot Take-Up Units

ZMaRC-Coated Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	J in mm	N in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	CTW012ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{1}{16}$ 93.7	$2\frac{3}{8}$ 60.3	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$2\frac{1}{32}$ 16.7	$2\frac{3}{32}$ 18.3	0.81 0.37	2 860 12 700	1 470 6 500
$\frac{15}{16}$	CTW015ZM ²	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{13}{16}$ 96.8	$2\frac{1}{16}$ 61.9	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$2\frac{1}{32}$ 16.7	$2\frac{5}{32}$ 19.8	0.92 0.41	3 150 14 000	1 750 7 800
1	CTW100ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{13}{16}$ 96.8	$2\frac{1}{16}$ 61.9	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$2\frac{1}{32}$ 16.7	$2\frac{5}{32}$ 19.8	0.87 0.39	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	CTW102ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.10 0.50	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	CTW103ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.40 0.64	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTW104ZMR	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	1 25.4	1.40 0.64	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	CTW104ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	1 25.4	1.70 0.77	5 730 25 500	3 440 15 300
$1\frac{1}{16}$	CTW107ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	1 25.4	1.50 0.68	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	CTW108ZM	$1\frac{15}{16}$ 49.2	$4\frac{1}{2}$ 114.3	4 101.6	$5\frac{1}{2}$ 139.7	$3\frac{1}{16}$ 87.3	$1\frac{1}{2}$ 38.1	$\frac{9}{16}$ 14.3	$\frac{11}{16}$ 17.5	$1\frac{15}{16}$ 49.2	$1\frac{1}{16}$ 27.0	$1\frac{1}{16}$ 30.0	2.40 1.10	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	CTW115ZM	$1\frac{15}{16}$ 49.2	$4\frac{3}{4}$ 120.7	4 101.6	$5\frac{13}{16}$ 147.6	$3\frac{3}{16}$ 90.5	$1\frac{1}{2}$ 38.1	$\frac{9}{16}$ 14.3	$\frac{11}{16}$ 17.5	$1\frac{15}{16}$ 49.2	$1\frac{1}{16}$ 27.0	$1\frac{1}{32}$ 32.6	2.65 2.21	7 890 35 100	5 220 23 200

For Metric Shafts 20 mm – 40 mm

Shaft Dia d mm	Take-Up Unit Designation	A in mm	B in mm	C in mm	L in mm	D in mm	H in mm	G in mm	A ₁ in mm	J in mm	N in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
														Dynamic C lbf N	Static C ₀ lbf N
20	CTW20ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{1}{16}$ 93.7	$2\frac{3}{8}$ 60.3	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$2\frac{1}{32}$ 16.7	$2\frac{3}{32}$ 18.3	0.81 0.37	2 860 12 700	1 470 6 500
25	CTW25ZM	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{13}{16}$ 96.8	$2\frac{1}{16}$ 61.9	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$2\frac{1}{32}$ 16.7	$2\frac{5}{32}$ 19.8	0.87 0.39	3 150 14 000	1 750 7 800
30	CTW30ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.40 0.64	4 380 19 500	2 520 11 200
35	CTW35ZM	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$2\frac{5}{32}$ 19.8	1 25.4	1.50 0.68	5 730 25 500	3 440 15 300
40	CTW40ZM	$1\frac{15}{16}$ 49.2	$4\frac{1}{2}$ 114.3	4 101.6	$5\frac{1}{2}$ 139.7	$3\frac{1}{16}$ 87.3	$1\frac{1}{2}$ 38.1	$\frac{9}{16}$ 14.3	$\frac{11}{16}$ 17.5	$1\frac{15}{16}$ 49.2	$1\frac{1}{16}$ 27.0	$1\frac{1}{16}$ 30.0	2.40 1.10	6 900 30 700	4 270 19 000



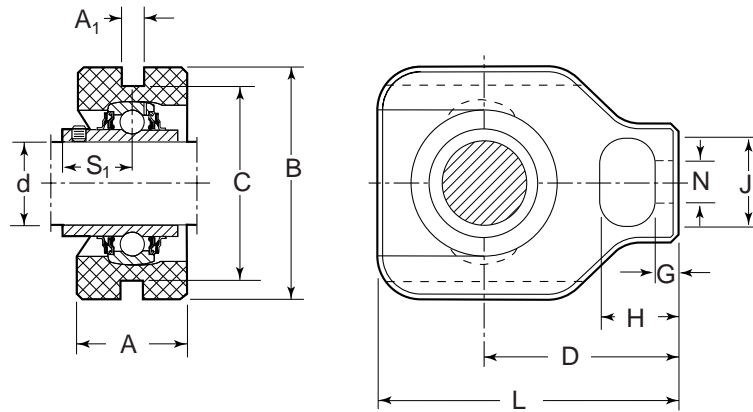
MRC Marathon Series Composite Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreasable unit.

Cast polymer housing. No steel coils.

² Check with MRC for availability

CTW Composite Wide Slot Take-Up Units

Stainless Steel Insert Bearing



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d	Take-Up Unit Designation	A	B	C	L	D	H	G	A ₁	J	N	S ₁	Weight	Basic Radial Load Rating	
														Dynamic C	Static C ₀
in		in	in	in	in	in	in	in	in	in	in	in	lb	lbf	lbf
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	N	N
$\frac{3}{4}$	CTW012SS	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{1}{16}$ 93.7	$2\frac{3}{8}$ 60.3	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$\frac{21}{32}$ 16.7	$\frac{23}{32}$ 18.3	0.81 0.37	2 380 10 600	1 470 6 500
1	CTW100SS	$1\frac{3}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{13}{16}$ 96.8	$2\frac{1}{8}$ 61.9	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$\frac{21}{32}$ 16.7	$\frac{25}{32}$ 19.8	0.87 0.39	2 520 11 200	1 750 7 800
$1\frac{3}{16}$	CTW103SS	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.40 0.64	3 510 15 600	2 250 11 200
$1\frac{1}{4}$	CTW104SSR	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	1 25.4	1.70 0.77	4 560 20 300	3 440 15 300
$1\frac{1}{4}$	CTW104SS	$1\frac{3}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{3}{8}$ 41.3	$\frac{25}{32}$ 19.8	1 25.4	1.70 0.77	4 560 20 300	3 440 15 300
$1\frac{3}{8}$	CTW106SS	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	1 25.4	1.60 0.73	4 560 20 300	3 440 15 300
$1\frac{7}{16}$	CTW107SS	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	1 25.4	1.50 0.68	4 560 20 300	3 440 15 300
$1\frac{1}{2}$	CTW108SS	$1\frac{1}{16}$ 49.2	$4\frac{1}{2}$ 114.3	4 101.6	$5\frac{1}{2}$ 139.7	$3\frac{3}{16}$ 87.3	$1\frac{1}{2}$ 38.1	$\frac{9}{16}$ 14.3	$\frac{11}{16}$ 17.5	$1\frac{1}{16}$ 49.2	$1\frac{1}{16}$ 27.0	$1\frac{1}{16}$ 30.0	2.40 1.10	5 550 24 700	4 270 19 000

For Metric Shafts 20 mm – 40 mm

Shaft Dia d	Take-Up Unit Designation	A	B	C	L	D	H	G	A ₁	J	N	S ₁	Weight	Basic Radial Load Rating	
														Dynamic C	Static C ₀
mm		in	in	in	in	in	in	in	in	in	in	in	lb	lbf	lbf
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	N	N
20	CTW20SS	$1\frac{1}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{1}{16}$ 93.7	$2\frac{3}{8}$ 60.3	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$\frac{21}{32}$ 16.7	$\frac{23}{32}$ 18.3	0.81 0.37	2 380 10 600	1 470 6 500
25	CTW25SS	$1\frac{3}{8}$ 34.9	$3\frac{3}{8}$ 92.1	3 76.2	$3\frac{13}{16}$ 96.8	$2\frac{1}{8}$ 61.9	$1\frac{1}{16}$ 27.0	$\frac{7}{16}$ 11.1	$\frac{17}{32}$ 13.5	$1\frac{1}{16}$ 36.5	$\frac{21}{32}$ 16.7	$\frac{25}{32}$ 19.8	0.87 0.39	2 520 11 200	1 750 7 800
30	CTW30SS	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{3}{8}$ 111.1	$2\frac{3}{4}$ 69.9	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	$\frac{7}{8}$ 22.2	1.40 0.64	3 510 15 600	2 250 11 200
35	CTW35SS	$1\frac{1}{8}$ 41.3	$4\frac{1}{8}$ 104.8	$3\frac{1}{2}$ 88.9	$4\frac{13}{16}$ 122.2	3 76.2	$1\frac{1}{32}$ 29.4	$\frac{3}{8}$ 9.5	$\frac{17}{32}$ 13.5	$1\frac{1}{8}$ 41.3	$\frac{25}{32}$ 19.8	1 25.4	1.50 0.68	4 560 20 300	3 440 15 300
40	CTW40SS	$1\frac{1}{16}$ 49.2	$4\frac{1}{2}$ 114.3	4 101.6	$5\frac{1}{2}$ 139.7	$3\frac{3}{16}$ 87.3	$1\frac{1}{2}$ 38.1	$\frac{9}{16}$ 14.3	$\frac{11}{16}$ 17.5	$1\frac{1}{16}$ 49.2	$1\frac{1}{16}$ 27.0	$1\frac{1}{16}$ 30.0	2.40 1.10	5 550 24 700	4 270 19 000



MRC Marathon Series Composite Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreasable unit.

Cast polymer housing. No steel coils.

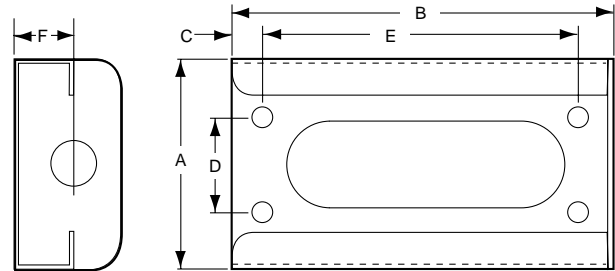
Visit www.mrcbearingservices.com to download CAD drawings of MRC bearings

Stainless Steel Take-up Frames

MRC take-up frames are constructed of 304 stainless steel and can be equipped with Marathon Series Composite Mounted Bearing Units. They are designed for conveyor systems used in meat, poultry, fruit, vegetable, beverage and other food industry operations.

Normally employed at the idler end of conveyor systems, take-up frames support conveyor shafts and act to produce the correct conveyor belt tension. Unlike many take-up frames fabricated on site from non-stainless materials, MRC stainless take-up frames feature sturdy single-piece construction and resist corrosion from frequent washdowns and harsh food industry chemicals.

MRC take-up frames mount securely to conveyor systems via four mounting bolts. The frames and take-up bearing units may be adapted to fit most existing conveyor configurations.



Narrow Slot Take-up Frame

Narrow Slot Stainless Steel Take-up Frames (all dimensions are in inches)

Part number	Travel	Frame size		Bolt pattern for 3/8" bolts			Shaft C/L distance	Frame accepts these shaft sizes:
		A	B	C	D	E	F	Bearing bore
TFN210SS 3	3		8			6½		
TFN210SS 6	6	3¾	11	.55	1¾	9	1 ²⁵ / ₆₄	¾", 20mm, 1", 25mm
TFN210SS 9	9		15			12½		
TFN308SS 3	3		9			7½		
TFN308SS 6	6	4 ⁴ / ₆₄	12	.55	2¾	10½	1 ²⁷ / ₃₂	1 ¹ / ₈ ", 30mm, 1¼",
TFN308SS 9	9		15			12½		1¾", 35mm, 1 ⁵ / ₈ "
TFN308SS 12	12		18			16½		
TFN400SS 3	3		10			8½		
TFN400SS 6	6		13			11½		
TFN400SS 9	9	5¼	16	.55	2¾	14½	1 ⁶³ / ₆₄	1½", 40mm, 1 ¹⁵ / ₁₆ "
TFN400SS 12	12		19			17½		
TFN400SS 18	18		25			23½		

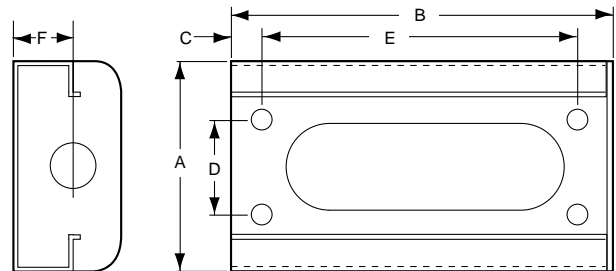
HACCP-Program Compatible

MRC stainless take-up frames help support the stringent sanitation requirements of Hazard Analysis Critical Control Point (HACCP) programs. In addition to being corrosion-resistant, the frames have no narrow gaps or crevices that can trap food contaminants. Also, openings in the side and bottom of MRC frames facilitate quick draining during washdowns.

Marathon Series Bearing Units

Marathon Series bearing units are available separately and may be mounted in MRC take-up frames. These units feature a lightweight thermoplastic housing that resists corrosion from water, citric acid, cleaning agents and most other food industry chemicals. The unit's double-protection sealing arrangement, consisting of an AISI 304 stainless steel insert seal and an AISI 304 stainless steel flinger, protects against both wet and dry contaminants. The units are lubricated for life with a USDA food-grade grease.

Marathon units are available with either a corrosion-resistant ZMaRC- coated insert bearing or a stainless steel bearing.



Wide Slot Take-up Frame

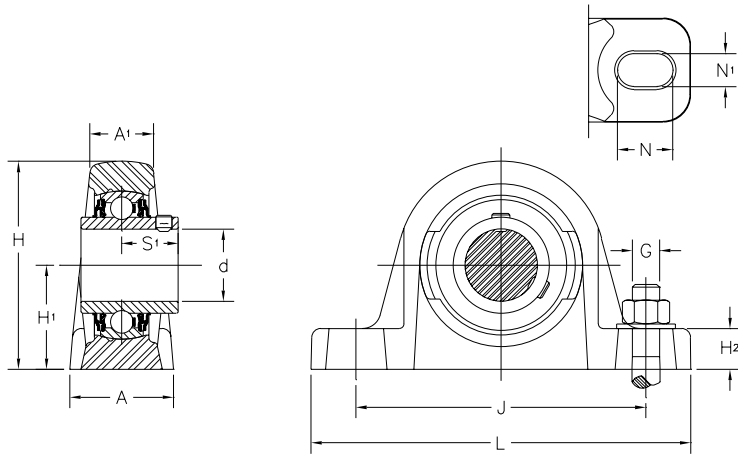
Wide Slot Stainless Steel Take-up Frames (all dimensions are in inches)

Part number	Travel	Frame size		Bolt pattern for 3/8" bolts			Shaft C/L distance	Frame accepts these shaft sizes:
		A	B	C	D	E	F	Bearing bore
TFW300SS 3	3		8			6½		
TFW300SS 6	6	4¼	11	.55	2¼	9½	1 ²⁵ / ₆₄	¾", 20mm, 1", 25mm
TFW300SS 9	9		14			12½		
TFW300SS 12	12		17			15½		
TFW308SS 3	3		9			7½		
TFW308SS 6	6		12			10½		
TFW308SS 9	9	4 ¹ / ₆₄	15	.55	2¼	12½	1 ²⁷ / ₃₂	1 ¹ / ₁₆ ", 30mm, 1¼",
TFW308SS 12	12		18			16½		1¾", 35mm, 1 ¹ / ₁₆ "
TFW308SS 18	18		24			22½		
TFW400SS 3	3		10			8½		
TFW400SS 6	6		13			11½		
TFW400SS 9	9	5¼	16	.55	2¼	14½	1 ⁶³ / ₆₄	1½", 40mm, 1 ¹⁵ / ₁₆ "
TFW400SS 12	12		19			17½		
TFW400SS 18	18		25			23½		

ZPB ZMaRC Coated Cast Iron Pillow Block Units

ZMaRC-Coated Insert Bearing

HD_i Series



For Inch Shafts 3/4 – 1 15/16

Shaft Dia d in	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
3/4	ZPB012ZM	1 1/4 32.0	53/64 21.0	2 1/2 64.0	1 5/16 33.3	35/64 14.0	3 15/32 88.0	4 11/64 106.0	5 127.0	13/16 20.5	29/64 11.5	3/8 10.0	23/32 18.3	1.40 0.64	2 860 12 700	1 470 6 550
15/16	ZPB015ZM	1 7/16 36.0	7/8 22.0	2 3/4 70.0	1 7/16 36.5	5/8 16.0	3 45/64 94.0	4 21/64 110.0	5 1/8 130.0	49/64 19.5	29/64 11.5	3/8 10.0	25/32 19.8	1.75 0.79	3 150 14 000	1 750 7 800
1	ZPB100ZM	1 7/16 36.0	7/8 22.0	2 3/4 70.0	1 7/16 36.5	5/8 16.0	3 45/64 94.0	4 21/64 110.0	5 1/8 130.0	49/64 19.5	29/64 11.5	3/8 10.0	25/32 19.8	1.70 0.77	3 150 14 000	1 750 7 800
1 1/8	ZPB102ZM	1 37/64 40.0	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	5 63/64 152.0	59/64 23.5	35/64 14.0	1/2 12.7	7/8 22.2	2.85 1.30	4 380 19 500	2 520 11 200
1 3/16	ZPB103ZM	1 37/64 40.0	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	5 63/64 152.0	59/64 23.5	35/64 14.0	1/2 12.7	7/8 22.2	2.85 1.30	4 380 19 500	2 520 11 200
1 1/4	ZPB104ZMR	1 37/64 40.0	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	5 63/64 152.0	59/64 23.5	35/64 14.0	1/2 12.7	7/8 22.2	2.75 1.25	4 380 19 500	2 520 11 200
1 1/4	ZPB104ZM	1 49/64 45.0	1 1/8 28.0	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 43/64 119.0	5 15/64 133.0	6 19/64 160.0	53/64 21.0	35/64 14.0	1/2 12.7	1 25.4	3.65 1.65	5 730 25 500	3 440 15 300
1 7/16	ZPB107ZM	1 49/64 45.0	1 1/8 28.0	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 43/64 119.0	5 15/64 133.0	6 19/64 160.0	53/64 21.0	35/64 14.0	1/2 12.7	1 25.4	3.40 1.55	5 730 25 500	3 440 15 300
1 1/2	ZPB108ZM	1 57/64 48.0	1 1/2 31.0	3 29/32 99.0	1 15/16 49.2	3/4 19.0	4 59/64 125.0	5 3/4 146.0	6 57/64 175.0	15/16 24.0	35/64 14.0	1/2 12.7	1 1/16 30.0	4.30 1.95	6 900 30 700	4 270 19 000
1 15/16	ZPB115ZM	2 1/8 54.0	1 3/8 35.0	4 1/2 114.0	2 1/4 57.2	7/8 22.0	5 55/64 149.0	6 1/2 165.0	8 203.0	1 1/16 27.0	45/64 18.0	5/8 16.0	1 1/32 32.6	6.30 2.85	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Pillow Block Designation	A in mm	A ₁ in mm	H in mm	H ₁ in mm	H ₂ in mm	J		L in mm	N in mm	N ₁ in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
							Min in mm	Max in mm							Dynamic C lbf N	Static C ₀ lbf N
20	ZPB20ZM	1 1/4 32.0	53/64 21.0	2 1/2 64.0	1 5/16 33.3	35/64 14.0	3 15/32 88.0	4 11/64 106.0	5 127.0	13/16 20.5	29/64 11.5	3/8 10.0	23/32 18.3	1.40 0.64	2 860 12 700	1 470 6 550
25	ZPB25ZM	1 7/16 36.0	7/8 22.0	2 3/4 70.0	1 7/16 36.5	5/8 16.0	3 45/64 94.0	4 21/64 110.0	5 1/8 130.0	49/64 19.5	29/64 11.5	3/8 10.0	25/32 19.8	1.70 0.77	3 150 14 000	1 750 7 800
30	ZPB30ZM	1 37/64 40.0	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	5 63/64 152.0	59/64 23.5	35/64 14.0	1/2 12.7	7/8 22.2	2.85 1.30	4 380 19 500	2 520 11 200
35	ZPB35ZM	1 49/64 45.0	1 1/8 28.0	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 43/64 119.0	5 15/64 133.0	6 19/64 160.0	53/64 21.0	35/64 14.0	1/2 12.7	1 25.4	3.65 1.65	5 730 25 500	3 440 15 300
40	ZPB40ZM	1 57/64 48.0	1 1/2 31.0	3 29/32 99.0	1 15/16 49.2	3/4 19.0	4 59/64 125.0	5 3/4 146.0	6 57/64 175.0	15/16 24.0	35/64 14.0	1/2 12.7	1 1/16 30.0	4.30 1.95	6 900 30 700	4 270 19 000

