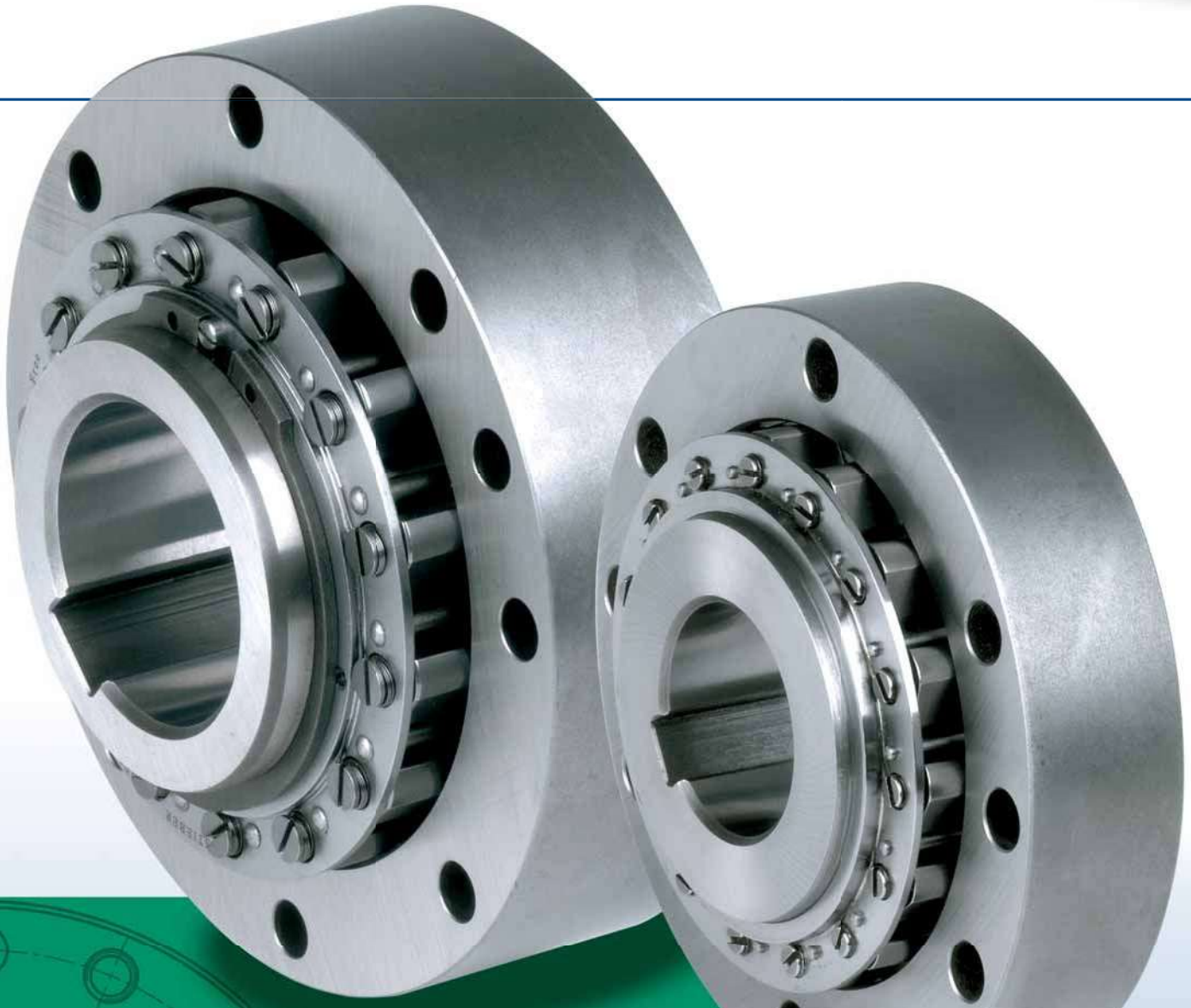
Stieber Clutch

BACKSTOPS

RSXM 31-240

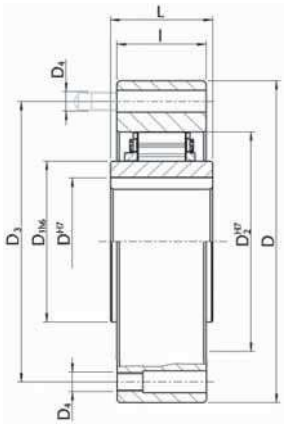


GREATER TORQUE CAPACITY THROUGH INNOVATIVE DESIGN...

