# **Spherical Washers / Conical Seats • DIN 6319** 23050.0052

## **Product Description**



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

#### **Material**

## Spherical washer

Case-hardened steel, case-hardened, manganese phosphated

#### **Assembly**

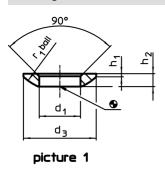
Conical seats form D are to be used only for plain, closed round areas. For larger holes only use form G!

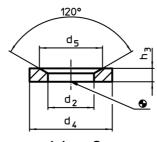
#### More information

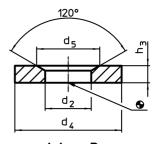
## **Further products**

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

# Drawing

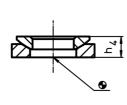


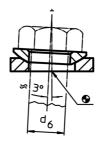




picture 2

picture 3





## **Order information**

Dimensions						For pin	For screws		Torque for screwed	I	Art. No. <sup>3)</sup>
<b>d</b> ₁ H13	d <sub>3</sub>	h <sub>1</sub>	h <sub>2</sub>	h₄ with conical seat form D ~	r <sub>1</sub>	d <sub>6</sub>	d <sub>6</sub>	for static load <sup>1)</sup> max.	connections <sup>1) 2)</sup> max.		
[mm]						[mm]	[mm]	[kN]	[Nm]	[g]	
spherical washers from case-hardened steel, form C – picture 1											
54	96	9.3	22	38.3	72	52	M52	832	7876	610	23050.0052

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

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www.halder.com Page 1 of 3 Published on: 28.10.2022

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

<sup>&</sup>lt;sup>3)</sup> DIN standards do not include these dimensions.

# **Application example**



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# 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 10.06.2022

#### **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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www.halder.com Page 3 of 3

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