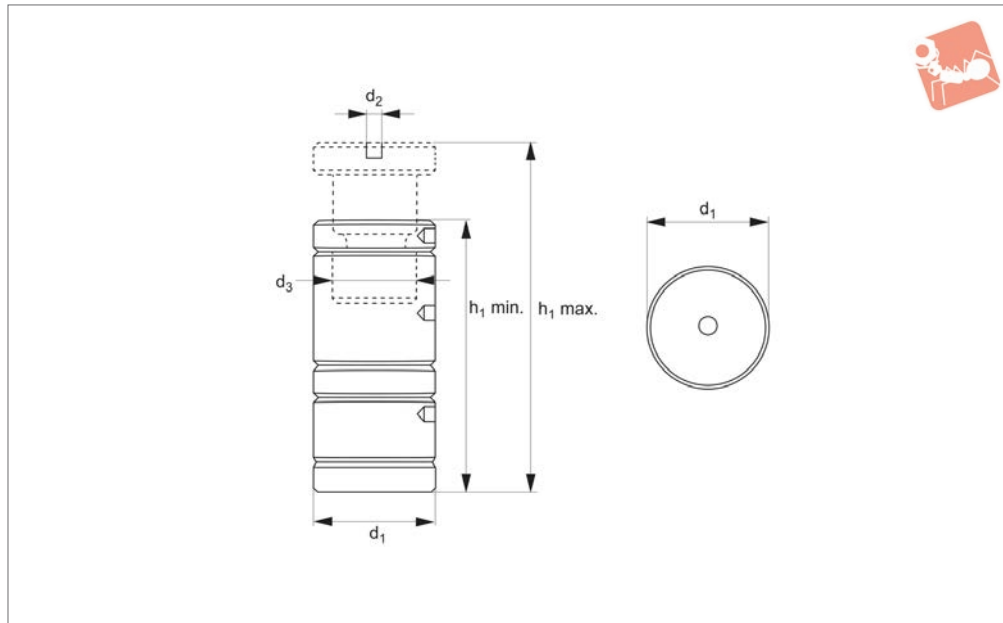




# Screw Jack Set with Spacers

aluminium and steel

## Screw Jacks



**14130**

SCREW JACKS

### Material

Body: aluminium.

Spindle: steel, heat treated with trapezoidal self-locking thread.

### Technical Notes

Thread protected against swarf ingress.

For individual parts and to make up greater heights please see no. 14140.

### Set contents:

- 1 x main screwjack
- 1 x large spacer (25,0mm)
- 1 x small spacer (12,5mm)
- 1 x aluminium base
- 1 x magnetic base

### Tips

Max. static load (kN.) applies up to

maximum height of 350mm. Do not use above these heights.

Main screw jack has a centering hole Ø12mm, for fitting of support and positioning pads nos. 15030 - 15080.

### Important Notes

**Do not adjust screw jack under load.**

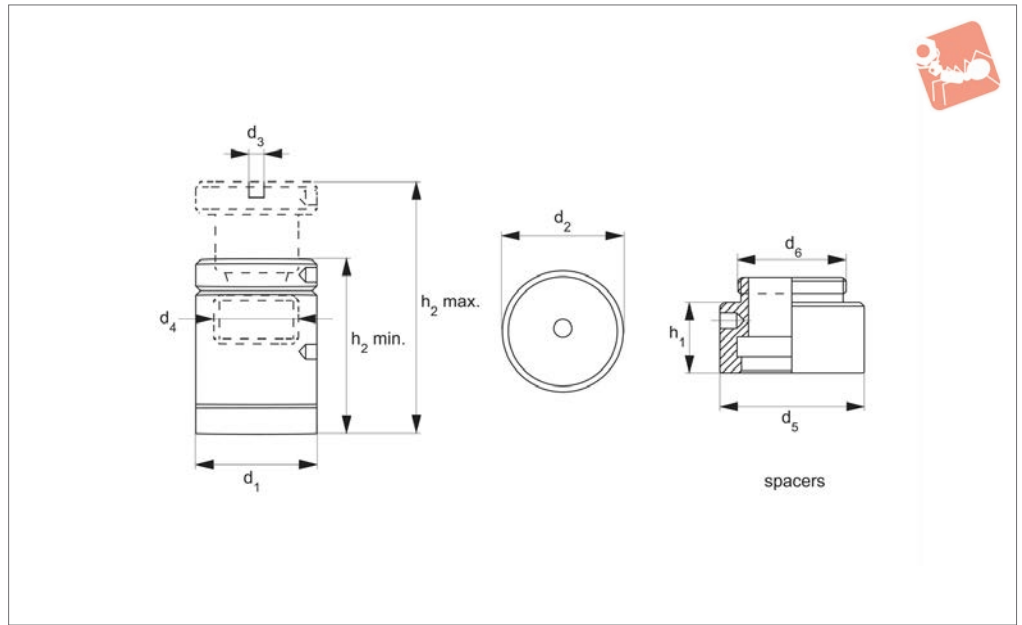
Order No.	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$d_3$	Static load kN max.	Weight g
14130.W0001	75	125	50	12	30x4	30	920



SCREW JACKS



## 14140



### Material

Body: aluminium.

