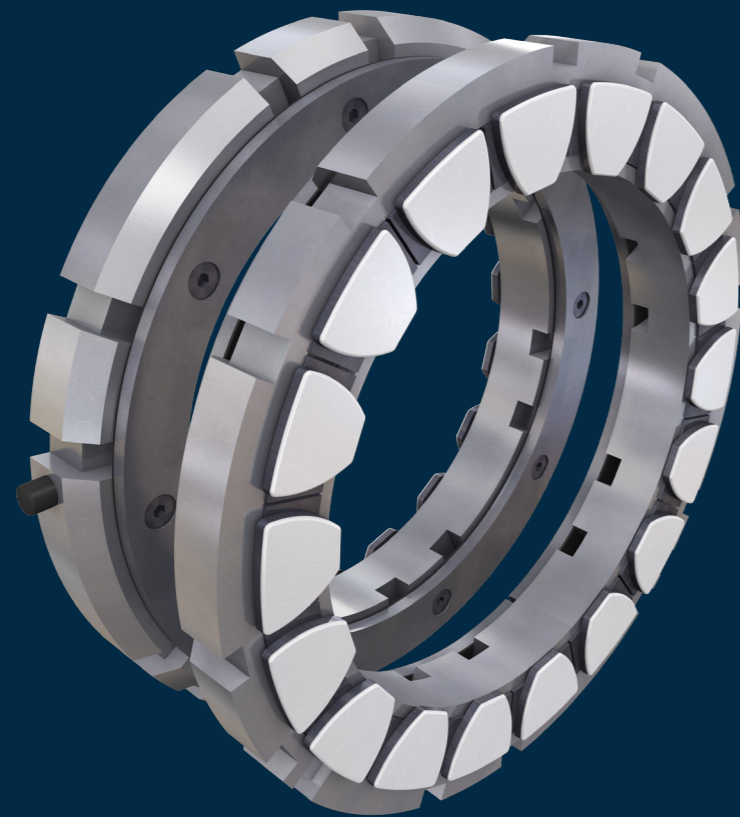


# 18 Pad Ring



## Thrust Bearings Reference Codes

Example: 08136 NFR/HB1

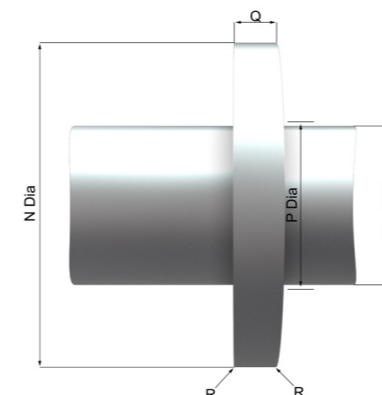
1	2	3	4	5	6	7				
Number of Thrust Pads in Full Ring	Thrust Pad Size (approx. width in mm)	Retaining Ring Form	Lubrication Arrangement	Pad Handing/Pivot Position	Retaining Ring	With or Without Adjusting Liners				
06	012 052	N Normal or standard form (all bearings in this catalogue)	F Flooded lubrication	L Left hand (anti-clockwise)	H Split (in halves)	A Without liners				
	014 057									
	017 061									
08	020 068									
	023 074									
	026 081									
11	028 089					E Equalising segments fitted (not shown in this catalogue)	D Directed or "Low Loss" Lubrication	R Right hand (clockwise)	W Left whole	B <sub>1</sub> With steel liner left thick for finish machining by customer during installation
	031 097									
	034 105									
14	037 115									
	040 125									
	044 136									
18	048									
										B <sub>2</sub> As "B" including shims for adjusting
						B <sub>3</sub> With steel liner finished machined to size				
						B <sub>4</sub> As "B <sub>3</sub> " including shims for adjusting				

## Key features

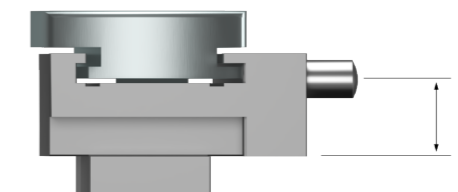
- Axial adjustment using a combination of shims and liners, finished to required thickness
- Specialist pad handing of either offset or centre pivots to suit direction of rotation
- Instrumentation to provide remote monitoring of bearing performance
- Flooded or directed 'low loss' lubrication alternatives
- 8 pad and 11 pad quantity sets can be equalised to accommodate shaft misalignment



