

## Ball-Ended Thrust Screws • headed, flat-faced ball EH 22710.



### Product Description

Ball-ended thrust screws can also be used for clamping, tightening or supporting of non-parallel surfaces.  
The flat-faced, movable ball enables a flat load transmission.

### 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.  
Special types on request.

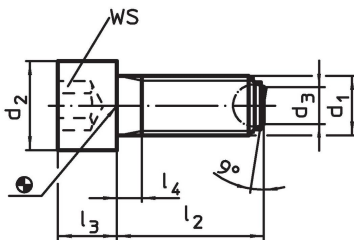
#### References

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

#### Further products

- Ball-Ended Thrust Screws, headed, ball protected against rotating


### Drawing



### Order information

d <sub>1</sub>	l <sub>2</sub> ~	d <sub>2</sub>	Dimensions			Ball diameter	WS [mm]	Load capacity for static load <sup>1)</sup> max. [kN]	[g]	Art. No.
			d <sub>3</sub>	l <sub>3</sub>	l <sub>4</sub>					
[mm]										
bearing surface plain, Heat-treated steel										
M 6	20	10	3.2	6	3.0	4.0	5	9	6.1	<a href="#">22710.0562</a>
M 6	30	10	3.2	6	3.0	4.0	5	9	7.8	<a href="#">22710.0564</a>
M 6	40	10	3.2	6	16.0	4.0	5	9	9.9	<a href="#">22710.0566</a>
M 8	20	13	4.5	8	3.5	5.5	6	15	12.0	<a href="#">22710.0582</a>
M 8	35	13	4.5	8	3.5	5.5	6	15	17.0	<a href="#">22710.0584</a>
M 8	50	13	4.5	8	22.0	5.5	6	15	23.0	<a href="#">22710.0586</a>
M10	25	16	6.0	10	4.5	7.0	8	20	24.0	<a href="#">22710.0602</a>
M10	40	16	6.0	10	4.5	7.0	8	20	32.0	<a href="#">22710.0604</a>
M10	60	16	6.0	10	28.0	7.0	8	20	44.0	<a href="#">22710.0606</a>
M12	30	18	7.2	12	5.0	8.5	10	30	38.0	<a href="#">22710.0622</a>
M12	50	18	7.2	12	5.0	8.5	10	30	52.0	<a href="#">22710.0624</a>
M12	80	18	7.2	12	44.0	8.5	10	30	80.0	<a href="#">22710.0626</a>
M16	40	24	10.7	16	6.0	12.0	14	60	95.0	<a href="#">22710.0662</a>
M16	60	24	10.7	16	6.0	12.0	14	60	121.0	<a href="#">22710.0664</a>
M16	80	24	10.7	16	36.0	12.0	14	60	153.0	<a href="#">22710.0666</a>
M20	50	30	13.5	20	7.5	15.0	17	90	185.0	<a href="#">22710.0702</a>
M20	80	30	13.5	20	28.0	15.0	17	90	254.0	<a href="#">22710.0704</a>
M20	100	30	13.5	20	48.0	15.0	17	90	304.0	<a href="#">22710.0706</a>
M24	60	36	15.8	24	9.0	18.0	19	120	323.0	<a href="#">22710.0742</a>
M24	90	36	15.8	24	30.0	18.0	19	120	424.0	<a href="#">22710.0744</a>
M24	120	36	15.8	24	60.0	18.0	19	120	526.0	<a href="#">22710.0746</a>

<sup>1)</sup> Statements on load capacity are not valid for the stainless steel type.