Spindle: steel, tempered with trapezoidal self locking thread.

### Tips

Individual parts can be combined to create

screw jacks of varying heights (maximum 350mm).

Max. static load (30kN.) applies for heights up to 350mm, above which there is danger of buckling.

### Important Notes

**Do not adjust screw jack under load.**

Order No.	Type	$h_1$	$h_2$ min.	$h_2$ max.	$d_1$	$d_2$	$d_3$	$d_4$	$d_5$	$d_6$	Static load kN max.	Weight g
14140.W0010	Screw Jack with Aluminium Foot	-	75	88	50	50	12	30x4	-	-	30	630
14140.W0020	Screw Jack with Magnetic Foot	-	75	88	50	50	12	30x4	-	-	30	720
14140.W0125	Spacer Element	12.5	-	-	-	-	-	-	50	M38x2	30	38
14140.W0250	Spacer Element	25.0	-	-	-	-	-	-	50	M38x2	30	76
14140.W0500	Spacer Element	50.0	-	-	-	-	-	-	50	M38x2	30	165

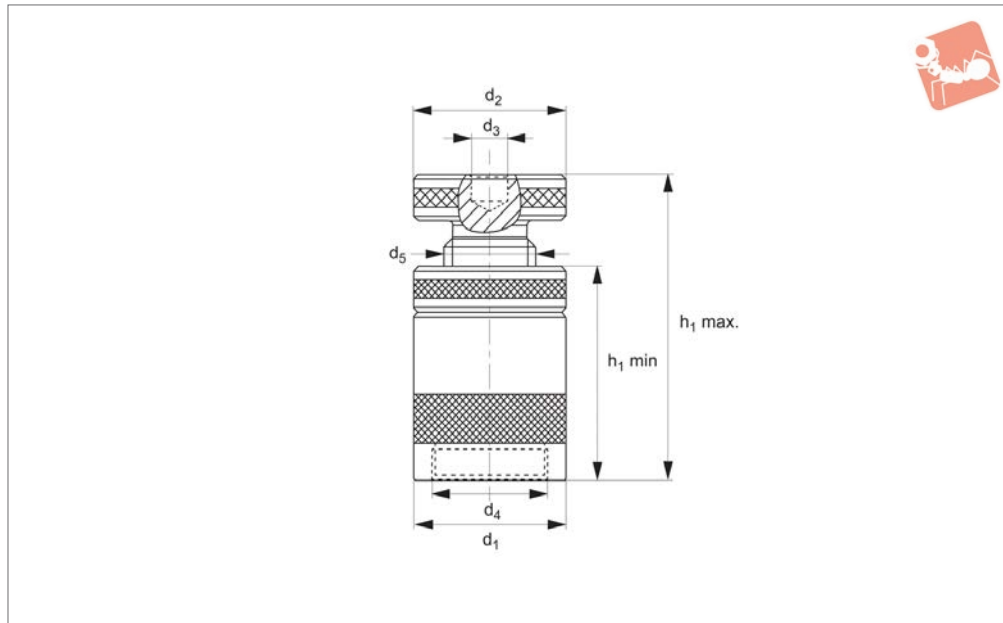


# Screw Jacks

plain Ø12 centering hole



# Screw Jacks



**15000**

SCREW JACKS

### Material

Body: carbon steel, enamelled.  
Spindle: steel, tempered.  
Trapezoidal thread, self-locking with end stop.

### Technical Notes

Light duty: for clamps with slot widths up to 14mm.

Medium duty: for clamps with slot widths approx. 14-22mm.

Heavy duty: for clamps with slot widths between 20-40mm.

Extra heavy duty: for supporting larger work-pieces.

### Tips

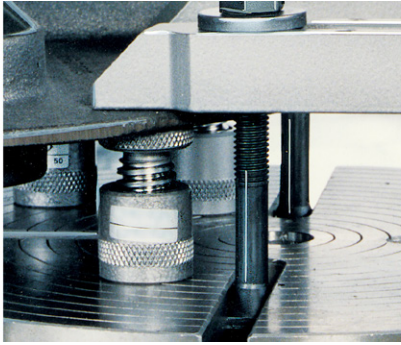
Centering hole Ø12mm in top of screw

jacks (no hole on part no. 15000.W0050).

When using in conjunction with forked clamps no. 10100, we recommend the use of locating pad no. 15060.

See technical pages for the table of locating pad and support pad elements suitability.