* Metric units are supplied through the Made To Order (MTO) Program

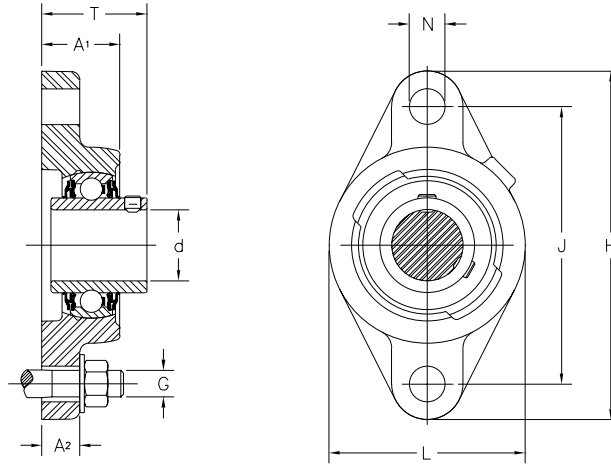
MRC Marathon Series Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreasable unit.



Z2F ZMaRC Coated Cast Iron Two-Bolt Flange Units

ZMaRC-Coated Insert Bearing

HD_i Series



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	Z2F012ZM	$\frac{31}{32}$ 24.6	$\frac{7}{16}$ 11.1	$4\frac{13}{32}$ 111.9	$3\frac{17}{32}$ 89.7	$2\frac{3}{8}$ 60.3	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{15}{32}$ 37.3	0.90 0.41	2 860 12 700	1 470 6 550
$\frac{15}{16}$	Z2F015ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$4\frac{9}{64}$ 123.8	$3\frac{57}{64}$ 98.8	$2\frac{1}{4}$ 69.9	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.35 0.61	3 150 14 000	1 750 7 800
1	Z2F100ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$4\frac{9}{64}$ 123.8	$3\frac{57}{64}$ 98.8	$2\frac{1}{4}$ 69.9	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.30 0.59	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	Z2F102ZM	$1\frac{1}{32}$ 32.5	$\frac{17}{32}$ 13.5	$5\frac{1}{16}$ 141.3	$4\frac{19}{32}$ 116.7	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.05 0.93	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	Z2F103ZM	$1\frac{1}{32}$ 32.5	$\frac{17}{32}$ 13.5	$5\frac{1}{16}$ 141.3	$4\frac{19}{32}$ 116.7	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.00 0.91	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	Z2F104ZMR	$1\frac{1}{32}$ 32.5	$\frac{17}{32}$ 13.5	$5\frac{1}{16}$ 141.3	$4\frac{19}{32}$ 116.7	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	1.95 0.88	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	Z2F104ZM	$1\frac{11}{32}$ 34.1	$\frac{9}{16}$ 14.3	$6\frac{1}{8}$ 155.6	$5\frac{1}{8}$ 130.2	$3\frac{3}{8}$ 92.1	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	2.85 1.30	5 730 25 500	3 440 15 300
$1\frac{7}{16}$	Z2F107ZM	$1\frac{11}{32}$ 34.1	$\frac{9}{16}$ 14.3	$6\frac{1}{8}$ 155.6	$5\frac{1}{8}$ 130.2	$3\frac{3}{8}$ 92.1	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	2.75 1.25	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	Z2F108ZM	$1\frac{1}{32}$ 38.9	$\frac{9}{16}$ 14.3	$6\frac{3}{4}$ 171.5	$5\frac{21}{32}$ 143.7	4 101.6	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	2 $\frac{1}{8}$ 54.2	3.75 1.70	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	Z2F115ZM	$1\frac{23}{32}$ 43.7	$\frac{25}{32}$ 19.8	$7\frac{1}{16}$ 188.9	$6\frac{3}{16}$ 157.2	$4\frac{9}{16}$ 115.9	$\frac{5}{8}$ 15.9	$\frac{9}{16}$ 14.0	2 $\frac{3}{8}$ 60.6	5.05 2.30	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
20	Z2F20ZM	$\frac{31}{32}$ 24.6	$\frac{7}{16}$ 11.1	$4\frac{13}{32}$ 111.9	$3\frac{17}{32}$ 89.7	$2\frac{3}{8}$ 60.3	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{15}{32}$ 37.3	0.90 0.41	2 860 12 700	1 470 6 550
25	Z2F25ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$4\frac{9}{64}$ 123.8	$3\frac{57}{64}$ 98.8	$2\frac{1}{4}$ 69.9	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.30 0.59	3 150 14 000	1 750 7 800
30	Z2F30ZM	$1\frac{1}{32}$ 32.5	$\frac{17}{32}$ 13.5	$5\frac{1}{16}$ 141.3	$4\frac{19}{32}$ 116.7	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.05 0.93	4 380 19 500	2 520 11 200
35	Z2F35ZM	$1\frac{11}{32}$ 34.1	$\frac{9}{16}$ 14.3	$6\frac{1}{8}$ 155.6	$5\frac{1}{8}$ 130.2	$3\frac{3}{8}$ 92.1	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	2.85 1.30	5 730 25 500	3 440 15 300
40	Z2F40ZM	$1\frac{1}{32}$ 38.9	$\frac{9}{16}$ 14.3	$6\frac{3}{4}$ 171.5	$5\frac{21}{32}$ 143.7	4 101.6	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	2 $\frac{1}{8}$ 54.2	3.75 1.70	6 900 30 700	4 270 19 000

* Metric units are supplied through the Made To Order (MTO) Program

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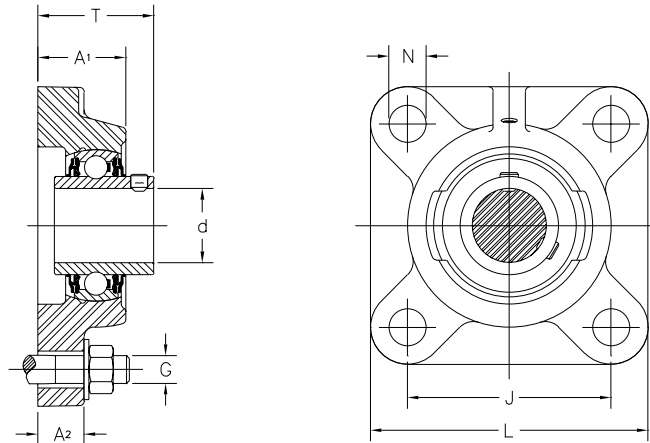


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Z4F ZMaRC Coated Cast Iron Four-Bolt Flange Units

ZMaRC-Coated Insert Bearing

HD_i Series



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
										Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	Z4F012ZM	$1\frac{1}{8}$ 28.6	$\frac{5}{8}$ 15.9	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 85.7	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{17}{32}$ 38.8	1.35 0.61	2 860 12 700	1 470 6 550
$\frac{15}{16}$	Z4F015ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$2\frac{3}{4}$ 69.9	$3\frac{3}{4}$ 95.3	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.85 0.84	3 150 14 000	1 750 7 800
1	Z4F100ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$2\frac{3}{4}$ 69.9	$3\frac{3}{4}$ 95.3	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.80 0.82	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	Z4F102ZM	$1\frac{1}{32}$ 32.5	$\frac{19}{32}$ 15.1	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.65 1.20	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	Z4F103ZM	$1\frac{1}{32}$ 32.5	$\frac{19}{32}$ 15.1	$3\frac{3}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.65 1.20	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	Z4F104ZMR	$1\frac{1}{32}$ 32.5	$\frac{19}{32}$ 15.1	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.65 1.20	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	Z4F104ZM	$1\frac{1}{8}$ 34.9	$\frac{5}{8}$ 15.9	$3\frac{5}{8}$ 92.1	$4\frac{5}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	3.30 1.50	5 730 25 500	3 440 15 300
$1\frac{7}{16}$	Z4F107ZM	$1\frac{3}{8}$ 34.9	$\frac{5}{8}$ 15.9	$3\frac{3}{8}$ 92.1	$4\frac{3}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	3.20 1.45	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	Z4F108ZM	$1\frac{17}{32}$ 38.9	$\frac{21}{32}$ 16.7	4 101.6	$5\frac{1}{8}$ 130.2	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$2\frac{1}{8}$ 54.2	4.30 2.00	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	Z4F115ZM	$1\frac{1}{4}$ 44.5	$\frac{25}{32}$ 19.8	$4\frac{3}{8}$ 111.1	$5\frac{3}{8}$ 142.9	$\frac{5}{8}$ 15.9	$\frac{9}{16}$ 14.0	$2\frac{1}{32}$ 56.6	5.60 2.55	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Weight lb kg	Basic Radial Load Rating	
										Dynamic C lbf N	Static C ₀ lbf N
20	Z4F20ZM	$1\frac{1}{8}$ 28.6	$\frac{5}{8}$ 15.9	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 85.7	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{17}{32}$ 38.8	1.35 0.61	2 860 12 700	1 470 6 550
25	Z4F25ZM	$1\frac{1}{16}$ 30.2	$\frac{5}{8}$ 15.9	$2\frac{3}{4}$ 69.9	$3\frac{3}{4}$ 95.3	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.8	1.80 0.82	3 150 14 000	1 750 7 800
30	Z4F30ZM	$1\frac{1}{32}$ 32.5	$\frac{19}{32}$ 15.1	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.2	2.65 1.20	4 380 19 500	2 520 11 200
35	Z4F35ZM	$1\frac{3}{8}$ 34.9	$\frac{5}{8}$ 15.9	$3\frac{3}{8}$ 92.1	$4\frac{3}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{27}{32}$ 46.4	3.30 1.50	5 730 25 500	3 440 15 300
40	Z4F40ZM	$1\frac{17}{32}$ 38.9	$\frac{21}{32}$ 16.7	4 101.6	$5\frac{1}{8}$ 130.2	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$2\frac{1}{8}$ 54.2	4.30 2.00	6 900 30 700	4 270 19 000



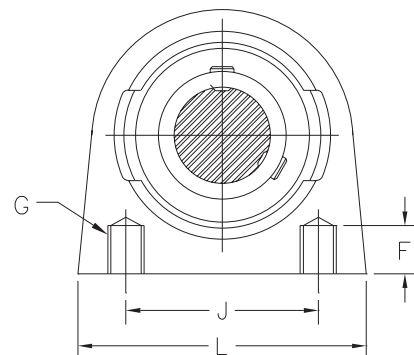
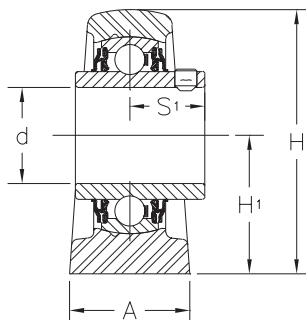
* Metric units are supplied through the Made To Order (MTO) Program

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ZTB ZMaRC Coated Cast Iron Tapped Base Units

ZMaRC-Coated Insert Bearing

HD_i Series



For Inch Shafts $\frac{3}{4}$ – $1\frac{15}{16}$

Shaft Dia d in	Tapped-Base Unit Designation	A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	ZTB012ZM	$1\frac{1}{2}$ 38.1	$2\frac{9}{16}$ 65.1	$1\frac{5}{16}$ 33.3	2 50.8	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16 18.3	$\frac{23}{32}$ 18.3	1.80 0.82	2 860 12 700	1 470 6 550
$\frac{15}{16}$	ZTB015ZM	$1\frac{1}{2}$ 38.1	$2\frac{13}{16}$ 71.4	$1\frac{1}{16}$ 36.5	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16 19.8	$\frac{25}{32}$ 19.8	2.05 0.93	3 150 14 000	1 750 7 800
1	ZTB100ZM	$1\frac{1}{2}$ 38.1	$2\frac{13}{16}$ 71.4	$1\frac{1}{16}$ 36.5	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16 19.8	$\frac{25}{32}$ 19.8	2.00 0.91	3 150 14 000	1 750 7 800
$1\frac{1}{8}$	ZTB102ZM	$1\frac{1}{2}$ 38.1	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	4 101.6	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14 22.2	$\frac{7}{8}$ 22.2	3.50 1.59	4 380 19 500	2 520 11 200
$1\frac{3}{16}$	ZTB103ZM	$1\frac{1}{2}$ 38.1	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	4 101.6	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14 22.2	$\frac{7}{8}$ 22.2	3.50 1.59	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	ZTB104ZMR	$1\frac{1}{2}$ 38.1	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	4 101.6	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14 22.2	$\frac{7}{8}$ 22.2	3.50 1.59	4 380 19 500	2 520 11 200
$1\frac{1}{4}$	ZTB104ZM	$1\frac{3}{8}$ 47.6	$3\frac{3}{4}$ 95.3	$1\frac{7}{8}$ 47.6	$3\frac{3}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13 25.4	1 25.4	4.50 2.05	5 730 25 500	3 440 15 300
$1\frac{7}{16}$	ZTB107ZM	$1\frac{3}{8}$ 47.6	$3\frac{3}{4}$ 95.3	$1\frac{7}{8}$ 47.6	$3\frac{3}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13 25.4	1 25.4	4.50 2.05	5 730 25 500	3 440 15 300
$1\frac{1}{2}$	ZTB108ZM	$1\frac{7}{8}$ 47.6	$3\frac{15}{16}$ 100.0	$1\frac{15}{16}$ 49.2	$3\frac{1}{2}$ 88.9	$4\frac{5}{8}$ 117.5	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13 30.0	$1\frac{1}{16}$ 30.0	6.00 2.73	6 900 30 700	4 270 19 000
$1\frac{15}{16}$	ZTB115ZM	2 50.8	$4\frac{5}{8}$ 117.5	$2\frac{1}{4}$ 57.2	4 101.6	$5\frac{1}{2}$ 139.7	$\frac{7}{8}$ 22.2	$\frac{5}{8}$ -11 32.6	$1\frac{3}{32}$ 32.6	8.00 3.64	7 890 35 100	5 220 23 200

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Tapped-Base Unit Designation	A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G in mm	S ₁ in mm	Weight lb kg	Basic Radial Load Rating	
											Dynamic C lbf N	Static C ₀ lbf N
20	ZTB20ZM	$1\frac{1}{2}$ 38.1	$2\frac{9}{16}$ 65.1	$1\frac{5}{16}$ 33.3	2 50.8	$3\frac{3}{8}$ 79.4	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16 18.3	$\frac{23}{32}$ 18.3	1.80 0.82	2 860 12 700	1 470 6 550
25	ZTB25ZM	$1\frac{1}{2}$ 38.1	$2\frac{13}{16}$ 71.4	$1\frac{1}{16}$ 36.5	2 50.8	3 76.2	$\frac{1}{2}$ 12.7	$\frac{3}{8}$ -16 19.8	$\frac{25}{32}$ 19.8	2.00 0.91	3 150 14 000	1 750 7 800
30	ZTB30ZM	$1\frac{1}{2}$ 38.1	$3\frac{3}{8}$ 85.7	$1\frac{11}{16}$ 42.9	3 76.2	4 101.6	$\frac{5}{8}$ 15.9	$\frac{7}{16}$ -14 22.2	$\frac{7}{8}$ 22.2	3.50 1.59	4 380 19 500	2 520 11 200
35	ZTB35ZM	$1\frac{3}{8}$ 47.6	$3\frac{3}{4}$ 95.3	$1\frac{7}{8}$ 47.6	$3\frac{3}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13 25.4	1 25.4	4.50 2.05	5 730 25 500	3 440 15 300
40	ZTB40ZM	$1\frac{3}{8}$ 47.6	$3\frac{15}{16}$ 100.0	$1\frac{15}{16}$ 49.2	$3\frac{1}{2}$ 88.9	$4\frac{5}{8}$ 117.5	$\frac{3}{4}$ 19.1	$\frac{1}{2}$ -13 30.0	$1\frac{1}{16}$ 30.0	6.00 2.73	6 900 30 700	4 270 19 000



* Metric units are supplied through the Made To Order (MTO) Program

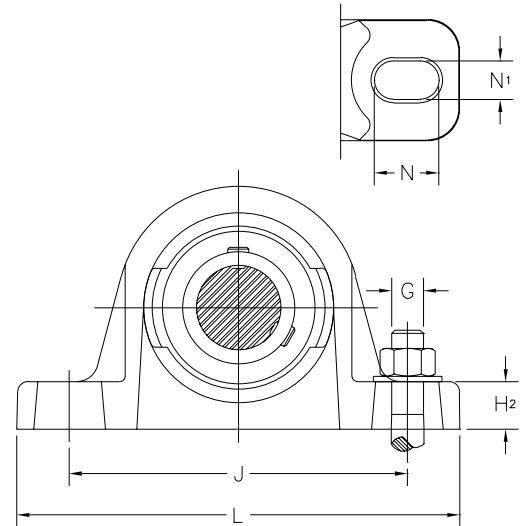
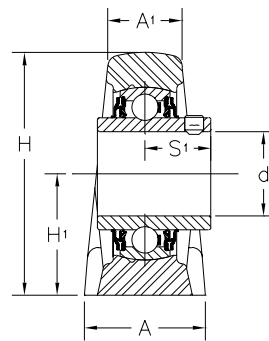
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SPB Cast Stainless Steel Pillow Block Units

