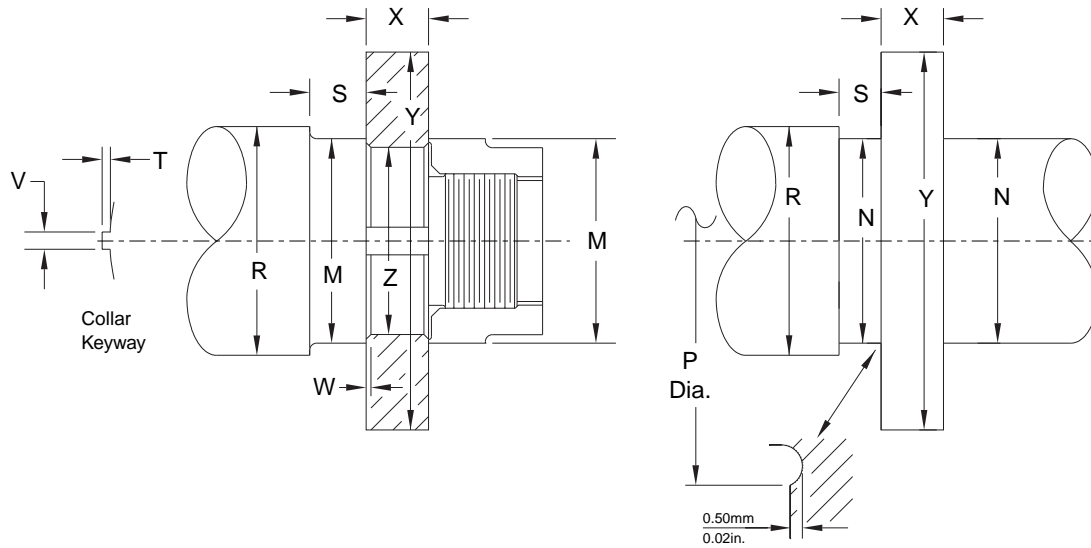


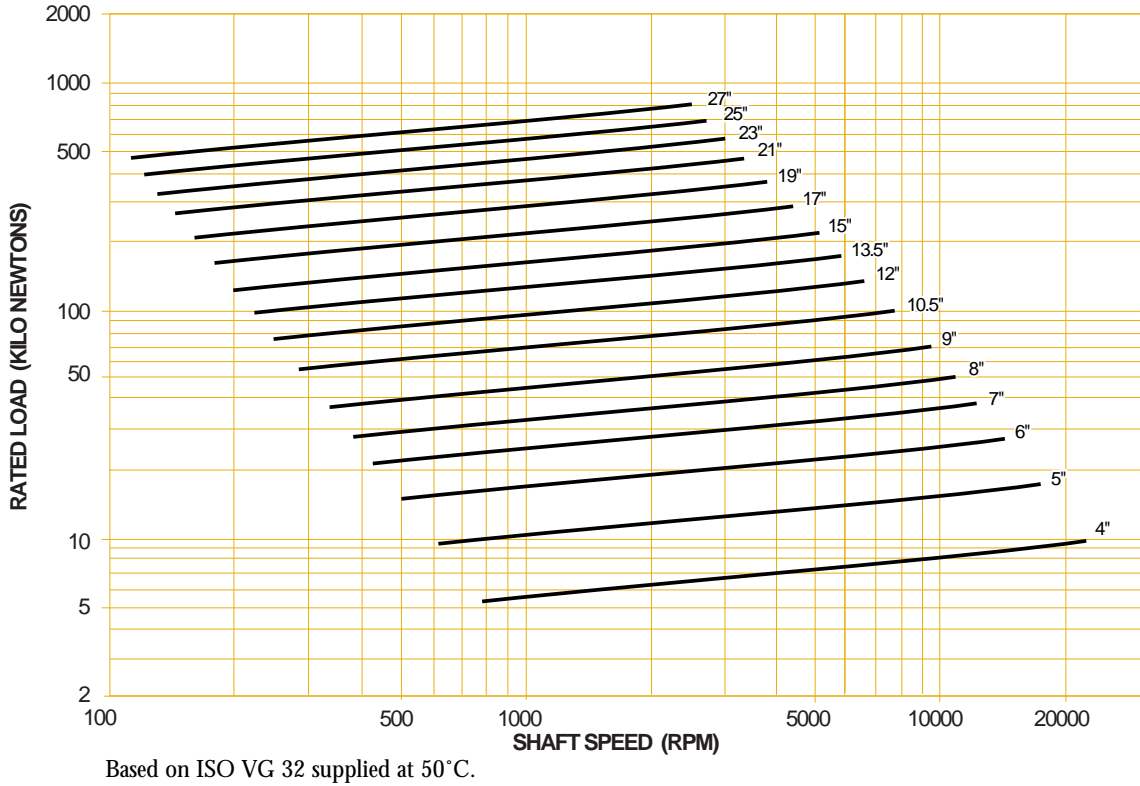
Style J, B, E Bearings—Metric Conversion (mm)