Order No.	Type	$h_1$ min.	$h_2$ max.	$d_1$	$d_2$	$d_3$	$d_4$	$d_5$	Static load kN max.	Weight g
15000.W0050	Light Duty	38	50	31	31	-	-	20x4	15	190
15000.W0052	Medium Duty	42	52	50	50	12	M38x2	30x4	60	550
15000.W0070	Medium Duty	50	70	50	50	12	M38x2	30x4	60	620
15000.W0100	Medium Duty	70	100	50	50	12	M38x2	30x4	60	900
15000.W0140	Heavy Duty	100	140	68	68	12	-	40x7	100	2760
15000.W0210	Heavy Duty	140	210	80	70	12	-	50x8	170	4600
15000.W0200	Extra Heavy	140	200	100	80	12	-	65x10	350	6900
15000.W0280	Extra Heavy	190	280	140	110	12	-	80x10	600	19000
15000.W0300	Extra Heavy	190	300	100	80	12	-	65x10	350	9000



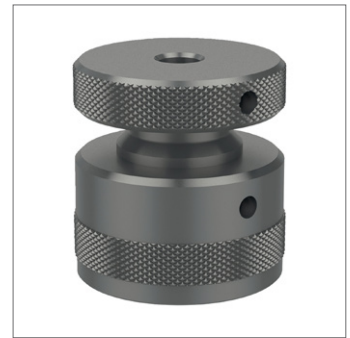
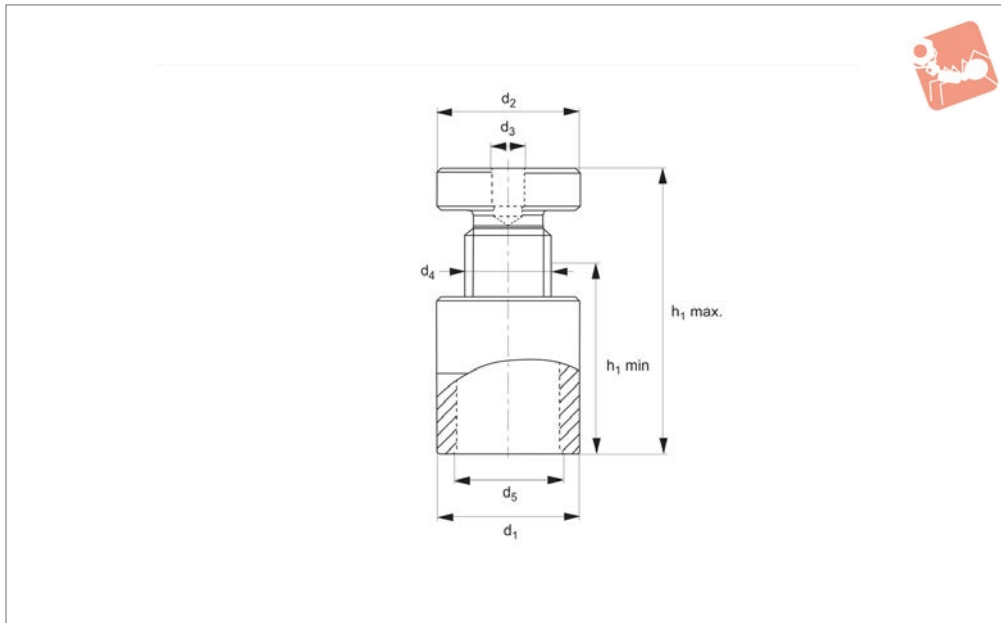


# Screw Jacks

threaded M12 centering hole



# Screw Jacks



**15002**

SCREW JACKS

**Material**

Body: carbon steel, enamelled.  
Spindle: trapezoidal thread, self-locking with end stop.

**Technical Notes**

The threaded centering hole (M12) on the

top surface of the screw jack enables secure fixing of support accessories 15042 and 15062, whilst the M38x2 base thread allows expansion of the screw jack height.

**Tips**

For table of support and locating element

compatibility see technical pages.

