



Ningbo Yinzhou Tuebingen Metal Co., Ltd



**Edition
2021**



**Indexing elements | Operation elements
Leveling feet | Magnets**



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Profile

Machine elements are the basic parts of machines. They guarantee a correct running of the machines and avoid loss of performance and prevent mechanical breakdown. In addition they can embellish machines and facilities with their aesthetic design.

Tuebingen Metal is a young enterprise with 20 employees in the port city Ningbo, China. However its factory has developed and manufactured machine elements since 2008. The comprehensive experience, together with our highly qualified employees and the ongoing upgrades to our manufacturing equipments, forms the basis of our company's successful further development.

To the date, we have been able to manufacture more than 5000 machine elements: index bolts, index plungers, ball and spring plungers, lock pins, clamping knobs, clamping levers, handles, joints, hand wheels, and other accessories used for different applications. Our products are widely used in different sectors of the industries, such as mechanical engineering, furniture industry, chemical industry, textile industry, sports and leisure equipment industry, medical equipment industry.

If you're interested in our machine elements, we would provide you the service you need and the competitive prices.



Philosophy

Our customers are our most valuable company asset.

Furthermore, our innovative new products and our employee's comprehensive experience provide a foundation for the further successful development of our company.

We have the necessary competence and experience to work closely with our customers at every stage of your project, from design and planning through to series production.

A high level of flexibility, punctuality, a focus on designing products according to our customers' needs, and the consistently high quality standards of our products are the most important factors when it comes to steadily developing our company.



Warranty

Tuebingen Metal warrants each product against defects in workmanship and material for 90 days from the date of delivery.

This warranty covers any defects in material or workmanship under normal use. It doesn't cover ordinary wear and tear, abuse, misapplication, overloading and altered products.

When the question of warranty arises, you must first contact us to determine the problem and the most appropriate solution for you. We will either repair the product at no charge, using new or refurbished replacement parts. The replacement product or part assumes the remaining warranty of the original product.



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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Page 14



TBG210

Page 15



TBG211

Page 16



TBG212

Page 17



TBG213

Page 18



TBG214

Page 19



TBG215

Page 20



TBG216

Page 21



TBG217

Page 22



TBG218

Page 23



TBG219

Page 24



TBG220

Page 25



TBG221

Page 27



TBG222

Page 28



TBG223

Page 29



TBG224

Page 30



TBG225

Page 31



TBG226

Page 32



TBG227

Page 34



TBG228

Page 36



TBG229

Page 37



TBG230



Page 39



TBG310

Page 40



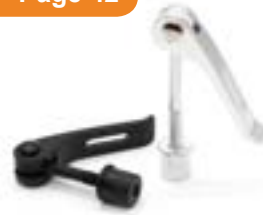
TBG311

Page 41



TBG312

Page 42



TBG313

Page 43



TBG314

Page 44



TBG315

Page 46



DIN6304

Page 47



TBG320

Page 50



DIN6336

Page 51



DIN950

Page 52



DIN444

Page 54



DIN6320

Page 56



TBG410

Page 57



TBG411

Page 58



TBG412

Page 60



TBG413

Page 63



TBG414

Page 64



TBG415

Page 69



TBG416

Page 74



TBG417

Page 79



TBG418

Page 82



TBG419

Page 85



TBG420

Page 87



DIN6332

Page 90



TBG510

Page 91



TBG511

Page 92



TBG512

Page 93



TBG513

Page 94



TBG514

Page 95



TBG515

TBG210-TBG230

INDEXING ELEMENTS



Tübingen Metal



TBG210

Indexing plungers

Compact type, suited for thin metal plate, with or without rest in retracted position

Type ST:

Blackened steel, pin hardened

Type SS:

Stainless steel AISI 303

Knob:

Polyamide (PA6), black (standard color), red, green, blue, not removable

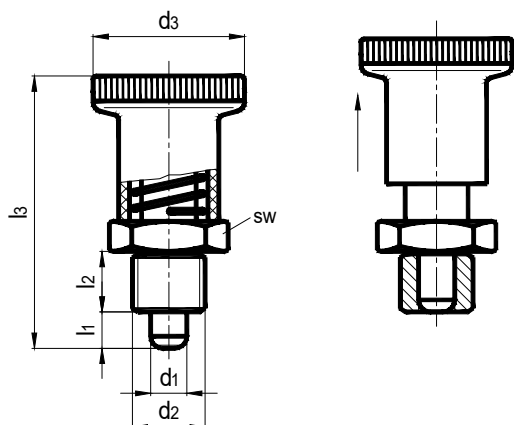
Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.



Drawing



*Complete with material index:

ST

SS

Item no.	d1	d2	d3	l1	l2	l3	SW	Rest position
TBG210-M12x1.5-45-NL-*	6	M12x1.5	25	6	10	45	17	Without
TBG210-M16x1.5-54-NL-*	8	M16x1.5	31	8	12	54	19	Without
TBG210-M12x1.5-45-LO-*	6	M12x1.5	25	6	10	45	17	With
TBG210-M16x1.5-54-LO-*	8	M16x1.5	31	8	12	54	19	With



TBG211

Mini indexing plungers

Mini type, suited for thin metal plate, with or without rest in retracted position

Metal sleeve:

Steel, zinc plated

Pin:

Stainless steel AISI 303

Knob:

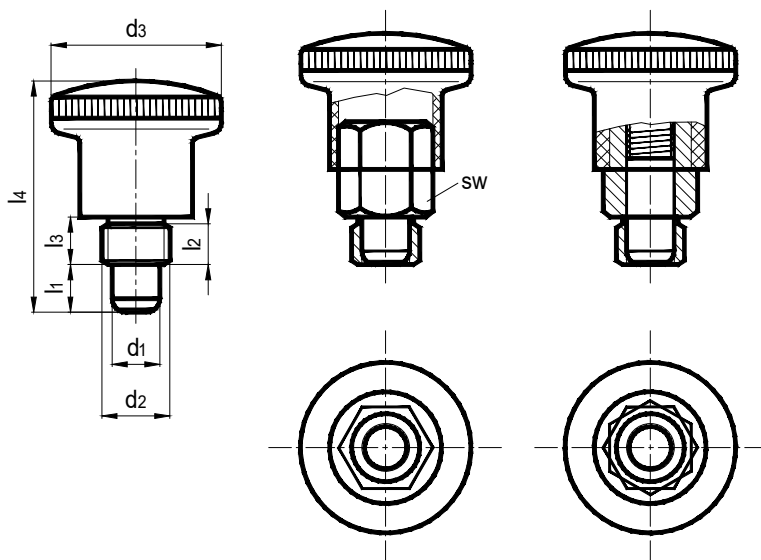
Polyamide (PA6), black, matte finish, not removable



Notes:

Mini indexing plungers TBG211 can be used with flat hexagon nuts, but the nuts will have to be purchased separately. Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



Item no.	d1	d2	d3	l1 min.	l2 min.	l3	l4	SW	Rest position
TBG211-M8x0.75-26-4-NL	4	M8x0.75	21	5	3.5	5	26.5	10	Without
TBG211-M8x0.75-26-5-NL	5	M8x0.75	21	5	3.5	5	26.5	10	Without
TBG211-M10x1-34-6-NL	6	M10x1	25	7	4.5	7	34	12	Without
TBG211-M10x1-34-7-NL	7	M10x1	25	7	4.5	7	34	12	Without
TBG211-M8x0.75-26-4-LO	4	M8x0.75	21	5	3.5	5	26.5	10	With
TBG211-M8x0.75-26-5-LO	5	M8x0.75	21	5	3.5	5	26.5	10	With
TBG211-M10x1-34-6-LO	6	M10x1	25	7	4.5	7	34	12	With
TBG211-M10x1-34-7-LO	7	M10x1	25	7	4.5	7	34	12	With



TBG212

Indexing plungers

With fixing plate, suited for thin metal plate, with or without rest in retracted position

Fixing plate:

Steel, zinc plated with 2 countersunks

Pin:

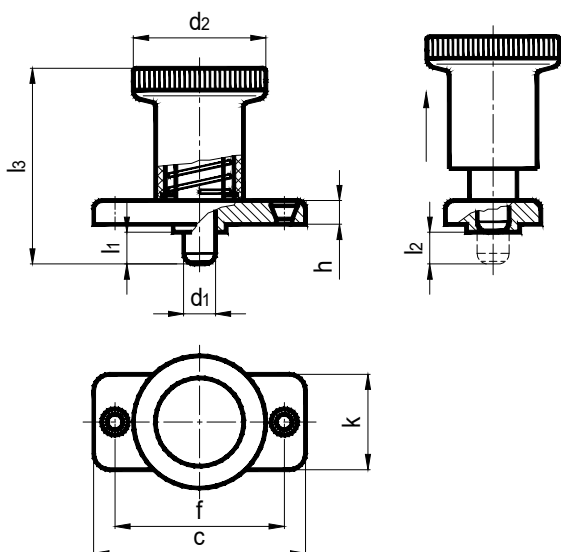
Steel, blackened

Knob:

Polyamide (PA6), black, matt finish, not removable



Drawing



Item no.	d1	d2	l1	l2	l3	h	c	k	f	Rest position
TBG212-6-37-NL	6	25	6	0	37	4.5	40	18	30	Without
TBG212-6-45-NL	6	25	14	8	45	4.5	40	18	30	Without
TBG212-8-44-NL	8	31	8	0	44	5.5	46	20	34	Without
TBG212-8-54-NL	8	31	18	10	54	5.5	46	20	34	Without
TBG212-6-37-LO	6	25	6	0	37	4.5	40	18	30	With
TBG212-6-45-LO	6	25	14	8	45	4.5	40	18	30	With
TBG212-8-44-LO	8	31	8	0	44	5.5	46	20	34	With
TBG212-8-54-LO	8	31	18	10	54	5.5	46	20	34	With



TBG213

Indexing plungers

Normal type without rest in retracted position, steel zinc plated or stainless steel

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin

Type SS:

Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin

Knob:

Polyamide (PA6), black, matt finish, not removable

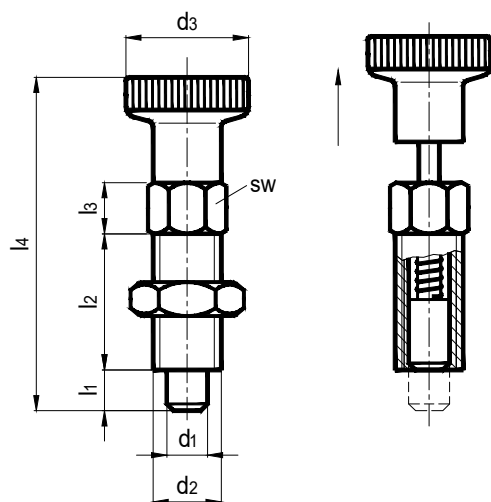
Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.



Drawing



*Complete with material index:

SZ

SS

Item no.	d1	d2	d3	l1	l2	l3	l4	SW
TBG213-M6-31-*	4	M6	12	4	12	4.5	31	6
TBG213-M8-40-*	5	M8	16	5	16	6	40	8
TBG213-M10-49-*	6	M10	18	6	20	7.5	49	10
TBG213-M12-59-*	8	M12	21	8	24	9	59	12
TBG213-M6x0.75-31-*	3	M6x0.75	12	4	12	4.5	31	6
TBG213-M8x1-40-*	4	M8x1.0	16	5	16	6	40	8
TBG213-M10x1-49-*	5	M10x1.0	18	6	20	7.5	49	10
TBG213-M12x1.5-59-*	6	M12x1.5	21	8	24	9	59	12



TBG214

Indexing plungers

Normal type with rest in retracted position, stainless steel

Sleeve:

Stainless steel AISI 303

Pin:

Stainless steel AISI 303

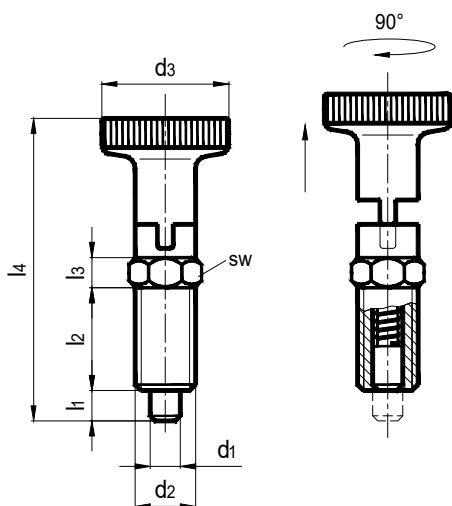
Knob:

Polyamide (PA6), black, matt finish, not removable

Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.



Item no.	d1	d2	d3	l1	l2	l3	l4	SW
TBG214-M10x1-51	5	M10x1.0	21	5	17	5	51	12
TBG214-M12x1.5-61	6	M12x1.5	25	6	20	6	61	14
TBG214-M16x1.5-75	8	M16x1.5	31	8	26	8	75.5	19
TBG214-M20x1.5-91	10	M20x1.5	31	10	33	10	91	22



TBG215

Indexing plungers

Lift ring, competitive price, steel zinc plated or stainless steel

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin, stainless steel AISI 301 lifting ring

Type SS:

Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin, stainless steel AISI 301 lifting ring

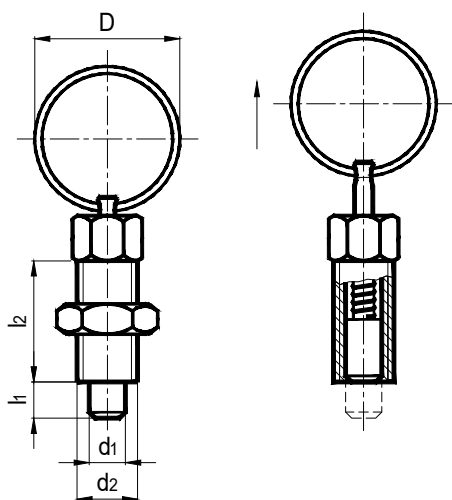


Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



*Complete with material index:

SZ

SS

Item no.	d1	d2	D	l1	l2
TBG215-M6-12-*	4	M6	14	4	12
TBG215-M8-16-*	5	M8	18	5	16
TBG215-M10-20-*	6	M10	24	6	20
TBG215-M12-24-*	8	M12	30	8	24



TBG216

Without rest in retracted position, competitive price, steel zinc plated or stainless steel

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin, steel, zinc plated knob

Type SS:

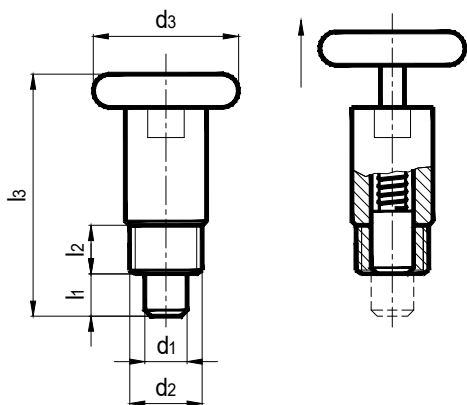
Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin, stainless steel AISI 303 knob



Notes:

Indexing plungers TBG216 can be used with flat hexagon nuts, but the nuts will have to be purchased separately. Please pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



