Spherical Washers / Conical Seats • DIN 6319 23050.0020



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

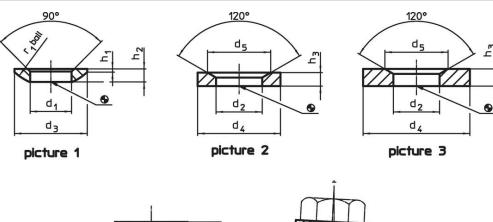
Conical seats form D are to be used only for plain, closed round areas. For larger holes only use form G!

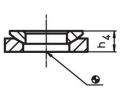
More information

Further products

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

Drawing







Order information

Dimensions							For pin	For screws			I	Art. No.
d ₁	d ₃	h ₁	h ₂	h₄		r ₁	d ₆	d ₆	for static load	connections ¹⁾		
H13				with conical seat form D	with conical seat form G ~				max.	max.		
[mm]							[mm]	[mm]	[kN]	[Nm]	[g]	
spherical washers from case-hardened steel, form C – picture 1												
21	36	2	6.3	11.7	12.2	27	20	M20	117	407	23	23050.0020

 $^{^{1)}}$ Torques of screws with standard thread, eventual pre-loads to be considered, coefficient of friction μ_{total} 0.14.

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www.halderusa.com Page 1 of 3

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Application example





Compliance

RoHS compliant

Contains lead - compliant according to exceptions 6a / 6b / 6c.

Contains SVHC substances >0,1% w/w

Contains lead - SVHC list [REACH] as of 23.01.2024.

Contains Proposition 65 substances



Lead can cause cancer and reproductive harm from exposure 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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