

BEARING SELECTION

Thrust load, shaft RPM, oil viscosity and shaft diameter through the bearing determine the bearing size to be selected.

Size the bearing for normal load and speed when transient load and speed are within 20% of normal conditions. If transients exceed 120% of normal, please consult our Engineering Department for specific

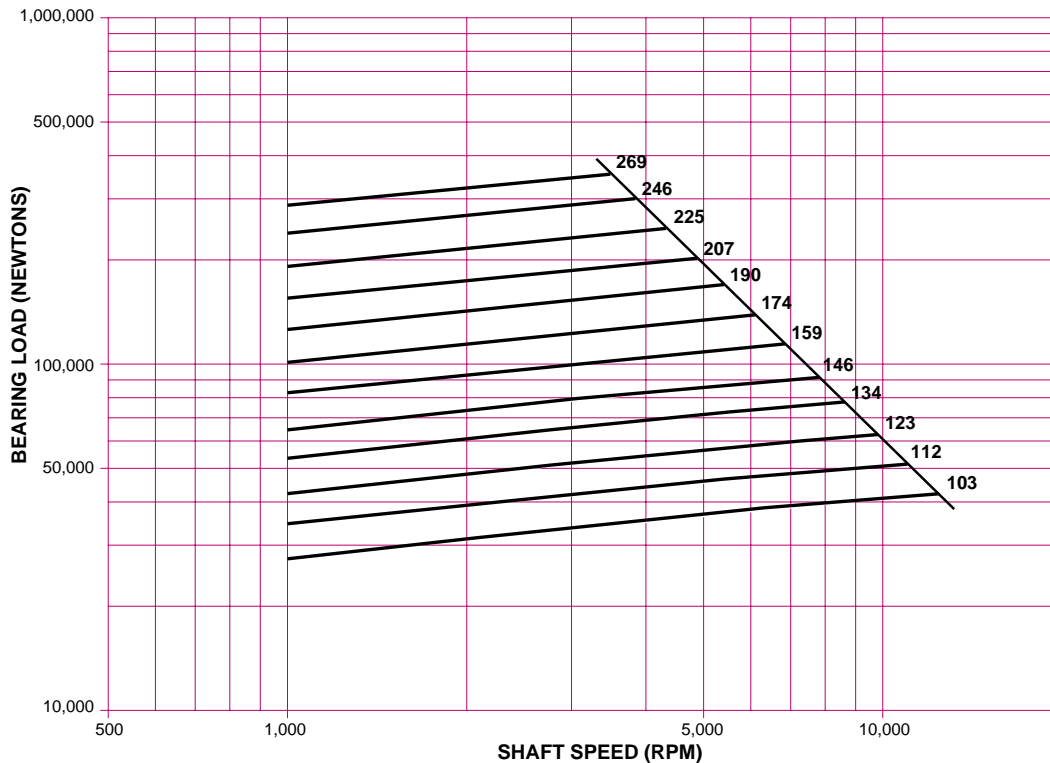
recommendations.

Friction losses are based on recommended flow rates and an evacuated drain cavity. To calculate friction losses for double element bearings, add 10% to the values in these graphs to accommodate the slack-side bearing.

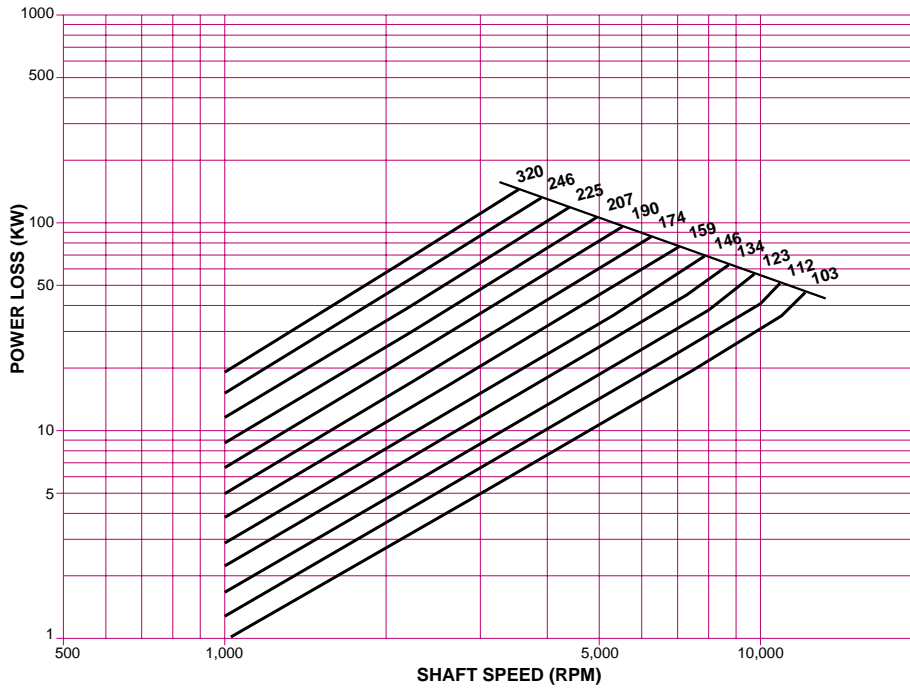
To calculate lubricant supply for double element bearings, add 20% to the values in these graphs.

