# **Spherical Washers / Conical Seats • DIN 6319** 23050.0133



# **Product Description**

Spherical washers / Conical seats are used as washers in a screw connection to compensate non-parallel surfaces.

#### **Material**

#### Conical seat

· Case-hardened steel, case-hardened, manganese phosphated

# **Assembly**

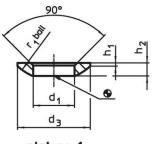
Conical seats form D are to be used only for plain, closed round areas. For larger holes only use form G!

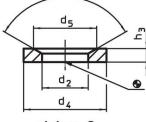
# More information

# **Further products**

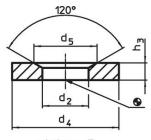
- · Spherical Washers / Conical Seats, similar to DIN 6319, stainless steel
- Fixture Nuts, DIN 6330 (height 1,5 d)

# Drawing





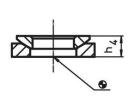
120°

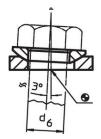


picture 1

picture 2

picture 3





# **Order information**

<b>d₂</b> H13	Dimensions d <sub>4</sub> d <sub>5</sub> h <sub>3</sub>			For pin	For screws	Load capacity for static load <sup>1)</sup> max.	Torque for screwed connections 1) 2) max.	i	Art. No. <sup>3)</sup>
[mm]				[mm]	[mm]	[kN]	[Nm]	[g]	
conical seats from case-hardened steel, form D – picture 2									
38.5	62	55	14	33	M33	326	1969	180	23050.0133

<sup>&</sup>lt;sup>1)</sup> Values are determined by calculation.

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 $<sup>^{2)}</sup>$  Torques of screws with standard thread, eventual pre-loads to be considered, coefficient of friction  $\mu_{total}$  0.14.

 $<sup>^{\</sup>rm 3)}\,{\rm DIN}$  standards do not include these dimensions.

# **Application example**



# Compliance

# **RoHS** compliant

Compliant according to Directive 2011/65/EU and Directive 2015/863.

# **Does not contain SVHC substances**

No SVHC substances with more than 0.1% w/w contained - SVHC list [REACH] as of 27.06.2024.

# Does not contain Proposition 65 substances

No Proposition 65 substances included. https://www.P65Warnings.ca.gov/

# **Free from Conflict Minerals**

This product does not contain any substances designated as "conflict minerals" such as tantalum, tin, gold or tungsten from the Democratic Republic of Congo or adjacent countries.



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