***Complete with material index:**

SZ

SS

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TBG217

With rest in retracted position, competitive price, steel zinc plated or stainless steel

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin, steel, zinc plated knob



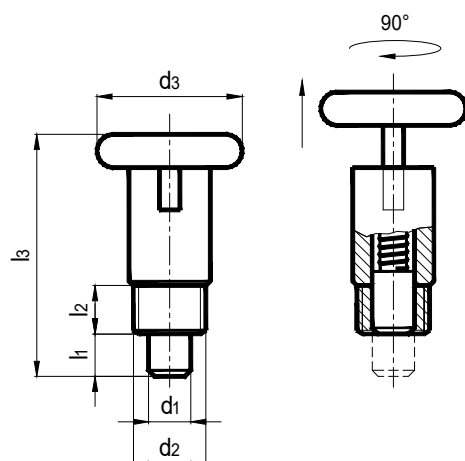
Type SS:

Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin, stainless steel AISI 303 knob

Notes:

Indexing plungers TBG217 can be used with flat hexagon nuts, but the nuts will have to be purchased separately. Please pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



***Complete with material index:**

SZ

SS

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TBG218

Indexing plungers

Without rest in retracted position, fine-pitch thread, blackened steel or stainless steel

Type ST:

Blackened steel, pin hardened

Type SS:

Stainless steel AISI 303

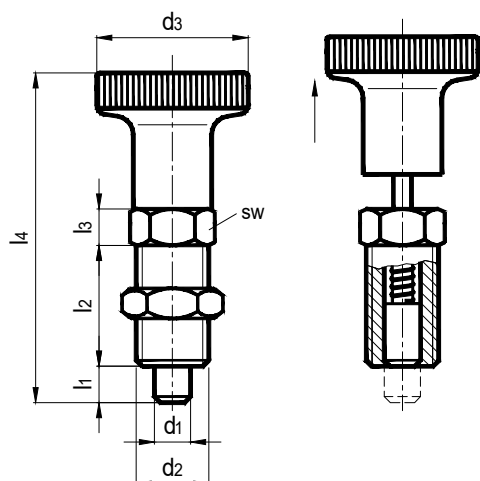
Knob:

Polyamide (PA6), black (standard color), red, green, blue, not removable

Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.
Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



*Complete with material index:

ST

SS

Item no.	d1	d2	d3	l1	l2	l3	l4	SW
TBG218-5-M10x1-45-*	5	M10x1.0	21	6	17	5	45	12
TBG218-6-M12x1.5-54-*	6	M12x1.5	25	6	20	6	54.5	14
TBG218-8-M16x1.5-69-*	8	M16x1.5	31	8	26	8	69	19
TBG218-10-M20x1.5-80-*	10	M20x1.5	31	10	33	10	80	22
TBG218-11-M20x1.5-80-*	11	M20x1.5	31	10	33	10	80	22
TBG218-12-M20x1.5-80-*	12	M20x1.5	31	10	33	10	80	22
TBG218-12-M20x2-80-*	12	M20x2	31	10	33	10	80	22



TBG219

Indexing plungers

Without rest in retracted position, competitive price, steel zinc plated or stainless steel

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin, steel, zinc plated knob

Type SS:

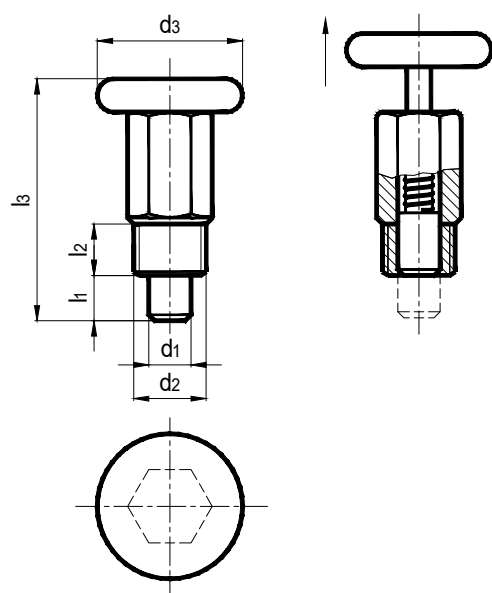
Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin, stainless steel AISI 303 knob



Notes:

Indexing plungers TBG219 can be used with flat hexagon nuts, but the nuts will have to be purchased separately. Please pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



*Complete with material index:

SZ

SS

Item no.	d1	d2	d3	l1	l2	l3	SW
TBG219-5-M10x1-31-*	5	M10x1.0	18	7.5	4	31	10
TBG219-6-M10x1-31-*	6	M10x1.0	18	7.5	4	31	10
TBG219-6-M12x1.75-40-*	6	M12x1.75	24	7.5	8.5	40	-
TBG219-7-M12x1.75-40-*	7	M12x1.75	24	7.5	8.5	40	-
TBG219-8-M12x1.75-40-*	8	M12x1.75	24	7.5	8.5	40	-



TBG220

Indexing plungers

Steel zinc plated/stainless steel, with lever, with or without rest in retracted position

Type SZ:

Steel, zinc plated

Type SS:

Stainless steel AISI 303

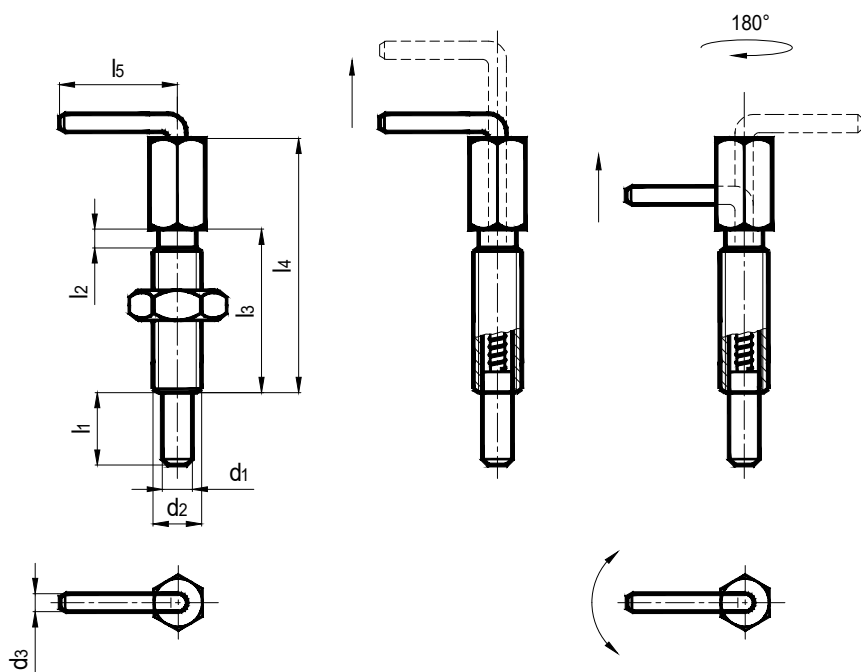


Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



*Complete with material index:

SZ

SS

Item no.	d1	d2	d3	l1 min.	l2	l3	l4	l5 min.	Rest position
TBG220-M6-32-NL-*	4	M6	2.5	9.5	2.5	20	32	16	Without
TBG220-M8-42-NL-*	5	M8	3	12	3.1	27	42	19.5	Without
TBG220-M10-51-NL-*	6	M10	3.5	14	3.7	33.5	51	24	Without
TBG220-M12-54-NL-*	8	M12	5	19	4.3	31.8	54	32	Without
TBG220-M16-77-NL-*	10	M16	5	25	5	50.5	77.5	33.5	Without
TBG220-M6-32-LO-*	4	M6	2.5	9.5	2.5	20	32	16	With
TBG220-M8-42-LO-*	5	M8	3	12	3.1	27	42	19.5	With
TBG220-M10-51-LO-*	6	M10	3.5	14	3.7	33.5	51	24	With
TBG220-M12-54-LO-*	8	M12	5	19	4.3	31.8	54	32	With
TBG220-M16-77-LO-*	10	M16	5	25	5	50.5	77.5	33.5	With



TBG221

Indexing plungers

Steel zinc plated or stainless steel sleeve, with wire loop

Type SZ:

Steel, zinc plated sleeve, stainless steel AISI 303 pin

Type SS:

Stainless steel AISI 303 sleeve, stainless steel AISI 303 pin

Wire loop:

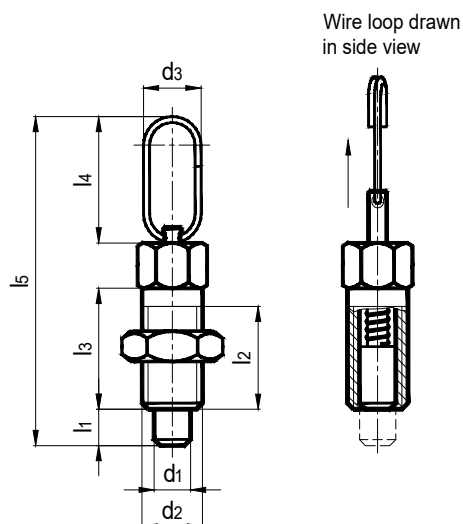
Stainless steel AISI 301



Notes:

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order. Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.

Drawing



*Complete with material index:

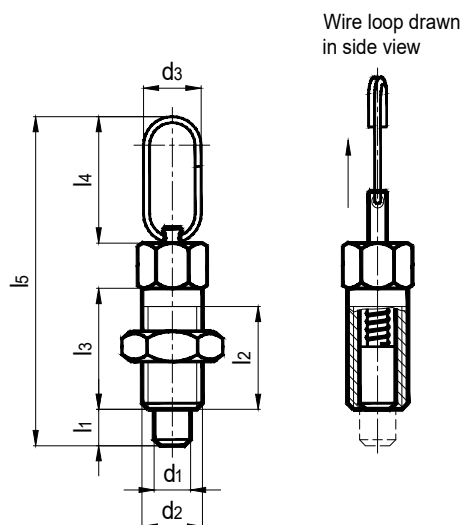
SZ

SS

Item no.	d1	d2	d3	l1	l2	l3	l4	l5
TBG221-M6-32-*	3	M6	6	3.5	10	12	12.9	32.7
TBG221-M6x0.75-32-*	3	M6x0.75	6	3.5	10	12	12.9	32.7
TBG221-M6-33-*	4	M6	6	4	10	12	12.9	33.2
TBG221-M8x1-42-*	4	M8x1	6	4.5	13.5	16	15.5	42.5
TBG221-M8-42-*	5	M8	7.2	5	13.5	16	15.5	42.5
TBG221-M8x1-42-*	5	M8x1	7.2	5	13.5	16	15.5	42.5
TBG221-M10x1-42-*	5	M10x1	7.2	5	13.5	16	15.5	42.5
TBG221-M10-54-*	6	M10	9.5	6	17	20	20.9	54.4
TBG221-M12x1.5-54-*	6	M12x1.5	9.5	6	16.5	20	20.9	54.4
TBG221-M12-67-*	8	M12	11.8	8	20.5	24	25.9	67.2
TBG221-M12x1.5-67-*	8	M12x1.5	11.8	8	20.5	24	25.9	67.2



Drawing



***Complete with material index:**

SZ

SS

[illegible]

Type ST:

Blackened steel

Type SS:

Stainless steel AISI 303

Plastic cover:

Polyamide (PA6), black, matt finish, not removable

Notes:

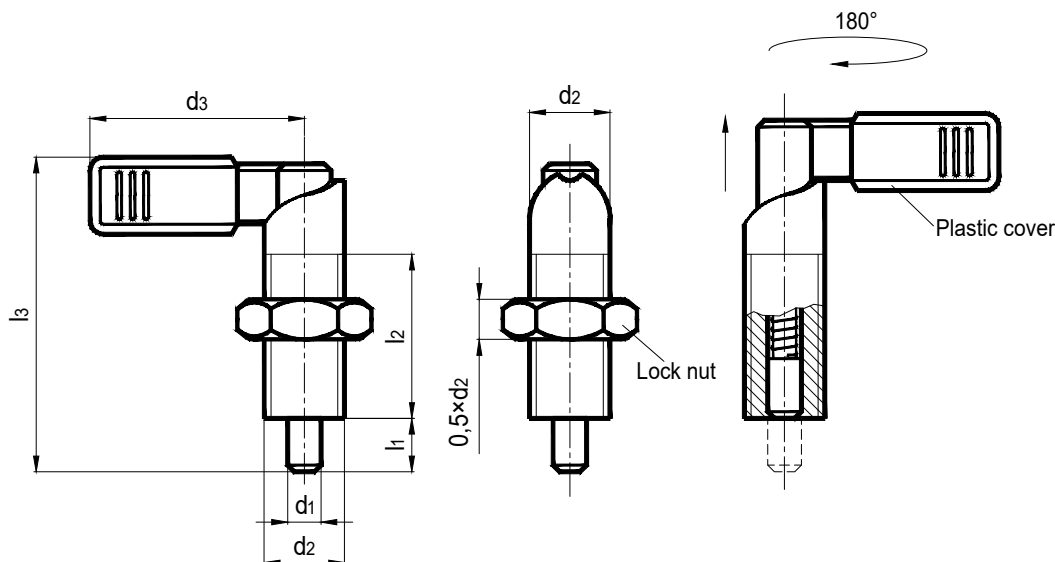
The appearance of indexing plungers TBG222 is similar to indexing plungers TBG223, but differs in the specific sizes. Please compare carefully or contact the customer service before placing the order.

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.



Drawing



*Complete with material index:

ST

SS

Item no.	d1	d2	d3	l1	l2	l3
TBG222-6-M16x1.5-*	6	M16x1.5	42	10	30	46
TBG222-8-M16x1.5-*	8	M16x1.5	42	10	30	46
TBG222-8-M20x1.5-*	8	M20x1.5	52	12	36	57
TBG222-10-M16x1.5-*	10	M16x1.5	42	10	30	46
TBG222-10-M20x1.5-*	10	M20x1.5	52	12	36	57
TBG222-12-M20x1.5-*	12	M20x1.5	52	12	36	57

TBG223

Cam action indexing plungers

Type ST:

Blackened steel

Type SS:

Stainless steel AISI 303

Plastic cover:

Polyamide (PA6), black, matt finish, not removable

Notes:

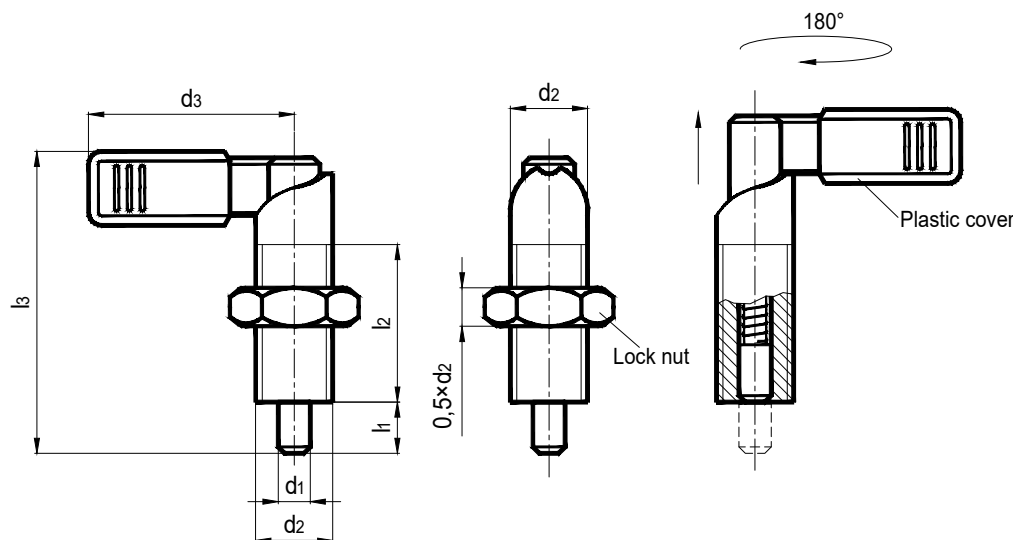
The appearance of indexing plungers TBG223 is similar to indexing plungers TBG222, but differs in the specific sizes. Please compare carefully or contact the customer service before placing the order.

