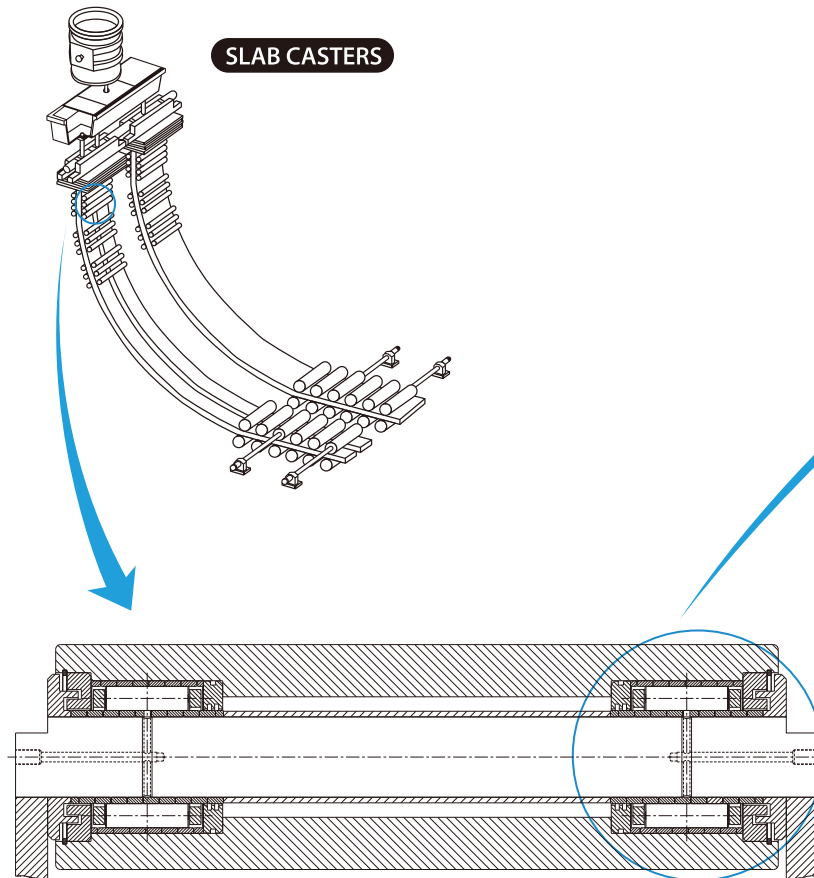


Flexible bearing - Mold & upper segment in continuous caster FBL series



Flexible bearing(FBL)



Components

- Spring outer ring
- Spring inner ring
- Cylindrical Roller + Cage assembly
- Side rings

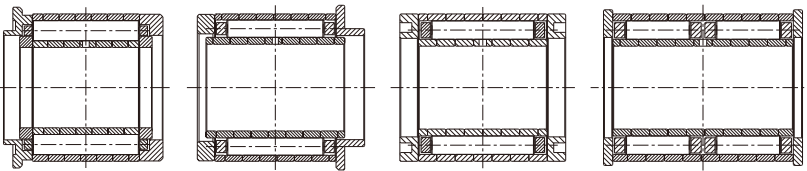
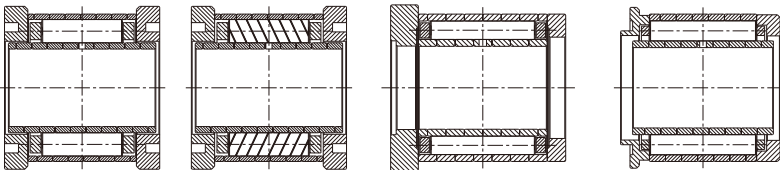
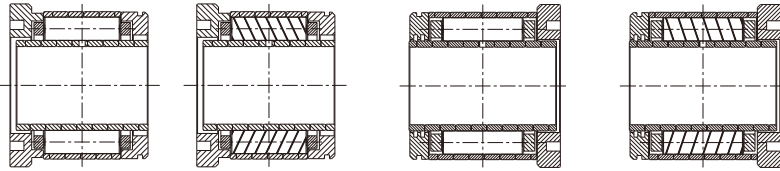
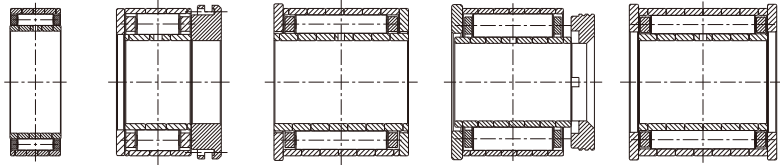
Advantages and special features

- Flexible bearing with spring rings, made of special steel, solves below problems in strand guiding rolls in mold & upper segments.

