

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

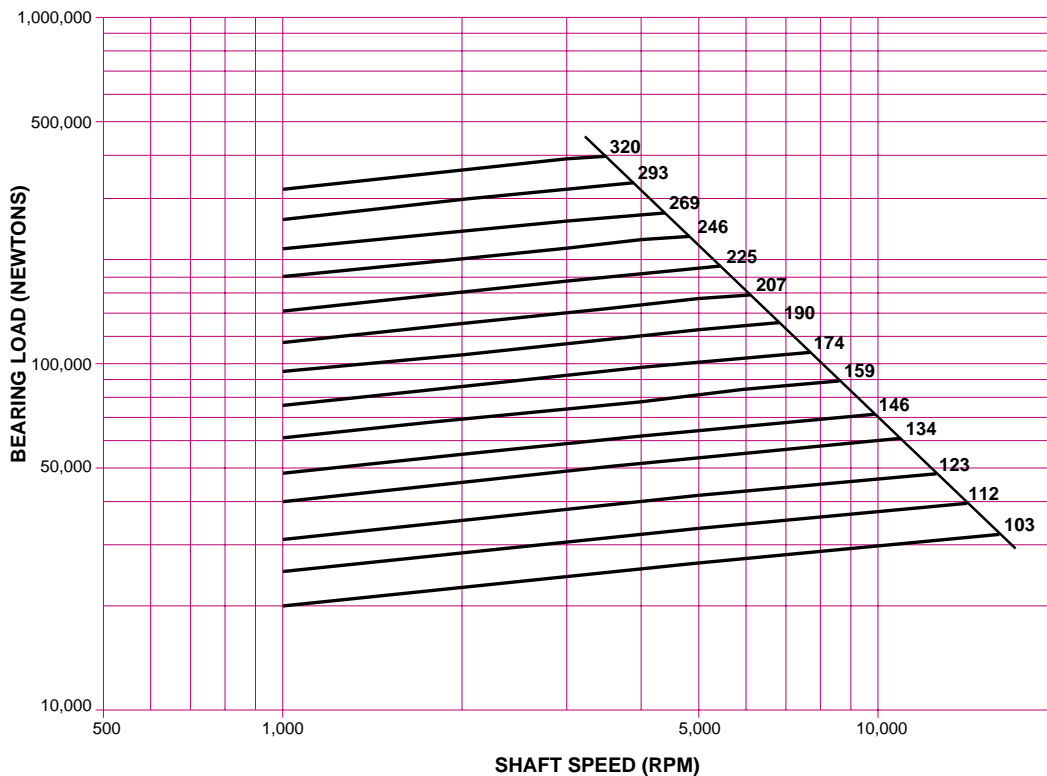
recommendations.

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.

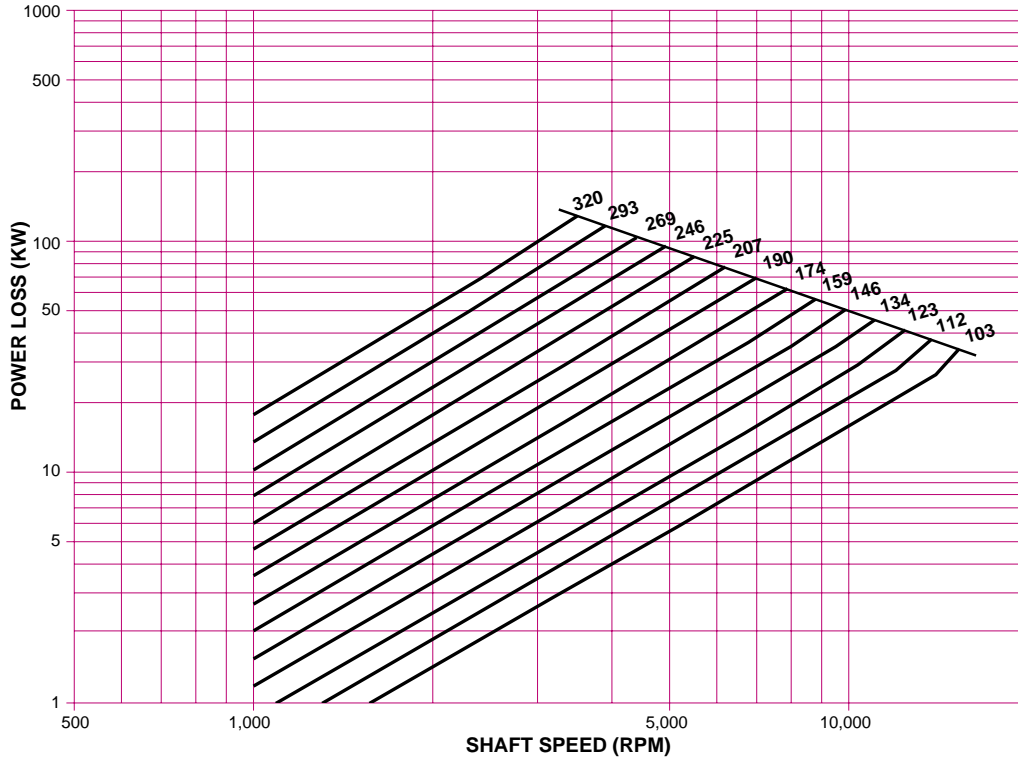
To calculate lubricant supply for double element bearings, add 20% to the values in these graphs.