Bearing Size (inches)	4	5	6	7	8	9	10.5	12
No. of Shoes 6 for J&B 8 for E								
Area (mm ²)	5160	8065	11615	15805	20260	26130	35550	46450
A – Babbitt O.D.	101.6	127.0	152.4	177.8	203.2	228.06	266.7	304.8
B – Babbitt I.D.	50.8	63.5	76.2	88.9	101.6	114.03	133.35	152.4
H – Bearing Height (J)	36.6	44.5	52.3	60.5	68.3	76.2	85.9	95.3
H – Bearing Height (B)	35.1	41.2	47.8	53.9	60.5	68.3	74.7	82.6
C – Bearing O.D.	111.12	136.52	161.92	187.32	212.72	238.12	279.40	317.50
Q – Base ring I.D.	55.6	69.9	82.6	95.3	109.5	124.0	144.5	165.1
D – Oil annulus dia.	104.7	125.5	150.9	171.5	193.6	219.0	254.0	293.6
E – Oil annulus depth, min.	7.9	9.7	9.7	11.2	12.7	14.2	14.2	17.5
F – Bearing key, length	9.7	14.2	16.8	20.6	23.9	23.9	28.5	30.2
G – Bearing key, width	6.4	7.9	9.7	9.7	11.2	11.2	12.7	14.2
J – Collar to key	7.1	7.9	9.7	11.9	12.7	14.2	15.8	17.5
K – Key projection	3.1	4.1	4.8	4.8	4.8	4.8	5.6	5.6
M – Separate shaft dia.	44.5	57.2	69.9	82.6	95.3	108.0	124.0	142.8
N – Integral shaft dia.	41.2	53.8	66.6	79.3	92.0	104.7	120.7	139.7
P – Max dia. over fillet	46.5	61.3	74.0	86.8	99.3	112.2	130.0	149.1
R – Dia. through base ring	49.3	63.5	76.2	88.9	101.6	114.3	133.4	152.4
S – Shaft lgth @ shoe I.D.	12.7	15.8	19.1	22.4	25.4	28.5	31.8	35.1
X – Collar thickness	22.4	22.4	25.4	31.8	35.1	38.1	44.5	50.8
Y – Collar dia.	104.7	130.1	155.5	180.8	206.3	231.7	271.5	309.6
Z – Collar bore	31.75	44.45	53.98	63.50	76.20	88.90	104.78	120.65
T – Collar key depth	4.1	4.8	4.8	6.4	7.9	7.9	9.7	9.7
V – Collar key width	7.9	9.7	9.7	12.7	15.8	15.8	19.1	19.1
W – Collar chamfer	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
DD – Straddle mill	32.5	40.5	50.0	59.5	69.1	77.0	80.9	100.8
EE – Shoe thickness	12.70	15.88	19.05	22.23	25.40	28.58	31.75	34.93
FF – Shoe relief	3.1	4.1	4.1	4.8	5.6	7.9	7.1	8.6
Weight (kg) Bearing	1.6	2.6	4.1	6.7	9.5	13.8	20.4	29.2
Weight (kg) Collar	1.4	2.1	3.4	5.7	7.9	10.7	17.1	25.4
Weight (kg) Spare shoes	0.5	1.0	1.6	2.5	3.5	5.1	8.2	11.3