**Important Notes**

**Do not adjust screw jack when under load.**

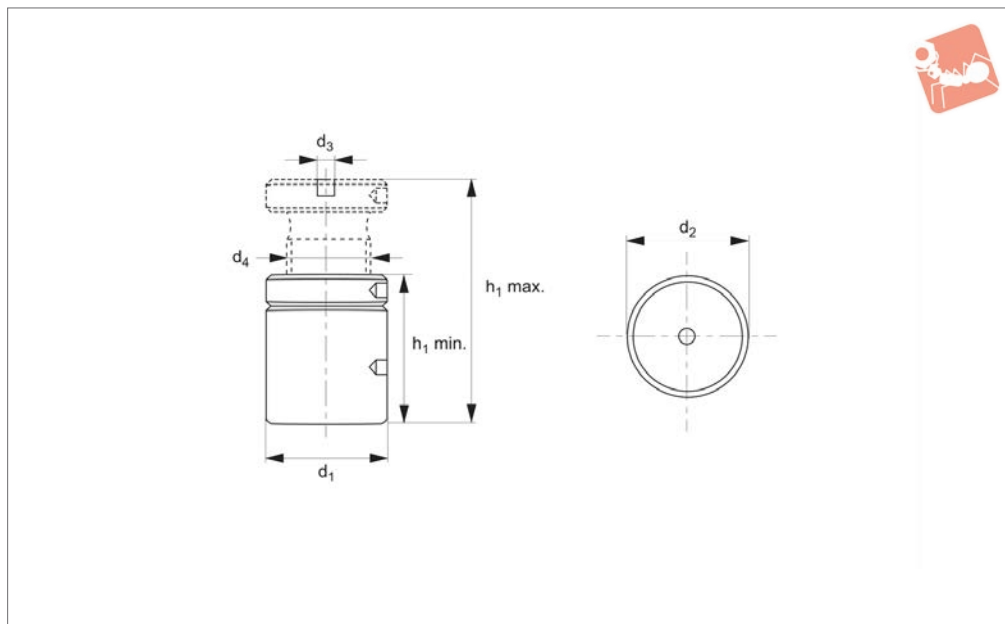
Order No.	Type	Size	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$d_3$	$d_4$	$d_5$	Static load kN max.	Weight g
<b>15002.W0052</b>	Medium Duty	52	42	52	50	50	M12	30x4	M38x2	100	550
<b>15002.W0070</b>	Medium Duty	70	50	70	50	50	M12	30x4	M38x2	100	620
<b>15002.W0100</b>	Medium Duty	100	70	100	50	50	M12	30x4	M38x2	100	948



SCREW JACKS



## 15100



### Material

Body & base: aluminium 400 N/mm<sup>2</sup> tensile strength.

Spindle: steel, tempered.

Trapezoidal thread, self-locking with end stop.

### Technical Notes

See technical pages for the table of loca-

ting pad and support locating element suitability.

Greater heights can be achieved by combining screw jacks with the centering support pad no. 15060.

### Tips

The swarf is absorbed into the aluminium base thereby protecting the machine table.

Particularly useful for delicate machine tables and high precision machines.

### Important Notes

**Do not adjust screw jacks under load.**

Order No.	Size	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$d_3$	$d_4$	Static load kN max.	Weight g
15100.W0052	52	42	52	50	50	12	30x4	30	370
15100.W0070	70	50	70	50	50	12	30x4	30	430
15100.W0100	100	70	100	50	50	12	30x4	30	600

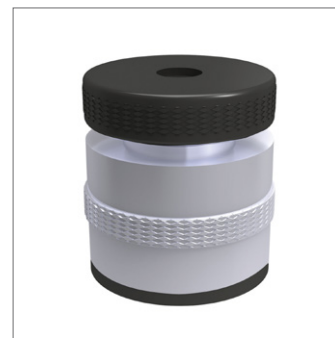
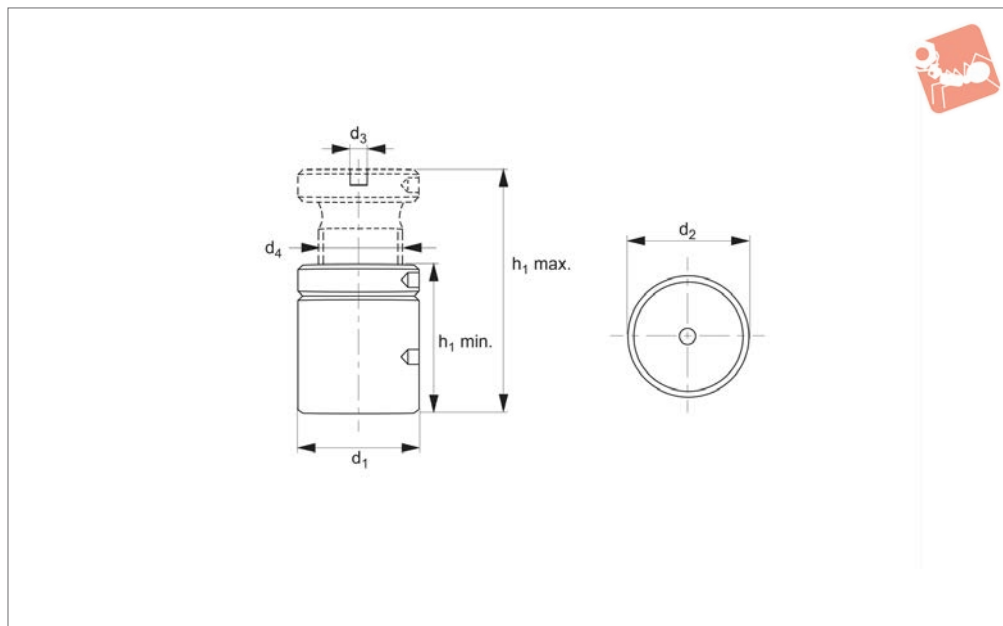


# Screw Jacks

aluminium - magnetic base



# Screw Jacks



**15120**

SCREW JACKS

### Material

Body: aluminium 400N/mm<sup>2</sup> tensile strength.