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.

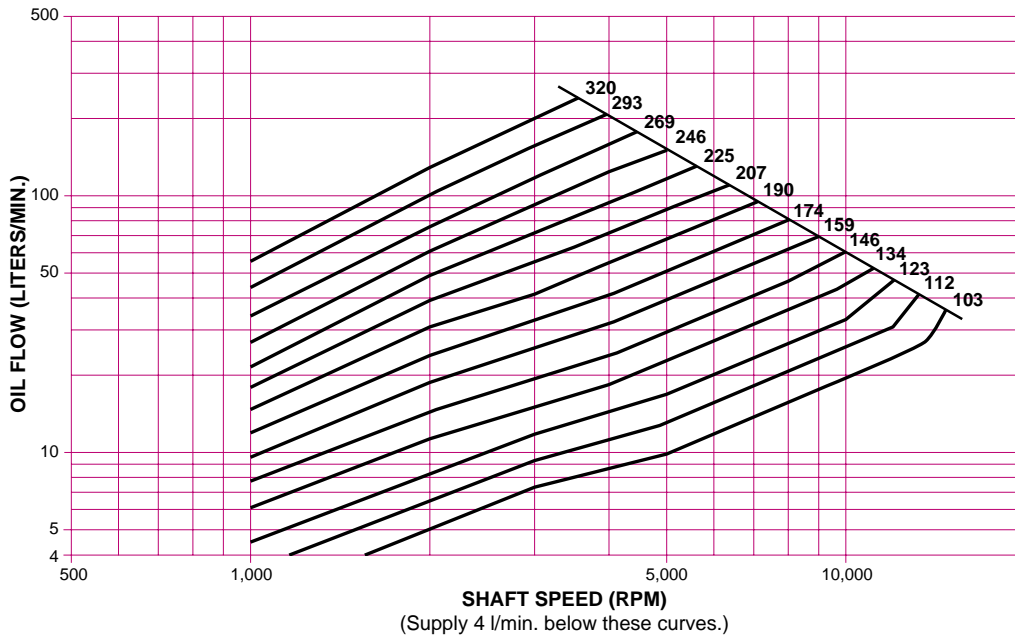
RATED LOAD FOR 14-PAD LEG BEARINGS

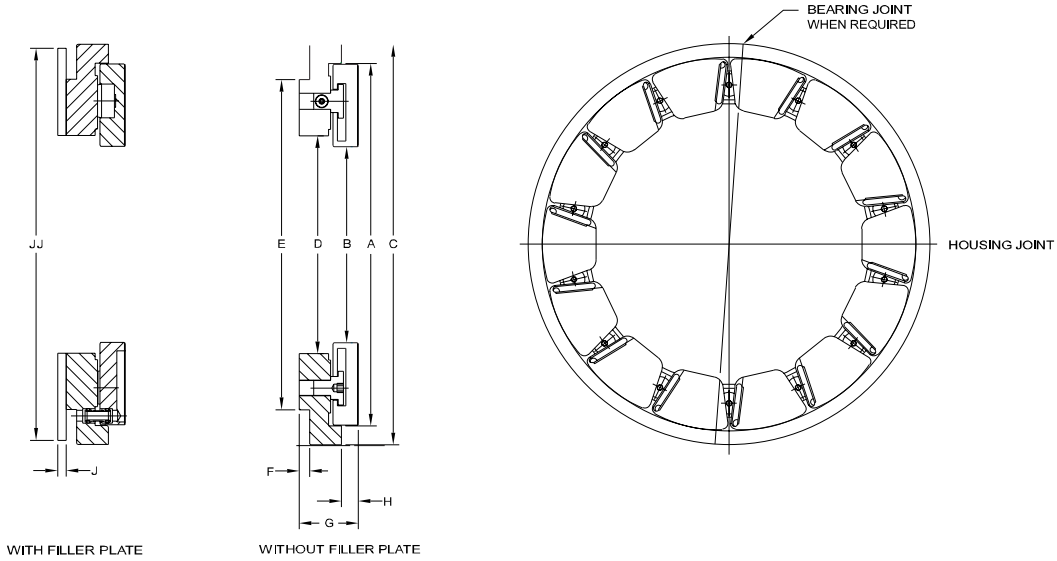


**FRictional LOSS FOR SINGLE ELEMENT
14-PAD LEG BEARINGS**



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

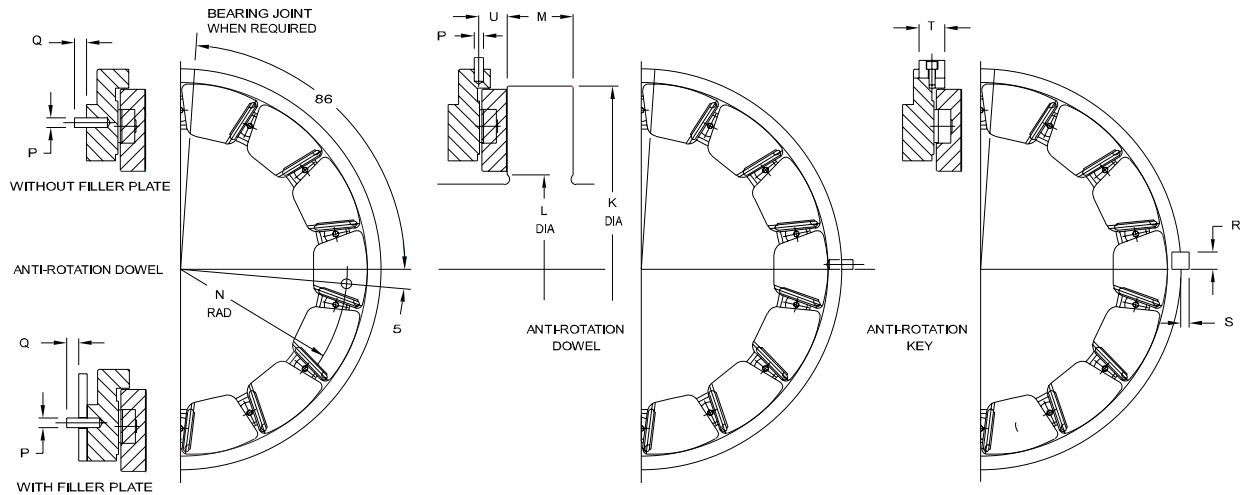




BEARING SERIES "14" PAD

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	181	128.5	9001	199.98/199.93	200.08/200.03	135	164.3	5.9	22.243/22.187	5.2
112	197	139.9	10768	219.03/218.98	219.13/219.08	148	179.3	6.7	23.823/23.767	4.7
123	214	152.4	12717	238.08/238.03	238.18/238.13	161	196.8	5.5	25.413/25.357	6.4
134	235	166.9	15478	260.29/260.24	260.40/260.35	176	217.4	6.7	27.003/26.947	6.0
146	257	183.1	18279	282.52/282.47	282.63/282.58	192	239.8	7.7	28.593/28.537	6.5
159	279	198.6	22498	307.92/307.87	308.03/307.98	209	261.9	9.2	31.763/31.707	6.1
174	305	216.4	26576	333.32/333.26	333.44/333.38	229	282.4	8.3	34.943/34.887	6.7
190	332	235.2	32957	361.89/361.83	362.01/361.95	249	307.8	11.5	38.113/38.057	5.9
207	362	256.8	39428	393.64/393.58	393.76/393.70	272	337.3	12.0	41.295/41.224	8.1
225	394	279.4	48003	425.38/425.32	425.51/425.45	297	368.3	12.0	44.465/44.394	8.2