Locking nuts are not included in the delivery by default. If needed, kindly mention it while placing the order.

Pay attention to the pitch size when placing an order, please contact customer service if the pitch size you need is different from our standard products.



Drawing



*Complete with material index:

ST

SS

Item no.	d1	d2	d3	l1	l2+1.5	l3
TBG223-4-M10x1-*	4	M10x1	21	6	19	37.5
TBG223-5-M10x1-*	5	M10x1	21	6	19	37.5
TBG223-5-M12x1.5-*	5	M12x1.5	26	8	26	47
TBG223-6-M10x1-*	6	M10x1	21	6	19	37.5
TBG223-6-M12x1.5-*	6	M12x1.5	26	8	26	47
TBG223-6-M16x1.5-*	6	M16x1.5	32	10	30	56
TBG223-8-M16x1.5-*	8	M16x1.5	32	10	30	56
TBG223-8-M20x1.5-*	8	M20x1.5	37	12	37	69
TBG223-8-M20-*	8	M20	37	12	37	69



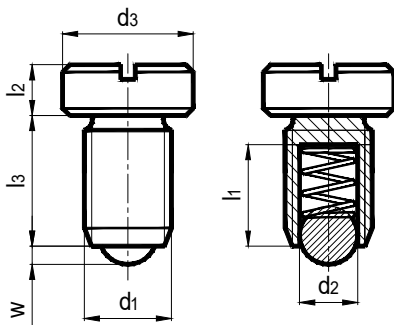
Spring plungers with ball, slot

Blackened steel, ball hardened

Stainless steel AISI 303, ball hardened



Spring plungers TBG224 are used as stops as well as for push-on and push-off applications and ejectors.

[illegible]

TBG225

Spring plungers

Type ST:

Blackened steel, ball hardened

Type SS:

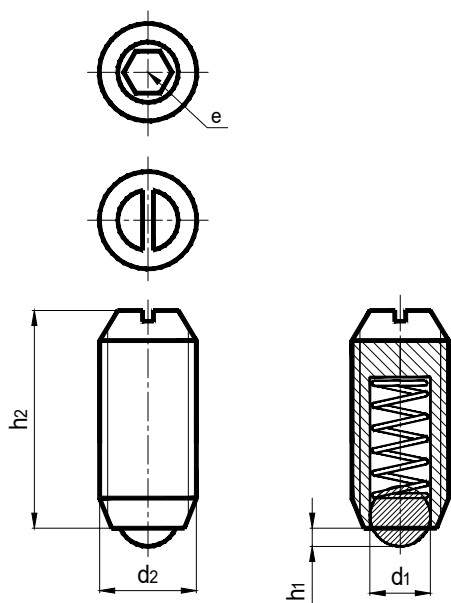
Stainless steel AISI 303, ball hardened

Notes:

Spring plungers TBG225 listed in this table are all in standard spring loads. If you need high spring loads, please contact customer service for customization.



Drawing



*Complete with material index:

ST

SS

Item no.	d1	d2	h1	h2	e	Groove type
TBG225-M4-HE-*	2.5	M4	0.8	10	2	Internal hexagon
TBG225-M5-HE-*	3	M5	0.9	14	2.5	Internal hexagon
TBG225-M6-HE-*	3.5	M6	1	15	3	Internal hexagon
TBG225-M8-HE-*	5	M8	1.5	18	4	Internal hexagon
TBG225-M4-SL-*	2.5	M4	0.8	10	-	Slot
TBG225-M5-SL-*	3	M5	0.9	14	-	Slot
TBG225-M6-SL-*	3.5	M6	1	15	-	Slot
TBG225-M8-SL-*	5	M8	1.5	18	-	Slot



TBG226

Nuts

Type SZ:

Steel, zinc plated

Type ST:

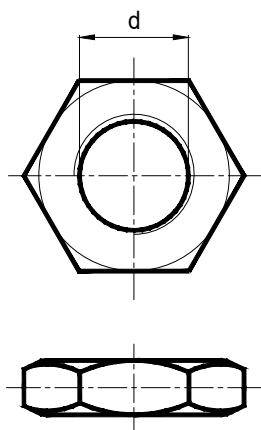
Steel, blackened

Type SS:

Stainless steel AISI 303



Drawing



*Complete with material index:

SZ

ST

SS

Item no.	d
TBG226-M6-*	M6
TBG226-M6x0.75-*	M6x0.75
TBG226-M8-*	M8
TBG226-M8x1.0-*	M8x1.0
TBG226-M10-*	M10
TBG226-M10x1.0-*	M10x1.0
TBG226-M12-*	M12
TBG226-M12x1.5-*	M12x1.5
TBG226-M16x1.5-*	M16x1.5
TBG226-M18x1.5-*	M18x1.5
TBG226-M20x1.5--*	M20x1.5



TBG227

Ball locking pins

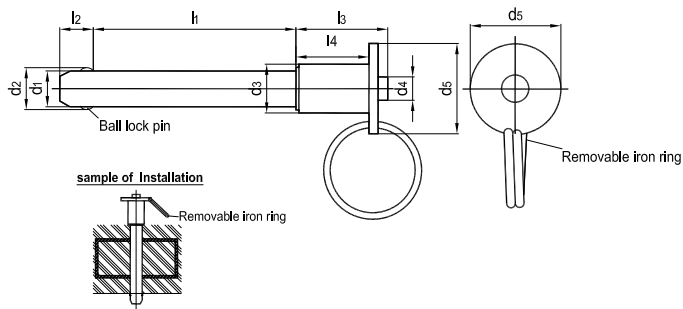
Type SZ:

Sleeve: steel, zinc plated
Knob: black aluminium

Type SS:

Sleeve: stainless steel 304
Knob: stainless steel 304

Drawing



*Complete with material index:

SZ

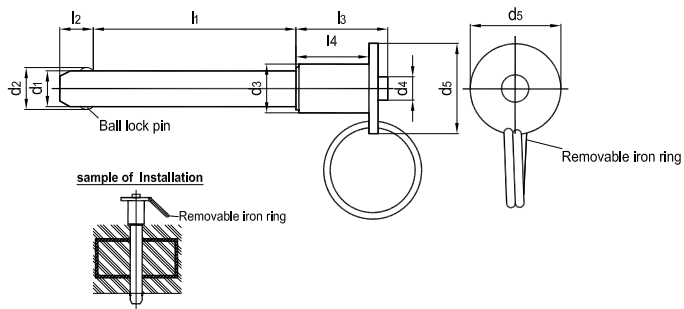
SS

Item no.	d1-0.04/-0.08	l1+0.5	d2	l2±1	l3	d3	l4	d4	d5
TBG227-5-10-*	5	10	5.5	6	23.4	11.9	16	5.8	20.6
TBG227-5-15-*	5	15	5.5	6	23.4	11.9	16	5.8	20.6
TBG227-5-20-*	5	20	5.5	6	23.4	11.9	16	5.8	20.6
TBG227-5-25-*	5	25	5.5	6	23.4	11.9	16	5.8	20.6
TBG227-5-30-*	5	30	5.5	6	23.4	11.9	16	5.8	20.6
TBG227-6-20-*	6	20	7	7	23.4	11.9	16	5.8	20.6
TBG227-6-30-*	6	30	7	7	23.4	11.9	16	5.8	20.6
TBG227-6-40-*	6	40	7	7	23.4	11.9	16	5.8	20.6
TBG227-6-50-*	6	50	7	7	23.4	11.9	16	5.8	20.6
TBG227-8-20-*	8	20	9.4	8	23.4	11.9	16	5.8	20.6
TBG227-8-30-*	8	30	9.4	8	23.4	11.9	16	5.8	20.6
TBG227-8-40-*	8	40	9.4	8	23.4	11.9	16	5.8	20.6
TBG227-8-50-*	8	50	9.4	8	23.4	11.9	16	5.8	20.6
TBG227-10-20-*	10	20	11.9	9	25.7	14.2	17.8	7.4	25.4
TBG227-10-30-*	10	30	11.9	9	25.7	14.2	17.8	7.4	25.4
TBG227-10-40-*	10	40	11.9	9	25.7	14.2	17.8	7.4	25.4
TBG227-10-50-*	10	50	11.9	9	25.7	14.2	17.8	7.4	25.4
TBG227-10-60-*	10	60	11.9	9	25.7	14.2	17.8	7.4	25.4
TBG227-12-20-*	12	20	14.5	10	32.3	18.3	21.6	10.7	34.7
TBG227-12-30-*	12	30	14.5	10	32.3	18.3	21.6	10.7	34.7
TBG227-12-40-*	12	40	14.5	10	32.3	18.3	21.6	10.7	34.7
TBG227-12-50-*	12	50	14.5	10	32.3	18.3	21.6	10.7	34.7
TBG227-12-60-*	12	60	14.5	10	32.3	18.3	21.6	10.7	34.7
TBG227-12-70-*	12	70	14.5	10	32.3	18.3	21.6	10.7	34.7



Ball locking pins

Drawing



***Complete with material index:**

SS

[illegible]

TBG228

Ball locking pins

Balls:

SUS440C, 55HRC hardness

Sleeve:

Stainless steel AISI 304

Knob:

Stainless steel AISI 304

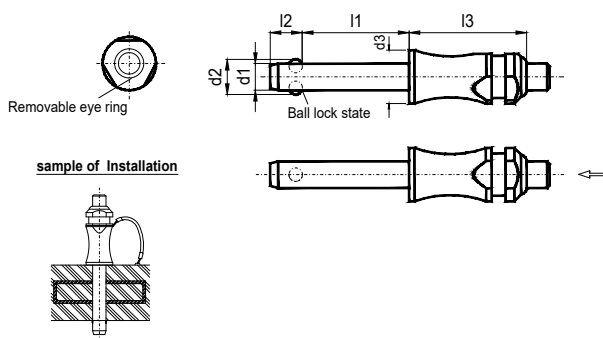


Notes:

Ball locking pins TBG228 are used for quick fixing, connecting and locking of various parts and workpieces. It is especially suitable for occasions which need repeated disassembly or installation.

The default product is not equipped with the eye ring, please purchase separately if needed..

Drawing

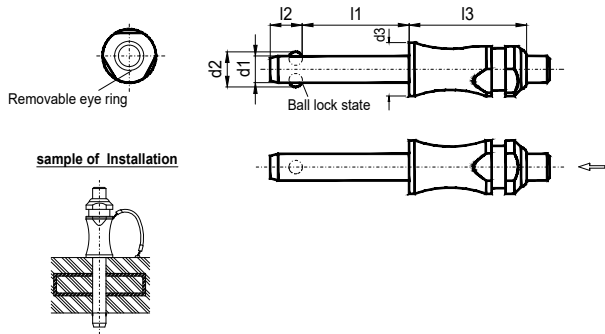


Item no.	d1	l1	d2	d3	l2	l3+0.2	Location bore H11
TBG228-5-10	5	10	5.5	10	6	22	5
TBG228-5-15	5	15	5.5	10	6	22	5
TBG228-5-20	5	20	5.5	10	6	22	5
TBG228-5-25	5	25	5.5	10	6	22	5
TBG228-5-30	5	30	5.5	10	6	22	5
TBG228-6-20	6	20	7	10	7	22	6
TBG228-6-30	6	30	7	10	7	22	6
TBG228-6-40	6	40	7	10	7	22	6
TBG228-6-50	6	50	7	10	7	22	6
TBG228-8-20	8	20	9.5	14	8.2	27	8
TBG228-8-30	8	30	9.5	14	8.2	27	8
TBG228-8-40	8	40	9.5	14	8.2	27	8
TBG228-8-50	8	50	9.5	14	8.2	27	8
TBG228-10-20	10	20	12	14	9.6	27	10
TBG228-10-30	10	30	12	14	9.6	27	10
TBG228-10-40	10	40	12	14	9.6	27	10
TBG228-10-50	10	50	12	14	9.6	27	10
TBG228-10-60	10	60	12	14	9.6	27	10
TBG228-12-20	12	20	14.5	20	10.6	32	12



Ball locking pins

Drawing

[illegible]

TBG229

Ball locking pins

Type SZ:

Balls:
SUS440C, 55HRC hardness
Sleeve:
Steel, zinc plated
Ring:
Stainless steel AISI 304

Type SS:

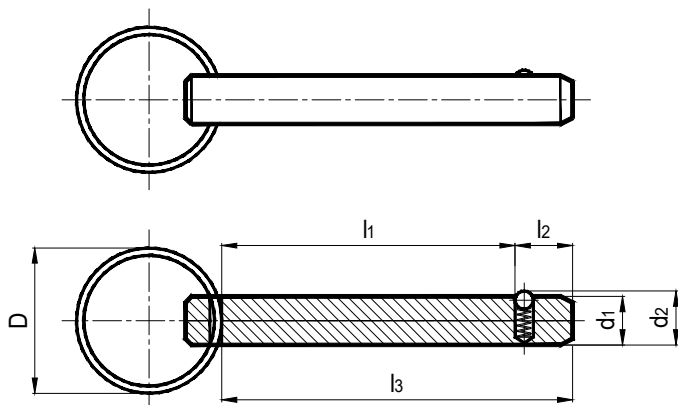
Balls:
SUS440C, 55HRC hardness
Sleeve:
Stainless steel AISI 304
Ring:
Stainless steel AISI 304



Notes:

Ball locking pins TBG229 are used for quick fixing, connecting and locking of various parts and workpieces. It's especially suitable for occasions which need repeated disassembly or installation.

Drawing



*Complete with material index:

SZ SS

Item no.	l1	d1	D	d2	l2	l3
TBG229-15-6-*	15	6	23	6.5	7	22
TBG229-20-6-*	20	6	23	6.5	7	27
TBG229-30-6-*	30	6	23	6.5	7	37
TBG229-40-6-*	40	6	23	6.5	7	47
TBG229-30-8-*	30	8	28	8.8	8	38
TBG229-40-8-*	40	8	28	8.8	8	48
TBG229-50-8-*	50	8	28	8.8	8	58



T-handle retractable plungers

Plunger and pin:

Knob:

Notes:

TBG230 without thread are for applications where welding, resin bonding or clamping is favoured.