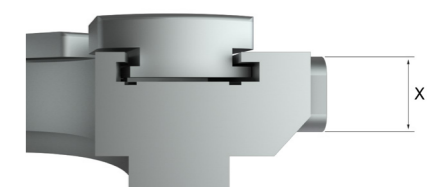
Thrust pad stop



Detail of combined collar and shaft

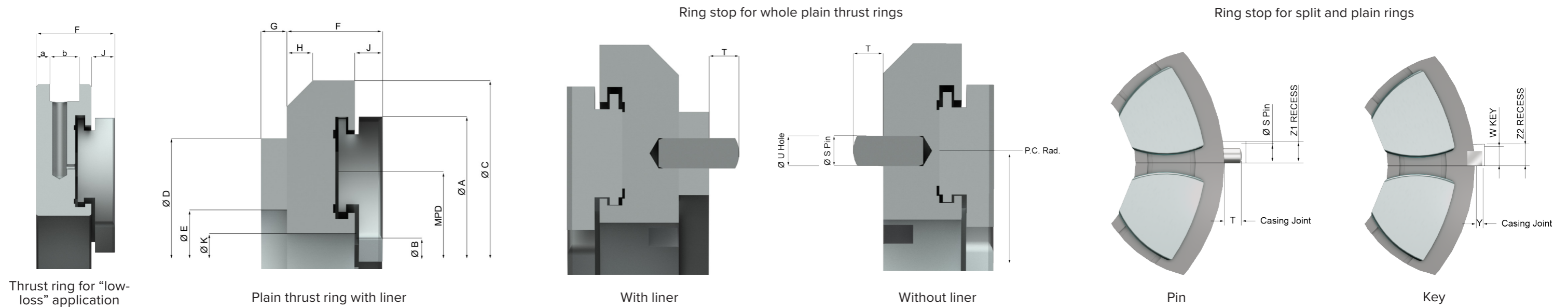


Stop pin in small thrust rings



Stop key in large thrust rings

# Technical information



Pad ring ref	Max shaft DIA mm	Thrust surface mm <sup>2</sup>	Max thrust load		MPD (approx)	Total axial clearance	A	B	C	D	E	F	G	H	J	K	N	P	Q	R	Ring stop for 'whole' and 'plain' thrust rings or 'low less' thrust rings				Ring stop for 'split' and 'plain' thrust rings										
			Offset kN	Centre kN																	S	T	U	P.C. rad	Pin or key	S	T	Z1	V	w	X	Y	Z2	a	b
18012	72	2,520	6.25	5.47	91.6	0.20	103	78.5	114.30	102	83	14.29	3.2	4	2.5	79	105	76	7	0.4	4.0	4	5	46.0	PIN	4.0	4	4.8	7					3.0	6.5
18014	88	3,528	9.35	8.5	108.7	0.20	122	93.5	133.35	121	98	15.88	3.2	4	2.5	94.5	124	90	9	0.4	4.8	5	5.8	54.8	PIN	4.8	5	5.3	8					3.0	8.0
18017	105	5,076	14.7	13.7	129.7	0.20	146	111	161.93	143	117	17.46	3.2	5	4	113	149	110	10	0.8	5.6	6	6.5	65.1	PIN	5.6	6	6.4	9					3.0	8.0
18020	125	7,272	22.5	21.2	153.9	0.25	173	132	190.50	171	140	19.05	4.8	5	4	134	176	130	13	0.8	6.4	7	7.5	77.8	PIN	6.4	7	7.2	10					4.0	8.5
18023	148	10,534	35.6	33.2	184.0	0.25	206	159	225.43	203	165	22.23	4.8	6	5.5	162	210	156	16	0.8	7.9	8	9	92.1	PIN	7.9	8	9	11					4.0	10.0
18026	160	12,420	44.6	41.6	199.3	0.30	224	171	244.48	219	181	23.81	4.8	6	5.5	175	227	168	17	0.8	7.9	8	9	100.1	PIN	7.9	8	9	13					4.0	11.0
18028	175	14,760	53.4	50.2	217.4	0.30	244	187	266.70	241	197	25.40	6.4	6	6.5	192	248	184	19	0.8	9.5	8	10.5	109.5	PIN	9.5	8	10.3	13					4.0	11.5
18031	193	17,460	64.4	60.1	238.0	0.30	267	205	288.93	260	216	28.58	6.4	7	6.5	209	270	202	21	0.8	9.5	8	10.5	119.1	PIN	9.5	8	10.3	15					4.5	14.0
18034	210	20,880	79.1	73.9	260.2	0.35	292	224	317.50	286	235	30.16	6.4	7	7.5	229	295	221	22	0.8	11.1	8	12.5	130.2	PIN	11.1	8	12	15					4.5	14.5
18037	230	25,308	97.7	91.6	283.4	0.35	318	244	346.08	308	257	31.75	6.4	8	7.5	249	321	240	24	0.8	11.1	8	12.5	141.3	PIN	11.1	8	12	16					5.5	14.5
18040	255	30,060	118.1	110.0	308.2	0.35	346	265	374.65	337	279	34.93	6.4	10	9.5	272	349	262	27	0.8	12.7	10	14	154.0	KEY					15.9	22.2	5.6	17	5.5	15.5
18044	270	36,360	146.5	134.8	336.5	0.40	378	289	406.40	365	308	38.10	6.4	10	9.5	297	381	286	30	0.8	12.7	10	14	168.3	KEY					15.9	25.4	5.6	17	5.5	18.5
18048	300	42,840	177.4	159.0	367.7	0.40	413	316	444.50	406	330	41.28	9.5	11	9.5	324	419	311	32	0.8	15.9	13	17.5	184.2	KEY					15.9	25.4	5.6	17	5.5	21.0
18052	320	50,760	213.2	189.0	401.9	0.40	451	346	482.60	441	365	44.45	9.5	11	11.5	355	457	340	35	0.8	15.9	13	17.5	201.6	KEY					19.1	28.6	6.4	20	6.0	21.0
18057	355	60,300	253.3	229.0	438.7	0.50	492	378	527.05	483	394	47.63	9.5	13	11.5	387	498	371	38	0.8	19.1	13	21	219.1	KEY					19.1	28.6	6.4	20	6.0	24.0
18061	380	72,000	302.4	276.0	478.5	0.50	536	413	571.50	521	432	50.80	9.5	13	13.5	423	543	406	43	1.5	19.1	13	21	238.1	KEY					22.2	31.8	8	23	7.0	24.0
18068	420	86,940	365.2	335.0	520.5	0.50	584	448	622.30	565	476	53.98	9.5	14	13.5	459	591	441	48	1.5	22.2	16	24	260.4	KEY					22.2	31.8	8	23	7.0	26.0

↑ OVER	13	22	41	65
"F" UP TO AND INC.	22	41	65	92
TOLERANCE	+0.010 -0.030	+0.013 -0.043	+0.015 -0.056	+0.020 -0.071

Dimensions are in millimetres. Please contact us for additional details if required.  
Michell Bearings reserve the right to change the design without notice.