

## Self-Contained Freewheels

# SMZ



### TYPE



Type SMZ is a sealed, sprag type freewheel, bearing supported using two 60..ZZ series grease lubricated bearings.

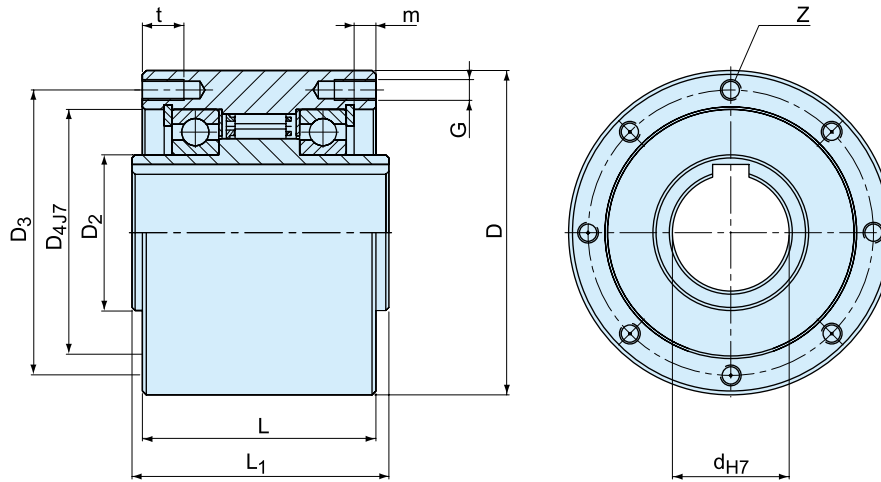
Units are delivered grease lubricated ready for installation. SMZ units are intended as multipurpose, to be used in various applications. A typical mounting

arrangement is shown on the following page. The inner race is keyed to the shaft. The inside diameter of the outer race (dimension D4) should be used as the mounting register for the connected parts (sprocket, pulley, gear, torque arm). The mounting spigot should be to g6 tolerance.

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Type	Size	Overrunning speeds										Number	Weight		
	$d_{H7}$ [mm]	$T_{KN}^{1)}$ [Nm]	$n_{imax}^{2)}$ [min <sup>-1</sup> ]	$n_{amax}^{3)}$ [min <sup>-1</sup> ]	D [mm]	D <sub>2</sub> [mm]	D <sub>3</sub> [mm]	D <sub>4</sub> <sup>J7</sup> [mm]	L [mm]	L <sub>1</sub> [mm]	G [mm]	z	t [mm]	m [mm]	[kg]
SMZ	20	300	1600	700	80	30	68	55	65	67	M6	6	12	7,6	2
	30	1035	1500	500	100	45	88	75	80	82	M8	6	16	8,9	3,7
	35	1100	1400	300	110	50	95	80	85	87	M8	6	16	8,7	4,8
	45	1750	1300	300	125	60	110	95	90	92	M8	8	16	8,4	6,2
	60	3400	1100	250	155	80	140	125	100	102	M8	8	16	9,1	10,2
	70	4300	1000	250	175	95	162	140	103	105	M8	8	16	8,6	13,2

## NOTES

1)  $T_{max} = 2 \times T_{KN}$   
» Refer to Selection page 7 to 11

2) Inner race overruns

3) Outer race overruns  
Keyway to DIN 6885.1

» Refer to mounting and maintenance instructions  
page 12 to 13

## MOUNTING EXAMPLE