Technical drawing of a mechanical part, likely a piston or a similar component. The drawing shows a cross-section with dimensions labeled: L (length of the main body), D (diameter of the main body), b (diameter of the smaller section), and T (thickness of the main body).

[illegible]

TBG310-DIN6320

OPERATION ELEMENTS



Tübingen Metal



U-Bridge handles

With threaded blind bore

Material:

Aluminium

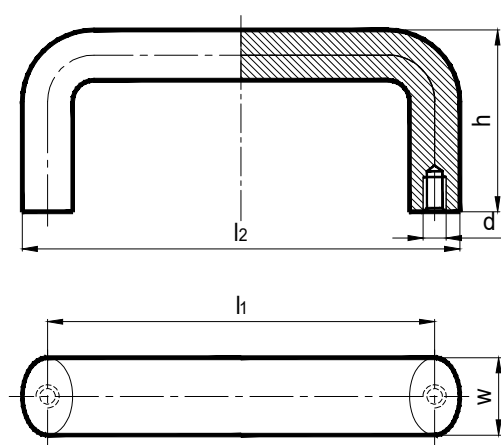
Coating:

Plastic coated

Color:

Black (standard color), red, white, customized color

Drawing

[illegible]

U-Bridge handles



Technical drawing of a U-shaped component. The top view shows a U-shape with a central horizontal section of length l_2 and a vertical section of height h . The total height of the vertical section is H . The thickness of the vertical section is d . The bottom view shows a rectangular cross-section with length h and width w . The component has a central hole with a diameter of $\varnothing 10$ and a central slot with a width of 10 .

[illegible]

TBG312

U-Bridge handles

With threaded blind bore

Material:

Aluminium

Coating:

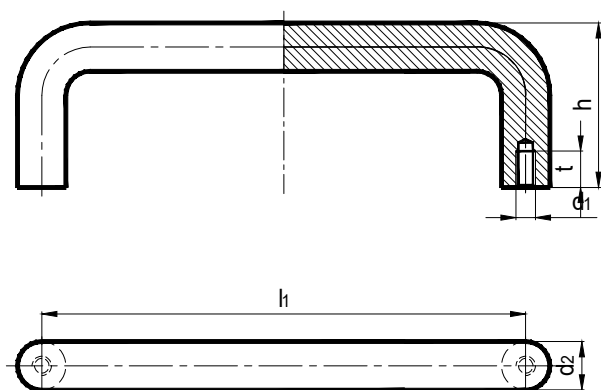
Plastic coated

Color:

Black (standard color), red, white, customized color



Drawing



Item no.	d1	d2	t	h	l1
TBG312-M8-200	M8	20	15	68	200
TBG312-M8-250	M8	20	15	68	250
TBG312-M8-300	M8	20	15	68	300
TBG312-M10-250	M10	28	15	78	250
TBG312-M10-300	M10	28	15	78	300
TBG312-M10-350	M10	28	15	78	350



TBG313

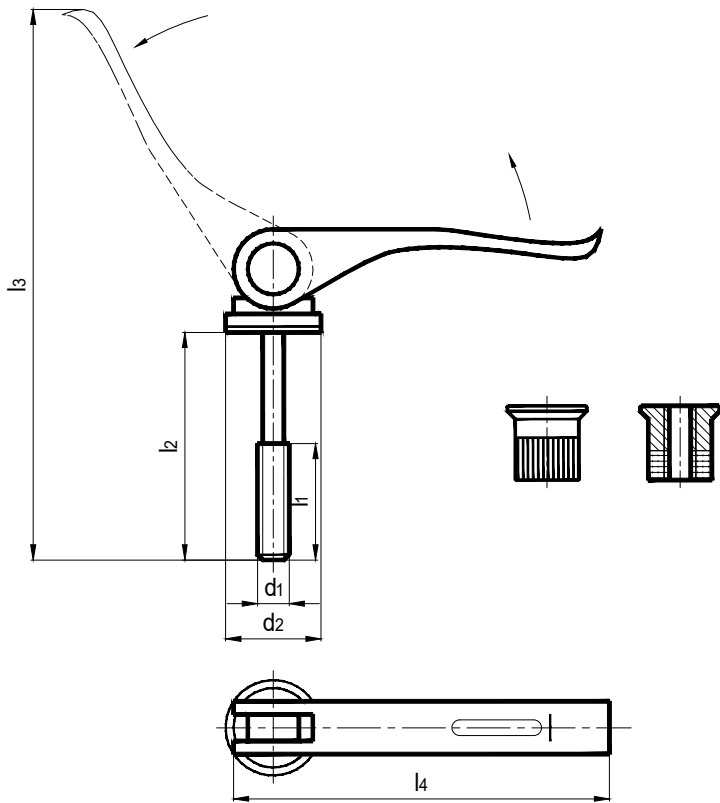
Quick clamping lever

Material:
Aluminium

Stud bolt material:
Steel, zinc plated

Color:
Silver (standard color), black, red, blue, white, yellow, customized color

Drawing



Item no.	d1	d2	l1	l2	l3	l4
TBG313-M6-71	M6	18	22	43	104	71



TBG314

Quick clamping lever with seat post

With collar

Material:

Aluminium alloy

Stud bolt material:

Steel, zinc plated

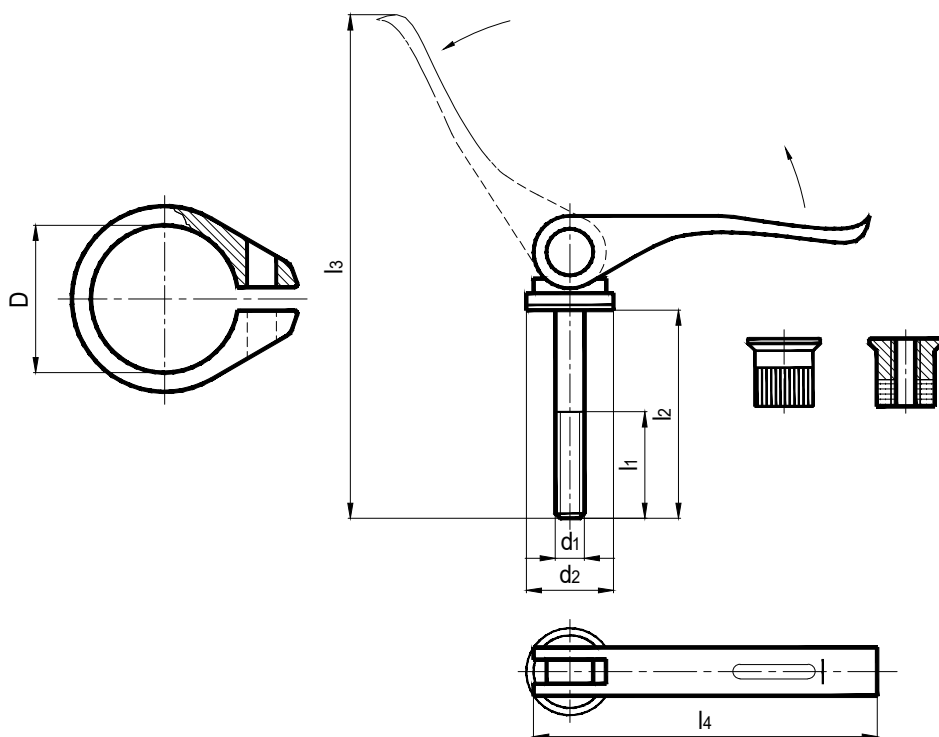
Collar:

Aluminium alloy

Color:

Silver (standard color), black, red, blue, white, yellow, customized color

Drawing



Item no.	d1	d2	l1	l2	l3	l4	D
TBG314-M6-71-25.4	M6	18	22	43	104	71	25.4
TBG314-M6-71-28.6	M6	18	22	43	104	71	28.6
TBG314-M6-71-31.8	M6	18	22	43	104	71	31.8
TBG314-M6-71-34.9	M6	18	22	43	104	71	34.9



TBG315

Clamping lever

Handle:

Zinc alloy

Thread stud:

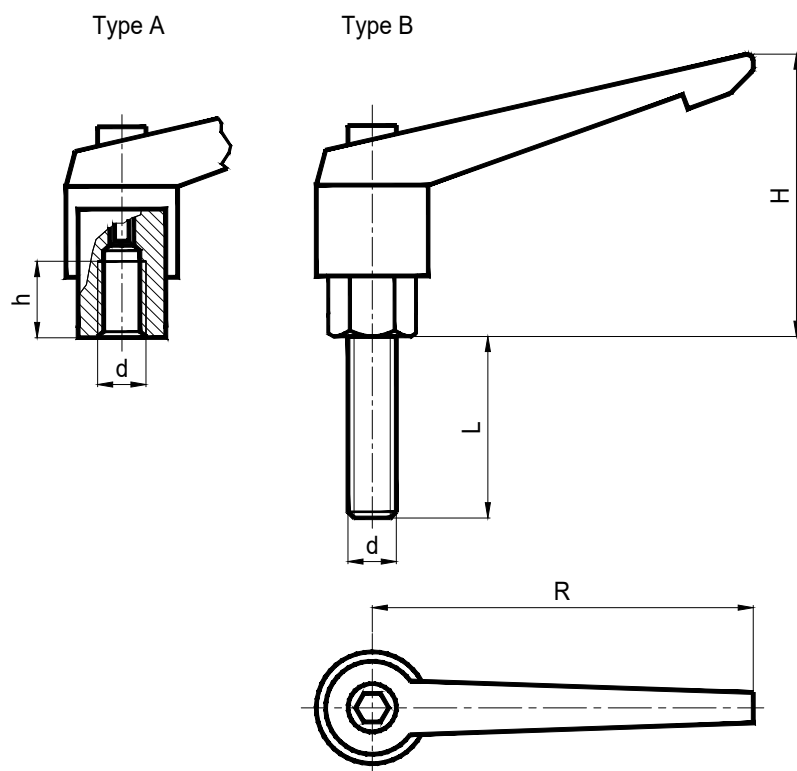
Black-oxide steel

Color:

Black (standard color), orange, customized color



Drawing



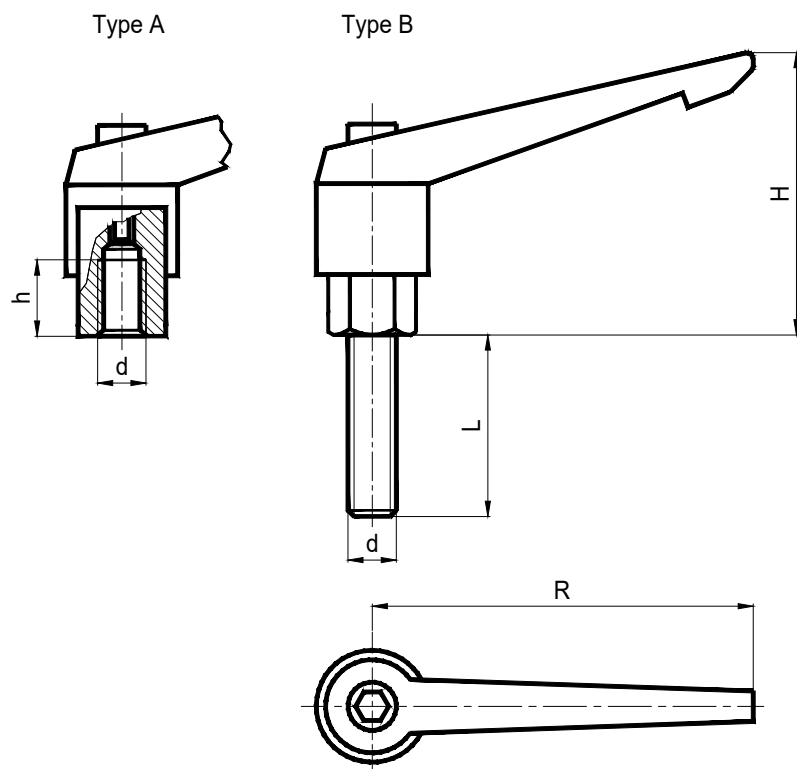
Item no.	d	R	h	L	H
TBG315-M6-50-A	M6	50	10	-	-
TBG315-M6-50-15-B	M6	50	-	15	33
TBG315-M6-50-20-B	M6	50	-	20	33
TBG315-M6-50-25-B	M6	50	-	25	33
TBG315-M6-50-30-B	M6	50	-	30	33
TBG315-M6-50-35-B	M6	50	-	35	33
TBG315-M8-63-A	M8	63	12	-	-
TBG315-M8-63-15-B	M8	63	-	20	44
TBG315-M8-63-20-B	M8	63	-	25	44
TBG315-M8-63-25-B	M8	63	-	30	44
TBG315-M8-63-30-B	M8	63	-	35	44
TBG315-M8-63-35-B	M8	63	-	40	44



TBG315

Clamping lever

Drawing



Item no.	d	R	h	L	H
TBG315-M10-80-A	M10	80	17	-	-
TBG315-M10-80-20-B	M10	80	-	20	55
TBG315-M10-80-25-B	M10	80	-	25	55
TBG315-M10-80-30-B	M10	80	-	30	55
TBG315-M10-80-35-B	M10	80	-	35	55
TBG315-M10-80-40-B	M10	80	-	40	55
TBG315-M12-95-A	M12	95	17	-	-
TBG315-M12-95-25-B	M12	95	-	25	55
TBG315-M12-95-30-B	M12	95	-	30	55
TBG315-M12-95-35-B	M12	95	-	35	55
TBG315-M12-95-40-B	M12	95	-	40	55
TBG315-M12-95-45-B	M12	95	-	45	55
TBG315-M16-114-A	M16	114	20	-	-
TBG315-M16-114-30-B	M16	114	-	30	66
TBG315-M16-114-40-B	M16	114	-	40	66
TBG315-M16-114-45-B	M16	114	-	45	66
TBG315-M16-114-50-B	M16	114	-	50	66
TBG315-M16-114-60-B	M16	114	-	60	66



DIN6304

Tommy screws

With fixed bar, without thrust pad

Material:

Steel, blackened, thrust point hardened

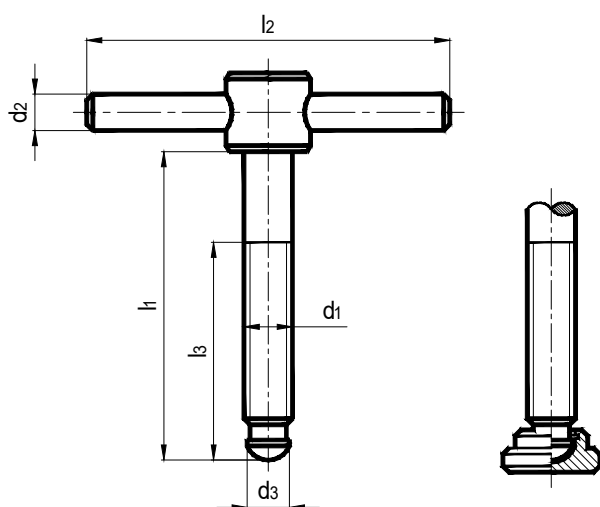
Notes:

The thrust point of the screws DIN6304 is designed to be used with or without a thrust pad for clamping. The snap ring is a simple and quick method to connect the thrust pad to the tommy screw.

