

WS 81104WS shaft washer for cylindrical and needle roller thrust bearings

WS shaft washer for cylindrical and needle roller thrust bearings

Shaft washers for cylindrical and needle roller thrust bearings are supplied as separate components. They are made of hardened carbon chromium bearing steel and have a precision-ground raceway surface and a ground bore. The washers can be combined with roller and cage thrust assemblies and housing washers to create complete bearings. SKF recommends using WS washers for high-speed applications where accurate centring of the washers is required.

- Enable full interchangeability of shaft washers
- Suitable for high-speed applications
- Suitable where accurate centring of washers is required
- 811 series washers are available for needle roller thrust bearings

Overview

Dimensions

Bore diameter	20 mm
Outside diameter	35 mm
Height	2.75 mm

Properties

Bearing part	Shaft washer
Material	Bearing steel
Coating	Without

Technical Specification



Dimensions

d	20 mm	Nominal shaft diameter for housing washer WS series
B	2.75 mm	Thickness shaft washer WS series
d_1	35 mm	Outside diameter shaft washer
$r_{1,2}$	min. 0.3 mm	Chamfer dimension shaft washer WS series

Mass

Mass shaft washer	0.013 kg

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