Stainless Steel Insert Bearing

XD_s Series



For Inch Shafts 3/4 – 1 1/2

Shaft Dia d in	Pillow Block Designation	J J											Basic Radial Load Rating		
		A	A ₁	H	H ₁	H ₂	Min	Max	L	N	N ₁	G	S ₁	Dynamic C lbf N	Static C ₀ lbf N
3/4	SPB012SS	1 1/4 32.0	3/4 19.0	2 1/2 64.0	1 1/16 33.3	35/64 14.0	3 1/16 87.3	4 3/16 106.4	5 127.0	13/16 20.5	29/64 11.5	3/8 10.0	23/32 18.3	2 400 10 800	1 470 6 550
1	SPB100SS	1 1/16 36.0	7/8 22.0	2 3/4 70.0	1 1/16 36.5	5/8 16.0	3 11/16 93.7	4 5/16 109.5	5 1/8 130.0	3/4 19.1	29/64 11.5	3/8 10.0	25/32 19.8	2 700 11 900	1 750 7 800
1 3/16	SPB103SS	1 9/16 39.7	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	6 152.4	15/16 23.8	9/16 14.3	1/2 12.7	7/8 22.2	3 700 16 300	2 520 11 200
1 1/4	SPB104SSR	1 1/16 39.7	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	6 152.4	15/16 23.8	9/16 14.3	1/2 12.7	7/8 22.2	3 700 16 300	2 520 11 200
1 1/4	SPB104SS	1 3/4 44.5	1 1/8 28.6	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 11/16 119.1	5 1/4 133.4	6 5/16 160.3	27/32 21.4	9/16 14.3	1/2 12.7	1 25.4	4 900 21 600	3 440 15 300
1 3/8	SPB106SS	1 3/4 44.5	1 1/8 28.6	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 11/16 119.1	5 1/4 133.4	6 5/16 160.3	27/32 21.4	9/16 14.3	1/2 12.7	1 25.4	4 900 21 600	3 440 15 300
1 7/16	SPB107SS	1 3/4 44.5	1 1/8 28.6	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 11/16 119.1	5 1/4 133.4	6 5/16 160.3	27/32 21.4	9/16 14.3	1/2 12.7	1 25.4	4 900 21 600	3 440 15 300
1 1/2	SPB108SS	1 7/8 47.6	1 1/4 31.2	3 29/32 99.0	1 15/16 49.2	3/4 19.0	4 15/16 125.4	5 3/4 146.0	6 7/8 174.6	31/32 24.6	9/16 14.3	1/2 12.7	1 3/16 30.0	5 600 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Pillow Block Designation	J J											Basic Radial Load Rating		
		A	A ₁	H	H ₁	H ₂	Min	Max	L	N	N ₁	G	S ₁	Dynamic C lbf N	Static C ₀ lbf N
20	SPB20SS	1 1/4 32.0	3/4 19.0	2 1/2 64.0	1 1/16 33.3	35/64 14.0	3 1/16 87.3	4 3/16 106.4	5 127.0	13/16 20.5	29/64 11.5	3/8 10.0	23/32 18.3	2 400 10 800	1 470 6 550
25	SPB25SS	1 1/16 36.0	7/8 22.0	2 3/4 70.0	1 1/16 36.5	5/8 16.0	3 11/16 93.7	4 5/16 109.5	5 1/8 130.0	3/4 19.1	29/64 11.5	3/8 10.0	25/32 19.8	2 700 11 900	1 750 7 800
30	SPB30SS	1 9/16 39.7	1 25.4	3 15/64 82.0	1 11/16 42.9	2 1/32 16.5	4 1/4 108.0	5 127.0	6 152.4	15/16 23.8	9/16 14.3	1/2 12.7	7/8 22.2	3 700 16 300	2 520 11 200
35	SPB35SS	1 3/4 44.5	1 1/8 28.6	3 21/32 93.0	1 7/8 47.6	3/4 19.0	4 11/16 119.1	5 1/4 133.4	6 5/16 160.3	27/32 21.4	9/16 14.3	1/2 12.7	1 25.4	4 900 21 600	3 440 15 300
40	SPB40SS	1 7/8 47.6	1 1/4 31.2	3 29/32 99.0	1 15/16 49.2	3/4 19.0	4 15/16 125.4	5 3/4 146.0	6 7/8 174.6	31/32 24.6	9/16 14.3	1/2 12.7	1 3/16 30.0	5 600 24 700	4 270 19 000

* Metric units are supplied through the Made To Order (MTO) Program

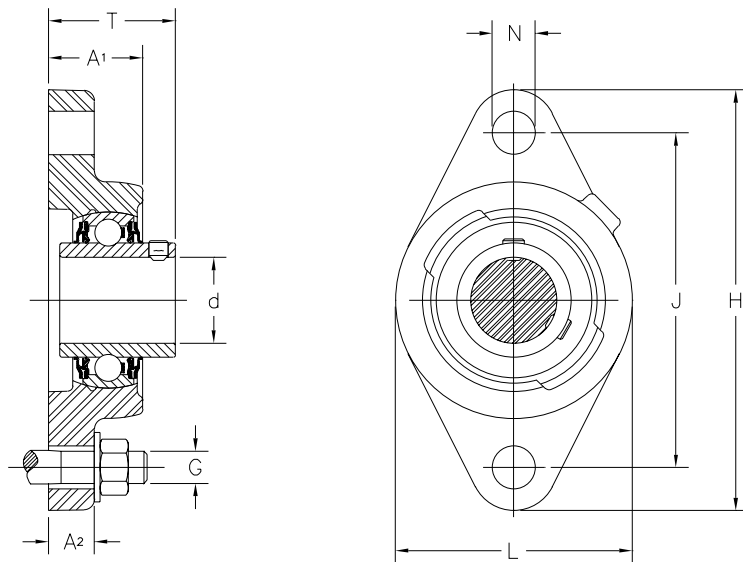
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S2F Cast Stainless Steel Two-Bolt Flange Units

Stainless Steel Insert Bearing

XD_S Series



For Inch Shafts 3/4 – 1 1/2

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Basic Radial Load Rating	
										Dynamic C lbf N	Static C ₀ lbf N
3/4	S2F012SS	1 ¹ / ₆₄ 25.8	7 ¹ / ₁₆ 11.1	4 ¹³ / ₃₂ 111.9	3 ¹⁷ / ₃₂ 89.7	2 ³ / ₈ 60.3	7 ¹ / ₁₆ 11.1	3 ¹ / ₈ 10.0	1 ⁹ / ₃₂ 32.5	2 400 10 800	1 470 6 550
1	S2F100SS	1 ³ / ₃₂ 29.4	1 ⁷ / ₃₂ 13.5	4 ⁷ / ₈ 123.4	3 ⁵⁷ / ₆₄ 98.8	2 ³ / ₄ 69.9	1 ¹ / ₂ 12.7	7 ¹ / ₁₆ 11.0	1 ⁷ / ₁₆ 36.5	2 700 11 900	1 750 7 800
1 ³ / ₁₆	S2F103SS	1 ¹¹ / ₃₂ 34.1	1 ⁷ / ₃₂ 13.5	5 ⁹ / ₁₆ 141.3	4 ¹⁹ / ₃₂ 116.7	3 ¹ / ₈ 79.4	1 ¹ / ₂ 12.7	7 ¹ / ₁₆ 11.0	1 ²¹ / ₃₂ 42.1	3 700 16 300	2 520 11 200
1 ¹ / ₄	S2F104SSR	1 ¹¹ / ₃₂ 34.1	1 ⁷ / ₃₂ 13.5	5 ⁹ / ₁₆ 141.3	4 ¹⁹ / ₃₂ 116.7	3 ¹ / ₈ 79.4	1 ¹ / ₂ 12.7	7 ¹ / ₁₆ 11.0	1 ²¹ / ₃₂ 42.1	3 700 16 300	2 520 11 200
1 ¹ / ₄	S2F104SS	1 ¹³ / ₃₂ 35.7	9 ¹ / ₁₆ 14.3	6 ¹ / ₈ 155.6	5 ¹ / ₈ 130.2	3 ⁵ / ₈ 92.1	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	1 ¹³ / ₁₆ 46.0	4 900 21 600	3 440 15 300
1 ³ / ₈	S2F106SS	1 ¹³ / ₃₂ 35.7	9 ¹ / ₁₆ 14.3	6 ¹ / ₈ 155.6	5 ¹ / ₈ 130.2	3 ⁵ / ₈ 92.1	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	1 ¹³ / ₁₆ 46.0	4 900 21 600	3 440 15 300
1 ⁷ / ₁₆	S2F107SS	1 ¹³ / ₃₂ 35.7	9 ¹ / ₁₆ 14.3	6 ¹ / ₈ 155.6	5 ¹ / ₈ 130.2	3 ⁵ / ₈ 92.1	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	1 ¹³ / ₁₆ 46.0	4 900 21 600	3 440 15 300
1 ¹ / ₂	S2F108SS	1 ¹⁷ / ₃₂ 38.9	9 ¹ / ₁₆ 14.3	6 ³ / ₄ 171.5	5 ²¹ / ₃₂ 143.7	4 101.6	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	2 ³ / ₃₂ 53.0	5 600 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	H in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Basic Radial Load Rating	
										Dynamic C lbf N	Static C ₀ lbf N
20	S2F20SS	1 ¹ / ₆₄ 25.8	7 ¹ / ₁₆ 11.1	4 ¹³ / ₃₂ 111.9	3 ¹⁷ / ₃₂ 89.7	2 ³ / ₈ 60.3	7 ¹ / ₁₆ 11.1	3 ¹ / ₈ 10.0	1 ⁹ / ₃₂ 32.5	2 400 10 800	1 470 6 550
25	S2F25SS	1 ³ / ₃₂ 29.4	1 ⁷ / ₃₂ 13.5	4 ⁷ / ₈ 123.4	3 ⁵⁷ / ₆₄ 98.8	2 ³ / ₄ 69.9	1 ¹ / ₂ 12.7	7 ¹ / ₁₆ 11.0	1 ⁷ / ₁₆ 36.5	2 700 11 900	1 750 7 800
30	S2F30SS	1 ¹¹ / ₃₂ 34.1	1 ⁷ / ₃₂ 13.5	5 ⁹ / ₁₆ 141.3	4 ¹⁹ / ₃₂ 116.7	3 ¹ / ₈ 79.4	1 ¹ / ₂ 12.7	7 ¹ / ₁₆ 11.0	1 ²¹ / ₃₂ 42.1	3 700 16 300	2 520 11 200
35	S2F35SS	1 ¹³ / ₃₂ 35.7	9 ¹ / ₁₆ 14.3	6 ¹ / ₈ 155.6	5 ¹ / ₈ 130.2	3 ⁵ / ₈ 92.1	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	1 ¹³ / ₁₆ 46.0	4 900 21 600	3 440 15 300
40	S2F40SS	1 ¹⁷ / ₃₂ 38.9	9 ¹ / ₁₆ 14.3	6 ³ / ₄ 171.5	5 ²¹ / ₃₂ 143.7	4 101.6	9 ¹ / ₁₆ 14.3	1 ¹ / ₂ 12.7	2 ³ / ₃₂ 53.0	5 600 24 700	4 270 19 000

* Metric units are supplied through the Made To Order (MTO) Program

MRC Marathon Series Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreasable unit.

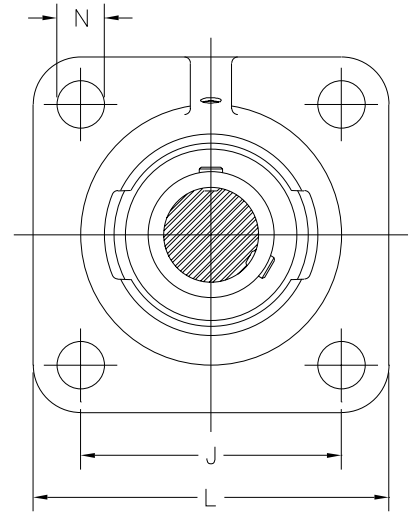
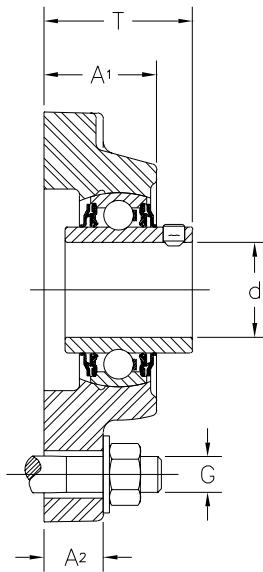


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S4F Cast Stainless Steel Four-Bolt Flange Units

Stainless Steel Insert Bearing

XD_S Series



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Shaft Dia d in	Flange Unit Designation	A ₁ in mm	A ₂ in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Basic Radial Load Rating	
									Dynamic C lbf N	Static C ₀ lbf N
$\frac{3}{4}$	S4F012SS	$1\frac{1}{64}$ 25.8	$\frac{7}{16}$ 11.1	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 85.7	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{15}{32}$ 37.3	2 400 10 800	1 470 6 550
1	S4F100SS	$1\frac{5}{32}$ 29.4	$\frac{17}{32}$ 13.5	$2\frac{3}{4}$ 69.9	$3\frac{3}{4}$ 95.3	$\frac{29}{64}$ 11.5	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.9	2 700 11 900	1 750 7 800
$1\frac{3}{16}$	S4F103SS	$1\frac{11}{32}$ 34.1	$\frac{17}{32}$ 13.5	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.1	3 700 16 300	2 520 11 200
$1\frac{1}{4}$	S4F104SSR	$1\frac{11}{32}$ 34.1	$\frac{17}{32}$ 13.5	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.1	3 700 16 300	2 520 11 200
$1\frac{1}{4}$	S4F104SS	$1\frac{13}{32}$ 35.7	$\frac{9}{16}$ 14.3	$3\frac{5}{8}$ 92.1	$4\frac{5}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{13}{16}$ 46.0	4 900 21 600	3 440 15 300
$1\frac{3}{8}$	S4F106SS	$1\frac{13}{32}$ 35.7	$\frac{9}{16}$ 14.3	$3\frac{5}{8}$ 92.1	$4\frac{5}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{13}{16}$ 46.0	4 900 21 600	3 440 15 300
$1\frac{7}{16}$	S4F107SS	$1\frac{13}{32}$ 35.7	$\frac{9}{16}$ 14.3	$3\frac{5}{8}$ 92.1	$4\frac{5}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{13}{16}$ 46.0	4 900 21 600	3 440 15 300
$1\frac{1}{2}$	S4F108SS	$1\frac{17}{32}$ 38.9	$\frac{9}{16}$ 14.3	4 101.6	$5\frac{1}{8}$ 130.2	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$2\frac{3}{32}$ 53.2	5 600 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Flange Unit Designation	A ₁ in mm	A ₂ in mm	J in mm	L in mm	N in mm	G in mm	T in mm	Basic Radial Load Rating	
									Dynamic C lbf N	Static C ₀ lbf N
20	S4F20SS	$1\frac{1}{64}$ 25.8	$\frac{7}{16}$ 11.1	$2\frac{1}{2}$ 63.5	$3\frac{3}{8}$ 85.7	$\frac{7}{16}$ 11.1	$\frac{3}{8}$ 10.0	$1\frac{15}{32}$ 37.3	2 400 10 800	1 470 6 550
25	S4F25SS	$1\frac{5}{32}$ 29.4	$\frac{17}{32}$ 13.5	$2\frac{3}{4}$ 69.9	$3\frac{3}{4}$ 95.3	$\frac{29}{64}$ 11.5	$\frac{7}{16}$ 11.0	$1\frac{17}{32}$ 38.9	2 700 11 900	1 750 7 800
30	S4F30SS	$1\frac{11}{32}$ 34.1	$\frac{17}{32}$ 13.5	$3\frac{1}{4}$ 82.6	$4\frac{1}{4}$ 108.0	$\frac{1}{2}$ 12.7	$\frac{7}{16}$ 11.0	$1\frac{21}{32}$ 42.1	3 700 16 300	2 520 11 200
35	S4F35SS	$1\frac{13}{32}$ 35.7	$\frac{9}{16}$ 14.3	$3\frac{5}{8}$ 92.1	$4\frac{5}{8}$ 117.5	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$1\frac{13}{16}$ 46.0	4 900 21 600	3 440 15 300
40	S4F40SS	$1\frac{17}{32}$ 38.9	$\frac{9}{16}$ 14.3	4 101.6	$5\frac{1}{8}$ 130.2	$\frac{9}{16}$ 14.3	$\frac{1}{2}$ 12.7	$2\frac{3}{32}$ 53.2	5 600 24 700	4 270 19 000



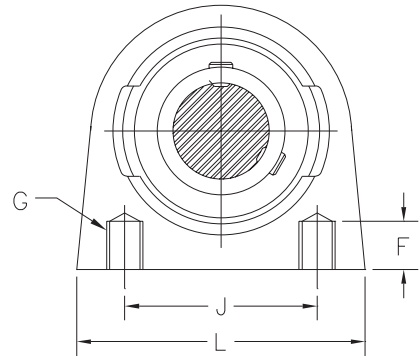
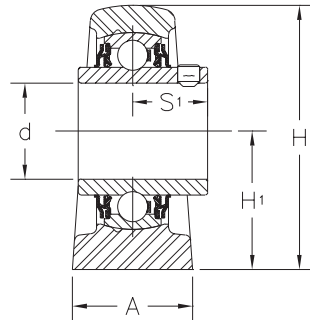
* Metric units are supplied through the Made To Order (MTO) Program

MRC Marathon Series Mounted Bearing Units are greased and sealed for life. MRC does not recommend regreasing. If required, units with relubrication fittings are available for your application. Adding a "G" suffix to the part number denotes a regreasable unit.