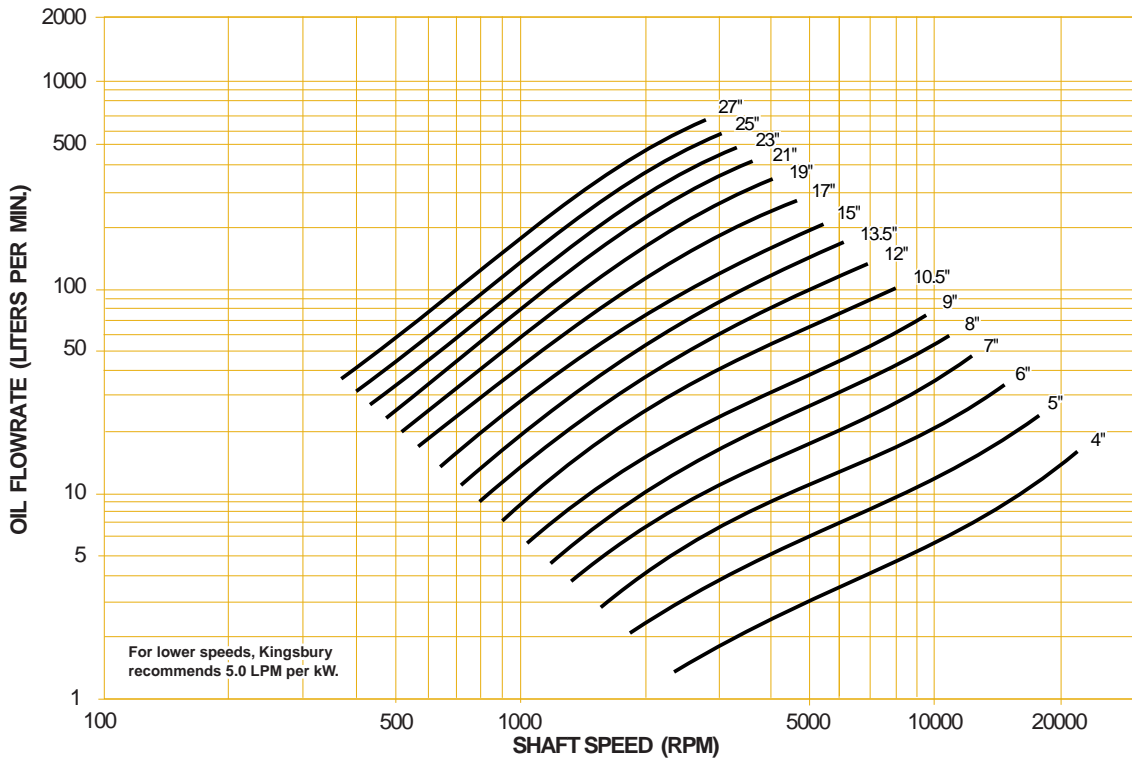


Bearing Size (inches)	13.5	15	17	19	21	23	25	27
No. of Shoes 6 for J&B 8 for E								
Area (mm ²)	58775	72580	93225	116450	142260	170645	201610	235160
A – Babbitt O.D.	342.9	381.0	431.8	482.6	533.4	584.2	635.0	685.8
B – Babbitt I.D.	171.45	190.5	215.9	241.3	266.7	292.1	317.5	342.9
H – Bearing Height (J)	108.0	117.4	133.4					
H – Bearing Height (B)	90.4	98.6	111.3	120.7	133.4	144.5	157.2	169.9
C – Bearing O.D.	355.60	393.70	447.68	514.35	565.15	622.30	263.10	730.25
Q – Base ring I.D.	185.7	206.3	233.4	269.8	298.5	323.9	673.10	400.0
D – Oil annulus dia.	330.2	368.3	419.1	469.9	514.4	568.5	622.3	673.1
E – Oil annulus depth, min.	19.1	15.8	23.9	22.4	25.4	25.4	28.5	30.2
F – Bearing key, length	35.1	38.1	41.2	44.5	44.5	53.9	57.2	60.5
G – Bearing key, width	15.8	17.5	19.1	22.4	25.4	25.4	31.8	31.8
J – Collar to key	19.1	20.6	23.9	25.4	28.5	33.3	35.1	36.6
K – Key projection	6.4	7.9	7.9	8.6	9.7	9.7	12.7	12.7
M – Separate shaft dia.	162.1	177.8	203.2	225.6	251.0	273.1	298.5	320.6
N – Integral shaft dia.	158.8	174.8	200.2	222.3	247.7	266.7	292.1	311.2
