# **Spherical Washers / Conical Seats • DIN 6319** 23050.0060



# **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**

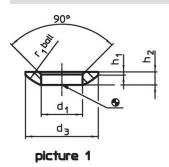
Conical seats form D are to be used only for plain, closed round areas. For larger holes only use form G!

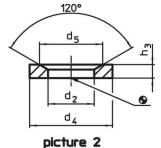
# More information

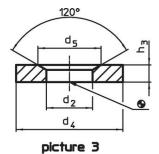
# **Further products**

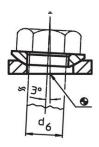
- Spherical Washers / Conical Seats, similar to DIN 6319, stainless steel
- Fixture Nuts, DIN 6330 (height 1,5 d)

# Drawing









# **Order information**

<b>d₁</b> H13	d <sub>3</sub>	Dir h₁	nensions	h <sub>4</sub> with conical seat form D	r <sub>1</sub>	For pin d <sub>6</sub>	For screws	Load capacity for static load <sup>1)</sup> max.	Torque for screwed connections <sup>1) 2)</sup> max.	ă	Art. No. <sup>3)</sup>
[mm]						[mm]	[mm]	[kN]	[Nm]	[g]	
spherical washers from case-hardened steel, form C – picture 1											
62	112	11	25	43.6	86	60	M60	1122	12219	990	23050.0060

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



Halder France SAS www.halder.fr Page 1 of 3 Published on: 4.2.2024

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

<sup>3)</sup> 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.

# **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.



Halder France SAS www.halder.fr Page 3 of 3

Published on: 4.2.2024