Base: magnetic.

Spindle: steel, tempered.

Trapezoidal thread, self locking with end stop.

### Technical Notes

See technical pages for the table of locating pad and support locating element suitability.

### Tips

Allows for positioning of screw jacks on

both horizontal and vertical surfaces.

Greater heights can be achieved by combining the screw jacks with the centering pad no. 15060<X\15060#22>.

Magnetic base ensures precise positioning of workpiece on vertical faces.

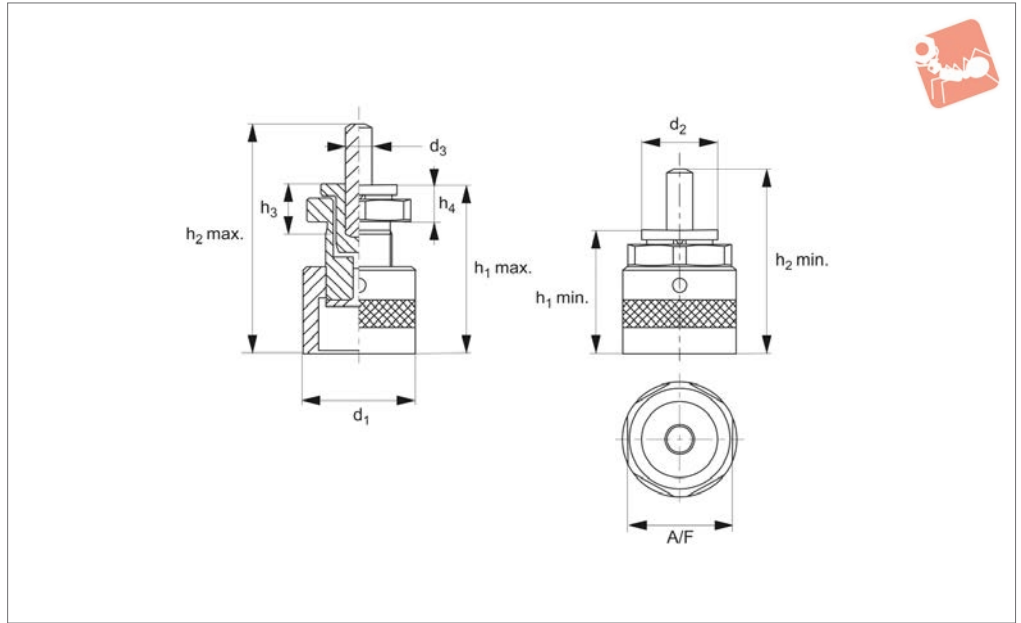
Order No.	Size	$h_1 \text{ min.}$	$h_1 \text{ max.}$	$d_1$	$d_2$	$d_3$	$d_4$	Static load kN max.	Weight g
15120.W0006	62	52	62	50	50	12	30x4	30	380
15120.W0008	80	60	80	50	50	12	30x4	30	550
15120.W0011	110	80	110	50	50	12	30x4	30	710



SCREW JACKS



## 15200



### Material

Body: steel, tempered.  
Spindle: M30x1,5 fine thread with end stop.

### Technical Notes

Comes with 2 locating pins (Ø12x50 and

Ø12x80). Centering hole Ø12 mm. The M30x1,5 fine thread makes precise adjustment possible whilst preventing the workpiece from turning.

See technical pages for the table of locating pad and support locating element

suitability.

### Tips

A bearing insert prevents the workpiece turning whilst the jack is adjusted.

Order No.	$h_1$ min.	$h_1$ max.	$h_3$	$h_4$	$d_1$	$d_2$	$d_3$	A/F	Static load kN max.	With locating pins 12x80 $h_2$ min. - $h_2$ max.	With locating pins 12x50 $h_2$ min. - $h_2$ max.	Weight g
15200.W0007	55	75	22	16,5	50	34	12	46	30	113-133	82-102	680
15200.W0011	75	115	22	16,5	50	34	12	46	30	132-172	102-142	550