P – Max dia. over fillet	168.1	186.0	211.3	235.6	261.0	283.7	309.2	332.0
R – Dia. through base ring	171.5	190.5	215.9	247.7	273.1	298.5	327.2	352.6
S – Shaft lgth @ shoe I.D.	38.1	41.2	44.5	50.8	57.2	60.5	63.5	69.9
X – Collar thickness	57.2	63.5	73.2	82.6	92.0	98.6	108.0	117.4
Y – Collar dia.	347.7	385.8	438.2	489.0	539.8	590.6	641.4	692.2
Z – Collar bore	136.53	152.40	168.28	190.50	215.90	238.13	254.00	279.40
T – Collar key depth	11.2	12.7	12.7	14.2	15.8	15.8	19.1	19.1
V – Collar key width	22.4	25.4	25.4	28.5	31.8	31.8	38.1	38.1
W – Collar chamfer	2.3	2.3	3.1	3.1	3.1	4.1	4.1	4.1
DD – Straddle mill	107.2	129.4	145.3	151.6	177.0	195.3	203.2	211.1
EE – Shoe thickness	38.10	41.28	46.03	50.80	55.58	60.33	68.28	69.85
FF – Shoe relief	9.7	3.1	3.1	9.7	12.7	12.7	12.7	12.7
Weight (kg) Bearing	41.2	56.1	80.0	107.5	141.5	184.2	229.5	292.0
Weight (kg) Collar	35.8	49.0	73.5	103.4	139.7	178.7	233.1	292.6
Weight (kg) Spare shoes	15.6	21.3	30.8	45.4	59.9	76.2	100.2	120.0

RATED LOAD FOR STYLE J, B, AND E THRUST BEARINGS (METRIC)



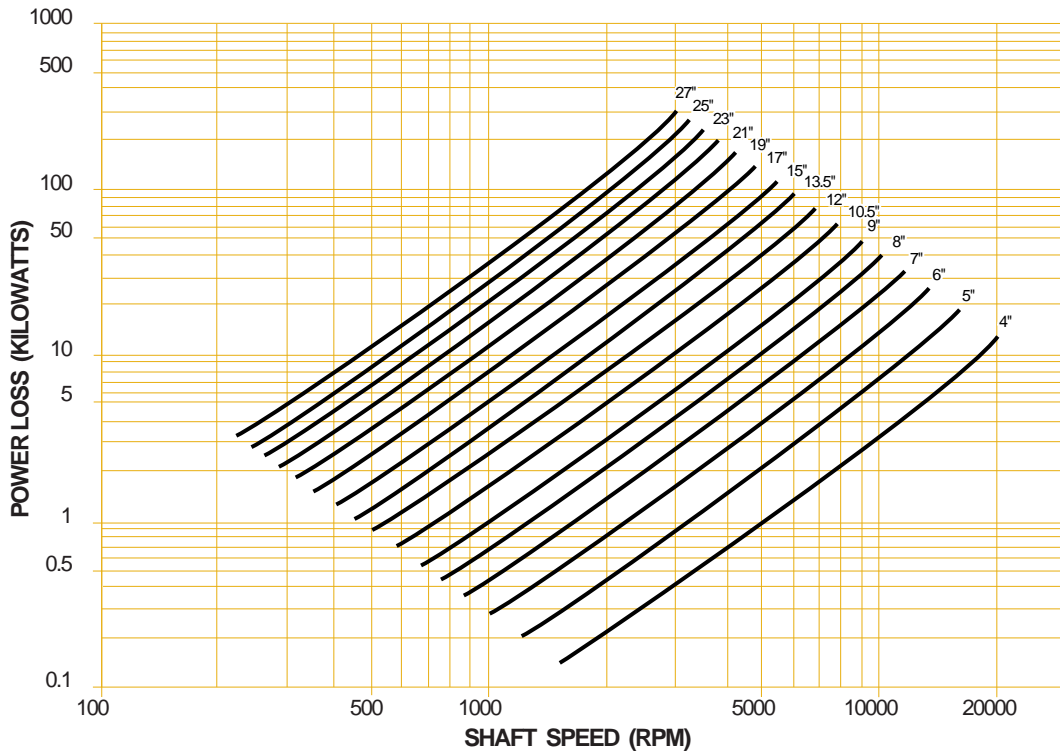
RECOMMENDED OIL SUPPLY FOR J, B, AND E THRUST BEARINGS (METRIC)



