

Flange Units

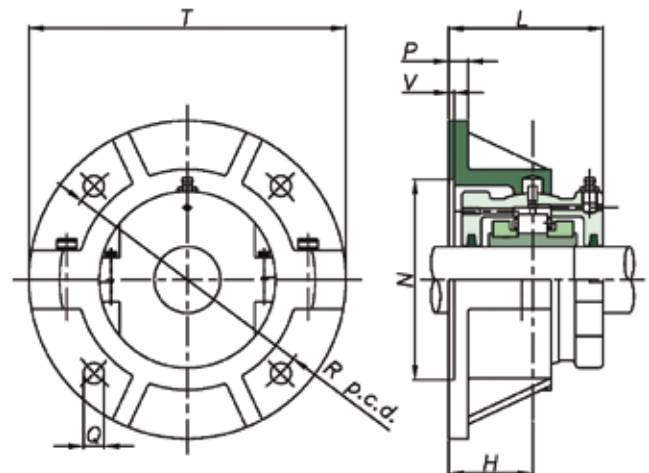
When faced with flat horizontal or vertical faces, flange units offer a simple mounting solution. As with Pillow block supports, Flange units are produced with spherical location to accommodate standard bearing housings and provide easy initial alignment of shaft and equipment.

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.



Flange Units										
Shaft (d) mm	inch	Flange Reference	T	Bolts	R	P	H	N	V	L
125	4 ¹⁵ / ₁₆	F56	530	4 x M24	460	34	122	390.45	7	233
130	5		20.9		18.1	1.3	4.8	15.372	0.3	9.2
150	5 ¹¹ / ₁₆	F58	648	4 x M24	574	44	137	495.35	7	264
155	5 ¹⁵ / ₁₆		25.5		22.6	1.7	5.4	19.502	0.3	10.4
	6									
175	6 ³ / ₄	F60	724	4 x M24	638	44	156	546.15	8	298
180	6 ¹⁵ / ₁₆		28.5		25.1	1.7	6.1	21.502	0.3	11.7
	7									
240	9 ¹ / ₂	F63	890	4 x M24	796	48	181	692.20	8	348
250	9 ³ / ₄		35.0		31.3	1.9	7.1	27.252	0.3	13.7
260	10									

For Bearings and Housings see pages 47 – 50