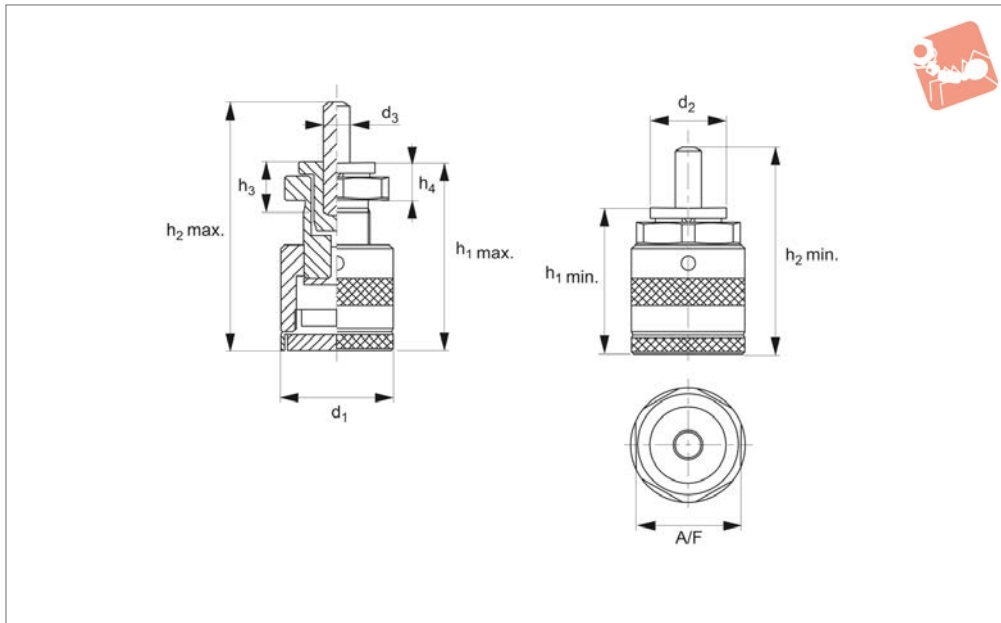




# Height Setting Screw Jacks

magnetic base and locating pins

## Screw Jacks



**15220**

SCREW JACKS

### Material

Body: steel, tempered.

Base: magnetic.

Spindle: M30x1,5 fine thread with end stop.

### Technical Notes

With 2 locating pins (Ø12x50 and Ø12x80).

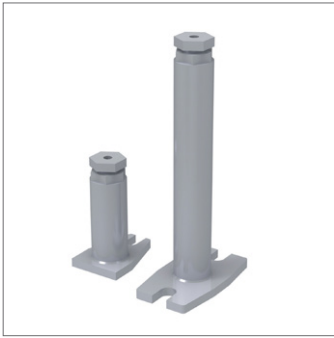
Centering hole Ø12mm. The M30x1.5 fine thread makes precise adjustment possible whilst also preventing the workpiece from turning.

See technical pages for the table of locating pad and support locating element compatibility.

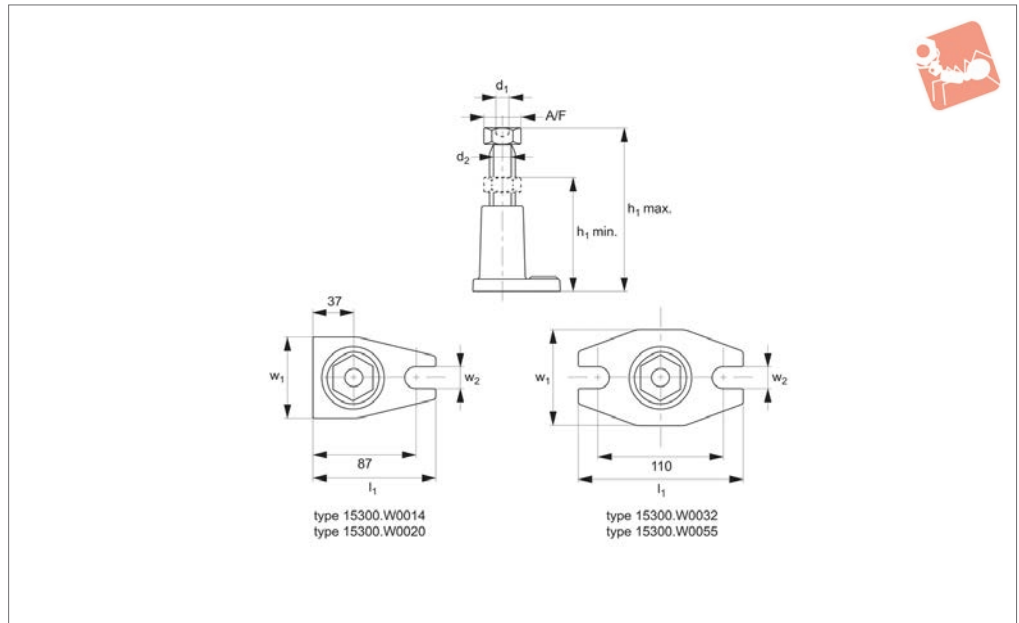
### Tips

A bearing insert prevents the workpiece from turning whilst the jack is adjusted. These screw jacks can be placed on other screw jacks (using a centering pad) to build up heights of up to 1370mm.

Order No.	$h_1$ min.	$h_1$ max.	$h_3$	$h_4$	$d_1$	$d_2$	$d_3$	A/F	Static load kN max.	With locating pins 12x80 $h_2$ min. - $h_2$ max.	With locating pins 12x50 $h_2$ min. - $h_2$ max.	Weight g
<b>15220.W0007</b>	65	85	22	16,5	50	34	12	46	30	122 - 142	92 - 112	800
<b>15220.W0011</b>	85	125	22	16,5	50	34	12	46	30	142 - 182	112 - 152	1000



## 15300



### Material

Housing: cast iron, enamelled.  
Spindle: carbon steel, trapezoidal thread 30x6.