All curves are based on an oil viscosity of ISO VG32, with an inlet oil temperature of 50° C. We recommend ISO VG32 oil viscosity for moderate through high speed applications. For other oil viscosities, consult our Engineering Department for assistance in bearing selection, frictional losses and oil flow requirements.

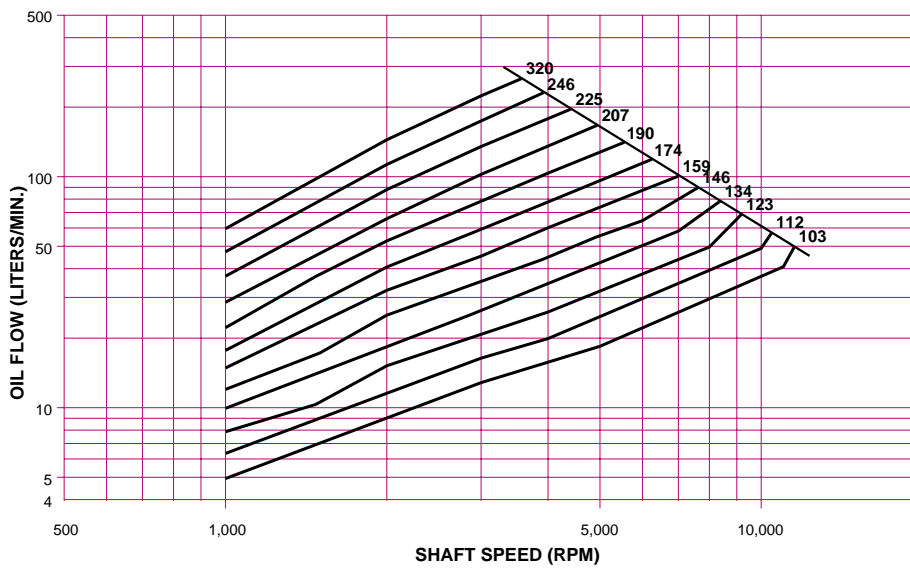
RATED LOAD FOR 18-PAD LEG BEARINGS

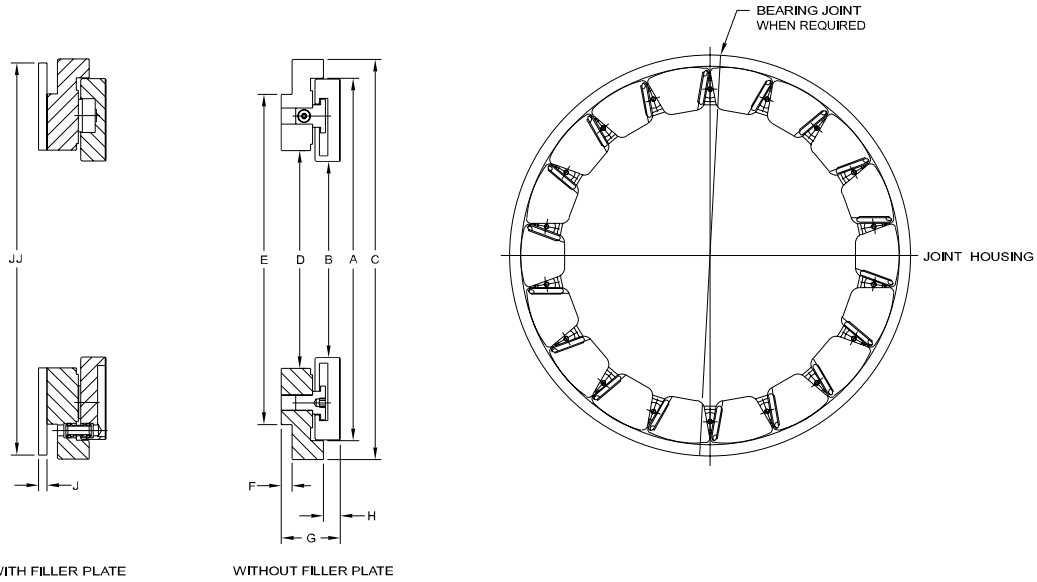


**FRICTIONAL LOSS FOR SINGLE ELEMENT
18-PAD LEG BEARINGS**



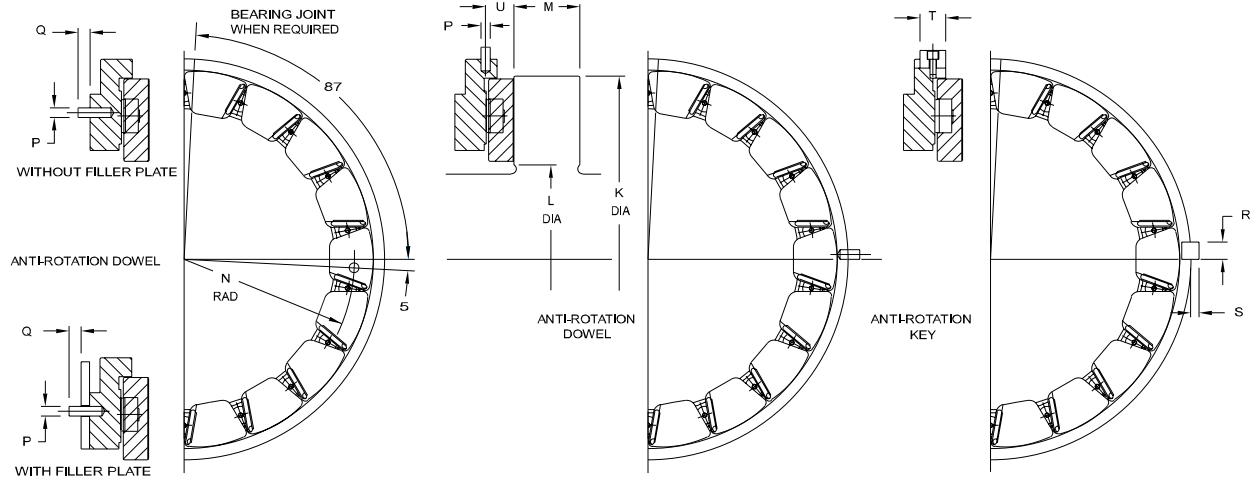
**RECOMMENDED LUBRICANT SUPPLY FOR SINGLE ELEMENT
18-PAD LEG BEARINGS**





BEARING SERIES "18" PAD ALL DIMENSIONS ARE IN MM

Pad Series	Thrust Pad		Bearing Area Sq. MM	Base Ring					Thickness	
	Dia "A"	Dia "B"		Dia "C" Bearing	Dia "C" Housing	Dia "D"	Dia "E"	Dim "F"	Dim "G"	Dim "H"
103	224	171.4	11575	244.43/244.48	244.53/244.48	178	206.2	7.9	23.823/23.767	4.7
112	244	187.4	13846	266.64/266.59	266.75/266.70	195	227.0	8.7	25.413/25.357	4.6
123	267	204.7	16349	288.87/288.82	288.98/288.93	213	249.1	8.4	28.593/28.537	6.5
134	292	224.0	19904	317.44/317.38	317.56/317.50	232	274.5	9.7	30.173/30.117	6.1
146	318	243.3	23505	346.02/345.96	346.14/346.08	254	299.9	10.7	31.763/31.707	6.7
159	346	265.4	28924	374.59/374.53	374.71/374.65	277	327.1	12.2	34.943/34.887	7.9
174	378	289.5	34170	406.33/406.27	406.46/406.40	302	355.6	13.3	38.113/38.057	8.1
190	413	316.2	42370	444.43/444.37	444.56/444.50	330	387.3	14.5	41.295/41.224	9.3
