RSCI 20-130

TYPE

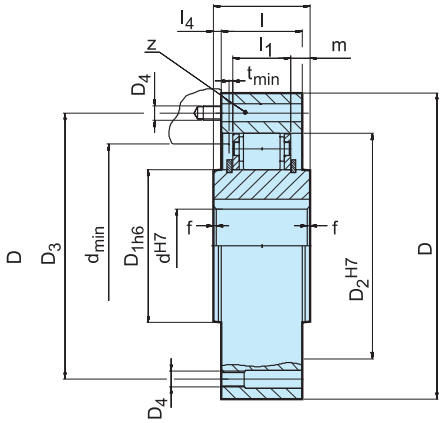
Type RSCI is a centrifugal lift off sprag type freewheel with the inner race rotating. Only the inner race is designed for freewheeling. It is a non self- supported type.

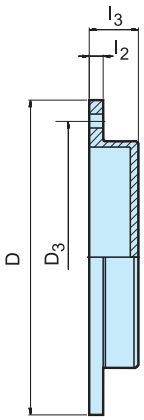
Bearings must be provided to ensure concentricity of the inner and outer races and support axial and radial loads, as shown overleaf. Concentricity and run-out limits must be observed. The RSCI type accepts all types of lubricant currently used in power transmission equipment.

It is possible to mount these freewheels directly in gear-boxes without separate lubrication. An oil mist is generally sufficient. Grease lubrication may be acceptable if the unit works mostly in overrunning condition, as on E-motors.

When used as a backstop, it must be checked that the overrunning speed will not go below the minimum speed given in the caracteristics table. Please refer to page 78 (RSCI 180–300) for further information.

RSCI





F8

Type	Size		Speeds								Number											Weight	
	d^{H7}	T_{KN} 1)	n_{max} 2)	n_{imin} 3)	n_{imax} 4)	D	D_{1h6}	D_2^{H7}	D_3	D_4	z	L	l	l_1	l_4	f×45°	d_{min}	m	t_{min}	l_2	l_3	RSCI	F8
	[mm]	[Nm]	[min^{-1}]	[min^{-1}]	[min^{-1}]	[mm]	[mm]	[mm]	[mm]			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	[kg]
RSCI	20	212	380	875	14500	90	36	66	78	M6	6	35	35	25	0	0,8	52	5	1	8	16	1,5	0,3
	25	319	355	825	14300	95	40	70	82	M6	6	35	35	25	0	1,0	56	5	1	8	16	1,6	0,4
	30	375	350	780	11400	100	45	75	87	M6	6	35	35	25	0	1,5	62	5	1	8	16	1,8	0,4
	35	550	320	740	10500	110	50	80	96	M6	8	35	35	25	0	1,5	66	5	1	8	16	2,1	0,5
	40	800	315	720	7600	125	60	90	108	M8	8	35	35	25	0	1,5	76	5	1	10	21	2,7	0,7
	45	912	285	665	6600	130	65	95	112	M8	8	35	35	25	0	1,5	82	5	1	10	21	2,9	0,9
	50	1400	265	610	6100	150	80	110	132	M8	8	40	40	25	0	1,5	100	7,5	1	10	21	4,3	1
	60	2350	200	490	5300	175	85	125	155	M10	8	60	50	36	5	2,0	110	12	2	12	35	6,5	1,8
	70	3050	210	480	4100	190	100	140	165	M10	12	60	50	36	5	2,0	120	12	2	12	35	8,6	1,9
	80	4500	190	450	3600	210	120	160	185	M10	12	70	60	36	5	2,0	140	17	3	12	35	12,5	2,6
	90	5600	180	420	2700	230	140	180	206	M12	12	80	70	36	5	2,5	165	22	3	12	35	17,4	3,0
	100	10500	200	455	2700	290	140	210	258	M16	12	90	80	52,6	5	2,5	180	18,6	3	15	37	28	5,0
	130	15750	180	415	2400	322	170	240	278	M16	12	90	80	52,6	5	3,0	210	18,6	3	15	37	35	6,0

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 separately
» Refer to mounting and maintenance instructions page 16 to 19

Other bore diameters on request

MOUNTING EXAMPLE