### Technical Notes

Centering hole  $\varnothing 12\text{mm}$ .

See technical pages for the table of locating pad and support locating element suitability.

### Tips

When using in conjunction with forked clamps, we recommend the use of locating

pads no. 15040 when the slot width of the clamps is  $>26\text{mm}$ .

### Important Notes

**Do not adjust screw jacks under load.**

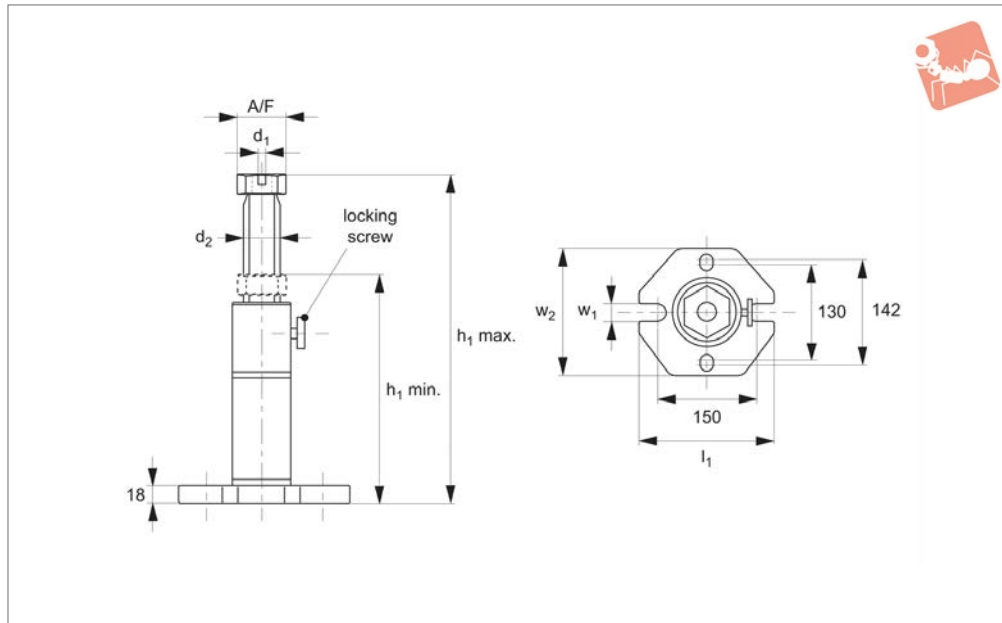
Order No.	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$w_1$	$w_2$	$l_1$	A/F	Static load kN max.	Weight g
<b>15300.W0014</b>	100	140	12	30x6	75	18	110	46	60	1800
<b>15300.W0020</b>	140	200	12	30x6	75	18	110	46	60	2200
<b>15300.W0032</b>	200	320	12	30x6	90	22	160	46	40	3800
<b>15300.W0055</b>	320	550	12	30x6	90	22	160	46	25	4900





# Heavy Duty Screw Jacks with brass locking screw

## Screw Jacks



**15320**

SCREW JACKS

### Material

Housing: cast steel, enamelled.  
Spindle: carbon steel, trapezoidal thread 40x7.

See technical pages for the table of locating pad and support locating element suitability.

### Technical Notes

With  $\varnothing 12$ mm centering hole.

### Important Notes

**Do not adjust screw jacks under load.**

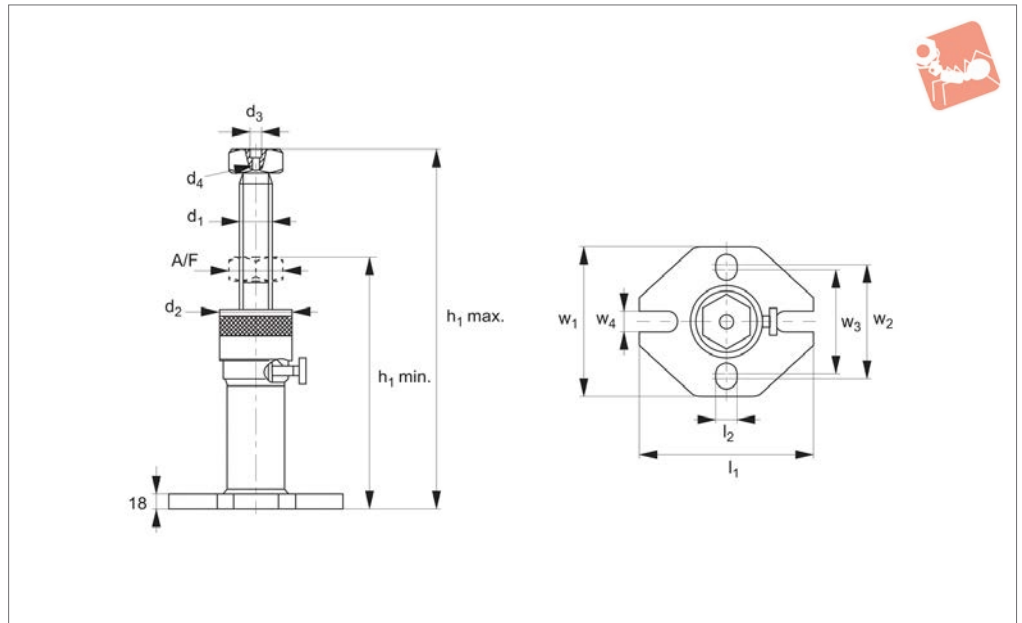
Order No.	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$w_1$	$w_2$	$l_1$	A/F	Static load kN max.	Weight g
15320.W0030	200	300	12	40x7	26	190	220	65	80	8000
15320.W0046	290	470	12	40x7	26	190	220	65	60	10000
15320.W0075	430	750	12	40x7	26	190	220	65	50	13000
15320.W0125	710	1250	12	40x7	26	190	220	65	40	18000