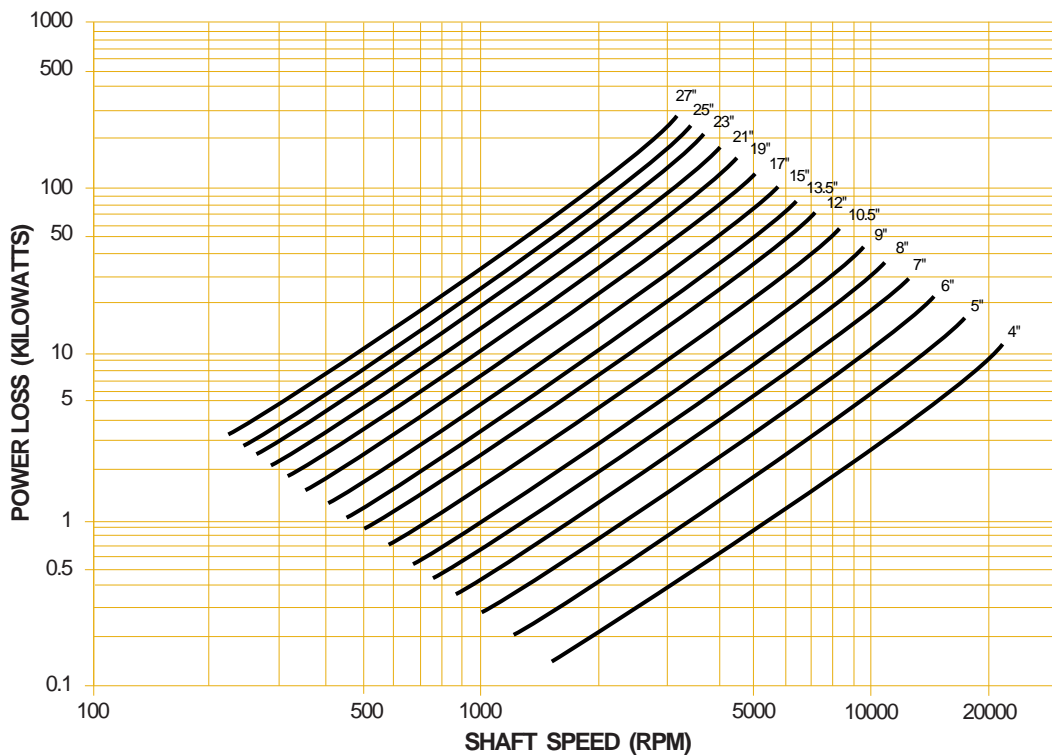
Based on 20% Slack Flow & ISO VG 32 supplied at 50°C.

This chart gives loaded side, single element flowrates for rated load. For double element bearings, supply an additional 20% to the inactive side. In machines where load may reverse and apply rated values to either side, provide equal flow to each side (a total of two times the chart value).

POWER LOSS FOR DOUBLE ELEMENT STYLE J, B, AND E THRUST BEARINGS (METRIC)



POWER LOSS FOR SINGLE ELEMENT STYLE J, B, AND E THRUST BEARINGS (METRIC)



Based on 20% Slack Flow & ISO VG 32 supplied at 50°C.
 Power loss is based on rated load, recommended oil flow, and Kingsbury's recommended discharge configuration.
 If any of these is changed the power loss will also change.