

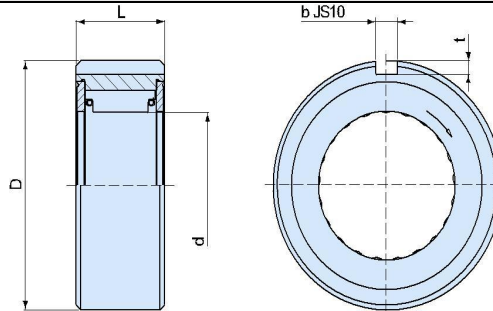
S200 Series

Type S200 is a non bearing supported sprag type freewheel. The sprags run directly on the shaft provided by the user. Bearings are required to support axial and radial loads. Lubrication and sealing must also be provided by the installation.

A typical arrangement is to install this type alongside a bearing as shown on the following page. The housing bore to receive the outer race will be -machined with a H7 tolerance. A key will transmit the torque. The shaft on which the sprags run must have a surface hardness of HRC 60 to 62 for a finished depth of 0,6 mm minimum. Core hardness should be HRc 35 to 45. Surface roughness must not exceed 22 CLA. -Maximum shaft taper 0,01 mm per 50 mm length. Concentricity between shaft and housing bore should be maintained within TIR 0,05 mm.

The preferred lubrication is oil. The Stieber design allows the use of most of the common lubricants used in power transmission including gear oils with EP additives. When it is necessary the grease lubrication is also possible.

Freewheel Clutch Bearings: S200 Series



Motion(shanghai)Industrial Development Co.,Ltd

Type	Size	d-0.025 +0 [mm]	T _{KN} ¹⁾ [Nm]	Overrunning speeds		D [mm]	L [mm]	b [mm]	t [mm]	Bearing series	Drag torque T _r [Ncm]	Weight [kg]
				n _{imax} ²⁾ [min ⁻¹]	n _{amax} ³⁾ [min ⁻¹]							
S200	203	16,510	45	2400	500	⁴⁰ - 0,014 -0,039	25	4	2,5	6203	0,01	0,25
S201	204	18,796	60	2400	500	⁴⁷ - 0,014 -0,039	25	5	3	6204	0,01	0,35
S202	205	23,622	100	1800	400	⁵² - 0,017 -0,042	25	5	3	6205	0,02	0,45
S203	206	32,766	240	1800	350	⁶² - 0,017 -0,042	28	7	4	6206	0,02	0,70
S204	207	42,088	380	1800	300	⁷² - 0,017 -0,042	28	7	4	6207	0,02	0,80
S205	208	46,761	560	1800	200	⁸⁰ - 0,017 - 0,042	32	10	4,5	6208	0,02	0,90
S206	209	46,761	560	1800	200	⁸⁵ - 0,020 -0,042	32	10	4,5	6209	0,02	0,95
S207	210	56,109	850	1200	200	⁹⁰ - 0,020 -0,042	32	10	4,5	6210	0,03	1,00

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