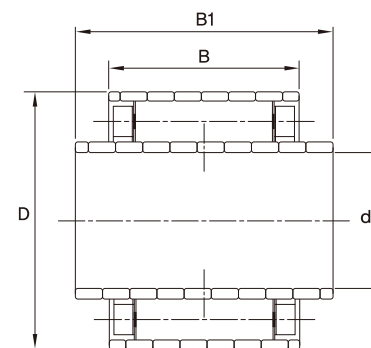
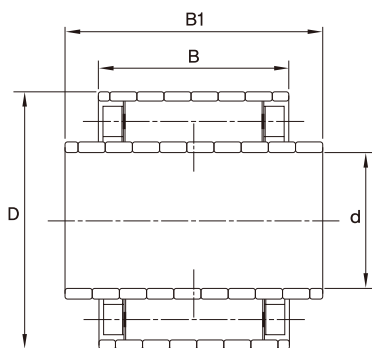
High temperature
Dust contamination
Heavy shock load
Space limitations

- As the life of flexible bearing is very long compared with that of needle bearing, end-users are re-using flexible bearing more than 3~4 times, by cleaning and re-lubricating in maintenance period.
- Easy fitting and dismantling.

Various kinds of side ring combinations



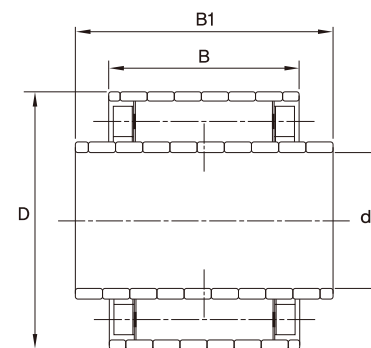
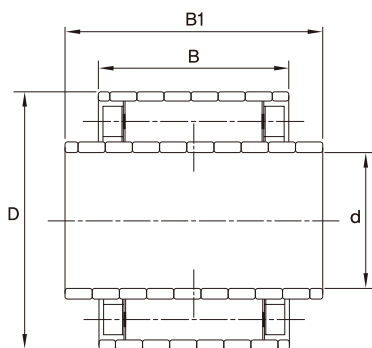
FBL Series - Flexible bearing



BEARING		D	B1	B	Load Ratings
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)
30	FBL 30/60 x 125/80 WTR	60	125	80	243
	FBL 30/62 x 32/32	62	32	32	72
	FBL 30/62 x 43/43	62	43	43	110
	FBL 30/62 x 58/58	62	58	58	161
	FBL 30/62 x 60/45	62	60	45	110
	FBL 30/62 x 94/94DR	62	94	94	234
	FBL 30/62 x 114/114 WTR	62	114	114	309
	FBL 30/62 x 134/134DR	62	134	134	378
35	FBL 35/60 x 64/38 WTR	60	64	38	115
	FBL 35/62 x 50/36	62	50	36	84
	FBL 35/65 x 64/38 WTR	65	64	38	122
	ISO 35/68 x 42/42	68	42	42	132
40	FBL 40/68 x 45/45 WFR	68	45	45	130
	FBL 40/68 x 50/45 WFR	68	50	45	130
	FBL 40/68 x 58/45 W2R	68	58	45	130
	FBL 40/68 x 58/45 W3R-MITTAL	68	58	45	130
	FBL 40/68 x 58/45 W3R-HIGHVELD	68	58	45	169
	FBL 40/70 x 70/70 WTR	70	70	70	250
	FBL 40/71 x 32/32 ISDEMIR	71	32	32	91
	FBL 40/71 x 70/70 WTR	71	70	70	250
	FBL 40/71 x 94/94 WTR	71	94	94	312
	FBL 40/71 x 32/32 BRGMAN	71	32	32	91
	FBL 40/71 x 32/32 CST	71	32	32	91
	FBL 40/71 x 32/32 DDL	71	32	32	91
	FBL 40/71 x 32/32 TAIBEC	71	32	32	91