d <sub>1</sub>	l <sub>2</sub> ~	d <sub>2</sub>	Dimensions			Ball diameter	WS [mm]	Load capacity for static load <sup>1)</sup> max. [kN]	 [g]	Art. No.
			d <sub>3</sub>	l <sub>3</sub>	l <sub>4</sub>					
<b>bearing surface plain , Stainless steel</b>										
M 6	20	10	3.2	6	3.0	4.0	5	9	6.1	<a href="#">22710.0832</a>
M 6	30	10	3.2	6	3.0	4.0	5	9	7.8	<a href="#">22710.0834</a>
M 6	40	10	3.2	6	16.0	4.0	5	9	9.9	<a href="#">22710.0836</a>
M 8	20	13	4.5	8	3.5	5.5	6	15	12.0	<a href="#">22710.0842</a>
M 8	35	13	4.5	8	3.5	5.5	6	15	17.0	<a href="#">22710.0844</a>
M 8	50	13	4.5	8	22.0	5.5	6	15	23.0	<a href="#">22710.0846</a>
M10	25	16	6.0	10	4.5	7.0	8	20	24.0	<a href="#">22710.0852</a>
M10	40	16	6.0	10	4.5	7.0	8	20	32.0	<a href="#">22710.0854</a>
M10	60	16	6.0	10	28.0	7.0	8	20	44.0	<a href="#">22710.0856</a>
M12	30	18	7.2	12	5.0	8.5	10	30	38.0	<a href="#">22710.0862</a>
M12	50	18	7.2	12	5.0	8.5	10	30	52.0	<a href="#">22710.0864</a>
M12	80	18	7.2	12	44.0	8.5	10	30	80.0	<a href="#">22710.0866</a>
M16	40	24	10.7	16	6.0	12.0	14	60	95.0	<a href="#">22710.0872</a>
M16	60	24	10.7	16	6.0	12.0	14	60	121.0	<a href="#">22710.0874</a>
M16	80	24	10.7	16	36.0	12.0	14	60	153.0	<a href="#">22710.0876</a>
<b>bearing surface ribbed, Heat-treated steel</b>										
M 8	20	13	4.5	8	3.5	5.5	6	15	12.0	<a href="#">22710.0892</a>
M 8	35	13	4.5	8	3.5	5.5	6	15	17.0	<a href="#">22710.0894</a>
M 8	50	13	4.5	8	22.0	5.5	6	15	23.0	<a href="#">22710.0896</a>
M10	25	16	6.0	10	4.5	7.0	8	20	24.0	<a href="#">22710.0902</a>
M10	40	16	6.0	10	4.5	7.0	8	20	31.0	<a href="#">22710.0904</a>
M10	60	16	6.0	10	28.0	7.0	8	20	44.0	<a href="#">22710.0906</a>
M12	30	18	7.2	12	5.0	8.5	10	30	38.0	<a href="#">22710.0922</a>
M12	50	18	7.2	12	5.0	8.5	10	30	52.0	<a href="#">22710.0924</a>
M12	80	18	7.2	12	44.0	8.5	10	30	80.0	<a href="#">22710.0926</a>
M16	40	24	10.7	16	6.0	12.0	14	60	93.0	<a href="#">22710.0962</a>
M16	60	24	10.7	16	6.0	12.0	14	60	121.0	<a href="#">22710.0964</a>
M16	80	24	10.7	16	36.0	12.0	14	60	152.0	<a href="#">22710.0966</a>
M20	50	30	13.5	20	7.5	15.0	17	90	184.0	<a href="#">22710.0972</a>
M20	80	30	13.5	20	28.0	15.0	17	90	255.0	<a href="#">22710.0974</a>
M20	100	30	13.5	20	48.0	15.0	17	90	303.0	<a href="#">22710.0976</a>
M24	60	36	15.8	24	9.0	18.0	19	120	324.0	<a href="#">22710.0982</a>
M24	90	36	15.8	24	30.0	18.0	19	120	426.0	<a href="#">22710.0984</a>
M24	120	36	15.8	24	60.0	18.0	19	120	528.0	<a href="#">22710.0986</a>

<sup>1)</sup> Statements on load capacity are not valid for the stainless steel type.

## 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 27.06.2024.

### 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.