246	432	306.8	55423	463.48/463.42	463.61/463.55	324	404.9	13.4	47.645/47.574	9.4
269	470	333.5	65056	501.57/501.50	501.72/501.65	353	441.5	14.4	50.815/50.744	10.6
293	514	365.5	78082	546.02/545.95	546.17/546.10	385	484.1	14.6	53.995/53.924	10.8
320	558	396.2	92457	596.82/596.75	596.97/596.90	420	525.5	16.0	60.345/60.274	14.1



BEARING SERIES "14" 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	193	4.8	184	125	17	77.8	7.9	8	-	-	-	12.2	0.30	2.21
112	212	4.8	200	137	19	85.7	7.9	8	-	-	-	11.8	0.30	2.90
123	231	4.8	217	149	21	93.7	9.5	8	-	-	-	12.4	0.30	3.59
134	253	6.4	238	164	22	101.6	9.5	8	-	-	-	14.0	0.35	4.55
146	276	6.4	260	179	24	111.1	11.1	8	-	-	-	15.6	0.35	5.76
159	300	6.4	283	195	27	120.7	11.1	8	-	-	-	16.7	0.35	7.61
174	327	6.4	308	213	30	131.8	12.7	10	15.9	5.6	22.2	-	0.40	9.31
190	355	6.4	335	232	32	142.9	12.7	10	15.9	5.6	22.2	-	0.40	12.11
207	387	9.5	365	254	35	157.2	15.9	13	15.9	5.6	22.2	-	0.40	15.71
225	419	9.5	400	273	38	169.9	15.9	13	19.1	6.4	25.4	-	0.50	19.87
246	457	9.5	438	302	43	185.7	19.1	13	19.1	6.4	25.4	-	0.50	25.04
269	495	9.5	476	327	48	203.2	19.1	13	19.1	6.4	28.6	-	0.50	30.49
293	539	9.5	521	359	51	222.3	22.2	16	22.2	8	31.8	-	0.50	38.76
320	590	9.5	565	391	54	241.3	22.2	16	22.2	8	34.9	-	0.60	52.93