...and with no losses due to eccentricity.

The new series RSXM completes the small to medium backstop range, which commenced with the highly successful RSCI programme introduced in 2001. RSXM gives you exceptional performance but with the same envelope and fixing dimensions as competitive products.

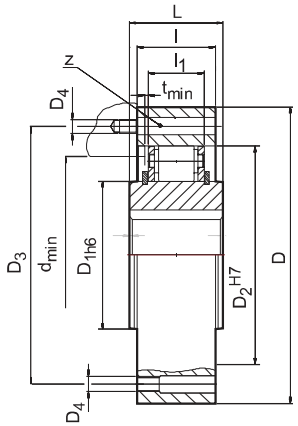
The RSXM sizes 31 to 101 feature a completely new cage design. Improved sprag geometry combined with an optimised active length ensures maximum torque capacity and fatigue resistance.



Type	Bore dia.	Torque	Overrunning speeds[2]													
RSXM	d^{H7} [mm]	T_{KN}[1] [Nm]	n_{min} [min^{-1}]	n_{max} [min^{-1}]	D [mm]	D_{1h6} [mm]	D_2^{H7} [mm]	D_3 [mm]	D_4 [mm]	z [nb]	L [mm]	l [mm]	l_1 [mm]	t_{min} [mm]	d_{min} [mm]	Weight [kg]
31	20	100	820	20000	85	31	55	70	M6	6	24	25	17	1	41	0,75
38	20,25	135	770	18500	90	38	62	75	M6	6	24	25	17	1	50	0,95
46	25,30	425	530	13500	95	46	70	82	M6	6	35	35	25	1	53	1,4
51	30,35	525	520	12500	105	51	75	90	M6	6	35	35	25	1	62	1,8
56	35,40	625	510	11500	110	56	80	96	M6	8	35	35	25	1	70	1,8
61	35,40	420	640	14000	120	61	85	105	M8	6	25	27	17	2	73	1,8
66	35,40,45	850	480	10000	132	66	90	115	M8	8	35	35	25	1	78	2,7
76	40,45,50	1100	460	9000	140	76	100	125	M8	8	35	35	25	1	90	3,1
86	45,50	1450	440	8000	150	86	110	132	M8	8	40	40	25	1	100	4,2
101	45,55,60,70	1950	420	6500	175	101	125	155	M10	8	50	50	25	1	117	7,3

1) Tmax = 2 × T_{KN} | 2) Inner race overruns

RSXM sizes 85 to 240 are based upon the proven RSCI design, which offers a perfect balance between torque capacity and permissible run-out tolerances. For further information on selection and installation please contact us.



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RSXM	d^{H7} [mm]	T_{KN}[1] [Nm]	n_{min} [min^{-1}]	n_{max} [min^{-1}]	D [mm]	D_{1h6} [mm]	D_2^{H7} [mm]	D_3 [mm]	D_4 [mm]	z [nb]	L [mm]	l [mm]	l_1 [mm]	t_{min} [mm]	d_{min} [mm]	Weight [kg]
85	50,60,65	2350	490	6100	175	85	125	155	M10	8	60	50	36	2	110	6,5
100	50,55,60,70	3050	480	4500	190	100	140	165	M10	12	60	50	36	2	120	8,6
120	65,70,80	5800	350	4000	210	120	160	185	M10	12	70	60	46	2	140	12,5
140	65,90,100	8700	330	3000	245	140	180	218	M12	12	70	70	46	2	160	18
170	90,100,110	16000	400	2400	290	170	210	258	M16	12	80	80	63	2	200	28
200	130,150	21000	370	2400	322	200	240	278	M16	12	80	80	63	2	230	35
240	150,180	31500	365	1300	412	240	310	360	M20	12	90	80	53	3	280	61

1) Tmax = 2 × T_{KN} | 2) Inner race overruns

PRECISION TRANSMATIC DEVICES PVT.LTD.
B-48, MIDC, SATARA - 411052 (INDIA)
Tel : (02162) 244 454, 246245. E-mail – sales@ptdin.com