STB Cast Stainless Steel Tapped Base Units

Stainless Steel Insert Bearing

XD_s Series



For Inch Shafts 3/4 – 1 1/2

Shaft Dia d in	Tapped-Base Unit Designation	Basic Radial Load Rating									
		A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC Threads	S ₁ in mm	Dynamic C lbf N	Static C ₀ lbf N
3/4	STB012SS	1 1/8 28.6	2 1/2 63.5	1 5/16 33.3	2 50.8	2 5/8 66.7	1/2 12.7	3/8-16	23/32 18.3	2 400 10 800	1 470 6 550
1	STB100SS	1 1/4 31.8	2 3/4 69.9	1 7/16 36.5	2 50.8	3 76.2	1/2 12.7	3/8-16	25/32 19.8	2 700 11 900	1 750 7 800
1 3/16	STB103SS	1 1/2 38.1	3 1/4 82.6	1 11/16 42.9	3 76.2	3 7/8 98.4	5/8 15.9	7/16-14	7/8 22.2	3 700 16 300	2 520 11 200
1 1/4	STB104SSR	1 1/2 38.1	3 1/4 82.6	1 11/16 42.9	3 76.2	3 7/8 98.4	5/8 15.9	7/16-14	7/8 22.2	3 700 16 300	2 520 11 200
1 1/4	STB104SS	1 1/2 38.1	3 5/8 92.1	1 7/8 47.6	3 1/4 82.6	4 1/8 104.8	3/4 19.1	1/2-13	1 25.4	4 900 21 600	3 440 15 300
1 3/8	STB106SS	1 1/2 38.1	3 5/8 92.1	1 7/8 47.6	3 1/4 82.6	4 1/8 104.8	3/4 19.1	1/2-13	1 25.4	4 900 21 600	3 440 15 300
1 7/16	STB107SS	1 1/2 38.1	3 5/8 92.1	1 7/8 47.6	3 1/4 82.6	4 1/8 104.8	3/4 19.1	1/2-13	1 25.4	4 900 21 600	3 440 15 300
1 1/2	STB108SS	1 5/8 41.3	3 15/16 100.0	1 15/16 49.2	3 1/2 88.9	4 1/2 114.3	3/4 19.1	1/2-13	1 3/16 30.0	5 600 24 700	4 270 19 000

For Metric Shafts 20mm – 40mm*

Shaft Dia d mm	Tapped-Base Unit Designation	Basic Radial Load Rating									
		A in mm	H in mm	H ₁ in mm	J in mm	L in mm	F in mm	G UNC Threads	S ₁ in mm	Dynamic C lbf N	Static C ₀ lbf N
20	STB20SS	1 1/8 28.6	2 1/2 63.5	1 5/16 33.3	2 50.8	2 5/8 66.7	1/2 12.7	3/8-16	23/32 18.3	2 400 10 800	1 470 6 550
25	STB25SS	1 1/4 31.8	2 3/4 69.9	1 7/16 36.5	2 50.8	3 76.2	1/2 12.7	3/8-16	25/32 19.8	2 700 11 900	1 750 7 800
30	STB30SS	1 1/2 38.1	3 1/4 82.6	1 11/16 42.9	3 76.2	3 7/8 98.4	5/8 15.9	7/16-14	7/8 22.2	3 700 16 300	2 520 11 200
35	STB35SS	1 1/2 38.1	3 5/8 92.1	1 7/8 47.6	3 1/4 82.6	4 1/8 104.8	3/4 19.1	1/2-13	1 25.4	4 900 21 600	3 440 15 300
40	STB40SS	1 5/8 41.3	3 15/16 100.0	1 15/16 49.2	3 1/2 88.9	4 1/2 114.3	3/4 19.1	1/2-13	1 3/16 30.0	5 600 24 700	4 270 19 000

* Metric units are supplied through the Made To Order (MTO) Program

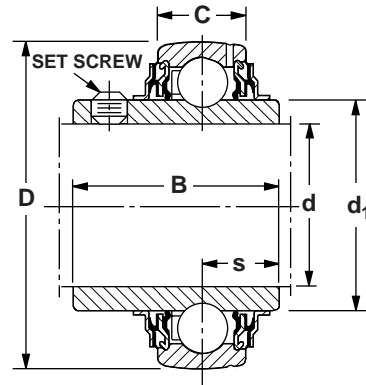
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Mounted Unit ZMaRC-Coated Insert Bearings

Set Screw Locking



For Inch Shafts $\frac{3}{4} - 1\frac{15}{16}$

Insert Bearing Designation	Bore Dia d in mm	Outside Dia D in mm	Inner Width B in mm	Outer Width C in mm	Basic Radial Load Rating				Max Fillet Rad.(1) in mm	Set Screw Size inch	Weight lb kg
					Dynamic C lbf N	Static C ₀ lbf N	d ₁ in mm	S in mm			
RRZ1012BRR	$\frac{3}{4}$ 19.05	1.8504 47	1.220 31	0.5512 14	2 860 12 700	1 470 6 500	1.110 28.20	0.500 12.70	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.14	0.31 0.14
RRZ1015BRR	$\frac{15}{16}$ 23.81	2.0472 52	1.343 34.10	0.5906 15	3 150 14 000	1 750 7 800	1.328 33.74	0.563 14.30	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.19	0.42 0.19
RRZ1100BRR	1 25.4	2.0472 52	1.343 34.10	0.5906 15	3 150 14 000	1 750 7 800	1.328 33.74	0.563 14.30	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.17	0.37 0.17
RRZ1102BRR	$1\frac{1}{8}$ 28.58	2.4409 62	1.500 38.10	0.7087 18	4 380 19 500	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.30	0.66 0.30
RRZ1103BRR	$1\frac{3}{16}$ 30.16	2.4409 62	1.500 38.10	0.7087 18	4 380 19 500	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.27	0.60 0.27
RRZ104BRR2	$1\frac{1}{4}$ 31.75	2.4409 62	1.500 38.10	0.7087 18	4 380 19 500	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$ 0.25	0.55 0.25
RRZ1104BRR	$1\frac{1}{4}$ 31.75	2.8346 72	1.688 42.88	0.7480 19	5 730 25 500	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{5}{16}$ 0.46	1.00 0.46
RRZ1107BRR	$1\frac{7}{16}$ 36.51	2.8346 72	1.688 42.88	0.7480 19	5 730 25 500	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{5}{16}$ 0.38	0.84 0.38
RRZ1108BRR	$1\frac{1}{2}$ 38.10	3.1496 80	1.938 49.23	0.8268 21	6 900 30 700	4 270 19 000	2.039 51.80	0.748 19	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{5}{16}$ 0.59	1.30 0.59
RRZ1115BRR	$1\frac{15}{16}$ 49.20	3.5433 90	2.031 51.60	0.8661 22	7 890 35 100	5 220 23 200	2.461 62.51	0.748 19	0.039 1.00	$\frac{3}{8}$ -24 x $\frac{5}{16}$ 0.71	1.55 0.71

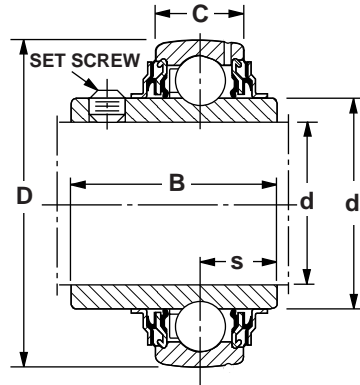
For Metric Shafts 20 mm – 40 mm

Insert Bearing Designation	Bore Dia d in mm	Outside Dia D in mm	Inner Width B in mm	Outer Width C in mm	Basic Radial Load Rating				Max Fillet Rad.(1) in mm	Set Screw Size mm	Weight lb kg
					Dynamic C lbf N	Static C ₀ lbf N	d ₁ in mm	S in mm			
RRZ20BRR	0.7874 20	1.8504 47	1.220 31	0.5512 14	2 860 12 700	1 470 6 550	1.110 28.20	0.500 12.70	0.024 0.60	M6 x 0.75 x 5 0.14	0.31 0.14
RRZ25BRR	0.9843 25	2.0472 52	1.343 34.1	0.5906 15	3 150 14 000	1 750 7 800	1.328 33.74	0.563 14.30	0.024 0.60	M6 x 0.75 x 5 0.18	0.40 0.18
RRZ30BRR	1.1811 30	2.4409 62	1.500 38.1	0.7087 18	4 380 19 500	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	M6 x 0.75 x 5 0.27	0.60 0.27
RRZ35BRR	1.3780 35	2.8346 72	1.688 42.9	0.7480 19	5 730 25 500	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	M6 x 0.75 x 5 0.46	1.00 0.46
RRZ40BRR	1.5748 40	3.1496 80	1.938 49.2	0.7480 19	6 900 30 700	4 270 19 000	2.039 51.80	0.748 19	0.039 1.00	M8 x 1 x 7 0.55	1.20 0.55

(1) Fillet radius indicates the maximum fillet radius on the shaft which bearing corner will clear.

Mounted Unit Stainless Steel Insert Bearings

Set Screw Locking



For Inch Shafts $\frac{3}{4}$ – $1\frac{1}{2}$

Insert Bearing Designation	Bore Dia d in mm	Outside Dia D in mm	Inner Width B in mm	Outer Width C in mm	Basic Radial Load Rating				Max Fillet Rad.(1) in mm	Set Screw Size inch	Weight lb kg
					Dynamic C lbf N	Static C ₀ lbf N	d ₁ in mm	S in mm			
RRH1012BRR	$\frac{3}{4}$ 19.05	1.8504 47	1.220 31	0.5512 14	2 380 10 600	1 470 6 500	1.110 28.20	0.500 12.70	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$	0.31 0.14
RRH1100BRR	1 25.4	2.0472 52	1.343 34.10	0.5906 15	2 520 11 200	1 750 7 800	1.328 33.74	0.563 14.30	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$	0.37 0.17
RRH1103BRR	$1\frac{3}{16}$ 30.16	2.4409 62	1.500 38.10	0.7087 18	3 510 15 600	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$	0.60 0.27
RRH104BRR2	$1\frac{1}{4}$ 31.75	2.4409 62	1.500 38.10	0.7087 18	4 560 20 300	3 440 15 300	1.563 39.70	0.626 15.90	0.024 0.60	$\frac{1}{4}$ -28 x $\frac{3}{16}$	0.55 0.25
RRH1104BRR	$1\frac{1}{4}$ 31.75	2.8346 72	1.688 42.88	0.7480 19	4 560 20 300	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{3}{16}$	1.00 0.46
RRH1106BRR	$1\frac{3}{8}$ 34.93	2.8346 72	1.688 42.88	0.7480 19	4 560 20 300	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{3}{16}$	0.90 0.41
RRH1107BRR	$1\frac{7}{16}$ 36.51	2.8346 72	1.688 42.88	0.7480 19	4 560 20 300	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{3}{16}$	0.84 0.38
RRH1108BRR	$1\frac{1}{2}$ 38.10	3.1496 80	1.938 49.23	0.8268 21	5 550 24 700	4 270 19 000	2.039 51.80	0.748 19.00	0.039 1.00	$\frac{5}{16}$ -24 x $\frac{3}{16}$	1.30 0.59

For Metric Shafts 20 mm – 40 mm

Insert Bearing Designation	Bore Dia d in mm	Outside Dia D in mm	Inner Width B in mm	Outer Width C in mm	Basic Radial Load Rating				Max Fillet Rad.(1) in mm	Set Screw Size mm	Weight lb kg
					Dynamic C lbf N	Static C ₀ lbf N	d ₁ in mm	S in mm			
RRH20BRR	0.7874 20	1.8504 47	1.220 31	0.5512 14	2 380 10 600	1 470 6 550	1.110 28.20	0.500 12.70	0.024 0.60	M6 x 0.75 x 5	0.31 0.14
RRH25BRR	0.9843 25	2.0472 52	1.343 34.1	0.5906 15	2 520 11 200	1 750 7 800	1.328 33.74	0.563 14.30	0.024 0.60	M6 x 0.75 x 5	0.40 0.18
RRH30BRR	1.1811 30	2.4409 62	1.500 38.1	0.7087 18	3 510 15 600	2 520 11 200	1.563 39.70	0.626 15.90	0.024 0.60	M6 x 0.75 x 5	0.60 0.27
RRH35BRR	1.3780 35	2.8346 72	1.688 42.9	0.7480 19	4 560 20 300	3 440 15 300	1.815 46.10	0.689 17.50	0.039 1.00	M6 x 0.75 x 5	1.00 0.46
RRH40BRR	1.5748 40	3.1496 80	1.938 49.2	0.7480 19	5 550 24 700	4 270 19 000	2.039 51.80	0.748 19	0.039 1.00	M8 x 1 x 7	1.20 0.55

(1) Fillet radius indicates the maximum fillet radius on the shaft which bearing corner will clear.

Marathon Hi-Temp and Submersible Units

MRC Hi-Temp and Submersible Units are fitted with high performance plane bearing inserts specifically designed for these demanding applications. The inserts can be assembled into any of the Marathon housing styles which MRC currently offers. Rotation of the insert in the housing is prevented by means of an anti-rotation slot in the outer ring mating with the set screw inserted into the housing, while still allowing self-aligning capability.

These units provide superior performance in applications which would normally cause premature failure of standard anti-friction bearings requiring lubrication. As with all Marathon products, these units provide improved service life, and do not require lubrication since the polymer is the friction reducing component. Therefore, they are maintenance free and there is no excessive grease purging, which is usually an issue when trying to extend the service life of a bearing in severe operating environments.

Marathon High Temp and Submersible Plane Bearing Units are suitable for a wide range of applications in addition to high temp and submersible conditions. They meet USDA approval for direct contact in meat, poultry and dairy applications, and are suitable for a wide range of food applications where washdown and corrosion are problems.

Marathon Plane Bearing Units

Marathon plane bearing inserts meet many food and non-food application requirements. They are suitable for a wide range of food applications where corrosion is a problem; they can be selected to operate in temperature ranges from cryogenic to 600°F and can be mounted horizontally or vertically; they can also be supplied to handle different loading and speed conditions. And as with all Marathon inserts, lubrication is not required, resulting in simplified maintenance-free operation.

Non-stock plane bearing units can be supplied through the MRC Made-To-Order (MTO) program. The normal lead time for a non-stocked variant is approximately six weeks.



Submersible part number examples:
1" Composite pillow block – CPB100SB
1¹/₈" Composite 2-bolt flange – C2F107SB
1¹/₂" Composite tapped base – CTB108SB



High temperature part number examples:
1" ZMaRC cast iron pillow block – ZPB100HT
1¹/₈" ZZMaRC cast iron 2-bolt flange – Z2F107HT
1¹/₂" ZMaRC cast iron 4-bolt flange – Z4F108HT



Submersible part number examples:
1" Stainless pillow block – SPB100SB
1¹/₈" Stainless 2-bolt flange – S2F107SB
High temperature part number examples:
1" Stainless pillow block – SPB100HT
1¹/₈" Stainless 2-bolt flange – S2F107HT

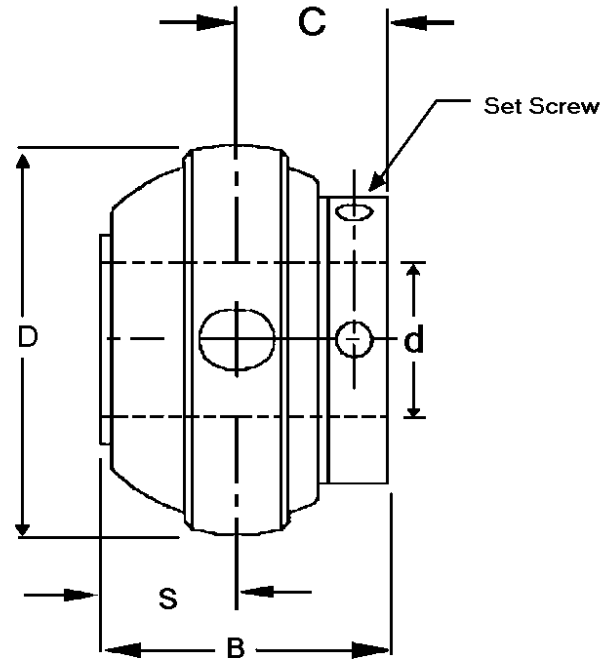
High Temperature Insert Plane Bearings (HT)

Set Screw Locking



MRC High Temperature Plane Bearing Inserts can withstand constant temperatures up to 500°F. When normal anti-friction bearings cannot handle the heat, MRC High Temperature Plane Bearings are the best choice to keep rotating equipment running smoothly. The 316 stainless steel inner ring and 304 stainless steel

outer ring offer wear resistance as well as corrosion resistance. The high performance polymer sleeve material allows the bearing to operate at higher speeds compared to typical plane bearings. Since the polymer material is the friction reducing component, no grease is required for proper performance. In the event of premature wear, the insert bearing will not catastrophically fail but will exhibit looseness, indicating that the bearing needs to be replaced. The recommended Marathon housing material for this insert is either the ZMaRC®-coated cast iron or cast stainless steel to meet most application requirements for high temperature duty. In addition, the insert bearing is approved for incidental food contact by the USDA/FDA.



For inch shafts 3/8 to 1 1/8.

Metric inserts can be supplied through the MTO Program.

Insert Bearing Designation	Shaft Dia	D	B	C	S	Maximum Speed*	Maximum Load*	Radial Load (Fr) x Speed (n)*	Weight
	d								
	in mm	in mm	in mm	in mm	in mm	rpm	lbs.	lbs. x rpm	lb kg
RRS1012BBL	3/8 19.1	1.8504 47.0	1.4843 37.7	0.9219 23.4	0.5630 14.3	2 000	2 100	179 000	0.5 0.23
RRS1100BBL	1 25.4	2.0472 52.0	1.5472 39.3	0.9219 23.4	0.6260 15.9	1 500	3 000	190 000	0.7 0.32
RRS1102BBL	1 1/4 28.6	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	1 350	4 000	226 000	1.1 0.50
RRS1103BBL	1 3/8 30.2	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	1 350	4 000	226 000	1.1 0.50
RRS104BBL2	1 1/2 31.8	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	1 350	4 000	226 000	1.1 0.50
RRS1104BBL	1 1/2 31.8	2.8346 72.0	2.0472 52.0	1.1102 28.2	0.9375 23.8	1 200	5 100	262 000	1.7 0.77
RRS1107BBL	1 3/4 36.5	2.8346 72.0	2.0472 52.0	1.1102 28.2	0.9375 23.8	1 200	5 100	262 000	1.7 0.77
RRS1108BBL	1 7/8 38.1	3.1496 80.0	2.2323 56.7	1.2638 32.1	0.9685 24.6	1 000	6 700	286 000	2.5 1.14
RRS1115BBL	1 5/8 49.2	3.5433 90.0	2.2953 58.3	1.2638 32.1	1.0315 26.2	800	9 000	298 000	3.3 1.50

*Plane bearing capacity is based on the heat generation which is directly related to speed versus applied load. The "radial load x speed" column above provides the relationship between load versus speed in order to evaluate the bearing suitability. If the application conditions exceed any of the three factors above, different polymer materials can be selected to meet the application needs.

