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Ball-Ended Thrust Screws • headless, flat-faced ball and hexalobular socket

EH 22720.



Product Description

The headless design allows a variable screw penetration depth and space-saving integration into the assembly.
The movable, flat-faced ball adapts to inclined or non-parallel locating surfaces. It distributes the applied force over a larger contact surface, enabling force transmission over a larger surface area.
The smooth bearing surface allows even and gentle force application to the component.
The hexalobular socket drive provides optimum force transmission, reduces wear on the tool and drive recess and thereby helps extend tool life.
This product group offers the following features and advantages:

- Compact headless design
- Variable screw penetration depth to suit the installation situation
- Movable, flat-faced ball
- Compensates for inclined or non-parallel locating surfaces
- Smooth bearing surface for a flächige, even and gentle force application
- Hexalobular socket drive for optimum force transmission
- Force transmission over a larger surface area between tool and drive recess
- Reduced tool wear for longer tool life
- Versions in steel or stainless steel

Material

Ball

- Ball-bearing steel, hardened
- Stainless steel, hardened

Screw

- Heat-treated steel, 1200 ±100 N/mm^2
- Stainless steel 1.4305

More information

Notes

Ball not secured against rotating.
Customized design on request.

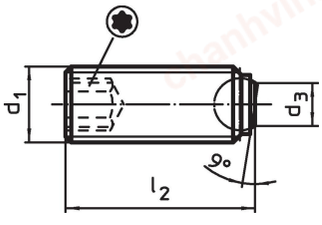
References

Thread lock on request.

Further products

- Ball-Ended Thrust Screws, headless, ball protected against rotating
- Ball-Ended Thrust Screws, headless, flat-faced ball
- Ball-Ended Thrust Screws, headless, round ball and hexalobular socket

Drawing



Order information

Dimensions					Load capacity for static load[1] max.	max.		Art. No.
d_1	l_2	d_3	Ball diameter					
[mm]					[kN]	[°C]	[g]	
flat-faced ball, bearing surface plain, Heat-treated steel								
M4	**5.6**	1.8	2.5	8	3.5	250	0.3	22720.1542
M4	**9.6**	1.8	2.5	8	3.5	250	0.6	22720.1544
M5	**7.5**	2.2	3.0	10	4.5	250	0.7	22720.1552
M5	**11.5**	2.2	3.0	10	4.5	250	1.2	22720.1554
M6	**10.0**	3.2	4.0	15	9.0	250	1.4	22720.1562
M6	**16.0**	3.2	4.0	15	9.0	250	2.4	22720.1564

[1] Statements on load capacity are not valid for the stainless steel type (except the type fitted with thermoplastic balls).

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Compliance

For detailed compliance information please select the desired article number.