# **Spherical Washers / Conical Seats • DIN 6319** 23050.0152



### **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**

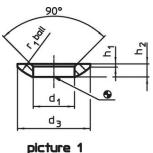
Conical seats form D are to be used only for plain, closed round areas. For larger holes only use form G!

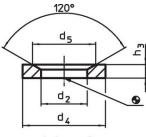
#### More information

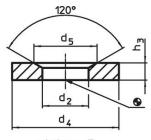
#### **Further products**

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

# Drawing

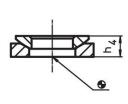


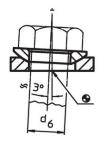




picture 2

picture 3





#### **Order information**

<b>d₂</b> H13	Dimens d <sub>4</sub>	sions 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 <sup>1) 2)</sup> max.	Ĭ	Art. No. <sup>3)</sup>
[mm]				[mm]	[mm]	[kN]	[Nm]	[g]	
conical seats from case-hardened steel, form D – picture 2									
60	96	85	24	52	M52	832	7876	740	23050.0152

<sup>1)</sup> Figures theoretically determined

Erwin Halder KG

Page 1 of 2 Published on: 3.2.2024

www.halder.com

 $<sup>^{2)}</sup>$  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 23.01.2024.

Erwin Halder KG

#### 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.



www.halder.com Page 2 of 2

Published on: 3.2.2024