chanhvinh.com

Ball-Ended Thrust Screws • headless, round ball and hexalobular socket
EH 22720.



Product Description

Headless ball-ended thrust screws with a fully spherical ball are used for positioning, clamping, tensioning and supporting components. They are particularly suitable for applications requiring point force transmission or space-saving integration into the assembly.
The headless design allows a variable screw penetration depth and space-saving integration into the assembly.
The fully spherical ball provides point contact with the component and transmits the force via a small contact area. Its spherical locating surface also allows it to be used on inclined or non-parallel surfaces.
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
- Fully spherical ball for targeted point force transmission
- Suitable for inclined or non-parallel locating surfaces
- 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.

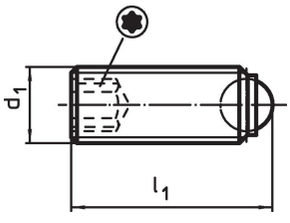
References

Thread lock on request.

Further products

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

Drawing



Order information

Dimensions				Load capacity for static load[1] max.	max.		Art. No.
d_1	l_1	Ball diameter					
[mm]				[kN]	[°C]	[g]	
round ball, Heat-treated steel							
M4	**6.0**	2.5	8	3.5	250	0.3	22720.1042
M4	**10.0**	2.5	8	3.5	250	0.6	22720.1044
M5	**8.0**	3.0	10	4.5	250	0.7	22720.1052
M5	**12.0**	3.0	10	4.5	250	1.2	22720.1054
M6	**10.8**	4.0	15	9.0	250	1.5	22720.1062
M6	**16.8**	4.0	15	9.0	250	2.4	22720.1064

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

chanhvinh.com

Dimensions				Load capacity for static load[1] max.	max.		Art. No.
d_1	l_1	Ball diameter					
[mm]				[kN]	[°C]	[g]	
round ball, Stainless steel							
M4	**6.0**	2.5	8	3.5	250	0.3	22720.2042
M4	**10.0**	2.5	8	3.5	250	0.6	22720.2044
M5	**8.0**	3.0	10	4.5	250	0.7	22720.2052
M5	**12.0**	3.0	10	4.5	250	1.2	22720.2054
M6	**10.8**	4.0	15	9.0	250	1.5	22720.2062
M6	**16.8**	4.0	15	9.0	250	2.5	22720.2064

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

Compliance

For detailed compliance information please select the desired article number.