207	451	345.7	50693	482.53/482.47	482.66/482.60	359	425.4	15.0	44.465/44.394	11.4
225	492	377.9	61713	526.97/526.90	527.12/527.05	392	465.0	14.0	47.645/47.574	12.6
246	536	411.6	71256	571.42/571.35	571.57/571.50	429	508.8	16.4	50.815/50.744	12.8
269	584	447.8	83644	622.22/622.15	622.37/622.30	467	553.9	17.4	53.995/53.924	14.0



BEARING SERIES '18' PAD

ALL DIMENSIONS ARE IN MM

Pad Series	Filler Plate		Collar			Anti Rotation Dowel/Key							Total End Play	Approx. Weight Less Filler Plate kg
	Dia "J"	Dim "J" Min	Dia "K" O.D.	Dia "L" Undercut	Dim "M" Width	Rad "N" Dowel P.C.	Dia "P" Dowel	Dim "Q" Dowel Out	Dim "R" Key-Width	Dim "S" Key-Out	Dim "T" Key-Length	Dim "U"		
103	238	4.8	227	168	17	100.1	7.9	8	-	-	-	10.7	0.30	2.99
112	260	6.4	248	184	19	109.5	9.5	8	-	-	-	12.6	0.30	3.85
123	282	6.4	270	202	21	119.1	9.5	8	-	-	-	13.6	0.30	4.97
134	311	6.4	295	221	22	130.2	11.1	8	-	-	-	15.1	0.35	6.46
146	339	6.4	321	240	24	141.3	11.1	8	-	-	-	15.7	0.35	8.21
159	368	6.4	349	262	27	154.0	12.7	10	15.9	5.6	22.2	-	0.35	10.36
174	400	6.4	381	286	30	168.3	12.7	10	15.9	5.6	25.4	-	0.40	13.13
190	438	9.5	419	311	32	184.2	15.9	13	15.9	5.6	25.4	-	0.40	16.93
207	476	9.5	457	340	35	201.6	15.9	13	19.1	6.4	28.6	-	0.40	21.86
225	523	9.5	498	371	38	219.1	19.1	13	19.1	6.4	28.6	-	0.50	27.56
246	565	9.5	543	406	43	238.1	19.1	13	22.2	8	31.8	-	0.50	34.50
269	615	9.5	591	441	48	260.4	22.2	16	22.2	8	31.8	-	0.50	42.71