Example for an RRS1100BBL insert bearing.

If the applied load on the bearing is 200 lbs, then based on a "Radial (Fr) x Speed (n)" factor of 190,000, the bearing can rotate up to 950 rpm.

Fr x n = 190,000

Fr = 200 lbs

Therefore: 190,000 / 200 = 950 rpm

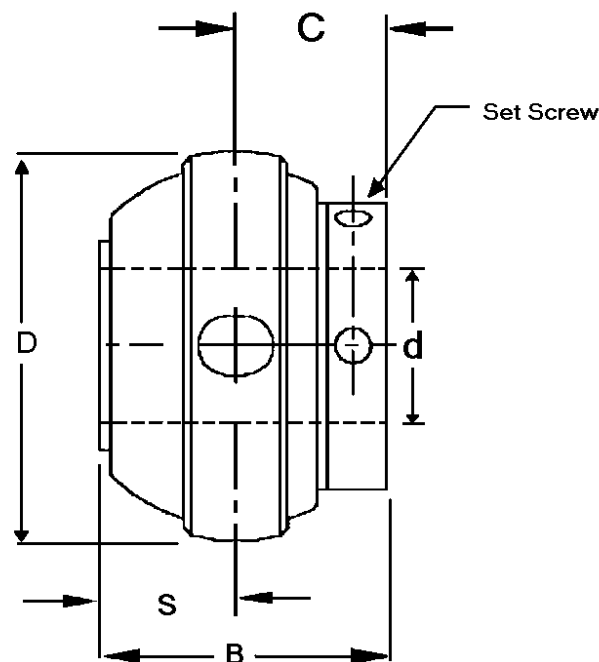
Submersible Insert Plane Bearings (SB)

Set Screw Locking



MRC Submersible Plane Bearing Inserts are suitable for applications which are constantly exposed to or submerged in moisture. When normal anti-friction bearings fail because of grease washout or corrosion, MRC Submersible Plane Bearings are the best choice to keep rotating

equipment running smoothly. The 316 stainless steel inner sleeve offers wear resistance as well as corrosion resistance. The high performance polymer outer ring allows the bearing to operate at moderate speeds without the need for lubrication since the polymer material is self lubricated. The polymer material can withstand continuous temperatures up to 150°F, and tolerates higher temperatures during wash-down. The insert bearing will not catastrophically fail; it wears by becoming loose in the bore. The recommended Marathon housing material for this insert is either composite or cast stainless steel. In addition, the insert bearing is approved for direct food contact by the USDA / FDA.



For inch shafts $\frac{3}{8}$ to 1 $\frac{1}{8}$.

Metric inserts can be supplied through the MTO Program.

Insert Bearing Designation	Shaft Dia	D	B	C	S	Maximum Speed*	Maximum Load*	Radial Load (Fr) x Speed (n) *	Weight
	d								
	in mm	in mm	in mm	in mm	in mm	rpm	lbs.	lbs. x rpm	lb kg
RRP1012BPL	$\frac{3}{8}$ 19.1	1.8504 47.0	1.4843 37.7	0.9219 23.4	0.5630 14.3	250	625	3 900	0.3 0.14
RRP1100BPL	1 25.4	2.0472 52.0	1.5472 39.3	0.9219 23.4	0.6260 15.9	190	875	4 200	0.4 0.18
RRP1102BPL	1 $\frac{1}{8}$ 28.6	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	150	1 150	4 900	0.6 0.27
RRP1103BPL	1 $\frac{1}{4}$ 30.2	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	150	1 150	4 900	0.6 0.27
RRP104BPL2	1 $\frac{1}{4}$ 31.8	2.4409 62.0	1.8307 46.5	1.0787 27.4	0.750 19.1	150	1 150	4 900	0.6 0.27
RRP1104BPL	1 $\frac{1}{4}$ 31.8	2.8346 72.0	2.0472 52.0	1.1102 28.2	0.9375 23.8	130	1 450	5 600	0.8 0.36
RRP1107BPL	1 $\frac{1}{2}$ 36.5	2.8346 72.0	2.0472 52.0	1.1102 28.2	0.9375 23.8	130	1 450	5 600	0.8 0.36
RRP1108BPL	1 $\frac{1}{2}$ 38.1	3.1496 80.0	2.2323 56.7	1.2638 32.1	0.9685 24.6	120	1 900	6 100	1.0 0.45
RRP1115BPL	1 $\frac{5}{8}$ 49.2	3.5433 90.0	2.2953 58.3	1.2638 32.1	1.0315 26.2	100	2 500	6 300	1.3 0.59

*Plane bearing capacity is based on the heat generation which is directly related to speed versus applied load. The "radial load x speed" column above provides the relationship between load versus speed in order to evaluate the bearing suitability. If the application conditions exceed any of the three factors above, different polymer materials can be selected to meet the application needs.

Example for an RRP1100BPL insert bearing.

If the applied load on the bearing is 40 lbs, then based on a "Radial (Fr) x Speed (n)" factor of 4200, the bearing can rotate up to 105 rpm.

Fr x n = 4200

Fr = 40 lbs

Therefore: 4200 / 40 = 105 rpm



Made-To-Order Products for the Food Processing Industry

Low Backing Height Pillow Block (CPL-ZM or SS)

Size range: 3/4 – 1 1/2 inches, 20 mm – 40 mm
Insert bearing: ZMaRC-coated or stainless steel

These units have a lower backing height than standard pillow blocks while the base bolt center distance, bolt size, insert bearing and load ratings remain the same. The overall height and base thickness are slightly smaller. These units are non-regreasable but can be furnished with grease fittings on special order. A regreasable unit is denoted by adding a “G” suffix to the unit part number.

Mounting and center height interchangeable with the following:

AMI	UCLP
Dodge	P2B-SC
Fafnir	YAK
Hub City	PB250
Link Belt	PL3
McGill	CL-25
Sealmaster	NPL

Low Profile 2-Bolt Flange Unit (C2L-ZM or SS)

Size range: 3/4 – 1 1/16 inches, 20 mm – 35 mm
Insert bearing: ZMaRC-coated or stainless steel

These units are smaller than a standard 2-bolt flange unit but have the same insert bearing and load ratings. They are used where space is limited. The housing bolt holes are round to accept round machine bolts. They are non-regreasable but can be furnished with grease fittings on special order. A regreasable unit is denoted by adding a “G” suffix to the unit part number.

Mounting interchangeable with the following:

Dodge	LFT-SC
Hub City	FB160
McGill	FBS2-25

Hanger Units (SHU-SS)

Size range: 3/4 – 1 1/2 inches, 20 mm – 40 mm
Insert bearing: Stainless steel

These units are used on screw conveyors and include a stainless steel housing tapped for a straight pipe thread. These units are non-regreasable but grease fittings can be furnished on special order. A regreasable unit is denoted by adding a “G” suffix to the unit part number.

Mounting interchangeable with the following:

AMI	UCECH, UCHPL
Dodge	SCHB
McGill	MCHB
Sealmaster	SCHB

Low Profile 3-Bolt Flange Unit (C3F-ZM or SS)

Size range: 3/4 – 1 1/16 inches, 20 mm – 35 mm
Insert bearing: ZMaRC-Coated or Stainless Steel

These units are non-regreasable and are applied where space constraints require a compact unit with sufficient strength for the application. The insert bearing and load ratings are the same as a standard unit with the same shaft diameter. The housing bolt holes are round to accept round machine bolts. A grease fitting can be furnished on special order. A regreasable unit is denoted by adding a “G” suffix to the unit part number.

Mounting interchangeable with the following:

AMI	BTM
Dodge	LF-SC
Hub City	FBI150
Sealmaster	LF

4-Bolt Piloted Flange Unit (CPF-ZM or SS)

Size range: 3/4 – 1 1/2 inches, 20 mm – 40 mm
Insert bearing: ZMaRC-coated or stainless steel

These are non-regreasable units which have an accurately machined piloting diameter to position the unit in the bore of the mounting surface, eliminating the need for any additional adjustments. The insert bearings and load ratings are the same as standard units with the same shaft diameter. A grease fitting can be furnished on special order. A regreasable unit is denoted by adding a “G” suffix to the unit part number.

Mounting interchangeable with the following:

AMI	UCFCS
Dodge	FC-SC
Hub City	FC350
McGill	PFC4-25
Sealmaster	SFC

Other shaft sizes may be available on special order.

Contact MRC at 1-800-MRC-7000 regarding pricing, availability or technical service for all Marathon Series products, or for information on regreasable units.

Marathon Series Nomenclature

<p>Inches: First Digit: Number of inches Second and third digits: Number of sixteenths of an inch <u>Example:</u> 103 indicates 1 ³/₁₆ (unit)</p>	<p>Metric: First two digits: Number of millimeters <u>Example:</u> 25 would indicate 25 millimeters</p>
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SHAFT SIZE

CPB 103 ZM

HOUSING

<p>CPB Gray composite pillow block</p> <p>ZPB ZMaRC-coated cast iron pillow block</p> <p>SPB Cast stainless steel pillow block</p> <p>C2F Gray composite 2-bolt flange</p> <p>Z2F ZMaRC coated cast iron 2-bolt flange</p> <p>S2F Cast stainless steel 2-bolt flange</p> <p>C4F Gray composite 4-bolt flange</p> <p>Z4F ZMaRC- coated cast iron 4-bolt flange</p>	<p>S4F Cast stainless steel 4-bolt flange</p> <p>CTB Gray composite tapped-base pillow block</p> <p>ZTB ZMaRC-coated cast iron tapped-base pillow block</p> <p>STB Cast stainless steel tapped-base pillow block</p> <p>CBF Gray composite 3-bolt bracket flange</p> <p>CTN Gray composite narrow-slot take-up</p> <p>CTW Gray composite wide-slot take-up</p>
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INSERT BEARING

ZM
ZMaRC-coated

SS
Stainless steel

G
Relubricatable bearing unit

ZMR
ZMaRC-coated insert bearing, with a 1 ¹/₄" bore, fitted into a housing that usually accommodates a 1 ³/₁₆" insert bearing

SSR
Stainless steel insert bearing, with a 1 ¹/₄" bore, fitted into a housing that usually accommodates a 1 ³/₁₆" insert bearing

HT
High tempature plane bearing

SB
Submersible plane bearing

HTR
High tempature insert bearing with a 1 ¹/₂" bore, fitted into a housing that usually accomodates a 1 ³/₁₆" insert bearing.

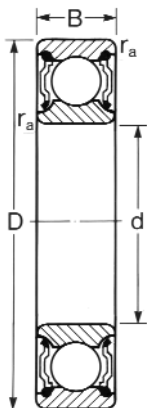
SBR
Submersible insert bearing with a 1 ¹/₂" bore, fitted into a housing that usually accodomates a 1 ³/₁₆" insert bearing

Picker Hub Applications

Stainless Steel Bearings with Solid Lubricant Pack (W64F)

Single row deep groove (SRDG), doubled sealed, stainless steel ball bearings are available with solid lubricant pack in a food grade formulation identified as W64F. This lubricant is USDA approved for use in food related applications with incidental food contact. It has excellent oil lubricating properties and helps prevent grease washout and contamination under harsh operating conditions. This lubricant pack combined with stainless steel bearing components and synthetic rubber seals, provides a significant increase in bearing life in these applications.

Stainless steel single row, deep groove ball bearings packed with W64F solid lubricant are available from stock in five sizes, as shown in the table below. In addition to the suffix “ST” to denote stainless steel, a descriptive suffix “-W64F” is included to distinguish them from standard stainless steel bearings. Other sizes can be furnished on special order.



For equivalent load and life calculations see page 54 and 55 in the MRC Engineering Handbook.

Technical Data

Maximum Operating Temperatures

The temperature limits, measured on the bearing outside diameter are:

Maximum continuous: 180°F (82°C)

Maximum intermittent: 200°F (93°C)

Load Ratings

Load ratings for bearings lubricated with W64F solid lubricant are the same as for standard bearings.

Speed Limits

The speed limit N_{dm} , is dependent on the bearing bore and outside diameters, and RPM, in the following relationship:

$$N_{dm} = \text{RPM} \times \frac{(\text{Bore} + \text{O.D.})}{2}$$

(bore, OD in mm)

For double sealed or shielded, single row, deep groove, stainless steel ball bearings, the limiting value of N_{dm} is 240,000.

It is important to note that as ambient or externally produced temperatures increase, the maximum operating speed may have to be reduced, to keep the bearing operating temperature within the maximum operating limit. As with most bearing lubricants, reducing bearing temperature adds to the capability of W64F.

MRC Bearing Number	Bore		Outside Diameter D		Width B		Fillet Radius ¹⁾ r _a		Zd ²⁾		Basic Radial Load Rating			
	d		mm in		mm in		mm in		mm in		Dynamic C _d ²⁾		Static C ₀	
	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf
203SZZST-W64F	17	.6693	40	1.5748	12	.4724	.64	.025	361	.56	7 650	1 720	4 750	1 070
204SZZST-W64F	20	.7874	47	1.8504	14	.5512	1.0	.040	503	.78	10 200	2 280	6 550	1 470
205SZZST-W64F	25	.9843	52	2.0472	15	.5906	1.0	.040	568	.88	11 200	2 520	7 800	1 750
207SZZST-W64F	35	1.3780	72	2.8346	17	.6693	1.0	.040	1 110	1.72	20 400	4 590	15 300	3 440
304SZZST-W64F	20	.7874	52	2.0472	15	.5906	1.0	.040	632	.98	12 700	2 860	7 800	1 750

¹⁾ Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.

²⁾ Rating for one million revolutions or 500 hours at 33 1/3 RPM.

Marathon Series Product Range

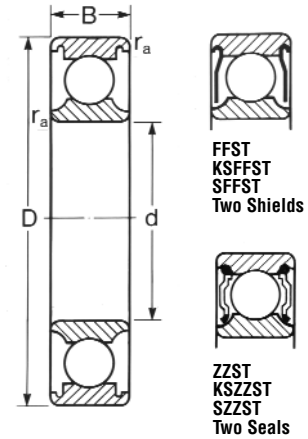
Stainless Steel Single Row Deep Groove (SRDG) Ball Bearings

MRC stainless steel (SRDG) ball bearings are used in fish, poultry and other food processing applications. Examples of popular applications include automatic filleting and sizing equipment aboard fishing trawlers, and evisceration equipment in poultry plants.

MRC stainless steel SRDG ball bearings exhibit significantly longer life than standard bearings in a wide range of demanding applications.

All MRC stainless steel SRDG ball bearings can also be specified with a solid lubricant pack that prevents grease washout during washdowns and helps protect against contamination in harsh environments.

For equivalent load and life calculations see page 54 and 55 in the MRC Engineering Handbook.



MRC Bearing Number	Bore		Outside Diameter		Width		Fillet Radius ¹⁾		Zd ²⁾		Basic Radial Load Rating				Speed Rating ³⁾		
	d		D		B		ra				Dynamic C _d ²⁾		Static C _n		Open and Shielded Grease	Single & Double Sealed Grease	
	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf	RPM	Oil RPM	RPM
38ZZST	8.0	.3150	22.0	.8661	7.0	.2756	.30	.012	110	.17	2 600	585	1 360	306	36 000	43 000	23 000
R2ST	3.2	.1250	9.5	.3750	4.0	.1562	.30	.012	19	.03	250	56	120	27	75 000	91 000	52 000
R2FFST	3.2	.1250	9.5	.3750	4.0	.1562	.30	.012	19	.03	250	56	120	27	75 000	91 000	52 000
R3FFST	4.8	.1875	12.7	.5000	5.0	.1960	.30	.012	39	.06	765	172	490	110	57 000	69 000	40 000
R3ZZST	4.8	.1875	12.7	.5000	5.0	.1960	.30	.012	39	.06	765	172	490	110	57 000	69 000	40 000
R4FFST	6.4	.2500	15.9	.6250	5.0	.1960	.30	.012	45	.07	1 180	266	620	139	44 000	54 000	31 000
R6FFST	9.5	.3750	22.2	.8750	7.1	.2812	.41	.016	110	.17	2 660	597	1 340	301	31 000	38 000	21 000
R6ZZST	9.5	.3750	22.2	.8750	7.1	.2812	.41	.016	110	.17	2 660	597	1 340	301	31 000	38 000	21 000
R8ST	12.7	.5000	28.6	1.1250	6.4	.2500	.41	.016	181	.28	4 060	912	2 400	540	24 000	29 000	16 000
R8FFST	12.7	.5000	28.6	1.1250	7.9	.3125	.41	.016	181	.28	4 060	912	2 400	540	24 000	29 000	16 000
R8ZZST	12.7	.5000	28.6	1.1250	7.9	.3125	.41	.016	181	.28	4 060	912	2 400	540	24 000	29 000	16 000
R10ZZST	15.9	.6250	34.9	1.3750	8.7	.3438	.79	.031	226	.35	4 840	1 090	3 250	731	18 000	22 000	13 000
R12FFST	19.1	.7500	41.3	1.6250	11.1	.4375	.79	.031	361	.56	7 490	1 680	5 100	1 150	16 000	19 000	11 000
R12ZZST	19.1	.7500	41.3	1.6250	11.1	.4375	.79	.031	361	.56	7 490	1 680	5 100	1 150	16 000	19 000	11 000
101KSZZST	12.0	.4724	28.0	1.1024	8.0	.3125	.30	.012	181	.28	4 060	912	2 360	530	26 000	32 000	17 000
102KSZZST	15.0	.5906	32.0	1.2598	9.0	.3543	.30	.012	206	.32	4 470	1 010	2 850	640	22 000	28 000	14 000
103KSZZST	17.0	.6693	35.0	1.3780	10.0	.3937	.30	.012	226	.35	4 840	1 090	3 250	730	19 000	24 000	13 000
104KSZZST	20.0	.7874	42.0	1.6535	12.0	.4724	.64	.025	361	.56	7 490	1 680	5 000	1 120	17 000	20 000	11 000
105KSZZST	25.0	.9843	47.0	1.8504	12.0	.4724	.64	.025	458	.71	8 960	2 010	6 550	1 470	15 000	18 000	9 500
106KSZZST	30.0	1.1811	55.0	2.1654	13.0	.5118	1.00	.040	561	.87	9 470	2 130	7 390	1 660	12 000	15 000	8 000
200SZZST	10.0	.3937	30.0	1.1811	9.0	.3543	.64	.025	181	.28	4 060	912	2 360	531	24 000	30 000	17 000
201SST	12.0	.4724	32.0	1.2598	10.0	.3937	.64	.025	252	.39	5 510	1 240	3 100	697	22 000	28 000	15 000
201SZZST	12.0	.4724	32.0	1.2598	10.0	.3937	.64	.025	252	.39	5 510	1 240	3 100	697	22 000	28 000	15 000
202SST	15.0	.5906	35.0	1.3780	11.0	.4331	.64	.025	290	.45	6 240	1 400	3 250	843	19 000	24 000	13 000
202SFFST	15.0	.5906	35.0	1.3780	11.0	.4331	.64	.025	290	.45	6 240	1 400	3 250	843	19 000	24 000	13 000
202SZZST	15.0	.5906	35.0	1.3780	11.0	.4331	.64	.025	290	.45	6 240	1 400	3 250	843	19 000	24 000	13 000
203SFFST	17.0	.6693	40.0	1.5748	12.0	.4724	.64	.025	361	.56	7 650	1 720	4 750	1 070	17 000	20 000	12 000
203SZZST	17.0	.6693	40.0	1.5748	12.0	.4724	.64	.025	361	.56	7 650	1 720	4 750	1 070	17 000	20 000	12 000
204SST	20.0	.7874	47.0	1.8504	14.0	.5512	1.00	.040	503	.78	10 200	2 280	6 550	1 470	15 000	18 000	10 000
204SZZST	20.0	.7874	47.0	1.8504	14.0	.5512	1.00	.040	503	.78	10 200	2 280	6 550	1 470	15 000	18 000	10 000
205SFFST	25.0	.9843	52.0	2.0472	15.0	.5906	1.00	.040	568	.88	11 200	2 520	7 800	1 750	12 000	15 000	8 500
205SZZST	25.0	.9843	52.0	2.0472	15.0	.5906	1.00	.040	568	.88	11 200	2 520	7 800	1 750	12 000	15 000	8 500
206SST	30.0	1.1811	62.0	2.4409	16.0	.6299	1.00	.040	819	1.27	15 600	3 510	11 200	2 520	10 000	13 000	7 500
206SFFST	30.0	1.1811	62.0	2.4409	16.0	.6299	1.00	.040	819	1.27	15 600	3 510	11 200	2 520	10 000	13 000	7 500
206SZZST	30.0	1.1811	62.0	2.4409	16.0	.6299	1.00	.040	819	1.27	15 600	3 510	11 200	2 520	10 000	13 000	7 500
207SZZST	35.0	1.3780	72.0	2.8346	17.0	.6693	1.00	.040	1 111	1.72	20 500	4 610	15 300	3 440	9 000	11 000	6 300
304SZZST	20.0	.7874	52.0	2.0472	15.0	.5906	1.00	.040	632	.98	12 700	2 860	7 800	1 750	13 000	16 000	9 500
305SZZST	25.0	.9843	62.0	2.4409	17.0	.6693	1.00	.040	864	1.34	17 000	3 810	10 800	2 430	11 000	14 000	7 500