The thrust pad is not included in the delivery by default.



Drawing



Item no.	d1	l1	d2	d3	l2	l3
DIN6304-M6-40	M6	40	5	4.5	50	30
DIN6304-M6-50	M6	50	5	4.5	50	40
DIN6304-M8-50	M8	50	6	6	60	35
DIN6304-M8-60	M8	60	6	6	60	45
DIN6304-M10-60	M10	60	8	8	80	40
DIN6304-M10-70	M10	70	8	8	80	50
DIN6304-M12-70	M12	70	10	8	100	50
DIN6304-M12-80	M12	80	10	8	100	60
DIN6304-M16-75	M16	75	12	12	120	55
DIN6304-M16-90	M16	90	12	12	120	70
DIN6304-M16-110	M16	110	12	12	120	90
DIN6304-M20-75	M20	75	16	16	140	55
DIN6304-M20-90	M20	90	16	16	140	70
DIN6304-M20-110	M20	110	16	16	140	90



Type A:

Bakelite, with inner metal nut

Type B:

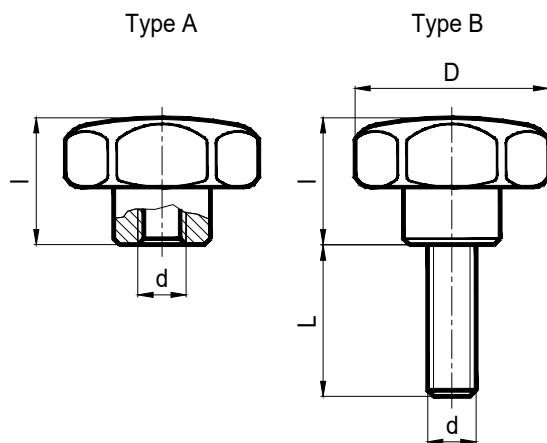
Bakelite, steel zinc plated bolt

Color:

Black, matt (standard color), red, customized color

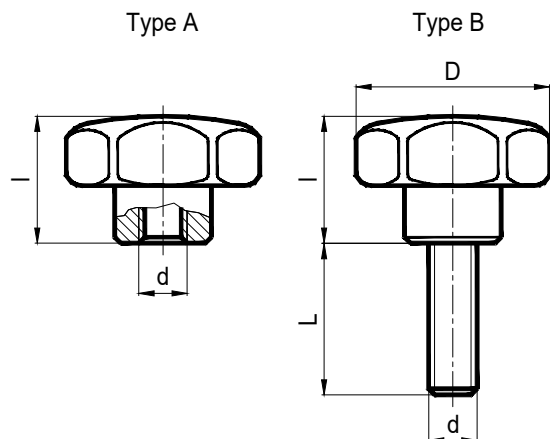


Drawing



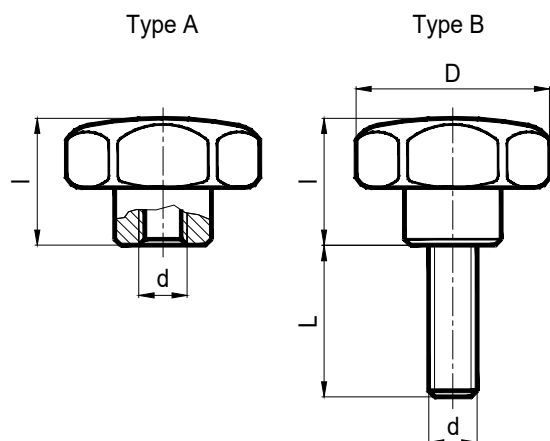
Item no.	d	D	I	L
TBG320-M6-32-A	M6	32	23	-
TBG320-M6-32-10-B	M6	32	23	10
TBG320-M6-32-20-B	M6	32	23	20
TBG320-M6-32-25-B	M6	32	23	25
TBG320-M6-32-30-B	M6	32	23	30
TBG320-M8-32-A	M8	32	23	-
TBG320-M8-32-10-B	M8	32	23	10
TBG320-M8-32-20-B	M8	32	23	20
TBG320-M8-32-25-B	M8	32	23	25
TBG320-M8-32-30-B	M8	32	23	30
TBG320-M8-40-A	M8	40	28	-
TBG320-M8-40-20-B	M8	40	28	20
TBG320-M8-40-25-B	M8	40	28	25
TBG320-M8-40-30-B	M8	40	28	30
TBG320-M8-40-35-B	M8	40	28	35
TBG320-M8-40-40-B	M8	40	28	40
TBG320-M10-40-A	M10	40	28	-
TBG320-M10-40-20-B	M10	40	28	20
TBG320-M10-40-25-B	M10	40	28	25
TBG320-M10-40-30-B	M10	40	28	30

Drawing



Item no.	d	D	I	L
TBG320-M10-40-35-B	M10	40	28	35
TBG320-M10-40-40-B	M10	40	28	40
TBG320-M10-50-A	M10	50	33	-
TBG320-M10-50-25-B	M10	50	33	25
TBG320-M10-50-30-B	M10	50	33	30
TBG320-M10-50-35-B	M10	50	33	35
TBG320-M10-50-40-B	M10	50	33	40
TBG320-M10-50-45-B	M10	50	33	45
TBG320-M10-50-50-B	M10	50	33	50
TBG320-M12-50-A	M12	50	33	-
TBG320-M12-50-25-B	M12	50	33	25
TBG320-M12-50-30-B	M12	50	33	30
TBG320-M12-50-35-B	M12	50	33	35
TBG320-M12-50-40-B	M12	50	33	40
TBG320-M12-50-45-B	M12	50	33	45
TBG320-M12-50-50-B	M12	50	33	50
TBG320-M10-63-A	M10	63	38	-
TBG320-M10-63-25-B	M10	63	38	25
TBG320-M10-63-30-B	M10	63	38	30
TBG320-M10-63-35-B	M10	63	38	35
TBG320-M10-63-40-B	M10	63	38	40
TBG320-M10-63-45-B	M10	63	38	45
TBG320-M10-63-63-B	M10	63	38	50
TBG320-M12-63-A	M12	63	38	-
TBG320-M12-63-25-B	M12	63	38	25
TBG320-M12-63-30-B	M12	63	38	30
TBG320-M12-63-35-B	M12	63	38	35
TBG320-M12-63-40-B	M12	63	38	40
TBG320-M12-63-45-B	M12	63	38	45
TBG320-M12-63-50-B	M12	63	38	50

Drawing

[illegible]

DIN6336

Hand knobs

Aluminium

Form A:

Without bore

Form B:

With plain blind bore

Form C:

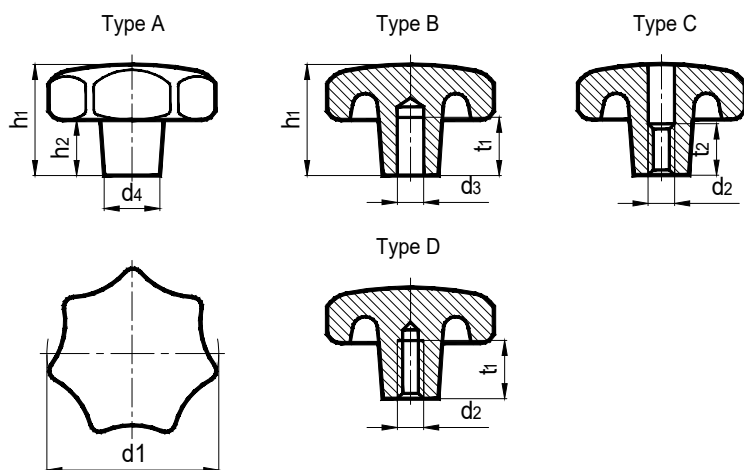
With threaded through bore

Form D:

With threaded blind bore



Drawing



Item no.	d1	d2	d3	d4	h1	h2≥	t1	t2
DIN6336-AL-63-A	63	-	-	20	42	19	-	-
DIN6336-AL-80-A	80	-	-	25	52	23	-	-
DIN6336-AL-63-B	63	-	10	20	40	19	22	-
DIN6336-AL-80-B	80	-	12	25	50	23	28	-
DIN6336-AL-63-M10-C	63	M10	-	20	40	19	-	20
DIN6336-AL-80-M12-C	80	M12	-	25	50	23	-	30
DIN6336-AL-63-M10-D	63	M10	-	20	40	19	22	-
DIN6336-AL-80-M12-D	80	M12	-	25	50	23	28	-



Material:

Stainless steel precision AISI 316, wheel rim turned and polished

Type B:

Without keyway

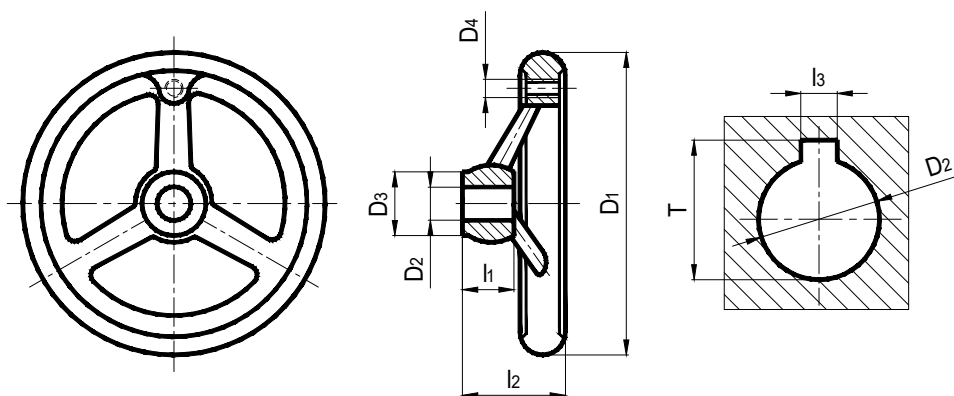
Type K:

With keyway

Notes:

The default product is not equipped with the handle, please purchase separately if needed.

Drawing



Item no.	D1	D2	D3	D4	l1	l2	l3	T
DIN950-100-10-B	100	10	26	M6	17	33	-	-
DIN950-125-12-B	125	12	28	M8	18	36	-	-
DIN950-160-16-B	160	16	32	M10	20	40	-	-
DIN950-200-18-B	200	18	38	M10	24	45	-	-
DIN950-100-10-K	100	10	26	M6	17	33	3	11.4
DIN950-125-12-K	125	12	28	M8	18	36	4	13.8
DIN950-160-16-K	160	16	32	M10	20	40	5	18.3
DIN950-200-18-K	200	18	38	M10	24	45	6	20.8

DIN444

Swing bolts

Type B

Type ST:

Steel, blackened

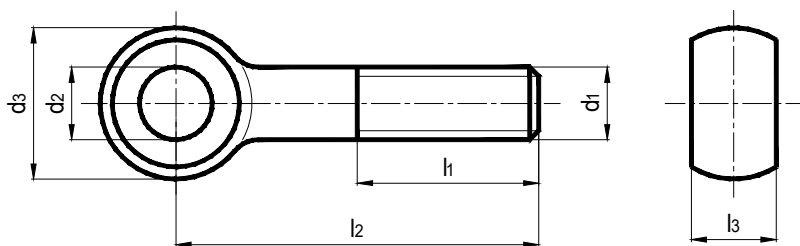
Type SS:

Stainless steel AISI 304

Notes:

Precision type swing bolts DIN 444 are mainly used for jigs and fixtures.

Drawing



*Complete with material index:

ST

SS

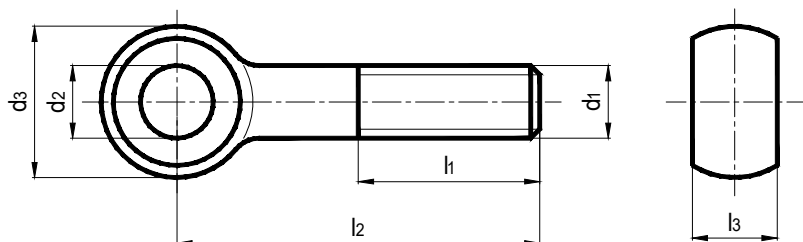
Item no.	d1	d2	d3	l1	l2	l3
DIN444-M5-25-*	M5	5	12	16	25	6
DIN444-M5-30-*	M5	5	12	16	30	6
DIN444-M5-35-*	M5	5	12	16	35	6
DIN444-M5-40-*	M5	5	12	16	40	6
DIN444-M6-30-*	M6	6	14	18	30	7
DIN444-M6-40-*	M6	6	14	18	40	7
DIN444-M6-50-*	M6	6	14	18	50	7
DIN444-M6-60-*	M6	6	14	18	60	7
DIN444-M6-80-*	M6	6	14	18	80	7
DIN444-M8-40-*	M8	8	18	22	40	9
DIN444-M8-50-*	M8	8	18	22	50	9
DIN444-M8-60-*	M8	8	18	22	60	9
DIN444-M8-80-*	M8	8	18	22	80	9
DIN444-M8-100-*	M8	8	18	22	100	9
DIN444-M10-50-*	M10	10	20	26	50	12
DIN444-M10-60-*	M10	10	20	26	60	12
DIN444-M10-75-*	M10	10	20	26	75	12
DIN444-M10-100-*	M10	10	20	26	100	12
DIN444-M10-120-*	M10	10	20	26	120	12
DIN444-M12-50-*	M12	12	25	30	50	14



DIN444

Swing bolts

Drawing



***Complete with material index:**

ST

SS

Item no.	d1	d2	d3	l1	l2	l3
DIN444-M12-60-*	M12	12	25	30	60	14
DIN444-M12-80-*	M12	12	25	30	80	14
DIN444-M12-100-*	M12	12	25	30	100	14
DIN444-M12-120-*	M12	12	25	30	120	14
DIN444-M16-60-*	M16	16	32	38	60	17
DIN444-M16-80-*	M16	16	32	38	80	17
DIN444-M16-100-*	M16	16	32	38	100	17
DIN444-M16-120-*	M16	16	32	38	120	17
DIN444-M16-150-*	M16	16	32	38	150	17
DIN444-M20-100-*	M20	18	40	46	100	22
DIN444-M20-120-*	M20	18	40	46	120	22
DIN444-M20-160-*	M20	18	40	52	160	22
DIN444-M20-200-*	M20	18	40	52	200	22
DIN444-M24-100-*	M24	22	45	54	100	25
DIN444-M24-120-*	M24	22	45	54	120	25
DIN444-M24-160-*	M24	22	45	60	160	25
DIN444-M24-200-*	M24	22	45	60	200	25



Feet

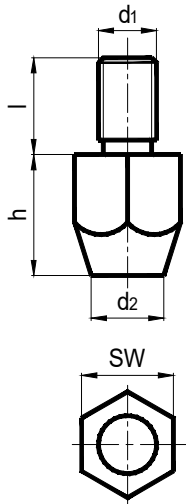
Material:

Steel, blackened, not hardened

Notes:

Feet DIN 6320 are normally used without brackets.

