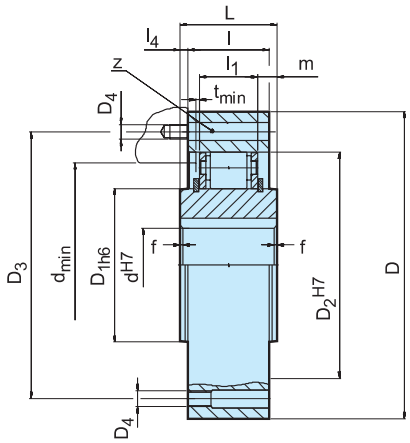
RSCI 180-300

TYPE

Type RSCI is a centrifugal lift off sprag type freewheel with the inner race rotating. Only the inner race is designed for freewheeling.

Primarily designed as a backstop, this type can be also used as an overrunning clutch in crawl drives, where the overrunning speed is high but the driving speed is low and does not exceed the maximum driving speed shown in the table. Centering of the outer race must use the inner bore. The centering spigot must not contact the sprag cage. Please refer to page 76 (RSCI 20-130) for further information.

RSCI



Size	Torque	Speeds								Number									Weight
d^{H7} [mm]	T_{KN} 1) [Nm]	n_{max} 2) [min⁻¹]	n_{imin} 3) [min⁻¹]	n_{imax} 4) [min⁻¹]	D [mm]	D_{1h6} [mm]	D_2^{H7} [mm]	D_3 [mm]	D_4	z	L [mm]	l [mm]	l_1 [mm]	l_4 [mm]	f × 45° [mm]	d_{min} [mm]	m [mm]	t_{min} [mm]	[kg]
180	31500	150	310	1300	412	240	310	360	M20	12	90	80	53	5	3,5	280	18,6	3	59
180 M	50000	115	260	1300	422	240	310	370	M20	18	120	120	83	0	4	280	18,5	2	92
180 II	63000	150	310	1300	412	240	310	360	M20	24	160	160	118	0	3,5	280	21	3	116
180 II-M	100000	115	260	1300	425	240	310	370	M24	24	240	240	176	0	4	280	32	3	190
220	42500	135	290	1100	470	290	360	410	M20	16	105	80	60	5	4	330	19,5	3	90
220 M	68000	105	240	1100	480	290	360	410	M24	16	120	120	83	0	4	330	18,5	2	109
220 II	85000	135	290	1100	480	290	360	410	M24	18	160	160	130	0	4	330	15	3	159
220 II-M	136000	105	240	1100	490	290	360	425	M30	20	240	240	176	0	4	330	32	2	249
240	52000	130	275	1100	500	320	390	440	M20	16	105	90	60	7.5	4	360	15	2	95
240 M	83000	100	225	1100	520	320	390	440	M24	16	120	120	83	0	4	360	18,5	2	137
240 II	104000	130	275	1100	505	320	390	440	M24	24	180	180	132	0	4	360	24	2	191
240 II-M	166000	100	225	1100	530	320	390	440	M30	24	240	240	176	0	4	360	32	2	292
260	65000	125	260	1000	550	360	430	500	M24	16	105	105	60	0	4	400	22,5	2	130
260 M	100000	95	215	1000	580	360	430	500	M24	24	125	125	83	0	4	400	21	2	183
260 II	130000	125	260	1000	550	360	430	500	M24	24	210	210	132	0	4	400	39	2	262
260 II-M	200000	95	215	1000	580	360	430	500	M30	24	250	250	176	0	4	400	37	2	369
300	78000	115	235	1000	630	410	480	560	M24	24	105	105	60	0	4	460	22,5	3	174
300 M	125000	90	205	1000	630	410	480	560	M24	24	125	125	83	0	4	460	21	3	210
300 II	156000	115	235	1000	630	410	480	560	M24	24	210	210	134	0	4	460	38	3	351

NOTES

1) $T_{max} = 2 \times T_{KN}$
» Refer to Selection page 10 to 13

2) This maximum allowable torque transmission speed n_{max} must not be exceeded when transmitting torque

3) This minimum allowable overrunning speed ni_{imin} should not be reduced under continuous operation. Possible reduction of this minimum speed on request

4) Inner race overruns
Keyway to DIN 6885.1

Cover F8 must be ordered seperately
» Refer to mounting and maintenance instructions page 16 to 19

Other bore diameters on request

MOUNTING EXAMPLE