SCREW JACKS



## 15360



### Material

Housing: steel, tempered, enamelled.  
Spindle: steel, tempered, trapezoidal thread.

### Technical Notes

This screw jack is designed for quick, stepless adjustment throughout its height

range.

Centering hole  $\varnothing 12\text{mm}$ .  
See technical pages for the table of locating pad and support locating element suitability.

### Tips

To adjust height, grip spindle, loosen

locking screw, twist setting ring and set required height.

### Important Notes

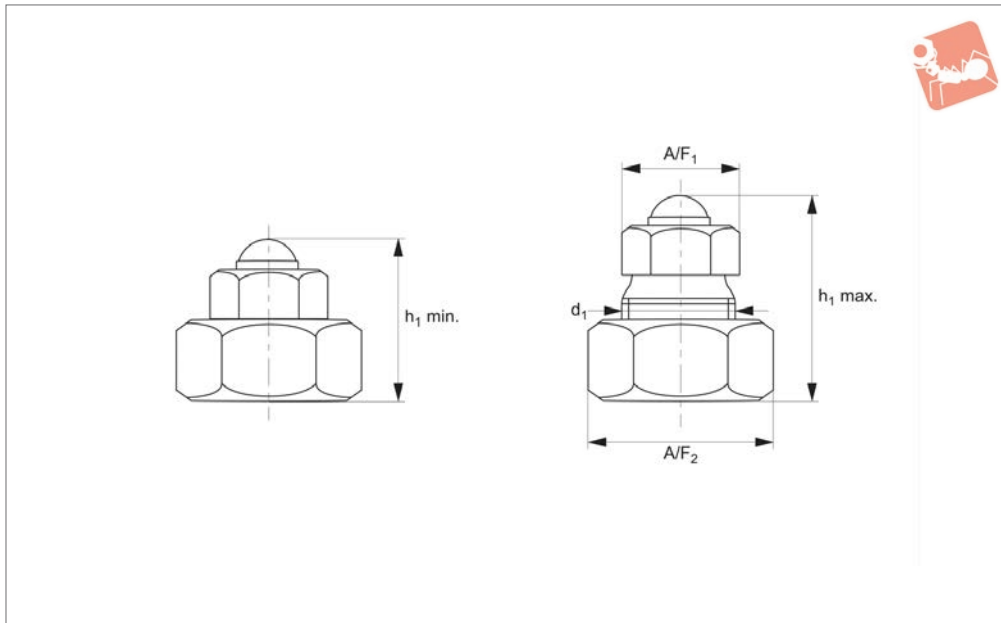
**Do not adjust screw jacks under load.**

Order No.	$h_1$ min.	$h_1$ max.	$d_1$	$d_2$	$d_3$	$d_4$	$w_1$	$w_2$	$l_1$	A/F	Static load kN max.	Weight kg
15360.W0045	320	450	40x7	90	12	M10	26	190	220	65	50	11.5
15360.W0071	450	710	40x7	90	12	M10	26	190	220	65	40	13.7
15360.W0125	710	1250	40x7	90	12	M10	26	190	220	65	30	18.3



# Height Setting Screw Jack with pivoting ball

## Screw Jacks



**15520**

SCREW JACKS

### Material

Body: steel, tempered, burnished.  
Ball: steel, hardened.

screw jack is designed to support and align cast iron or forged components. Alignment can be made to 0,1mm.

reduces the required operating forces. The use of a point-type support reduces the transmission of turning forces generated by the machine spindle.

### Technical Notes

Used as a point support, this heavy-duty

### Tips

The pivoting ball minimizes the friction and

Order No.	Size	$h_1$ min.	$h_1$ max.	$d_1$	$A/F_1$	$A/F_2$	Static load kN max.	Weight g
15520.W0070	70	56	70	39x3	41	60	30	950