Drawing

[illegible]

TBG410-DIN6332

LEVELING FEET



Tübingen Metal



TBG410

Foot bases for adjustable leveling feet

With rubber non-slip pad

Material:

Reinforced polyamide (PA6), without fixing holes

Color:

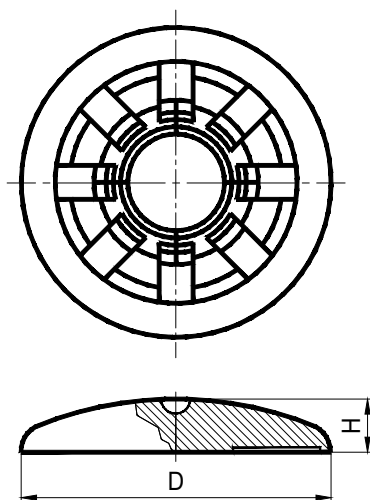
Black, matt finish

Notes:

Foot bases TBG410 are proper for thread bolts TBG412.



Drawing



Item no.	D	H
TBG410-30	30	18
TBG410-40	40	18
TBG410-45	45	18
TBG410-50	50	18
TBG410-60	60	18
TBG410-80	80	18
TBG410-100	100	18
TBG410-120	120	18



Type SZ:

Zinc plated steel spheric articulated and thread stem with regulation hexagon

Type SS:

AISI 304 stainless steel spheric articulated and thread stem with regulation hexagon

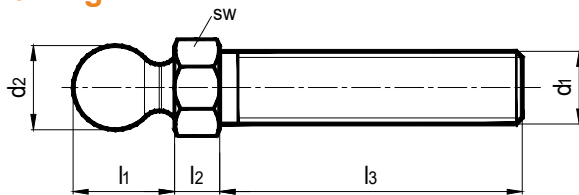


Notes:

Stems TBG412 can be matched with various bases. Please contact our customer service if you have any questions.

All type SZ products can be replaced with nickel plated steel base on customer needs.

Drawing



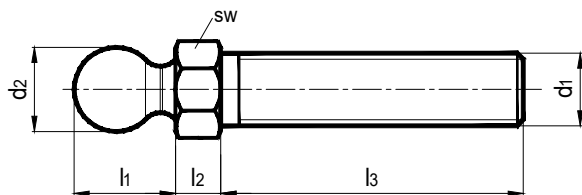
*Complete with material index:

SZ

SS

Item no.	d1	d2	l1	l2	l3	SW
TBG412-M8-25-*	M8	13.9	21.5	7.5	25	14
TBG412-M8-40-*	M8	13.9	21.5	7.5	40	14
TBG412-M8-50-*	M8	13.9	21.5	7.5	50	14
TBG412-M8-80-*	M8	13.9	21.5	7.5	80	14
TBG412-M8-100-*	M8	13.9	21.5	7.5	100	14
TBG412-M10-25-*	M10	13.9	21.5	7.5	25	14
TBG412-M10-45-*	M10	13.9	21.5	7.5	45	14
TBG412-M10-50-*	M10	13.9	21.5	7.5	50	14
TBG412-M10-70-*	M10	13.9	21.5	7.5	70	14
TBG412-M10-80-*	M10	13.9	21.5	7.5	80	14
TBG412-M10-90-*	M10	13.9	21.5	7.5	90	14
TBG412-M10-100-*	M10	13.9	21.5	7.5	100	14
TBG412-M10-125-*	M10	13.9	21.5	7.5	125	14
TBG412-M10-150-*	M10	13.9	21.5	7.5	150	14
TBG412-M12-25-*	M12	13.9	21.5	7.5	25	14
TBG412-M12-45-*	M12	13.9	21.5	7.5	45	14
TBG412-M12-50-*	M12	13.9	21.5	7.5	50	14
TBG412-M12-66-*	M12	13.9	21.5	7.5	66	14
TBG412-M12-80-*	M12	13.9	21.5	7.5	80	14
TBG412-M12-100-*	M12	13.9	21.5	7.5	100	14
TBG412-M12-125-*	M12	13.9	21.5	7.5	125	14
TBG412-M12-150-*	M12	13.9	21.5	7.5	150	14
TBG412-M16-25-*	M16	13.9	21.5	7.5	25	17
TBG412-M16-50-*	M16	13.9	21.5	7.5	50	17

Drawing



*Complete with material index:

SZ

SS

Item no.	d1	d2	l1	l2	l3	SW
TBG412-M16-66-*	M16	13.9	21.5	7.5	66	17
TBG412-M16-80-*	M16	13.9	21.5	7.5	80	17
TBG412-M16-100-*	M16	13.9	21.5	7.5	100	17
TBG412-M16-125-*	M16	13.9	21.5	7.5	125	17
TBG412-M16-150-*	M16	13.9	21.5	7.5	150	17
TBG412-M16-200-*	M16	13.9	21.5	7.5	200	17
TBG412-M20-25-*	M20	13.9	21.5	10.5	25	22
TBG412-M20-50-*	M20	13.9	21.5	10.5	50	22
TBG412-M20-85-*	M20	13.9	21.5	10.5	85	22
TBG412-M20-100-*	M20	13.9	21.5	10.5	100	22
TBG412-M20-125-*	M20	13.9	21.5	10.5	125	22
TBG412-M20-150-*	M20	13.9	21.5	10.5	150	22
TBG412-M20-200-*	M20	13.9	21.5	10.5	200	22
TBG412-M20-250-*	M20	13.9	21.5	10.5	250	22
TBG412-M24-50-*	M24	13.9	21.5	10.5	50	24
TBG412-M24-85-*	M24	13.9	21.5	10.5	85	24
TBG412-M24-100-*	M24	13.9	21.5	10.5	100	24
TBG412-M24-125-*	M24	13.9	21.5	10.5	125	24
TBG412-M24-150-*	M24	13.9	21.5	10.5	150	24
TBG412-M24-200-*	M24	13.9	21.5	10.5	200	24
TBG412-M24-250-*	M24	13.9	21.5	10.5	250	24

TBG413

Fixed leveling feet

Reinforced polyamide (PA6), steel zinc plated/stainless steel
AISI 304

Type SZ:

Zinc plated steel, with regulation hexagonal

Type SS:

Stainless steel AISI 304, with regulation hexagonal

Base:

Glass-fibre reinforced polyamide (PA6) technopolymer, black color, matte finish



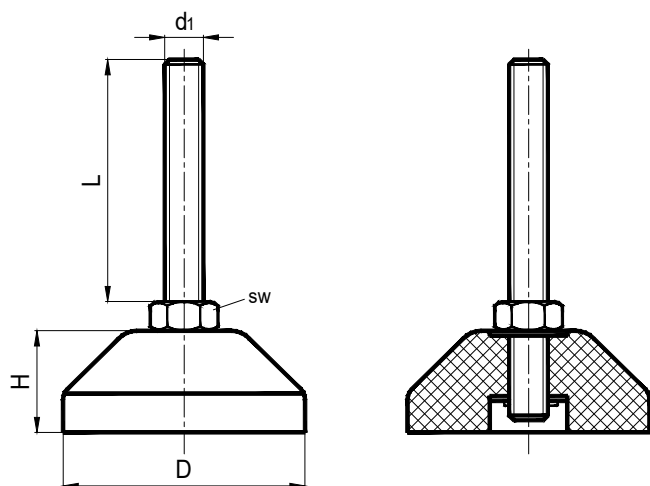
Notes:

Non-slip disk is not added to the bottom of this product.

Leveling feet TBG413 are a slightly rotatable, there is a circlip to connect thread and base.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

Drawing



*Complete with material index:

SZ

SS

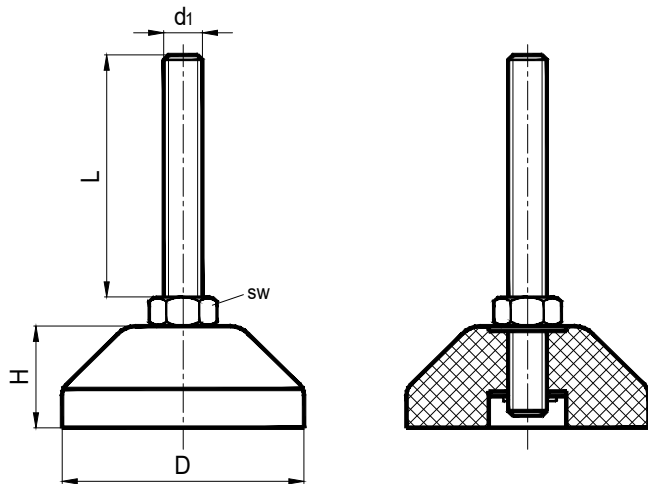
Item no.	D	H	d1	L	SW
TBG413-50-M8-40-*	50	21	M8	40	14
TBG413-50-M8-50-*	50	21	M8	50	14
TBG413-50-M8-60-*	50	21	M8	60	14
TBG413-50-M8-80-*	50	21	M8	80	14
TBG413-50-M8-100-*	50	21	M8	100	14
TBG413-50-M10-50-*	50	21	M10	50	14
TBG413-50-M10-60-*	50	21	M10	60	14
TBG413-50-M10-80-*	50	21	M10	80	14
TBG413-50-M10-100-*	50	21	M10	100	14
TBG413-50-M12-50-*	50	21	M12	50	14
TBG413-50-M12-60-*	50	21	M12	60	14



TBG413

Fixed leveling feet

Drawing



***Complete with material index:**

SZ

SS

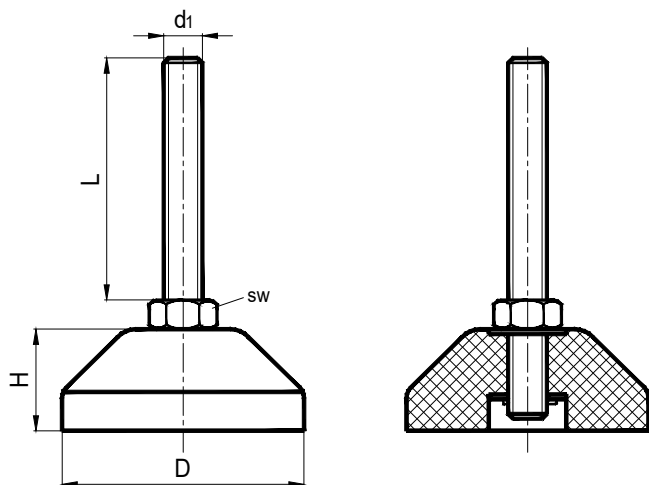
Item no.	D	H	d1	L	SW
TBG413-50-M12-80-*	50	21	M12	80	14
TBG413-50-M12-100-*	50	21	M12	100	14
TBG413-50-M12-125-*	50	21	M12	125	14
TBG413-50-M12-150-*	50	21	M12	150	14
TBG413-60-M8-40-*	60	24	M8	40	14
TBG413-60-M8-50-*	60	24	M8	50	14
TBG413-60-M8-60-*	60	24	M8	60	14
TBG413-60-M8-80-*	60	24	M8	80	14
TBG413-60-M8-100-*	60	24	M8	100	14
TBG413-50-M10-50-*	60	24	M10	50	14
TBG413-50-M10-60-*	60	24	M10	60	14
TBG413-50-M10-80-*	60	24	M10	80	14
TBG413-50-M10-100-*	60	24	M10	100	14
TBG413-50-M12-50-*	60	24	M12	50	14
TBG413-50-M12-60-*	60	24	M12	60	14
TBG413-50-M12-80-*	60	24	M12	80	14
TBG413-50-M12-100-*	60	24	M12	100	14
TBG413-50-M12-125-*	60	24	M12	125	14
TBG413-50-M12-150-*	60	24	M12	150	14
TBG413-60-M16-50-*	60	24	M16	50	17
TBG413-60-M16-60-*	60	24	M16	60	17
TBG413-60-M16-80-*	60	24	M16	80	17
TBG413-60-M16-100-*	60	24	M16	100	17
TBG413-60-M16-125-*	60	24	M16	125	17
TBG413-60-M16-150-*	60	24	M16	150	17
TBG413-80-M12-50-*	80	29	M12	50	14



TBG413

Fixed leveling feet

Drawing



***Complete with material index:**

SZ

SS

Item no.	D	H	d1	L	SW
TBG413-80-M12-60-*	80	29	M12	60	14
TBG413-80-M12-80-*	80	29	M12	80	14
TBG413-80-M12-100-*	80	29	M12	100	14
TBG413-80-M12-125-*	80	29	M12	125	14
TBG413-80-M12-150-*	80	29	M12	150	14
TBG413-80-M16-50-*	80	29	M16	50	17
TBG413-80-M16-60-*	80	29	M16	60	17
TBG413-80-M16-80-*	80	29	M16	80	17
TBG413-80-M16-100-*	80	29	M16	100	17
TBG413-80-M16-125-*	80	29	M16	125	17
TBG413-80-M16-150-*	80	29	M16	150	17
TBG413-80-M20-80-*	80	29	M20	80	22
TBG413-80-M20-100-*	80	29	M20	100	22
TBG413-80-M20-125-*	80	29	M20	125	22
TBG413-80-M20-150-*	80	29	M20	150	22
TBG413-80-M24-80-*	80	29	M24	80	24
TBG413-80-M24-100-*	80	29	M24	100	24
TBG413-80-M24-125-*	80	29	M24	125	24
TBG413-80-M24-150-*	80	29	M24	150	24
TBG413-80-M24-180-*	80	29	M24	180	24
TBG413-80-M24-200-*	80	29	M24	200	24



Female thread swivel leveling mounts

Type SN:

Type SS:

Notes:

Leveling mounts TBG414 are female threaded, which can be used with male thread equipment.

The thread stud and the base are connected by ball jointed and can be rotated.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

***Complete with material index:**

SN

SS

[illegible]

TBG415

Swivel leveling feet

Steel

Thread stem:

Steel hexagonal bar processing

Base:

Solid steel cylinder lathe processing

Notes:

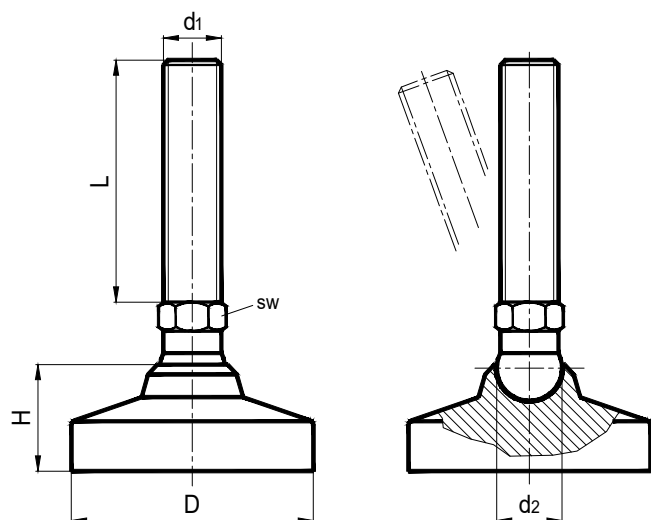
Non-slip disk is not added to the bottom of this product.

The thread stud and the base are connected by ball jointed and can be universal rotated.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.