BEARING		D	B1	B	Load Ratings	
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)	
40	FBL 40/71 x 42.5/42.5 WTR	71	42.5	42.5	136	
	FBL 40/71 x 45/45 WTR	71	45	45	147	
	FBL 40/71 x 57/47 WTR	71	57	47	156	
	FBL 40/78 x 57/45	71	57	47	157	
	FBL 40/82 x 80/62	82	82	62	216	
	FBL 40/82 x 80/62 GR	82	70	70	216	
	45	FBL 45/75x86/70 WTR	75	86	70	143
		FBL 45/80 x 42/37	80	42	37	119
FBL 45/80x57/56A WTR		80	57	56	150	
FBL 45/80 x 70/60 WTR		80	70	60	208	
FBL 45/80 x 70/70		80	70	70	252	
FBL 45/80 x 70/70 A RINGS		80	70	70	252	
FBL 45/80 x 70/70 B RINGS		80	70	70	252	
FBL 45/80 x 70/70 S RINGS		80	70	70	252	
FBL 45/80 x 70/70 JD RINGS		80	70	70	252	
FBL 45/80 x 73/63 WTR		80	73	63	274	
FBL 45/80 x 73/63 HDWTR		80	73	63	274	
FBL 45/80 x 73/63 LYWTR		80	73	63	274	
FBL 45/80 x 80/70 ACC WTR		80	80	70	252	
FBL 45/80 x 95/70	80	80	70	252		
FBL 45/80 x 98/98DR	80	98	98	310		
FBL 45/80 x 98/98DR B RINGS	80	98	98	310		
FBL 45/80 x 110/110DR	80	110	110	363		
FBL 45/80 x 118/118DR	80	118	118	399		
FBL 45/85 x 45/35 WTR	85	45	35	122		

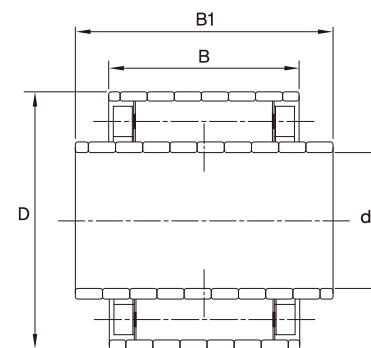
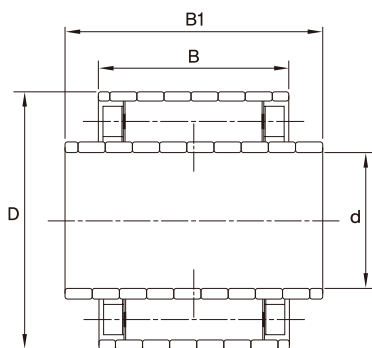
FBL Series - Flexible bearing



BEARING		D	B1	B	Load Ratings
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)
50	FBL 50/72 x 40/40 WTR	72	40	40	128
	FBL 50/75 x 40/40 WTR	75	40	40	141
	FBL 50/75 x 45/40 WTR	75	45	40	141
	FBL 50/75 x 58/48 WTR	75	58	48	156
	FBL 50/75 x 60/50 WTR	75	60	50	214
	FBL 50/85 x 70/70	85	70	70	336
	FBL 50/85 x 73/45 WTR	85	73	45	216
	FBL 50/85x75/70 WTR	85	75	70	331
	FBL 50/85 x 80/70	85	80	70	336
	FBL 50/85 x 80/70 2KYCSP	85	80	70	336
	FBL 50/85 x 80/70 ACC WTR	85	80	70	336
	FBL 50/85 x 80/70 C RINGS	85	80	70	302
	FBL 50/88 x 62/50 WTR	88	62	50	194
	FBL 50/90 x 60/50 WTR	90	60	50	223
	FBL 50/95 x 80/70 WTR	95	80	70	376
	FBL 50/95 x 75/65	95	75	65	267
	FBL 50/95 x 85/50GR	95	85	50	302
	FBL 50/95 x 87/47	95	87	47	238
	FBL 50/95 x 90/63 W3R105	95	90	63	272
	FBL 50/95 x 90/64	95	90	64	272
	FBL 50/95 x 90/72 2KYCSP	95	90	72	352
	FBL 50/95 x 95/70	95	95	70	272
	FBL 50/95 x 95/70 A RINGS	95	95	70	272
	FBL 50/95 x 95/70 WTR	95	95	70	272

