

## Ball-Ended Thrust Screws • headless, round ball and hexalobular socket

EH 22720.



### Product Description

Ball-ended thrust screws can also be used for positioning and clamping, tightening or supporting of non-parallel surfaces.

The hexalobular drive enables an optimal load transmission. The driving forces are not transmitted by edges (e.g. with the internal hexagon) but by surfaces. Due to the optimal load transmission, the tool wear is reduced and, as a result of this, the tool life is increased.

### Material

#### Ball

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

#### Screw

- Heat-treated steel,  $1200 \pm 100 \text{ N/mm}^2$
- Stainless steel 1.4305

### More information

#### Notes

Ball not secured against rotating.  
Customized design on request.

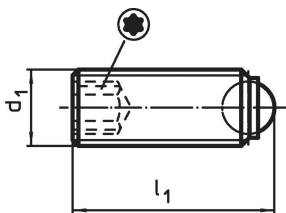
#### References

Thread lock on request, please refer to appendix - Technical Data -

#### Further products

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

### Drawing



### Order information

d <sub>1</sub>	Dimensions		Ball diameter		Load capacity for static load <sup>1)</sup> max. [kN]	max. [°C]		Art. No.
	l <sub>1</sub>	[mm]						
<b>round ball, Heat-treated steel</b>								
M4	6.0		2.5	8	3.5	250	0.3	<a href="#">22720.1042</a>
M4	10.0		2.5	8	3.5	250	0.6	<a href="#">22720.1044</a>
M5	8.0		3.0	10	4.5	250	0.7	<a href="#">22720.1052</a>
M5	12.0		3.0	10	4.5	250	1.2	<a href="#">22720.1054</a>
M6	10.8		4.0	15	9.0	250	1.4	<a href="#">22720.1062</a>
M6	16.8		4.0	15	9.0	250	2.5	<a href="#">22720.1064</a>
<b>round ball, Stainless steel</b>								
M4	6.0		2.5	8	3.5	250	0.3	<a href="#">22720.2042</a>
M4	10.0		2.5	8	3.5	250	0.6	<a href="#">22720.2044</a>
M5	8.0		3.0	10	4.5	250	0.7	<a href="#">22720.2052</a>
M5	12.0		3.0	10	4.5	250	1.2	<a href="#">22720.2054</a>
M6	10.8		4.0	15	9.0	250	1.4	<a href="#">22720.2062</a>
M6	16.8		4.0	15	9.0	250	2.5	<a href="#">22720.2064</a>

<sup>1)</sup> 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.