Flange Units

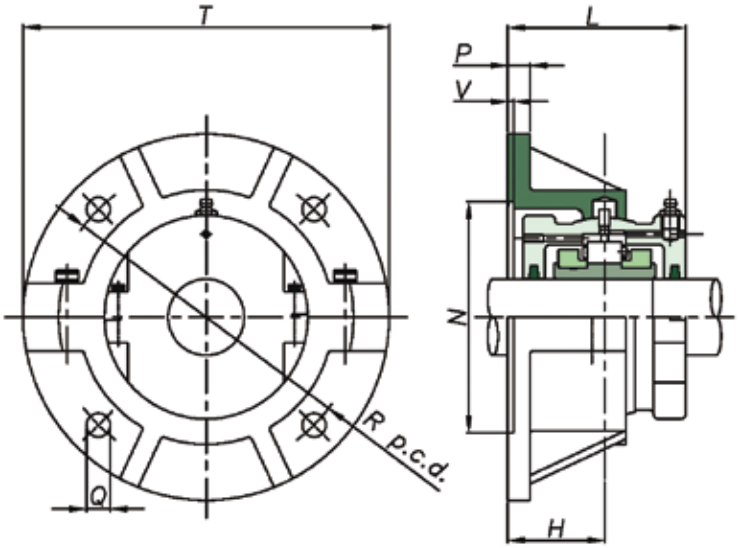
When faced with flat horizontal or vertical faces, flange units offer a simple mounting solution.
As with Pillow block supports, Flange units are produced with spherical location to accommodate standard bearing housings and provide easy initial alignment of shaft and equipment.

To facilitate positive location of the flange to the surface, the rear face is recessed (dimensions N & V). This allows for a spigot (Tolerance f8) to be located into the flange.

Bearing inspection is simply a matter of removing the top half of the flange and housing. Bearing replacement may also be achieved in the same manner if required.

When integrating flange units into new applications, it should be noted that a maximum radial load equivalent to $0.26C_{or}$ is permissible. A maximum axial load of $0.25C_{a}$ must also be taken into account for applications with thrust loading. Units for vertically oriented shafts may also need special consideration given to sealing arrangements.

As always, SRB Technical Services will be happy to advise on any application issues.



Medium Series Support

50mm to 300mm Flanges

Medium Series 50mm to 300mm Flanges

Shaft (d) mm	Shaft (d) inch	Flange Reference	T	Bolts	R	P	H	N	V	L
45 50	1 11/16 1 3/4 1 15/16 2	F03	260 10.2	4 x M12	218 8.6	16 0.6	67 2.6	166.9 6.571	3 0.1	124 4.9
55 60 65	2 3/16 2 1/4 2 7/16 2 1/2	F04	286 11.3	4 x M12	242 9.5	16 0.6	73 2.9	192.09 7.563	3 0.1	136 5.4
70 75	2 11/16 2 3/4 2 15/16 3	F05	330 13.0	4 x M16	274 10.8	19 0.7	79 3.1	215.9 8.500	3 0.1	150 5.9
80 85 90	3 3/16 3 1/4 3 7/16 3 1/2	F06	356 14.0	4 x M16	302 11.9	19 0.7	86 3.4	244.47 9.625	3 0.1	164 6.5
100 105	3 11/16 3 3/4 3 15/16 4	F07	382 15.0	4 x M16	334 13.1	22 0.9	92 3.6	276.22 10.875	3 0.1	166 6.5
110 115	4 3/16 4 1/4 4 7/16 4 1/2	F08	432 17.0	4 x M24	374 14.7	22 0.9	98 3.9	314.32 12.375	3 0.1	180 7.1
120 125 130	4 11/16 4 3/4 4 15/16 5	F10	470 18.5	4 x M24	412 16.2	25 1.0	114 4.5	346.07 13.625	3 0.1	206 8.1
135 140	5 3/16 5 1/4 5 7/16 5 1/2	F30	508 20.0	4 x M24	444 17.5	25 1.0	114 4.5	377.82 14.875	3 0.1	208 8.2
150 155 160A	5 11/16 5 3/4 5 15/16 6	F31	534 21.0	4 x M24	466 18.3	25 1.0	124 4.9	393.70 15.500	3 0.1	226 8.9
160 170	6 7/16 6 1/2	F32	584 23.0	4 x M30	508 20.0	29 1.1	124 4.9	428.62 16.875	5 0.2	240 9.4
175 180	6 11/16 6 3/4 6 15/16 7	F33	596 23.5	4 x M30	524 20.6	32 1.3	130 5.1	444.50 17.500	5 0.2	252 9.9
190 200	7 1/4 7 1/2 7 15/16 8	F34	648 25.5	4 x M30	572 22.5	32 1.3	137 5.4	492.12 19.375	5 0.2	266 10.5
220 230	8 1/2 8 7/8 9	F35	712 28.0	4 x M36	620 24.4	35 1.4	146 5.7	527.05 20.750	5 0.2	284 11.2
240 250 260	9 1/2 9 3/4 10	F36	736 29.0	4 x M36	660 26.0	38 1.5	149 5.9	568.32 22.375	5 0.2	290 11.4
270 280	10 1/2 10 3/4 11	F37	762 30.0	8 x M30	682 26.9	38 1.5	159 6.3	603.25 23.750	5 0.2	310 12.2
300 305	11 1/2 12	F38	788 31.0	8 x M30	708 27.9	41 1.6	162 6.4	628.65 24.750	5 0.2	316 12.4

For Bearings and Housings see pages 35 – 40