BEARING		D	B1	B	Load Ratings
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)
50	FBL 50/95 x 95/70 With JD RINGS	95	95	70	272
	FBL 50/95 x 95/70 YIPH	95	95	70	272
	FBL 50/95 x 73/63 WTR	95	73	63	310
	FBL 50/96 x 85/65	96	85	65	339
	FBL 55/90 x 58/40	90	58	40	157
	FBL 55/90 x 90/72 2KYCSP	90	90	72	403
	55	FBL 55/90 x 73/63 WTR	90	73	63
FBL 55/90 x 73/63 H RINGS		90	73	63	322
FBL 55/95 x 73/63 WTR		95	73	63	310
FBL 55/100 x 65/55 WTR		100	65	55	290
FBL 60/89 x 73/63 WTR		89	73	63	348
FBL 60/90 x 65/55 WTR		90	65	55	274
60	FBL 60/95 x 73/63 WTR	95	73	63	359
	FBL 60/95 x 73/63 H RINGS	95	73	63	359
	FBL 60/100 x 67/62 WTR	100	67	62	327
	FBL 60/100 x 90/64	100	90	64	351
	FBL 60/105 x 73/63	105	73	63	373
	FBL 60/110 x 80/80	110	80	80	604
	FBL 60/110 x 105/80	110	105	80	604
	FBL 60/110 x 105/80 A RINGS	110	105	80	604
	FBL 60/110 x 105/80 USM	110	105	80	604
	FBL 60/110 x 105/80 JD RINGS	110	105	80	604
FBL 60/110 x 105/94 JD RIINGS	110	105	94	608	
61	FBL 61/107.81 x 74.2/60	107.81	74.2	60	265

FBL Series - Flexible bearing



BEARING		D	B1	B	Load Ratings
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)
65	FBL 65/102 x 54/54	102	54	54	290
	FBL 65/102 x 55/55 GR WTR	102	55	55	397
	FBL 65/102 x 55/55 SR WTR	102	55	55	496
	FBL 65/102 x 70/54	102	70	54	290
	FBL 65/102 x 140/54	102	140	54	290
	FBL 65/102 x 105/80	102	105	80	494
	FBL 65/110 x 73/63 WTR	110	73	63	377
	FBL 65/110 x 73/63 A RINGS	110	73	63	377
	FBL 65/110 x 73/63 H RINGS	110	73	63	377
	FBL 65/110 x 75/65 WTR	110	75	65	392
	FBL 65/110 x 105/80 WTR	110	105	80	397
	FBL 65/102 x 140/55 GR WTR	102	140	55	496
	FBL 65/102 x 140/55 SR WTR	102	140	55	530
	70	FBL 70/120 x 80/80	120	80	80
FBL 70/120 x 105/80		120	105	80	530
FBL 70/120 x 105/80 HZ		120	105	80	329
75	FBL 75/105 x 54/54 WTR	105	54	54	281
	FBL 75/105 x 58/48 WTR	105	58	48	329
	FBL 75/105 x 60/54 WTR	105	60	54	401
	FBL 75/105 x 73/63	105	73	63	474
	FBL 75/115 x 90/80 WTR	115	90	80	464
80	FBL 80/120 x 73/63 WTR	120	73	63	464
	FBL 80/120 x 73/63 A RINGS	120	73	63	464
	FBL 80/120 x 73/63 H RINGS	120	73	63	473

BEARING		D	B1	B	Load Ratings
Shaft Dia.(d)	Designations				Stat. C ₀ (kN)
80	FBL 80/125 x 70/65 WTR	125	70	65	358
90	FBL 90/130 x 45/44	130	45	44	535
	FBL 90/130 x 70/65 WTR	130	70	65	808
	FBL 90/140 x 150/100	140	150	100	1172
	FBL 90/160 x 130/130U	160	130	130	868
100	FBL 100/180 x 82/82	180	82	82	842
120	FBL 120/165 x 96/75 WTR	165	95	75	583
140	FBL 140/181 x 80/50 GR WTR	181	80	50	674
	FBL 140/200 x 67/50 GR W5R	200	67	50	1267
160	FBL 160/225 x 85.5/85.5	225	85.5	85.5	996
	FBL 160/225 x 90/70	225	90	70	92