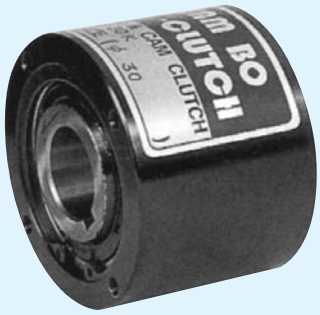
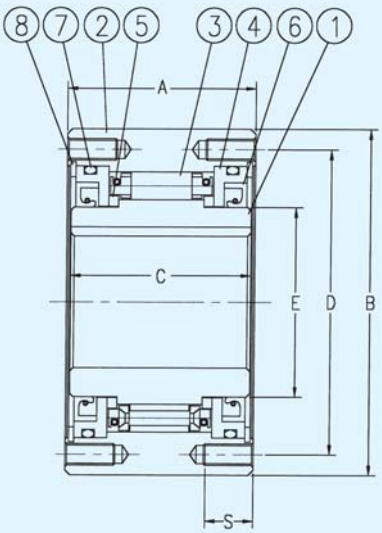
FOR BACKSTOP APPLICATION ONLY

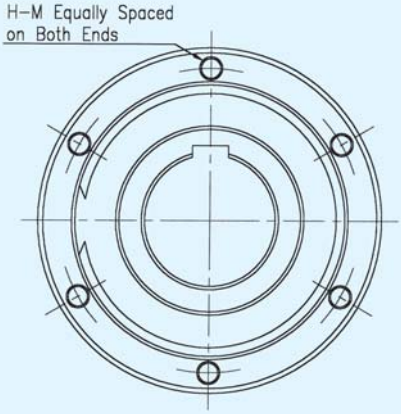
BS-K Series

FOR BACKSTOP APPLICATION





1. Inner Race
2. Outer Race
3. Cam Cage Assembly
4. Seal Supporter
5. Oil Seal
6. O Ring
7. Snap Ring
8. Dust Protective Plate



Specification

Dimensions-mm

Model	Max Torque (kgf-m)	Stock Bore Size	Norminal Overrun-ning Drag (kgf-m)	Max. Overrun-ning(rpm) Inner Race	A	B	C	D	E	S	H-M No.of Tapped Hoies x Dia x Pitch	Grease Filler Hole	Q'ty of Grease (gf)	Weight (kgf)
BS 30K	30	20~30	0.06	200	64	90	64	80	45	10	4 x M6 x 1.0	-	-	2.1
BS 50K	80	30~50	0.1	200	67	125	67	110	70	12	4 x M8 x 1.25	-	-	4.0
BS 65K	160	40~65	0.4	150	90	160	85	140	90	20	6 x M10 x 1.5	-	-	11.5
BS 75K	250	50~75	0.6	150	90	170	85	150	100	20	6 x M10 x 1.5	-	-	13.5
BS 85K	600	60~85	0.8	150	115	210	110	185	115	30	6 x M12 x 1.75	-	-	24.7
BS 95K	800	70~95	1.0	150	115	230	110	200	130	30	6 x M14 x 2.0	-	-	29.4
BS 110K	1,100	80~110	1.5	150	115	270	110	220	150	30	6 x M16 x 2.0	-	-	34.2
BS 135K	1,600	90~135	2.0	100	135	320	130	280	180	30	8 x M16 x 2.0	-	-	68.0

Character

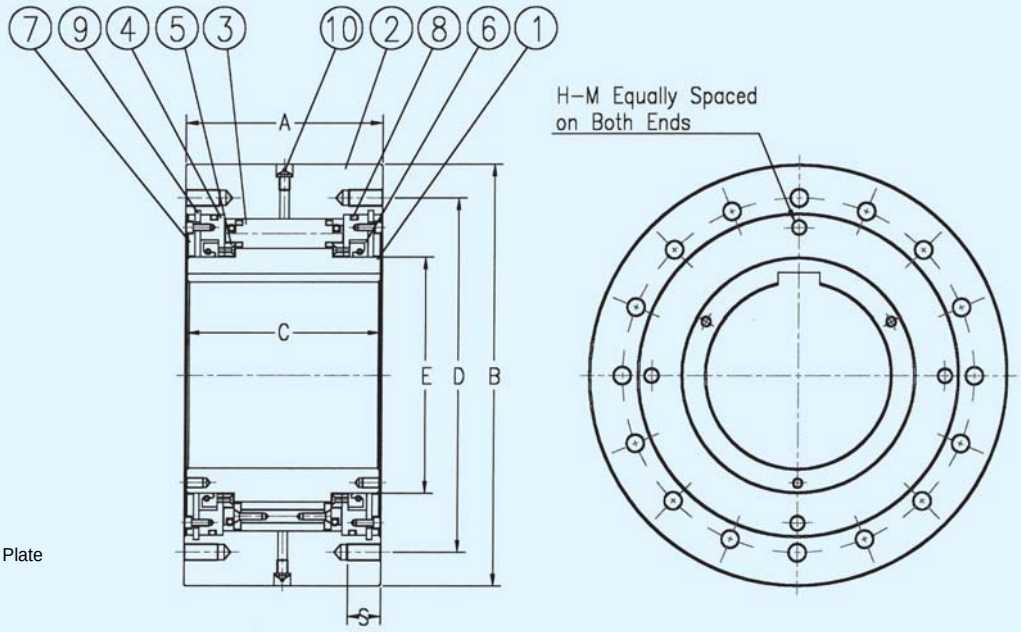
1. For the only backstop application in slant conveyors and bucket elevators.
2. Pre-lubricated with grease and no lubrication maintenance required.