¹⁾ Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.

²⁾ Listed values are for a pressed stainless steel cage; ABEC. 1. The speed ratings have been determined through historical application and practice.

³⁾ Rating for one million revolutions or 500 hours at 33 1/3 RPM.

Marathon Series Tolerances and Dimensional Data

Insert Bearing Bore Tolerance and Radial Clearance

BEARING BORE DIAMETER	INCH									MILLIMETER					
	¾	1	1⅛	1⅜	1½	1⅝	1⅞	2	2⅜	2½	2⅞	3	3⅜	3½	
BORE TOLERANCE -.0000	in	+0.0007	+0.0007	+0.0008	+0.0008	+0.0008	+0.0008	+0.0008	+0.0008	+0.0008	+0.0007	+0.0007	+0.0008	+0.0008	+0.0008
	mm	+0.018	+0.018	+0.020	+0.020	+0.020	+0.020	+0.020	+0.020	+0.020	+0.018	+0.018	+0.020	+0.020	+0.020
RADIAL CLEARANCE	in	.0005 – .0011		.0006 – .0013						.0007-.0014		.0006 – .0013			
	mm	.013 – .028		.015 – .033						.018-.036		.015 – .033			

Shaft Diameter Tolerances

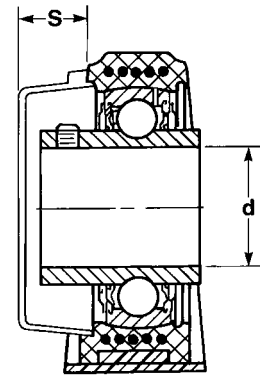
SHAFT DIAMETER in	TOLERANCE in
Up to 1⅛	+0.0000 / -0.0005
2-4	+0.0000 / -0.0010

For stainless steel insert bearings (RRH series), the above tolerances are especially critical because of the bearing material properties. Undersized shafting, excessive set screw tightening, and severe environmental conditions can result in excessive ring distortion which can effect the performance of the bearing. Therefore, it is highly recommended that the proper set screw torque and shaft diameter tolerance be used (see assembly instructions on pages 38 and 39).

End Cover Stickout (S)

SHAFT DIAMETER d		S in mm
in	mm	
¾	20	0.709 20.5
	25	0.709 20.5
1	—	0.709 20.5
1⅛	30	0.874 22.2
1¼	35	0.965 24.5
1⅝	—	0.965 24.5
1⅞	—	0.965 24.5
2	40	1.024 26.0

End cover available on pillow blocks (CPB), 2-bolt flange units (C2F) and 4-bolt flange units (C4F).



End Cover Part number = EC prefix followed by shaft diameter.

Ex.: for a 1-1/8" shaft, EC1-1/8 is the endcover part number.

End covers only available on composite pillow block, 2-bolt and 4-bolt flange housings.

Assembly Instructions for MRC Marathon bearing units

Step 1

Remove any burrs on the shaft with emery cloth or a fine file. Wipe the shaft with a clean piece of cloth. Check the shaft diameter to ensure it meets the tolerances shown below.

Shaft Diameter in	Tolerance in
Up to 1 ¹⁵ / ₁₆	+0.0000 / -0.0005
2-4	+0.0000 / -0.0010

Step 2

Back out all the set screws to clear the shaft and slide the unit into position on the shaft.

Step 3

Make sure the housing base and mating surfaces are clean and free of any debris or burrs. Ensure that the supporting surface is flat. If the housing requires shims for adjustment, the shims MUST extend the full length and width of the base. Bolt the housing securely to the support. (See table A for maximum recommended tightening torques for composite housings.) Note: For composite pillow block and flanged housings, a thick, flat stainless steel washer should always be installed between the bolt head and mounting base to properly distribute the clamping force.

Step 4

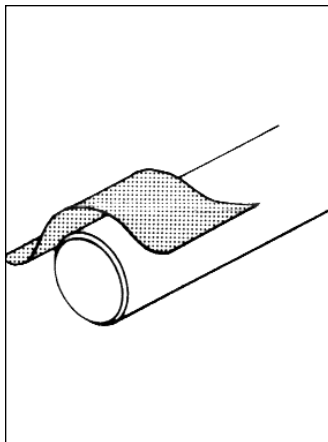
ZMaRC Inserts

Before the set screws are tightened, reinspect the position to make sure the housing did not shift when the base bolts were tightened. Tighten each set screw alternately with the proper hex head socket wrench until they stop turning and the hex head socket wrench starts to spring. Reference Table B for maximum recommended set screw tightening torque values and wrench dimensions. These values should not be exceeded.

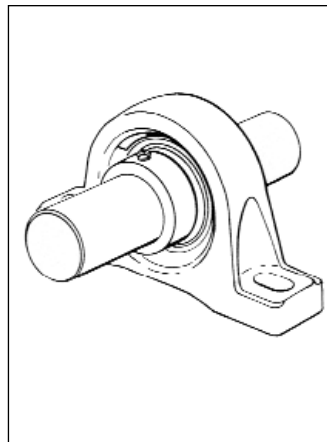
Step 4

Stainless Steel Inserts

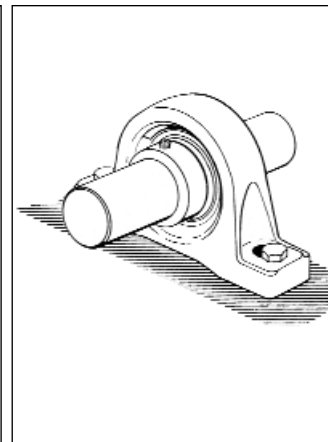
Before the set screws are tightened, reinspect the position to make sure the housing did not shift when the base bolts were tightened. Remove the set screws and apply a bonding agent to the set screw's threads such as Loctite and insert the set screws back into the inner ring. Tighten each set screw alternately with the proper hex head socket wrench until they stop turning and the hex head socket wrench starts to spring. Reference Table B for maximum recommended set screw tightening torque values and wrench dimensions. These values should not be exceeded.



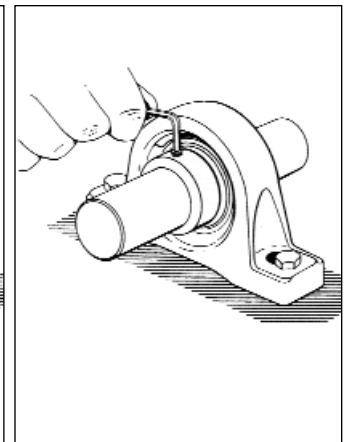
Step 1



Step 2



Step 3



Step 4

TABLE A Composite Housings Maximum Bolt Tightening Torques

SHAFT SIZE	PILLOW BLOCK			2- AND 4-BOLT FLANGE			TAPPED BASE	
	BOLT DIAMETER		MAX TIGHTENING TORQUE	BOLT DIAMETER		MAX TIGHTENING TORQUE	BOLT SIZE UNC THREAD	MAX TIGHTENING TORQUE
	IN.	MM	IN. - LBS.	IN.	MM	IN. - LBS.	IN.	IN. - LBS.
¾"	¾"	10.0	390	¾"	10.0	430	¾-16	130
1"	¾"	10.0	430	¾"	10.0	430	¾-16	130
1½"	½"	12.7	430	¾"	10.0	430	¾-14	150
1¾"	½"	12.7	430	¾"	10.0	430	¾-14	150
1½R"	½"	12.7	430	¾"	10.0	430	¾-14	150
1¼"	½"	12.7	475	½"	12.7	430	½-13	170
1⅙"	½"	12.7	475	½"	12.7	430	½-13	170
1½"	½"	12.7	520	½"	12.7	520	½-13	170
1⅝"	¾"	15.9	560	¾"	15.9	520	¾-11	200
20 mm	¾"	10.0	390	¾"	10.0	430	¾-16	130
25 mm	¾"	10.0	430	¾"	10.0	430	¾-16	130
30 mm	½"	12.7	430	¾"	10.0	430	¾-14	150
35 mm	½"	12.7	475	½"	12.7	430	½-13	170
40 mm	½"	12.7	520	½"	12.7	520	½-13	170

TABLE B

ZMaRC Insert Bearing Set Screw Specifications (RRZ-BRR)

SHAFT SIZE	SET SCREW SIZE	HEX WRENCH SIZE	MAX. TIGHTENING TORQUE
			IN. - LBS.
¾"	¼"-28 x ¼"	⅛"	87
1"	¼"-28 x ¼"	⅛"	87
1½"	¼"-28 x ¼"	⅛"	87
1¾"	¼"-28 x ¼"	⅛"	87
1½R"	¼"-28 x ¼"	⅛"	87
1¼"	⅝"-24 x ⅝"	⅝"	165
1⅙"	⅝"-24 x ⅝"	⅝"	165
1½"	⅝"-24 x ⅝"	⅝"	165
1⅝"	¾"-24 x ¾"	¾"	290
20 mm	M6 x 0.75mm x 5mm	3 mm	87
25 mm	M6 x 0.75mm x 5mm	3 mm	87
30 mm	M6 x 0.75mm x 5mm	3 mm	87
35 mm	M6 x 0.75mm x 7mm	3 mm	165
40 mm	M8 x 1mm x 7mm	4 mm	165

Stainless Steel Insert Bearing Set Screw Specifications (RRH-BRR)

SHAFT SIZE	SET SCREW SIZE	HEX WRENCH SIZE	MAX. TIGHTENING TORQUE
			IN. - LBS.
¾"	¼"-28 x ⅝"	⅛"	35
1"	¼"-28 x ⅝"	⅛"	35
1-3/16"	¼"-28 x ⅝"	⅛"	35
1-1/4R"	¼"-28 x ⅝"	⅛"	35
1-1/4"	⅝"-24 x ¼"	⅝"	80
1-3/8"	⅝"-24 x ¼"	⅝"	80
1-7/16"	⅝"-24 x ¼"	⅝"	80
1-1/2"	⅝"-24 x ¼"	⅝"	80
20 mm	M6 x 0.75mm x 5mm	3 mm	35
25 mm	M6 x 0.75mm x 5mm	3 mm	35
30 mm	M6 x 0.75mm x 5mm	3 mm	35
35 mm	M6 x 0.75mm x 7mm	3 mm	35
40 mm	M8 x 1mm x 7mm	4 mm	80

Mounting the Insert Bearing into the Housing

Position the bearing 90 degrees from its normal position and insert it into the slots in the housing, making sure that the set screws do not interfere with the edge of the housing bore. Then swivel the bearing into position using a piece of tubing through the bore. If the housing has a relubrication fitting, the set screw side of the bearing should be matched to the side of the housing with the insert slots. In order to ensure that the relubrication fitting and lubrication holes line up, the initial misalignment should not exceed 5 degrees.

Marathon Mounted Unit Basic Comparison – Inch Shafts

Pillow Blocks

SHAFT DIAMETER		¾"	15/16"	1"	1 1/8"	1 1/4"	1 3/8"
HOUSING		INSERT BEARING					
MRC	Composite Composite ZMaRC Coated Cast Iron Cast Stainless Steel	ZMaRC Stainless Steel ZMaRC Stainless Steel	CPB012ZM CPB012SS ZPB012ZM SPB012SS	CPB015ZM ZPB015ZM	CPB100ZM CPB100SS ZPB100ZM SPB100SS	CPB102ZM ZPB102ZM	CPB103ZM CPB103SS ZPB103ZM SPB103SS
AMI	Polymer	Black Oxide	UCPPL204-12MZ	UCPPL205-15MZ	UCPPL205-16MZ	UCPPL206-18MZ	UCPPL206-19MZ
	Polymer	Stainless Steel	MUCPPL204-12	MUCPPL205-15	MUCPPL205-16	MUCPPL206-18	MUCPPL206-19
Dodge	Polymer	TDC	P2B-SCEZ-012-PCR	P2B-SCEZ-015-PCR	P2B-SCEZ-100-PCR	P2B-SCEZ-102-PCR	P2B-SCEZ-103-PCR
	Teflon Coated	TDC	P2B-SCTC-012-CR	P2B-SCTC-015-CR	P2B-SCTC-100-CR	P2B-SCTC-102-CR	P2B-SCTC-103-CR
Fafnir	Polymer	TDC	YAS 3/4 PT	YAS 15/16 PT	YAS 1 PT	YAS 1 1/8 PT	YAS 1 1/4 PT
	Nickel Plated	TDC	YAS 3/4 NT	YAS 15/16 NT	YAS 1 NT	YAS 1 1/8 NT	YAS 1 1/4 NT
Hub City	Nickel Plated	52100 Steel	PB25IN-3/4	PB25IN-15/16	PB25IN-1	PB25IN-1 1/8	PB25IN-1 1/4
	Cast Iron	52100 Steel	PB25I-3/4	PB25I-15/16	PB25I-1	PB25I-1 1/8	PB25I-1 1/4
Link-Belt	Nylon Coated	Black Oxide	WP3-S212E	WP3-S215E	WP3-S216E	WP3-S218E	WP3-S219E
	Nickel Plated	Black Oxide	P3-S212EK75	P3-S215EK75	P3-S216EK75	P3-S218EK75	P3-S219EK75
McGill	Nickel Plated	Black Oxide	NC-25-3/4	NC-25-15/16	NC-25-1	NC-25-1 1/8	NC-25-1 1/4
	Cast Iron	52100 Steel	C-25-3/4	C-25-15/16	C-25-1	C-25-1 1/8	C-25-1 1/4
Sealmaster	Polymer Coated	TDC	BP-12	BP-15	BP-16	BP-18	BP-19
	Polymer Coated	Black Oxide	NP-12C-CR	NP-15C-CR	NP-16C-CR	NP-18C-CR	NP-19C-CR
SKF	Cast Iron	52100 Steel	SY 3/4 TR	SY 15/16 TR	SY 1 TR	SY 1 1/8 TR	SY 1 1/4 TR

Two-Bolt Flange Units

SHAFT DIAMETER		¾"	15/16"	1"	1 1/8"	1 1/4"	1 3/8"
HOUSING		INSERT BEARING					
MRC	Composite Composite ZMaRC Coated Cast Iron Cast Stainless Steel	ZMaRC Stainless Steel ZMaRC Stainless Steel	C2F012ZM C2F012SS Z2F012ZM S2F012SS	C2F015ZM Z2F015ZM	C2F100ZM C2F100SS Z2F100ZM S2F100SS	C2F102ZM Z2F102ZM	C2F103ZM C2F103SS Z2F103ZM S2F103SS
AMI	Polymer	Black Oxide	UCNFL204-12MZ	UCNFL205-15MZ	UCNFL205-16MZ	UCNFL206-18MZ	UCNFL206-19MZ
	Polymer	Stainless Steel	MUCNFL204-12	MUCNFL205-15	MUCNFL205-16	MUCNFL206-18	MUCNFL206-19
Dodge	Polymer	TDC	F2B-SCEZ-012-PCR	F2B-SCEZ-015-PCR	F2B-SCEZ-100-PCR	F2B-SCEZ-102-PCR	F2B-SCEZ-103-PCR
	Teflon Coated	TDC	F2B-SCTC-012-CR	F2B-SCTC-015-CR	F2B-SCTC-100-CR	F2B-SCTC-102-CR	F2B-SCTC-103-CR
Fafnir	Polymer	TDC	YCJT 3/4 PT	YCJT 15/16 PT	YCJT 1 PT	YCJT 1 1/8 PT	YCJT 1 1/4 PT
	Nickel Plated	TDC	YCJT 3/4 NT	YCJT 15/16 NT	YCJT 1 NT	YCJT 1 1/8 NT	YCJT 1 1/4 NT
Hub City	Nickel Plated	52100 Steel	FB260N-3/4	FB260N-15/16	FB260N-1	FB260N-1 1/8	FB260N-1 1/4
	Cast Iron	52100 Steel	FB260-3/4	FB260-15/16	FB260-1	FB260-1 1/8	FB260-1 1/4
Link-Belt	Polymer	Black Oxide	KFX-S212E	KFX-S215	KFX-S216	KFX-S218	KFX-S219
	Nylon Coated	Black Oxide	WFX3-S212E	WFX3-S215E	WFX3-S216E	WFX3-S218E	WFX3-S219E
McGill	Nickel Plated	Black Oxide	NFC2-25-3/4	NFC2-25-15/16	NFC2-25-1	NFC2-25-1 1/8	NFC2-25-1 1/4
	Cast Iron	52100 Steel	FC2-25-3/4	FC2-25-15/16	FC2-25-1	FC2-25-1 1/8	FC2-25-1 1/4
Sealmaster	Polymer Coated	TDC	BFT-12	BFT-15	BFT-16	BFT-18	BFT-19
	Polymer Coated	Black Oxide	SFT-12C-CR	SFT-15C-CR	SFT-16C-CR	SFT-18C-CR	SFT-19C-CR
SKF	Cast Iron	52100 Steel	FYTB 3/4 TR	FYTB 15/16 TR	FYTB 1 TR	FYTB 1 1/8 TR	FYTB 1 1/4 TR