Drawing



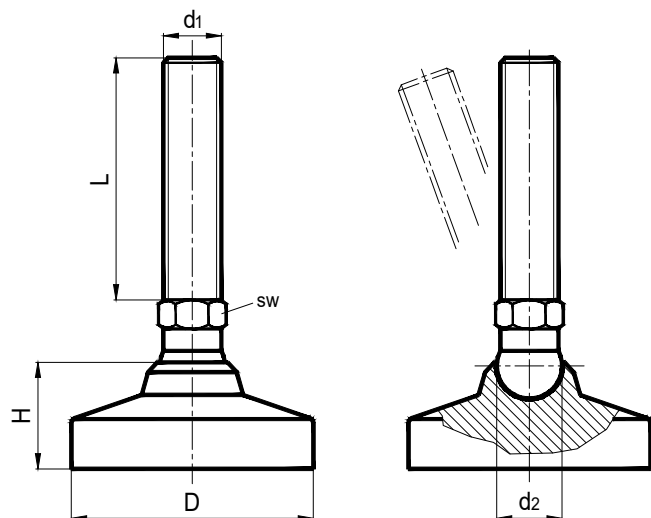
Item no.	D	H	d1	d2	L	SW
TBG415-50-M12-50	50	22	M12	13.5	50	14
TBG415-50-M12-80	50	22	M12	13.5	80	14
TBG415-50-M12-100	50	22	M12	13.5	100	14
TBG415-50-M12-125	50	22	M12	13.5	125	14
TBG415-50-M12-150	50	22	M12	13.5	150	14
TBG415-50-M14-50	50	22	M14	13.5	50	17
TBG415-50-M14-80	50	22	M14	13.5	80	17
TBG415-50-M14-100	50	22	M14	13.5	100	17
TBG415-50-M14-125	50	22	M14	13.5	125	17
TBG415-50-M14-150	50	22	M14	13.5	150	17
TBG415-50-M16-50	50	22	M16	13.5	50	17
TBG415-50-M16-80	50	22	M16	13.5	80	17



TBG415

Swivel leveling feet

Drawing



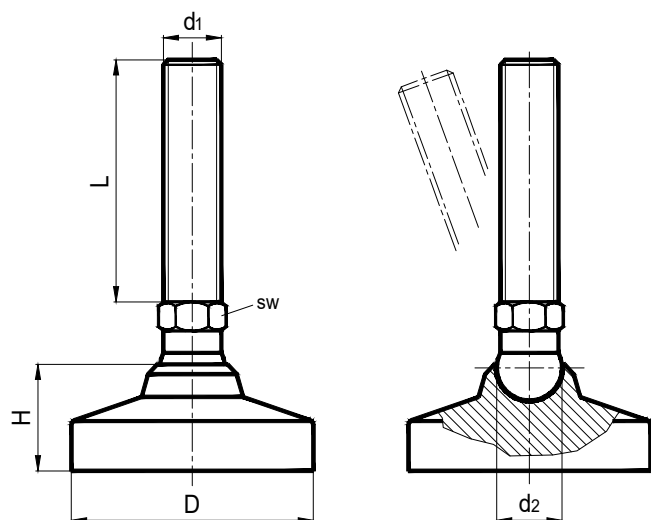
Item no.	D	H	d1	d2	L	SW
TBG415-50-M16-100	50	22	M16	13.5	100	17
TBG415-50-M16-125	50	22	M16	13.5	125	17
TBG415-50-M16-150	50	22	M16	13.5	150	17
TBG415-50-M20-50	50	22	M20	15.3	50	22
TBG415-50-M20-80	50	22	M20	15.3	80	22
TBG415-50-M20-100	50	22	M20	15.3	100	22
TBG415-50-M20-125	50	22	M20	15.3	125	22
TBG415-50-M20-150	50	22	M20	15.3	150	22
TBG415-50-M24-50	50	22	M24	15.3	50	24
TBG415-50-M24-80	50	22	M24	15.3	80	24
TBG415-50-M24-100	50	22	M24	15.3	100	24
TBG415-50-M24-125	50	22	M24	15.3	125	24
TBG415-50-M24-150	50	22	M24	15.3	150	24
TBG415-60-M12-50	60	24	M12	15.3	50	17
TBG415-60-M12-80	60	24	M12	15.3	80	17
TBG415-60-M12-100	60	24	M12	15.3	100	17
TBG415-60-M12-125	60	24	M12	15.3	125	17
TBG415-60-M12-150	60	24	M12	15.3	150	17
TBG415-60-M14-50	60	24	M14	15.3	50	17
TBG415-60-M14-80	60	24	M14	15.3	80	17
TBG415-60-M14-100	60	24	M14	15.3	100	17
TBG415-60-M14-125	60	24	M14	15.3	125	17
TBG415-60-M14-150	60	24	M14	15.3	150	17
TBG415-60-M16-50	60	24	M16	21.5	50	22
TBG415-60-M16-80	60	24	M16	21.5	80	22
TBG415-60-M16-100	60	24	M16	21.5	100	22
TBG415-60-M16-125	60	24	M16	21.5	125	22



TBG415

Swivel leveling feet

Drawing



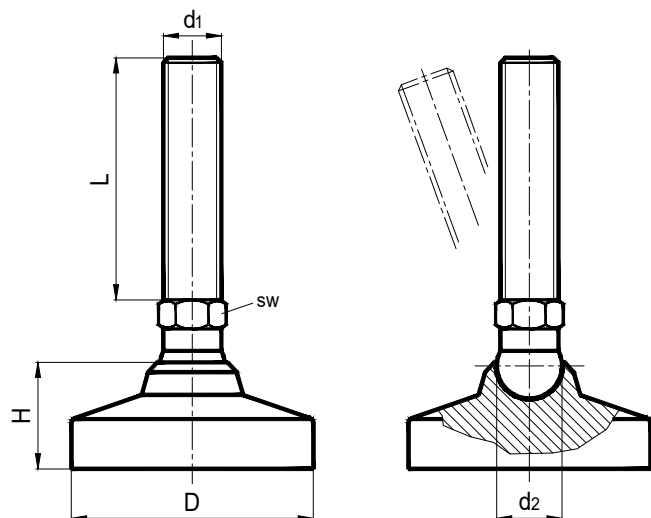
Item no.	D	H	d1	d2	L	SW
TBG415-60-M16-150	60	24	M16	21.5	150	22
TBG415-60-M20-50	60	24	M20	21.5	50	22
TBG415-60-M20-80	60	24	M20	21.5	80	22
TBG415-60-M20-100	60	24	M20	21.5	100	22
TBG415-60-M20-125	60	24	M20	21.5	125	22
TBG415-60-M20-150	60	24	M20	21.5	150	22
TBG415-60-M24-50	60	24	M24	21.5	50	24
TBG415-60-M24-80	60	24	M24	21.5	80	24
TBG415-60-M24-100	60	24	M24	21.5	100	24
TBG415-60-M24-125	60	24	M24	21.5	125	24
TBG415-60-M24-150	60	24	M24	21.5	150	24
TBG415-80-M16-50	80	26	M16	21.5	50	22
TBG415-80-M16-80	80	26	M16	21.5	80	22
TBG415-80-M16-100	80	26	M16	21.5	100	22
TBG415-80-M16-125	80	26	M16	21.5	125	22
TBG415-80-M16-150	80	26	M16	21.5	150	22
TBG415-80-M20-50	80	26	M20	21.5	50	22
TBG415-80-M20-80	80	26	M20	21.5	80	22
TBG415-80-M20-100	80	26	M20	21.5	100	22
TBG415-80-M20-125	80	26	M20	21.5	125	22
TBG415-80-M20-150	80	26	M20	21.5	150	22
TBG415-80-M24-50	80	26	M24	21.5	50	24
TBG415-80-M24-80	80	26	M24	21.5	80	24
TBG415-80-M24-100	80	26	M24	21.5	100	24
TBG415-80-M24-125	80	26	M24	21.5	125	24
TBG415-80-M24-150	80	26	M24	21.5	150	24
TBG415-100-M16-50	100	28	M16	21.5	50	22



TBG415

Swivel leveling feet

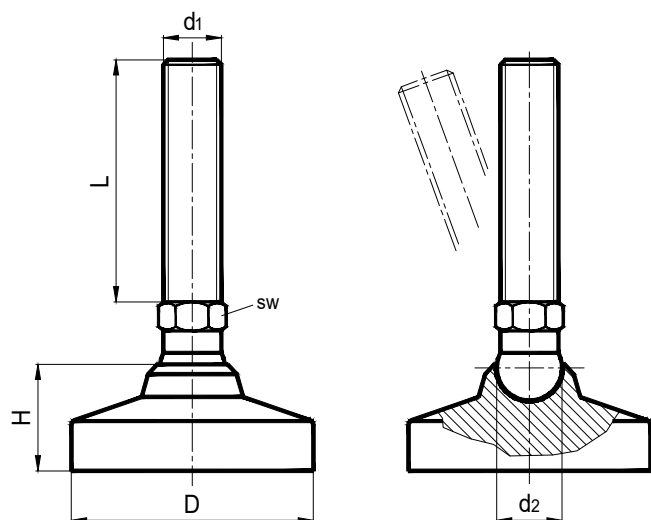
Drawing



Item no.	D	H	d1	d2	L	SW
TBG415-100-M16-80	100	28	M16	21.5	80	22
TBG415-100-M16-100	100	28	M16	21.5	100	22
TBG415-100-M16-125	100	28	M16	21.5	125	22
TBG415-100-M16-150	100	28	M16	21.5	150	22
TBG415-100-M20-50	100	28	M20	21.5	50	22
TBG415-100-M20-80	100	28	M20	21.5	80	22
TBG415-100-M20-100	100	28	M20	21.5	100	22
TBG415-100-M20-125	100	28	M20	21.5	125	22
TBG415-100-M20-150	100	28	M20	21.5	150	22
TBG415-100-M24-50	100	28	M24	21.5	50	24
TBG415-100-M24-80	100	28	M24	21.5	80	24
TBG415-100-M24-100	100	28	M24	21.5	100	24
TBG415-100-M24-125	100	28	M24	21.5	125	24
TBG415-100-M24-150	100	28	M24	21.5	150	24
TBG415-100-M30-50	100	28	M30	26	50	30
TBG415-100-M30-80	100	28	M30	26	80	30
TBG415-100-M30-100	100	28	M30	26	100	30
TBG415-100-M30-125	100	28	M30	26	125	30
TBG415-100-M30-150	100	28	M30	26	150	30
TBG415-120-M16-50	120	28	M16	21.5	50	22
TBG415-120-M16-80	120	28	M16	21.5	80	22
TBG415-120-M16-100	120	28	M16	21.5	100	22
TBG415-120-M16-125	120	28	M16	21.5	125	22
TBG415-120-M16-150	120	28	M16	21.5	150	22
TBG415-120-M20-50	120	28	M20	21.5	50	22
TBG415-120-M20-80	120	28	M20	21.5	80	22
TBG415-120-M20-100	120	28	M20	21.5	100	22



Drawing

[illegible]

TBG416

Swivel leveling feet

Stainless steel AISI 304

Thread stem:

Stainless steel AISI 304 hexagonal bar processing

Base:

Stainless steel AISI 304 solid cylinder lathe processing

Notes:

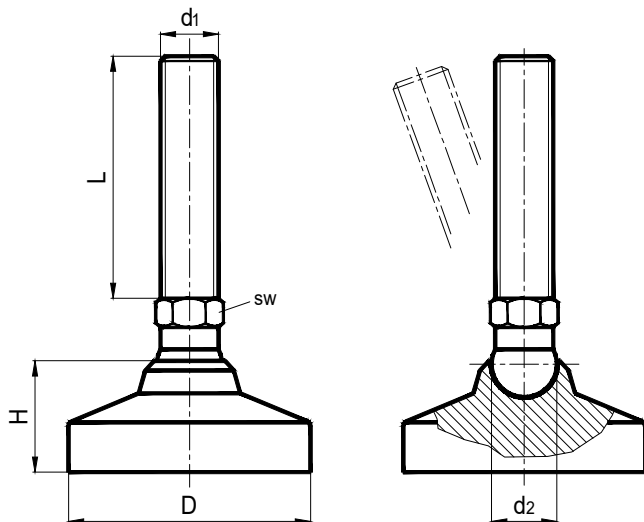
Non-slip disk is added to the bottom of this product.

The thread stud and the base are connected by ball jointed and can revolve.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.



Drawing



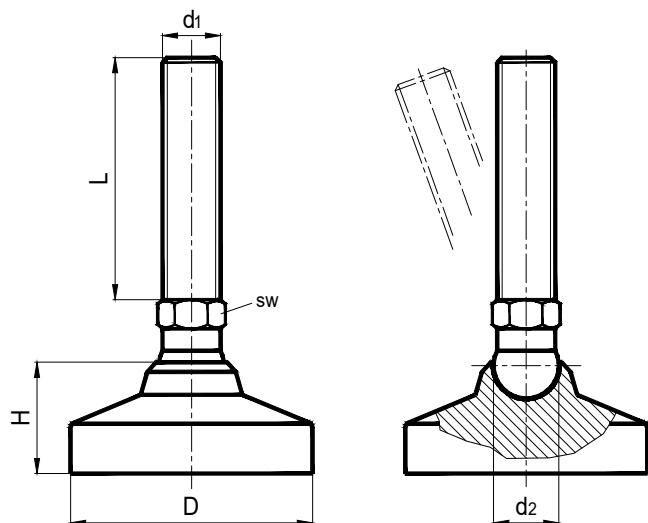
Item no.	D	H≈	d1	d2	L	SW
TBG416-50-M12-50	50	23	M12	13.5	50	14
TBG416-50-M12-80	50	23	M12	13.5	80	14
TBG416-50-M12-100	50	23	M12	13.5	100	14
TBG416-50-M12-125	50	23	M12	13.5	125	14
TBG416-50-M12-150	50	23	M12	13.5	150	14
TBG416-50-M14-50	50	23	M14	13.5	50	17
TBG416-50-M14-80	50	23	M14	13.5	80	17
TBG416-50-M14-100	50	23	M14	13.5	100	17
TBG416-50-M14-125	50	23	M14	13.5	125	17
TBG416-50-M14-150	50	23	M14	13.5	150	17
TBG416-50-M16-50	50	23	M16	13.5	50	17
TBG416-50-M16-80	50	23	M16	13.5	80	17



