

BS

بلبرینگ قفلی



بلبرینگ علی



MODELS BS30 TO BS135

BS30 to 135

BS30 to BS50
 ① Inner race
 ② Outer race
 ③ Cam
 ④ Roller
 ⑤ Plate
 ⑥ Spring
 ⑦ Snap ring
 ⑧ Oil seal
 ⑨ Snap ring

BS65 to BS75
 ① Inner race
 ② Outer race
 ③ Cam
 ④ Roller
 ⑤ Spring
 ⑥ Plate
 ⑦ Thrust metal
 ⑧ Oil seal
 ⑨ Snap ring

BS85 to BS135
 ① Inner race
 ② Outer race
 ③ Cam cage
 ④ Plate
 ⑤ Thrust metal
 ⑥ Snap ring
 ⑦ Oil seal

Chamfer of the bore end faces	
Shaft Diameter	Chamfer
Under 50 mm	1.5 C
50 to 125 mm	2.0 C
125 to 285 mm	3.0 C

MODELS BS250 TO BS450

BS250 to 450

① Inner race
 ② Outer race
 ③ Cam cage
 ④ Snap supporter
 ⑤ Thrust metal
 ⑥ Oil seal
 ⑦ Grease fitting
 ⑧ O-ring
 ⑨ Snap ring

Chamfer of the bore end faces	
Shaft Diameter	Chamfer
125 to 285 mm	3.0 C
Over 285 mm	5.0 C



BS

بلبرینگ قفلی (یک طرف گرد ، بک استاپ)

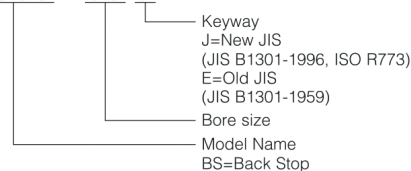
Model	Torque Capacity (N·m)	Max. Overrunning (r/min) Inner Race	Drag Torque (N·m)	A	B	C	PCD D	E	S	H-M Size×Pitch × No.of Tapped Holes	Grease Filler Hole (Size)	Q'ty of Grease (kg)
BS 30	294	350	0.58	64	90	64	80	45	13	M 6×P1.0×4	—	—
BS 50	784	300	0.98	67	125	67	110	70	16	M 8×P1.25×4	—	—
BS 65	1570	340	3.92	90	160	85	140	90	20	M10×P1.5×6	—	—
BS 75	2450	300	5.88	90	170	85	150	100	20	M10×P1.5×6	—	—
BS 85	5880	300	7.84	115	210	110	185	115	30	M12×P1.75×6	—	—
BS 95	7840	250	9.8	115	230	110	200	130	30	M14×P2.0×6	—	—
BS 110	10800	250	14.7	115	270	110	220	150	30	M16×P2.0×6	—	—
BS 135	15700	200	19.6	135	320	130	280	180	30	M16×P2.0×8	—	—
BS 160	24500	100	34.3	135	360	130	315	220	40	M20×P2.5×10	PT 1/4	0.12
BS 200	37200	100	44.1	150	430	145	380	265	40	M22×P2.5×8	PT 1/4	0.14
BS 220	49000	80	73.5	235	500	230	420	290	40	M20×P2.5×16	PT 1/4	0.8
BS 250	88200	50	93.1	295	600	290	530	330	50	M24×P3.0×16	PT 1/4	1.1
BS 270	123000	50	98	295	650	290	575	370	50	M24×P3.0×16	PT 1/4	1.2
BS 300	176000	50	108	295	780	290	690	470	60	M30×P3.5×16	PT 1/4	1.3
BS 335	265000	50	137	305	850	320	750	495	70	M36×P4.0×16	PT 1/4	1.4
BS 350	314000	50	157	320	930	360	815	535	70	M36×P4.0×16	PT 1/4	1.5
BS 425	510000	50	216	440	1030	450	940	635	70	M36×P4.0×18	—	Oil 6000ml
BS 450	686000	50	245	450	1090	480	990	645	80	M42×P4.5×18	—	Oil 7000ml

Bore Keyway,Weight

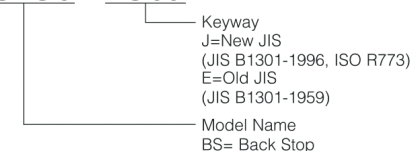
New JIS Keyway JISB1301-1996 ISO R773	Old JIS Keyway JISB1301-1959	Bore Diameter Range (mm)	Weight at Minimum Bore (kg)	Weight at Maximum Bore (kg)
BS 30-30J	BS 30-30E	20 to 30	2.3	2.1
BS 50-45J	BS 50-45E	30 to 50	4.7	4.0
BS 50-50J	BS 50-50E			
BS 65-40J	BS 65-40E	40 to 65	13.0	11.5
BS 65-45J	BS 65-45E			
BS 65-50J	BS 65-50E			
BS 65-55J	BS 65-55E			
BS 65-60J	BS 65-60E			
BS 65-65J	BS 65-65E			
BS 75-60J	BS 75-60E	50 to 75	14.7	13.1
BS 75-65J	BS 75-65E			
BS 75-70J	BS 75-70E			
BS 75-75J	BS 75-75E			
BS 85-70J	BS 85-70E	60 to 85	27.2	24.7
BS 85-75J	BS 85-75E			
BS 85-80J	BS 85-80E			
BS 85-85J	BS 85-85E			
BS 95-80J	BS 95-80E	70 to 95	32.2	29.4
BS 95-85J	BS 95-85E			
BS 95-90J	BS 95-90E			
BS 95-95J	BS 95-95E			
BS 110-85J	BS 110-85E	80 to 110	38.6	34.2
BS 110-95J	BS 110-95E			
BS 110-100J	BS 110-100E			
BS 110-105J	BS 110-105E			
BS 110-110J	BS 110-110E			
BS 135	BS 135	90 to 135	76.1	68.0
BS 160	BS 160	100 to 160	98.1	85.6
BS 200	BS 200	100 to 200	167	140
BS 220	BS 220	150 to 220	301	264
BS 250	BS 250	175 to 250	580	523
BS 270	BS 270	200 to 270	620	562
BS 300	BS 300	230 to 300	952	885
BS 335	BS 335	250 to 335	1140	1040
BS 350	BS 350	250 to 350	1600	1470
BS 425	BS 425	325 to 425	2450	2240
BS 450	BS 450	350 to 450	2820	2580

Format

BS85 - 85 J



BS250 - 250J



- Notes:**
- The tolerance of Stock Finished Bore is H7.
 - Items highlighted in bold type are stock items, the others are built to order.
 - BS Cam Clutch can be bored according to your specification.
Specify the bore diameter with tolerance and keyway dimensions.
Please be sure to specify.
 - As for Torque Arm and Safety Cover, please refer to pages 50 and 51.