Marathon Mounted Unit Basic Comparison – Inch Shafts

Pillow Blocks

	1¼"	1½"	1⅝"	1⅞"	1½"	1⅝"
MRC	CPB104ZMR CPB104SSR ZPB104ZMR SPB104SSR	CPB104ZM CPB104SS ZPB104ZM SPB104SS	CPB106SS SPB106SS	CPB107ZM CPB107SS ZPB107ZM SPB107SS	CPB108ZM CPB108SS ZPB108ZM SPB108SS	CPB115ZM ZPB115ZM
AMI	UCPPL206-20MZ MUCPPL206-20	UCPPL207-20MZ MUCPPL207-20	UCPPL207-22MZ MUCPPL207-22	UCPPL207-23MZ MUCPPL207-23	UCPPL208-24MZ MUCPPL208-24	
Dodge	P2B-SCUEZ-104S-PCR P2B-SCTC-104S-CR	P2B-SCUEZ-104-PCR P2B-SCTC-104-CR	P2B-SCEZ-106-PCR P2B-SCTC-106-CR	P2B-SCEZ-107-PCR P2B-SCTC-107-CR	P2B-SCBEZ-108-PCR P2B-SCTC-108-CR	P2B-SCBEZ-115-PCR P2B-SCTC-115-CR
Fafnir	YAS 1¼ SPT YAS 1¼ SNT	YAS 1¼ PT YAS 1¼ NT	YAS 1⅜ PT YAS 1⅜ NT	YAS 1⅞ PT YAS 1⅞ NT	YAS 1½ PT YAS 1½ NT	YAS 1⅝ PT YAS 1⅝ NT
Hub City	PB25IN-1¼ S PB25I-1¼ S	PB25IN-1¼ PB25I-1¼	PB25IN-1⅜ PB25I-1⅜	PB25IN-1⅞ PB25I-1⅞	PB25IN-1½ PB25I-1½	PB25IN-1⅝ PB25I-1⅝
Link-Belt	WP3-S2E20E P3-S2E20EK75	WP3-S220E P3-S220EK75	WP3-S222E P3-S222EK75	WP3-S223E P3-S223EK75	WP3-S224E P3-S224EK75	WP3-S231E P3-S231EK75
McGill	NC-25-1¼ S C-25-1¼ S	NC-25-1¼ C-25-1¼	NC-25-1⅜ C-25-1⅜	NC-25-1⅞ C-25-1⅞	NC-25-1½ C-25-1½	NC-25-1⅝ C-25-1⅝
Sealmaster	BP-20R NP-20RC-CR	BP-20 NP-20C-CR	BP-22 NP-22C-CR	BP-23 NP-23C-CR	BP-24 NP-24C-CR	BP-31 NP-31C-CR
SKF	SY 1¼ STR	SY 1¼ TR	SY 1⅜ TR	SY 1⅞ TR	SY 1½ TR	SY 1⅝ TR

Two-Bolt Flange Units

	1¼"	1½"	1⅝"	1⅞"	1½"	1⅝"
MRC	C2F104ZMR C2F104SSR Z2F104ZMR S2F104SSR	C2F104ZM C2F104SS Z2F104ZM S2F104SS	C2F106SS Z2F106SS	C2F107ZM C2F107SS Z2F107ZM S2F107SS	C2F108ZM C2F108SS Z2F108ZM S2F108SS	C2F115ZM Z2F115ZM
AMI	UCNFL206-20MZ MUCNFL206-20	UCNFL207-20MZ MUCNFL207-20	UCNFL207-22MZ MUCNFL207-22	UCNFL207-23MZ MUCNFL207-23	UCNFL208-24MZ MUCNFL208-24	
Dodge	F2B-SCEZ-104S-PCR F2B-SCTC-104S-CR	F2B-SCEZ-104-PCR F2B-SCTC-104-CR	F2B-SCEZ-106-PCR F2B-SCTC-106-CR	F2B-SCEZ-107-PCR F2B-SCTC-107-CR	F2B-SCEZ-108-PCR F2B-SCTC-108-CR	F2B-SCEZ-115-PCR F2B-SCTC-108-CR
Fafnir	YCJT 1¼ SPT YCJT 1¼ SNT	YCJT 1¼ PT YCJT 1¼ NT	YCJT 1⅜ PT YCJT 1⅜ NT	YCJT 1⅞ PT YCJT 1⅞ NT	YCJT 1½ PT YCJT 1½ NT	YCJT 1⅝ PT YCJT 1⅝ NT
Hub City	FB260N-1¼ S FB260-1¼ S	FB260N-1¼ FB260-1¼	FB260N-1⅜ FB260-1⅜	FB260N-1⅞ FB260-1⅞	FB260N-1½ FB260-1½	FB260N-1⅝ FB260-1⅝
Link-Belt	KFX-S2E20 WFX-S2E20E	KFX-S220 WFX-S220E	KFX-S222 WFX-S222E	KFX-S223 WFX3-S223E	KFX-S224 WFX3-S224E	WFX3-S231E
McGill	NFC2-25-1¼S FC2-25-1¼S	NFC2-25-1¼ FC2-25-1¼	NFC2-25-1⅜ FC2-25-1⅜	NFC2-25-1⅞ FC2-25-1⅞	NFC2-25-1½ FC2-25-1½	NFC2-25-1⅝ FC2-25-1⅝
Sealmaster	BFT-20R SFT-20RC-CR	BFT-20 SFT-20C-CR	BFT-22 SFT-22C-CR	BFT-23 SFT-23C-CR	BFT-24 SFT-24C-CR	BFT-31 SFT-31C-CR
SKF	FYTB 1¼ STR	FYTB 1¼ TR	FYTB 1⅜ TR	FYTB 1⅞ TR	FYTB 1½ TR	

Marathon Mounted Unit Basic Comparison – Inch Shafts

Four-Bolt Flange Units

SHAFT DIAMETER			¾"	15/16"	1"	1 1/8"	1 1/4"
	Housing	Insert Bearing					
MRC	Composite	ZMaRC	C4F012ZM	C4F015ZM	C4F100ZM	C4F102ZM	C4F103ZM
	Composite	Stainless Steel	C4F012SS	Z4F015ZM	C4F100SS		C4F103SS
AMI	ZMaRC Coated Cast Iron	ZMaRC	Z4F012ZM		Z4F100ZM	Z4F102ZM	Z4F103ZM
	Cast Stainless Steel	Stainless Steel	S4F012SS		S4F100SS		S4F103SS
Dodge	Polymer	Black Oxide	UCFPL204-12MZ	UCFPL205-15MZ	UCFPL205-16MZ	UCFPL206-18MZ	UCFPL206-19MZ
	Polymer	Stainless Steel	MUCFPL204-12	MUCFPL205-15	MUCFPL205-16	MUCFPL206-18	MUCFPL206-19
Fafnir	Polymer	TDC	F4B-SCEZ-012-PCR	F4B-SCEZ-015-PCR	F4B-SCEZ-100-PCR	F4B-SCEZ-102-PCR	F4B-SCEZ-103-PCR
	Teflon Coated	TDC	F4B-SCTC-012-CR	F4B-SCTC-015-CR	F4B-SCTC-100-CR	F4B-SCTC-102-CR	F4B-SCTC-103-CR
Hub City	Nickel Plated	52100 Steel	FB250N-¾	FB250N-15/16	FB250N-1	FB250N-1 1/8	FB250N-1 1/4
	Cast Iron	52100 Steel	FB250-¾	FB250-15/16	FB250-1	FB250-1 1/8	FB250-1 1/4
Link-Belt	Polymer	Black Oxide	KF-S212	KF-S215	KF-S216	KF-S218	KF-S219
	Nylon Coated	Black Oxide	WF3-S212E	WF3-S215E	WF3-S216E	WF3-S218E	WF3-S219E
McGill	Nickel Plated	Black Oxide	NFC4-25-¾	NFC4-25-15/16	NFC4-25-1	NFC4-25-1 1/8	NFC4-25-1 1/4
	Cast Iron	52100 Steel	FC4-25-¾	FC4-25-15/16	FC4-25-1	FC4-25-1 1/8	FC4-25-1 1/4
Sealmaster	Polymer Coated	TDC	BF-12	BF-15	BF-16	BF-18	BF-19
	Polymer Coated	Black Oxide	SF-12C-CR	SF-15C-CR	SF-16C-CR	SF-18C-CR	SF-19C-CR
SKF	Cast Iron	52100 Steel	FY ¾ TR	FY 15/16 TR	FY 1 TR	FY 1 1/8 TR	FY 1 1/4 TR

Tapped-Base Pillow Blocks

SHAFT DIAMETER			¾"	15/16"	1"	1 1/8"	1 1/4"
	HOUSING	INSERT BEARING					
MRC	Composite	ZMaRC	CTB012ZM	CTB015ZM	CTB100ZM	CTB102ZM	CTB103ZM
	Composite	Stainless Steel	CTB012SS	ZTB015ZM	CTB100SS		CTB103SS
AMI	ZMaRC Coated Cast Iron	ZMaRC	ZTB012ZM		ZTB100ZM	ZTB102ZM	ZTB103ZM
	Cast Stainless Steel	Stainless Steel	STB012SS		STB100SS		STB103SS
Dodge	Polymer	Black Oxide	UCTBL204-12MZ	UCTBL205-15MZ	UCTBL205-16MZ	UCTBL206-18MZ	UCTBL206-19MZ
	Polymer	Stainless Steel	MUCTBL204-12	MUCTBL205-15	MUCTBL205-16	MUCTBL206-18	MUCTBL206-19
Fafnir	Polymer	TDC	TB-SCEZ-012-PCR	TB-SCEZ-015-PCR	TB-SCEZ-100-PCR	TB-SCEZ-102-PCR	TB-SCEZ-103-PCR
	Cast Iron	52100 Steel	TB-SC-012	TB-SC-015	TB-SC-100	TB-SC-102	TB-SC-103
Hub City	Cast Iron	52100 Steel	STB ¾	STB 15/16	STB 1	STB 1 1/8	STB 1 1/4
Link Belt	Nickel Plated	Black Oxide	PT3-S212EK75	PT3-S215EK75	PT3-S216EK75	PT3-S218EK75	PT3-S219EK75
	Nylon Coated	Black Oxide	WPT3-S212E	WPT3-S215E	WPT3-S216E	WPT3-S218E	WPT3-S219E
McGill	Cast Iron	52100 Steel	TBC-25-¾	TBC-25-15/16	TBC-25-1	TBC-25-1 1/8	TBC-25-1 1/4
Sealmaster	Polymer Coated	TDC	BTB-12	BTB-15	BTB-16	BTB-18	BTB-19
	Cast Iron	52100 Steel	TB-12	TB-15	TB-16	TB-18	TB-19

Marathon Mounted Unit Basic Comparison – Inch Shafts

Four-Bolt Flange Units

	1¼"	1½"	1¾"	1⅞"	1"	1⅝"
MRC	C4F104ZMR C4F104SSR Z4F104ZMR S4F104SSR	C4F104ZM C4F104SS Z4F104ZM S4F104SS	C4F106SS S4F106SS	C4F107ZM C4F107SS Z4F107ZM S4F107SS	C4F108ZM C4F108SS Z4F108ZM S4F108SS	C4F115ZM Z4F115ZM
AMI	UCFPL206-20MZ MUCFPL206-20	UCFPL207-20MZ MUCFPL207-20	UCFPL207-22MZ MUCFPL207-22	UCFPL207-23MZ MUCFPL207-23	UCFPL208-24MZ MUCFPL208-24	
Dodge	F4B-SCEZ-104S-PCR F4B-SCEZ-104S-CR	F4B-SCEZ-104-PCR F4B-SCEZ-104-CR		F4B-SCEZ-107-PCR F4B-SCEZ-107-CR	F4B-SCEZ-108-PCR F4B-SCEZ-108-CR	F4B-SCEZ-115-PCR F4B-SCEZ-115-CR
Fafnir	YCJ 1¼ SPT YCJ 1¼ SNT	YCJ 1¼ PT YCJ 1¼ NT	YCJ 1⅜ PT YCJ 1⅜ NT	YCJ 1⅞ PT YCJ 1⅞ NT	YCJ 1½ PT YCJ 1½ NT	YCJ 1⅝ PT YCJ 1⅝ NT
Hub City	FB250N-1¼ S FB250-1¼ S	FB250N-1¼ FB250-1¼	FB250N-1⅜ FB250-1⅜	FB250N-1⅞ FB250-1⅞	FB250N-1½ FB250-1½	
Link-Belt	KF-S2E20 WF3-S2E20E	KF-S220 WF3-S220E	KF-S222 WF3-S222E	KF-S223 WF3-S223E	KF-S224 WF3-S224E	WF3-S231E
McGill	NFC4-25-1¼S FC4-25-1¼S	NFC4-25-1¼ FC4-25-1¼	NFC4-25-1⅜ FC4-25-1⅜	NFC4-25-1⅞ FC4-25-1⅞	NFC4-25-1½ FC4-25-1½	NFC4-25-1⅝ FC4-25-1⅝
Sealmaster	BF-20R SF-20RC-CR	BF-20 SF-20C-CR	BF-22 SF-22C-CR	BF-23 SF-23C-CR	BF-24 SF-24C-CR	BF-31 SF-31C-CR
SKF	FY 1¼ STR	FY 1¼ TR	FY 1⅜ TR	FY 1⅞ TR	FY 1½ TR	FY 1⅝ TR

Tapped-Base Pillow Blocks

	1¼"	1½"	1¾"	1⅞"	1"	1⅝"
MRC	CTB104ZMR CTB104SSR ZTB104ZMR STB104SSR	CTB104ZM CTB104SS ZTB104ZM STB104SS	CTB106SS STB106SS	CTB107ZM CTB107SS ZTB107ZM STB107SS	CTB108ZM CTB108SS ZTB108ZM STB108SS	CTB115ZM ZTB115ZM
AMI	UCTBL206-20MZ MUCTBL206-20	UCTBL207-20MZ MUCTBL207-20	UCTBL207-22MZ MUCTBL207-22	UCTBL207-23MZ MUCTBL207-23	UCTBL207-24MZ MUCTBL207-24	
Dodge	TB-SCEZ-104S-PCR TB-SC-104S	TB-SCEZ-104-PCR TB-SC-104	TB-SCEZ-106-PCR TB-SC-106	TB-SCEZ-107-PCR TB-SC-107	TB-SCEZ-108-PCR TB-SC-108	TB-SC-115
Fafnir	STB 1¼S	STB 1¼	STB 1⅜	STB 1⅞	STB 1½	
Hub City	TBP250-1¼S	TBP250-1¼	TBP250-1⅜	TBP250-1⅞	TBP250-1½	TBP250-1⅝
Link Belt	PT3-S2E20EK75 WPT3-S2E20E	PT3-S220EK75 WPT3-S220E	PT3-S222EK75 WPT3-S222E	PT3-S223EK75 WPT3-S223E	PT3-S224EK75 PT3-S224E	PT3-S231EK75 WPT3-S231E
McGill	TBC-25-1¼S	TBC-25-1¼	TBC-25-1⅜	TBC-25-1⅞	TBC-25-1½	TBC-25-1⅝
Sealmaster	BTB-20R TB-20R	BTB-20 TB-20	BTB-22 TB-22	BTB-23 TB-23	BTB-24 TB-24	BTB-31 TB-31

Marathon Mounted Unit Basic Comparison – Inch Shafts

3-Bolt Bracket Flange Units

	SHAFT DIAMETER		¾"	15/16"	1"	1 1/8"	1 1/4"
	HOUSING	INSERT BEARING					
MRC	Composite Composite	ZMaRC Stainless Steel	CBF012ZM CBF012SS	CBF015ZM	CBF100ZM CBF100SS	CBF102ZM	CBF103ZM CBF103SS
	Polymer	Black Oxide	UCFBL204-12MZ	UCFBL205-15MZ	UCFBL205-16MZ		
AMI	Polymer	Stainless Steel	MUCFBL204-12	MUCFBL205-15	MUCFBL205-16		
	Polymer	TDC	FB-SCEZ-012-CR	FB-SCEZ-015-CR	FB-SCEZ-100-CR	FB-SCEZ-102-CR	
Dodge	Nylon Coated	TDC	FB-SCEZ-012-NY	FB-SCEZ-015-NY	FB-SCEZ-100-NY	FB-SCEZ-102-NY	FB-SCEZ-103-NY
	Nickel Plated	Black Oxide	FB3-S212EK75	FB3-215EK75	FB3-S216EK75	FB3-S218EK75	FB3-S219EK75
Link Belt	Nylon Coated	Black Oxide	WFB3-S212E	WFB3-S215E	WFB3-S216E	WFB3-S218E	WFB3-S219E
	Nickel Plated	Black Oxide	NMFB-¾	NMFB-15/16	NMFB-1	NMFB-1 1/8	NMFB-1 1/4
McGill	Cast Iron	52100 Steel	MFB-¾	MFB-15/16	MFB-1	MFB-1 1/8	MFB-1 1/4
	Polymer Coated	TDC	BFB-12	BFB-15	BFB-16	BFB-18	BFB-19
Sealmaster	Polymer Coated	Black Oxide	FB-12C-CR	FB-15C-CR	FB-16C-CR	FB-18C-CR	FB-19C-CR