※ Specify the Bore & keyway dimension when ordering (Refer to page 38~39)

※ Refer to page 16 for installation

BS-K Series

FOR BACKSTOP APPLICATION



1. Inner Race
2. Outer Race
3. Cam & Cage
4. Seal Supporter
5. Thrust Metal
6. Oil Seal
7. Dust Protective Plate
8. O Ring
9. Snap Ring
10. Oil filler Hole

Specification

Dimensions-mm

Model	Max Torque (kgf-m)	Stock Bore Size	Norminal Overrun-ning Drag (kgf-m)	Max. Overrun-ning(rpm) Inner Race	A	B	C	D	E	S	H-M No.of Tapped Hoies x Dia x Pitch	Grease Filler Hole	Q'ty of Grease (gf)	Weight (kgf)
BS 160K	2,500	100~160	3.5	100	135	360	130	315	210	40	10 x M20 x 2.5	PT 1/4	300	85.6
BS 200K	3,800	110~200	4.5	100	150	430	145	380	260	40	8 x M22 x 2.5	PT 1/4	380	140.0
BS 220K	5,000	150~220	7.5	80	235	500	230	420	280	40	16 x M20 x 2.5	PT 1/4	1,100	263.5
BS 250K	9,000	180~250	9.5	50	295	600	290	530	340	50	16 x M24 x 3.0	PT 1/4	3,200	580.0
BS 270K	12,500	200~270	9.5	50	295	650	290	575	370	50	16 x M24 x 3.0	PT 1/4	3,600	620
BS 300K	18,000	230~300	11.0	50	295	780	290	690	470	60	16 x M30 x 3.5	PT 1/4	4,500	850
BS 350K	32,000	250~350	16.0	50	320	930	360	815	535	70	16 x M36 x 4.0	PT 1/4	5,200	1,605

Character

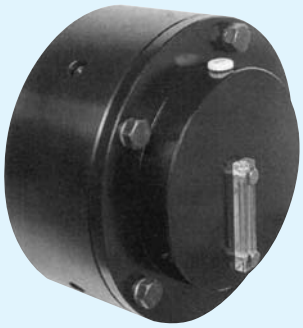
Grease lubrication and lubrication maintenance is necessary.

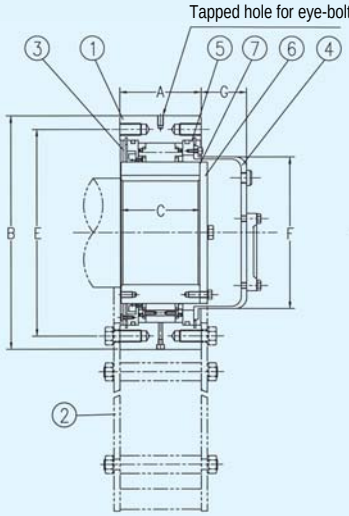
※ Refer to page 18 for lubrication & maintenance

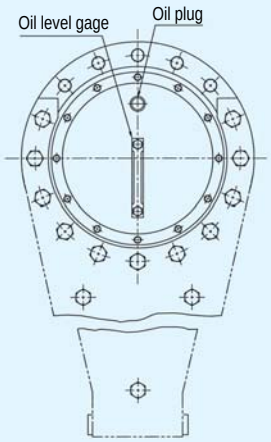
※ Specify the Bore & key way dimension when ordering (Refer to page 38~39)

BS-RK Series

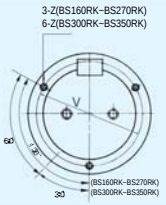
OIL RESERVOIR TYPE







Shaft end view



1. BS-K Clutch
2. Torque Arm
3. Dust Protective Cover
4. Oil Reservoir
5. Seal Supporter
6. End Plate
7. Packing

Specification

Dimensions-mm

Model No.	Max Torque (kgf-m)	Stock Bore Size	Inner Race Max. Overrun (rpm)	Dimensions (mm)								Bolts for Torque arm size x lenght x pcs	Q'ty of Oil (cc)	Weight (kgf)
				A	B	C	E	F	G	V	Z			
BS 160RK	2,500	100~160	110	135	360	130	315	255	60	190	M10	M20 x 50ℓ x 10	1,300	95
BS 200RK	3,800	100~200	110	150	430	145	380	310	60	235	M12	M20 x 50ℓ x 8	1,900	155
BS 220RK	5,000	150~220	105	235	500	230	420	300	95	255	M12	M20 x 55ℓ x 22	3,400	310
BS 250RK	9,000	180~250	90	295	600	290	530	355	125	290	M14	M24 x 55ℓ x 22	8,200	637
BS 270RK	12,500	200~270	80	295	650	290	370	395	130	320	M14	M24 x 55ℓ x 22	10,000	660
BS 300RK	18,000	230~300	80	295	780	290	690	495	130	380	M14	M30 x 70ℓ x 22	15,000	1,050
BS 350RK	32,000	250~350	75	320	930	360	815	565	135	442	M16	M36 x 85ℓ x 22	18,000	1,710

※ Bolts for oil Reservoir : • BS 160RK (M20 x 50ℓ x 10)
• BS 200RK (M22 x 50ℓ x 8)

Character

1. BS-RK series are used in backstop applications.
2. Overruning speed of BS-RK series with oil reservoirs is higher than BS-K series.
3. Specify direction of inner race drive (right hand (R.H) or left hand (L.H)) viewed from direction of arrow mark when ordering (refer the above drawing).

Installation

1. Check the direction of shaft rotation is the same as that of clutch.
2. Locate one of plugs of outer race at the bottom for a drain.
3. Apply preaaure only to a clutch inner race. and do not press the clutch outer race or the seal supporter.
4. Attach the end plate with the packing to the shaft by the bolts with the seal washer apply sealing paste in order to prevent leak of the oil.

※ Refer to page 38~39 page for bore tolerance and keyway

FOR BACKSTOP APPLICATION ONLY