

Applications:

- Conveyor belts
- Transport devices
- Material handling and processing machinery

Features:

- Bushing as option
- Interchangeable spares

Benefits:

- Economic solution
- Assembly of wear parts from both ends
- Little maintenance
- Easy torque adjustments

Rexnord BSD Friction Torque Limiters Series 39xx

Customer-focused Solutions.

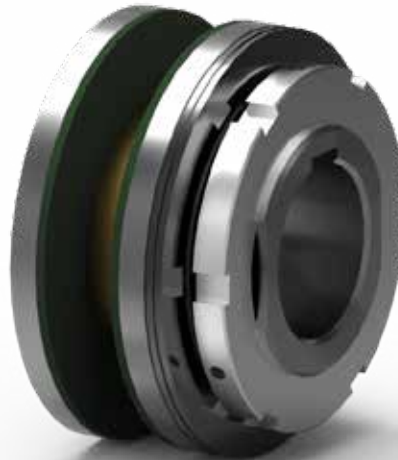
Reliable Performance.

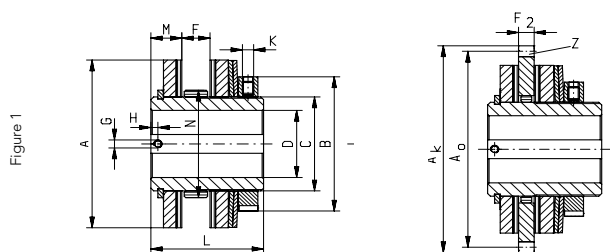
Trusted Brands.

You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

Rexnord BSD® torque limiters 39xx are designed to slip at a preset torque thus limiting the torque at overload.

Robust and reliable Rexnord BSD torque limiters are successfully applied wherever expensive machinery needs to be protected against overload and subsequent downtimes need to be avoided.





3901

3921

Figure	Size	Nominal Torque Dry Operation			Maximum Speed $n_{max} / \text{min}^{-1}$
		T_{KN} / Nm			
		Single Stacking	Double Stacking	Triple Stacking	
		3901, 3921		3901, 3921*	
	2,5	3,5-18	18-36	36-55	6900
	6,3	9-45	45-90	90-135	5500
1	16	21-105	105-210	210-320	4200
	40	53-265	265-530	530-800	3000
	100	125-630	630-1260	1260-1900	2200
	160	-	320-1600	1600-2400	1650
2	250	-	640-3200	3200-4800	1650
	400	-	800-4000	4000-6000	1200
	630	-	1600-8000	8000-12000	1200

Figure	Size	Moment of Inertia		Weight	
		I / kgm^2		m / kg	
		3901	3921	3901	3921
	2,5	0,00018	0,00026	0,4	0,5
	6,3	0,00038	0,0007	0,75	1
1	16	0,001	0,0017	1,3	1,7
	40	0,005	0,00865	3,2	4,15
	100	0,025	0,04	7,3	9,7
	160	0,14	-	25	-
2	250	0,14	-	25	-
	400	0,535	-	44	-
	630	0,535	-	44	-

Figure	Size	Dimensions																		
		Diameters mm								Lengths mm										
		A	AK	A ₀	B	C	D _{min*}	D _{max*}	G	K	N _{es}	H	L	M	P	F _{min}	F _{max}	F2	Z	Chain
	2,5	55	73,7	69,95	55	M35x1,5	9	24	M4	M6	40	3	45	11	10	4	9	5,3	23	3/8"x7/32"
	6,3	70	94,1	89,24	62	M40x1,5	13	28	M4	M6	45	3	53	14	6	5	10	7,2	22	1/2"x5/16"
1	16	90	114,2	109,4	68	M45x1,5	18	32	M5	M6	50	4,5	65	18	4	6	16	7,2	27	1/2"x5/16"
	40	125	154,1	145,94	100	M70x1,5	18	50	M6	M8	80	5	80	22	9,3	8	20	11,1	24	3/4"x7/16"
	100	170	206,2	195,59	145	M100x2	33	70	M8	M8	110	6	100	26	12	12	30	16,2	24	1"x17mm
	160	230	-	-	180	M140x2	43	95	M10	M8	150	9	150	35	10	14	35	-	-	-
2	250	230	-	-	180	M140x2	43	95	M10	M8	150	9	150	35	10	14	35	-	-	-
	400	310	-	-	220	M170x3	68	120	M10	M8	185	9	180	45	12	14	40	-	-	-
	630	310	-	-	220	M170x3	68	120	M10	M8	185	9	180	45	12	14	40	-	-	-

*) Type 3921 only up to size 100, triple stacking only up to size 6,3
Apply to maximum bores
To be supplied prebored and without sliding bush unless specified

Data subject to change without notice.
Please consult Rexnord for larger sizes or special design requirements.