Narrow-Slot Take-Up Units

	SHAFT DIAMETER		¾"	15/16"	1"	1 1/8"	1 1/4"
	HOUSING	INSERT BEARING					
MRC	Composite Composite	ZMaRC Stainless Steel	CTN012ZM CTN012SS	CTN015ZM	CTN100ZM CTN100SS	CTN102ZM	CTN103ZM CTN103SS
	Polymer	TDC	NSTU-SCEZ-012-PCR	NSTU-SCEZ-015-PCR	NSTU-SCEZ-100-PCR	NSTU-SCEZ-102-PCR	NSTU-SCEZ-103-PCR
Dodge	Nickel Plated	52100 Steel	NSTU-SCNP-012	NSTU-SCNP-015	NSTU-SCNP-100	NSTU-SCNP-102	NSTU-SCNP-103
	Nickel Plated	52100 Steel	TU250N-¾	TU250N-15/16	TU250N-1	TU250N-1 1/8	TU250N-1 1/4
Hub City	Cast Iron	52100 Steel	TU250-¾	TU250-15/16	TU250-1	TU250-1 1/8	TU250-1 1/4

Wide Slot Take-up Frames

	SHAFT DIAMETER		¾"	15/16"	1"	1 1/8"	1 1/4"
	HOUSING	INSERT BEARING					
MRC	Composite Composite	ZMaRC Stainless Steel	CTW012ZM CTW012SS	CTW015ZM	CTW100ZM CTW100SS	CTW102ZM	CTW103ZM CTW103SS
	Polymer	Black Oxide	UCTPL204-12MZ	UCTPL205-15MZ	UCTPL205-16MZ	UCTPL206-18MZ	UCTPL206-19MZ
AMI	Polymer	Stainless Steel	MUCTPL204-12	MUCTPL205-15	MUCTPL205-16	MUCTPL206-18	MUCTPL206-19
	Polymer	TDC	WSTU-SCEZ-012-PCR	WSTU-SCEZ-015-PCR	WSTU-SCEZ-100-PCR	WSTU-SCEZ-102-CR	WSTU-SCEZ-103-PCR
Dodge	Nickel Plated	52100 Steel	WSTU-SCNP-012	WSTU-SCNP-015	WSTU-SCNP-100	WSTU-SCNP-102	WSTU-SCNP-103
Hub City	Ductile Iron	52100 Steel	WSTU-¾	WSTU-15/16	WSTU-1	WSTU-1 1/8	WSTU-1 1/4
	Nickel Plated	Black Oxide	TH3-S212EK75	TH3-S215EK75	TH3-S216EK75	TH3-S218EK75	TH3-S219EK75
Link Belt	Nylon Coated	Black Oxide	WTH3-S212E	WTH3-S215E	WTH3-S216E	WTH3-S218E	WTH3-S219E
McGill	Nickel Plated	Black Oxide	NTC-25-¾	NTC-25-15/16	NTC-25-1	NTC-25-1 1/8	NTC-25-1 1/4
	Polymer	TDC	BST-12	BST-15	BST-16	BST-18	BST-19
Sealmaster	Polymer	Black Oxide	ST-12	ST-15	ST-16	ST-18	ST-19
SKF	Cast Iron	52100 Steel	TU ¾TR	TU 15/16 TR	TU1TR	TU 1 1/8TR	TU 1 1/4TR

Marathon Mounted Unit Basic Comparison – Inch Shafts

3-Bolt Bracket Flange Units

	1¼"	1½"	1¾"	1⅞"	1⅝"	1⅞"
MRC	CBF104ZMR CBF104SSR	CBF104ZM CBF104SS	CBF106SS	CBF107ZM CBF107SS	CBF108ZM CBF108SS	CBF115ZM
AMI						
Dodge	FB-SCEZ-1045-CR FB-SCEZ-1045-NY	FB-SCEZ-104-CR	FB-SCEZ-106-CR	FB-SCEZ-107-CR		
Link Belt	FB3-S2E20EK75 WFB3-S2E20E	FB3-S220EK75 WFB3-S220E	FB3-S222EK75 WFB3-S222E	FB3-S223EK75 WFB3-S223E		
McGill	NMFB-1¼S MFB-1¼S	NMFB-1¼ MFB-1¼	NMFB-1⅜ MFB-1⅜	NMFB-1⅞ MFB-1⅞		NMFB-1⅞ MFB-1⅞
Sealmaster	BFB-20R FB-20RC-CR	BFB-20 FB-20C-CR	BFB-22 FB-22C-CR	BFB-23 FB-23C-CR	BFB-24 FB-24C-CR	BFB-31 FB-31C-CR

Narrow-Slot Take-Up Units

	1¼"	1½"	1¾"	1⅞"	1⅝"	1⅞"
MRC	CTN104ZMR CTN104SSR	CTN104ZM CTN104SS	CTN106SS	CTN107ZM CTN107SS	CTN108ZM CTN108SS	CTN115ZM
Dodge	NSTU-SCEZ-104S-PCR NSTU-SCNP-1045	NSTU-SCEZ-104-PCR NSTU-SCNP-104	NSTU-SCEZ-106-PCR NSTU-SCNP-106	NSTU-SCEZ-107-PCR NSTU-SCNP-107	NSTU-SCEZ-108-PCR NSTU-SCNP-108	NSTU-SCEZ-115-PCR NSTU-SCNP-115
Hub City	TU250N-1⅞S TU250-1⅞S	TU250N-1⅞ TU250-1⅞	TU250N-1⅞ TU250-1⅞	TU250N-1⅞ TU250-1⅞	TU250N-1⅞ TU250-1⅞	TU250N-1⅞ TU250-1⅞

Wide Slot Take-up Frames

	1¼"	1½"	1¾"	1⅞"	1⅝"	1⅞"
MRC	CTW104ZMR CTW104SSR	CTW104ZM CTW104SS	CTW106SS	CTW107ZM CTW107SS	CTW108ZM CTW108SS	CTW115ZM
AMI	UCTPL206-20MZ MUCTPL206-20	UCTPL207-20MZ MUCTPL207-20	UCTPL207-22MZ MUCTPL207-22	UCTPL207-23MZ MUCTPL207-23	UCTPL208-24MZ MUCTPL208-24	
Dodge	WSTU-SCEZ-104S-PCR WSTU-SCNP-104S	WSTU-SCEZ-104-PCR WSTU-SCNP-104	WSTU-SCEZ-106-PCR WSTU-SCNP-106	WSTU-SCEZ-107-PCR WSTU-SCNP-107	WSTU-SCEZ-108-PCR WSTU-SCNP-108	WSTU-SCEZ-115-PCR WSTU-SCNP-115
Hub City	WSTU-1⅞S	WSTU-1⅞	WSTU-1⅞	WSTU-1⅞	WSTU-1⅞	WSTU-1⅞
Link Belt	TH3-S2E20EK75 WTH3-S2E20E	TH3-S220EK75 WTH3-S220E	TH3-S222EK75 WTH3-S222E	TH3-S223EK75 WTH3-S223E	TH3-S224EK75 WTH3-S224E	TH3-S231E WTH3-S231E
McGill	NTC-25-1⅞S	NTC-25-1⅞	NTC-25-1⅞	NTC-25-1⅞	NTC-25-1⅞	NTC-25-1⅞
Sealmaster	BST-20R ST-20R	BST-20 ST-20	BST-22 ST-22	BST-23 ST-23	BST-24 ST-24	BST-31 ST-31
SKF	TU 1¼STR	TU 1½TR	TU 1¾TR	TU 1⅞TR	TU 1⅝TR	TU 1⅞TR

Marathon Mounted Unit Basic Comparison – Metric Shafts

Pillow Blocks

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING		INSERT BEARING					
MRC	Composite	ZMaRC	CPB20ZM	CPB25ZM	CPB30ZM	CPB35ZM	CPB40ZM
	Composite	Stainless Steel	CPB20SS	CPB25SS	CPB30SS	CPB35SS	CPB40SS
AMI	ZMaRC Coated Cast Iron	ZMaRC	ZPB20ZM	ZPB25ZM	ZPB30ZM	ZPB35ZM	ZPB40ZM
	Cast Stainless Steel	Stainless Steel	SPB20SS	SPB25SS	SPB30SS	SPB35SS	SPB40SS
Dodge	Polymer	Black Oxide	UCPPL-204MZ	UCPPL-205MZ	UCPPL-206MZ	UCPPL-207MZ	UCPPL-208MZ
	Cast Iron	Stainless Steel	MUCPPL-204	MUCPPL-205	MUCPPL-206	MUCPPL-207	MUCPPL-208
Fafnir	Polymer	TDC	P2B-SCEZ-20M-WCR	P2B-SCEZ-25M-WCR	P2B-SCEZ-30M-WCR	P2B-SCEZ-35M-WCR	P2B-SCEZ-40M-WCR
	Cast Iron	52100 Steel	P2B-SC-20M	P2B-SC-25M	P2B-SC-30M	P2B-SC-35M	P2B-SC-40M
Link-Belt	Polymer	52100 Steel	YAS20	YAS25	YAS30	YAS35	YAS40
	Cast Iron	TDC	YAS20PT	YAS25PT	YAS30PT	YAS35PT	YAS40PT
McGill	Nickel Plated	Black Oxide	P3-U2M20NK75	P3-U2M25NK75	P3-U2M30NK75	P3-U2M35NK75	P3-U2M40NK75
	Cast Iron	52100 Steel	P3-U2M20N	P3-U2M25N	P3-U2M30N	P3-U2M35N	P3-U2M40N
Sealmaster	Nickel Plated	Black Oxide	NC-25-20	NC-25-25	NC-25-30	NC-25-35	NC-25-40
	Cast Iron	52100 Steel	C-25-20	C-25-25	C-25-30	C-25-35	C-25-40
SKF	Nickel Plated	Black Oxide	NP-204NK	NP-205NK	NP-206NK	NP-207NK	NP-208NK
	Cast Iron	52100 Steel	NP-204	NP-205	NP-206	NP-207	NP-208
SKF	Cast Iron	52100 Steel	SY20TR	SY25TR	SY30TR	SY35TR	SY40TR

Two-Bolt Flange Units

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING		INSERT BEARING					
MRC	Composite	ZMaRC	C2F20ZM	C2F25ZM	C2F30ZM	C2F35ZM	C2F40ZM
	Composite	Stainless Steel	C2F20SS	C2F25SS	C2F30SS	C2F35SS	C2F40SS
AMI	ZMaRC Coated Cast Iron	ZMaRC	Z2F20ZM	Z2F25ZM	Z2F30ZM	Z2F35ZM	Z2F40ZM
	Cast Stainless Steel	Stainless Steel	S2F20SS	S2F25SS	S2F30SS	S2F35SS	S2F40SS
Dodge	Polymer	Black Oxide	UCNFL-204MZ	UCNFL-205MZ	UCNFL-206MZ	UCNFL-207MZ	UCNFL-208MZ
	Cast Iron	Stainless Steel	MUCNFL-204	MUCNFL-205	MUCNFL-206	MUCNFL-207	MUCNFL-208
Fafnir	Polymer	TDC	F2B-SCEZ-20M-WCR	F2B-SCEZ-25M-WCR	F2B-SCEZ-30M-WCR	F2B-SCEZ-35M-WCR	F2B-SCEZ-40M-WCR
	Cast Iron	52100 Steel	F2B-SC-20M	F2B-SC-25M	F2B-SC-30M	F2B-SC-35M	F2B-SC-40M
Link-Belt	Polymer	52100 Steel	YCJT20PT	YCJT25PT	YCJT30PT	YCJT35PT	YCJT40PT
	Nylon Coated	TDC	YCJT20	YCJT25	YCJT30	YCJT35	YCJT40
McGill	Nickel Plated	Black Oxide	KFX-2M20E	KFX-2M25E	KFX-2M30E	KFX-2M35E	KFX-2M40E
	Cast Iron	Black Oxide	KLFX-2M20E	KLFX-2M25E	KLFX-2M30E	KLFX-2M35E	KLFX-2M40E
Sealmaster	Nickel Plated	Black Oxide	NFC2-25-20	NFC2-25-25	NFC2-25-30	NFC2-25-35	NFC2-25-40
	Cast Iron	52100 Steel	FC2-25-20	FC2-25-25	FC2-25-30	FC2-25-35	FC2-25-40
SKF	Nickel Plated	Black Oxide	SFT-204NK	SFT-205NK	SFT-206NK	SFT-207NK	SFT-208NK
	Cast Iron	52100 Steel	SFT-204	SFT-205	SFT-206	SFT-207	SFT-208
SKF	Cast Iron	52100 Steel	FYBT20TR	FYBT25TR	FYBT30TR	FYBT35TR	FYBT40TR

Four-Bolt Flange Units

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING		INSERT BEARING					
MRC	Composite	ZMaRC	C4F20ZM	C4F25ZM	C4F30ZM	C4F35ZM	C4F40ZM
	Composite	Stainless Steel	C4F20SS	C4F25SS	C4F30SS	C4F35SS	C4F40SS
AMI	ZMaRC Coated Cast Iron	ZMaRC	Z4F20ZM	Z4F25ZM	Z4F30ZM	Z4F35ZM	Z4F40ZM
	Cast Stainless Steel	Stainless Steel	S4F20SS	S4F25SS	S4F30SS	S4F35SS	S4F40SS
Dodge	Polymer	Black Oxide	UCFPL-204MZ	UCFPL-205MZ	UCFPL-206MZ	UCFPL-207MZ	UCFPL-208MZ
	Cast Iron	Stainless Steel	MUCFPL-204	MUCFPL-205	MUCFPL-206	MUCFPL-207	MUCFPL-208
Fafnir	Polymer	TDC	F4B-SCEZ-20M-WCR	F4B-SCEZ-25M-WCR	F4B-SCEZ-30M-WCR	F4B-SCEZ-35M-WCR	F4B-SCEZ-40M-WCR
	Cast Iron	52100 Steel	F4B-SC-20M	F4B-SC-25M	F4B-SC-30M	F4B-SC-35M	F4B-SC-40M
Link-Belt	Polymer	52100 Steel	YCJ20PT	YCJ25PT	YCJ30PT	YCJ35PT	YCJ40PT
	Teflon Coated	TDC	YCJ20	YCJ25	YCJ30	YCJ35	YCJ40
McGill	Nickel Plated	Black Oxide	KF-2M25E	KF-2M30E	KF-2M35E	KF-2M40E	KF-2M45E
	Cast Iron	Black Oxide	KLF-2M25E	KLF-2M30E	KLF-2M35E	KLF-2M40E	KLF-2M45E
Sealmaster	Nickel Plated	Black Oxide	NFC4-25-20	NFC4-25-25	NFC4-25-30	NFC4-25-35	NFC4-25-40
	Cast Iron	52100 Steel	FC4-25-20	FC4-25-25	FC4-25-30	FC4-25-35	FC4-25-40
SKF	Nickel Plated	Black Oxide	SF-204NK	SF-205NK	SF-206NK	SF-207NK	SF-208NK
	Cast Iron	52100 Steel	SF-204	SF-205	SF-206	SF-207	SF-208
SKF	Cast Iron	52100 Steel	FY20TR	FY25TR	FY30TR	FY35TR	FY40TR

Marathon Mounted Unit Basic Comparison – Metric Shafts

Tapped-Base Pillow Blocks

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING	INSERT BEARING						
MRC	Composite	ZMaRC	CTB20ZM	CTB25ZM	CTB30ZM	CTB35ZM	CTB40ZM
	Composite	Stainless Steel	CTB20SS	CTB25SS	CTB30SS	CTB35SS	CTB40SS
	ZMaRC Coated Cast Iron	ZMaRC	ZTB20ZM	ZTB25ZM	ZTB30ZM	ZTB35ZM	ZTB40ZM
	Cast Stainless Steel	Stainless Steel	STB20SS	STB25SS	STB30SS	STB35SS	STB40SS
AMI	Polymer	Black Oxide	UCTBL-204MZ	UCTBL-205MZ	UCTBL-206MZ	UCTBL-207MZ	UCTBL-208MZ
	Polymer	Stainless Steel	MUCTBL-204	MUCTBL-205	MUCTBL-206	MUCTBL-207	MUCTBL-208
Fafnir	Cast Iron	52100 Steel	STB20	STB25	STB30	STB35	STB40
McGill	Cast Iron	52100 Steel	TBC-25-20	TBC-25-25	TBC-25-30	TBC-25-35	TBC-25-40
Sealmaster	Cast Iron	52100 Steel	TB-204	TB-205	TB-206	TB-207	TB-208

3-Bolt Bracket Flange Units

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING	INSERT BEARING						
MRC	Composite	ZMaRC	CBF20ZM	CBF25ZM	CBF30ZM	CBF35ZM	CBF40ZM
	Composite	Stainless Steel	CBF20SS	CBF25SS	CBF30SS	CBF35SS	CBF40SS
AMI	Cast Iron	52100 Steel	UCFK-204	UCFK-205	UCFK-206	UCFK-207	UCFK-208
McGill	Nickel Plated	Black Oxide	NMFB-20	NMFB-25	NMFB-30	NMFB-35	NMFB-40
Sealmaster	Cast Iron	52100 Steel	FB-204	FB-205	FB-206	FB-207	FB-208

Narrow-Slot Take-Up Units

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING	INSERT BEARING						
MRC	Composite	ZMaRC	CTN20ZM	CTN25ZM	CTN30ZM	CTN35ZM	CTN40ZM
	Composite	Stainless Steel	CTN20SS	CTN25SS	CTN30SS	CTN35SS	CTN40SS
Dodge	Nickel Plated	52100 Steel	NSTUSC20MNP	NSTUSC25MNP	NSTUSC30MNP	NSTUSC35MNP	NSTUSC40MNP
	Cast Iron	52100 Steel	NSTUSC20M	NSTUSC25M	NSTUSC30M	NSTUSC35M	NSTUSC40M

Wide-Slot Take-Up Units

SHAFT DIAMETER		20mm	25mm	30mm	35mm	40mm	
HOUSING	INSERT BEARING						
MRC	Composite	ZMaRC	CTW20ZM	CTW25ZM	CTW30ZM	CTW35ZM	CTW40ZM
	Composite	Stainless Steel	CTW20SS	CTW25SS	CTW30SS	CTW35SS	CTW40SS
AMI	Polymer	Black Oxide	UCTPL-204MZ	UCTPL-205MZ	UCTPL-206MZ	UCTPL-207MZ	UCTPL-208MZ
	Polymer	Stainless Steel	MUCTPL-204	MUCTPL-205	MUCTPL-206	MUCTPL-207	MUCTPL-208
Dodge	Cast Iron	52100 Steel	WSTU-SC-20M	WSTU-SC-25M	WSTU-SC-30M	WSTU-SC-35M	WSTU-SC-40M
Sealmaster	Polymer	Black Oxide	ST-204	ST-205	ST-206	ST-207	ST-208
SKF	Cast Iron	52100 Steel	TU20TR	TU25TR	TU30TR	TU35TR	TU40TR



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