TBG416

Swivel leveling feet

Drawing

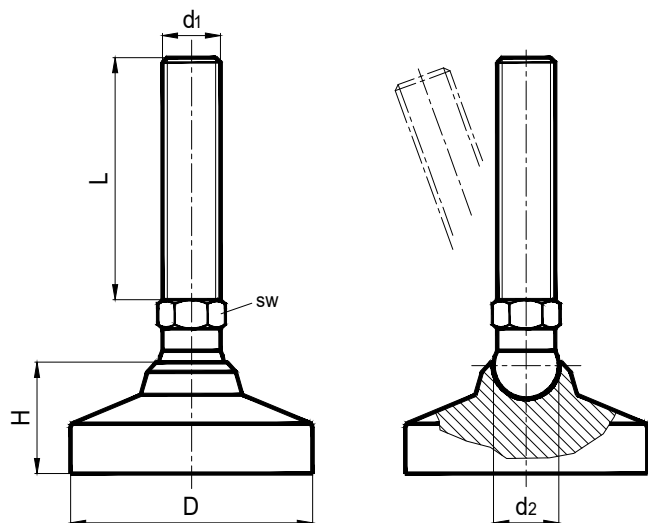


Item no.	D	H≈	d1	d2	L	SW
TBG416-50-M16-100	50	23	M16	13.5	100	17
TBG416-50-M16-125	50	23	M16	13.5	125	17
TBG416-50-M16-150	50	23	M16	13.5	150	17
TBG416-50-M20-50	50	23	M20	15.3	50	22
TBG416-50-M20-80	50	23	M20	15.3	80	22
TBG416-50-M20-100	50	23	M20	15.3	100	22
TBG416-50-M20-125	50	23	M20	15.3	125	22
TBG416-50-M20-150	50	23	M20	15.3	150	22
TBG416-50-M24-50	50	23	M24	15.3	50	24
TBG416-50-M24-80	50	23	M24	15.3	80	24
TBG416-50-M24-100	50	23	M24	15.3	100	24
TBG416-50-M24-125	50	23	M24	15.3	125	24
TBG416-50-M24-150	50	23	M24	15.3	150	24
TBG416-60-M12-50	60	23	M12	15.3	50	17
TBG416-60-M12-80	60	23	M12	15.3	80	17
TBG416-60-M12-100	60	23	M12	15.3	100	17
TBG416-60-M12-125	60	23	M12	15.3	125	17
TBG416-60-M12-150	60	23	M12	15.3	150	17
TBG416-60-M14-50	60	23	M14	15.3	50	17
TBG416-60-M14-80	60	23	M14	15.3	80	17
TBG416-60-M14-100	60	23	M14	15.3	100	17
TBG416-60-M14-125	60	23	M14	15.3	125	17
TBG416-60-M14-150	60	23	M14	15.3	150	17
TBG416-60-M16-50	60	23	M16	21.5	50	22
TBG416-60-M16-80	60	23	M16	21.5	80	22
TBG416-60-M16-100	60	23	M16	21.5	100	22

TBG416

Swivel leveling feet

Drawing

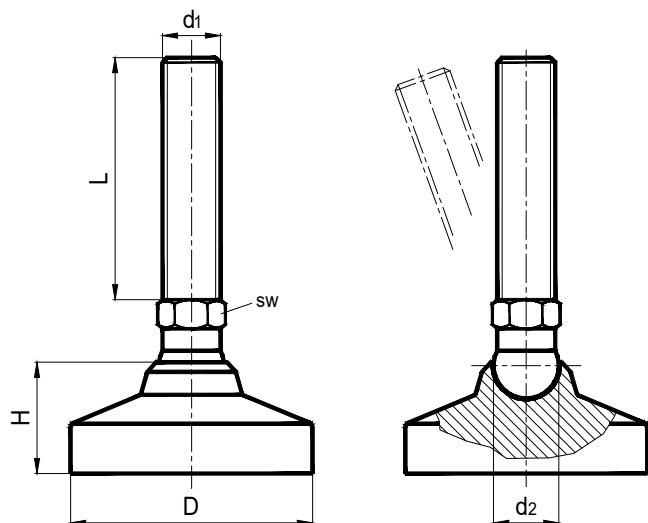


Item no.	D	H≈	d1	d2	L	SW
TBG416-60-M16-125	60	23	M16	21.5	125	22
TBG416-60-M16-150	60	23	M16	21.5	150	22
TBG416-60-M20-50	60	23	M20	21.5	50	22
TBG416-60-M20-80	60	23	M20	21.5	80	22
TBG416-60-M20-100	60	23	M20	21.5	100	22
TBG416-60-M20-125	60	23	M20	21.5	125	22
TBG416-60-M20-150	60	23	M20	21.5	150	22
TBG416-60-M24-50	60	23	M24	21.5	50	24
TBG416-60-M24-80	60	23	M24	21.5	80	24
TBG416-60-M24-100	60	23	M24	21.5	100	24
TBG416-60-M24-125	60	23	M24	21.5	125	24
TBG416-60-M24-150	60	23	M24	21.5	150	24
TBG416-80-M16-50	80	25	M16	21.5	50	22
TBG416-80-M16-80	80	25	M16	21.5	80	22
TBG416-80-M16-100	80	25	M16	21.5	100	22
TBG416-80-M16-125	80	25	M16	21.5	125	22
TBG416-80-M16-150	80	25	M16	21.5	150	22
TBG416-80-M20-50	80	25	M20	21.5	50	22
TBG416-80-M20-80	80	25	M20	21.5	80	22
TBG416-80-M20-100	80	25	M20	21.5	100	22
TBG416-80-M20-125	80	25	M20	21.5	125	22
TBG416-80-M20-150	80	25	M20	21.5	150	22
TBG416-80-M24-50	80	25	M24	21.5	50	24
TBG416-80-M24-80	80	25	M24	21.5	80	24
TBG416-80-M24-100	80	25	M24	21.5	100	24
TBG416-80-M24-125	80	25	M24	21.5	125	24

TBG416

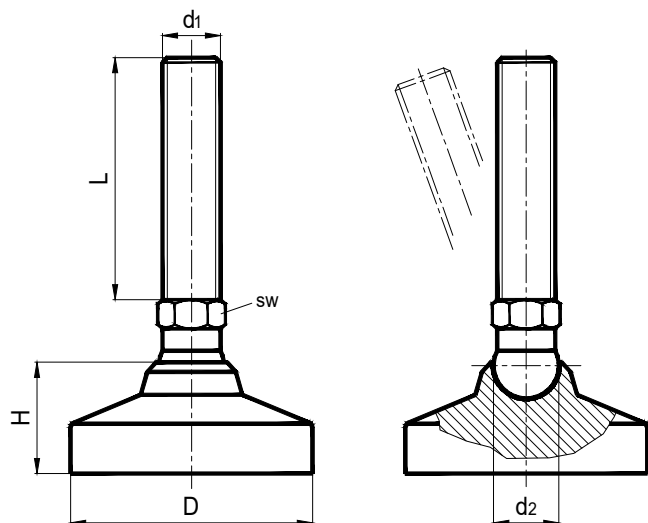
Swivel leveling feet

Drawing



Item no.	D	H≈	d1	d2	L	SW
TBG416-80-M24-150	80	25	M24	21.5	150	24
TBG416-100-M16-50	100	25	M16	21.5	50	22
TBG416-100-M16-80	100	25	M16	21.5	80	22
TBG416-100-M16-100	100	25	M16	21.5	100	22
TBG416-100-M16-125	100	25	M16	21.5	125	22
TBG416-100-M16-150	100	25	M16	21.5	150	22
TBG416-100-M20-50	100	25	M20	21.5	50	22
TBG416-100-M20-80	100	25	M20	21.5	80	22
TBG416-100-M20-100	100	25	M20	21.5	100	22
TBG416-100-M20-125	100	25	M20	21.5	125	22
TBG416-100-M20-150	100	25	M20	21.5	150	22
TBG416-100-M24-50	100	25	M24	21.5	50	24
TBG416-100-M24-80	100	25	M24	21.5	80	24
TBG416-100-M24-100	100	25	M24	21.5	100	24
TBG416-100-M24-125	100	25	M24	21.5	125	24
TBG416-100-M24-150	100	25	M24	21.5	150	24
TBG416-100-M30-50	100	25	M30	26	50	30
TBG416-100-M30-80	100	25	M30	26	80	30
TBG416-100-M30-100	100	25	M30	26	100	30
TBG416-100-M30-125	100	25	M30	26	125	30
TBG416-100-M30-150	100	25	M30	26	150	30
TBG416-120-M16-50	120	27	M16	21.5	50	22
TBG416-120-M16-80	120	27	M16	21.5	80	22
TBG416-120-M16-100	120	27	M16	21.5	100	22
TBG416-120-M16-125	120	27	M16	21.5	125	22
TBG416-120-M16-150	120	27	M16	21.5	150	22

Drawing

[illegible]

TBG417

Fixed leveling feet

Nickel plated steel/stainless steel AISI 304

Type SN:

Nickel plated steel

Type SS:

Stainless steel AISI 304

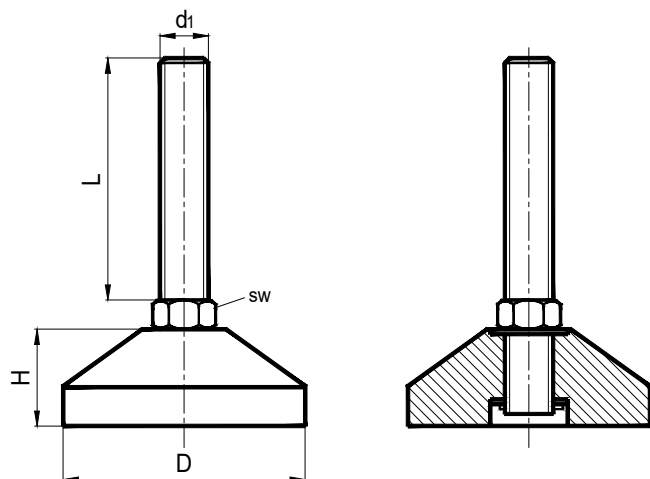


Notes:

Non-slip disk is not included in the delivery default. If needed, kindly mention it while placing the order.

These leveling feet are slightly rotatable, there is a circlip to connect thread and base. The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

Drawing



*Complete with material index:

SN

SS

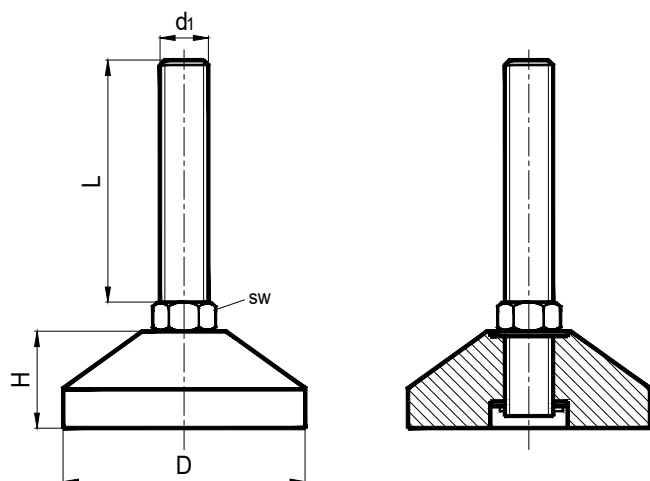
Item no.	D	H	d1	L	SW
TBG417-50-M10-50-*	50	20	M10	50	12
TBG417-50-M10-80-*	50	20	M10	80	12
TBG417-50-M10-100-*	50	20	M10	100	12
TBG417-50-M10-125-*	50	20	M10	125	12
TBG417-50-M10-150-*	50	20	M10	150	12
TBG417-50-M12-50-*	50	20	M12	50	12
TBG417-50-M12-80-*	50	20	M12	80	12
TBG417-50-M12-100-*	50	20	M12	100	12
TBG417-50-M12-125-*	50	20	M12	125	12
TBG417-50-M12-150-*	50	20	M12	150	12
TBG417-50-M16-50-*	50	20	M16	50	17



TBG417

Fixed leveling feet

Drawing



***Complete with material index:**

SN

SS

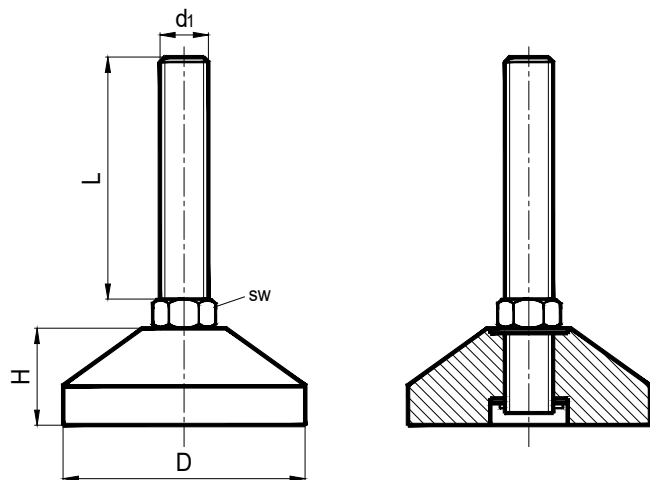
Item no.	D	H	d1	L	SW
TBG417-50-M16-80-*	50	20	M16	80	17
TBG417-50-M16-100-*	50	20	M16	100	17
TBG417-50-M16-125-*	50	20	M16	125	17
TBG417-50-M16-150-*	50	20	M16	150	17
TBG417-50-M20-50-*	50	20	M20	50	22
TBG417-50-M20-80-*	50	20	M20	80	22
TBG417-50-M20-100-*	50	20	M20	100	22
TBG417-50-M20-125-*	50	20	M20	125	22
TBG417-50-M20-150-*	50	20	M20	150	22
TBG417-50-M24-50-*	50	20	M24	50	24
TBG417-50-M24-80-*	50	20	M24	80	24
TBG417-50-M24-100-*	50	20	M24	100	24
TBG417-50-M24-125-*	50	20	M24	125	24
TBG417-50-M24-150-*	50	20	M24	150	24
TBG417-60-M12-50-*	60	20	M12	50	12
TBG417-60-M12-80-*	60	20	M12	80	12
TBG417-60-M12-100-*	60	20	M12	100	12
TBG417-60-M12-125-*	60	20	M12	125	12
TBG417-60-M12-150-*	60	20	M12	150	12
TBG417-60-M14-50-*	60	20	M14	50	17
TBG417-60-M14-80-*	60	20	M14	80	17
TBG417-60-M14-100-*	60	20	M14	100	17
TBG417-60-M14-125-*	60	20	M14	125	17
TBG417-60-M14-150-*	60	20	M14	150	17
TBG417-60-M16-50-*	60	20	M16	50	17
TBG417-60-M16-80-*	60	20	M16	80	17



TBG417

Fixed leveling feet

Drawing



***Complete with material index:**

SN

SS

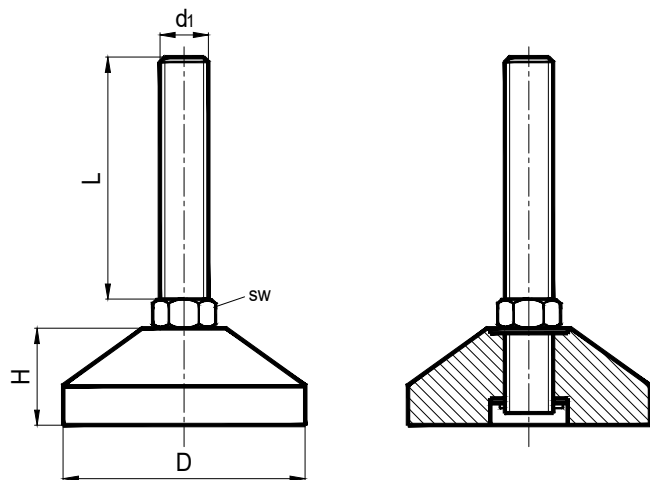
Item no.	D	H	d1	L	SW
TBG417-60-M16-100-*	60	20	M16	100	17
TBG417-60-M16-125-*	60	20	M16	125	17
TBG417-60-M16-150-*	60	20	M16	150	17
TBG417-60-M20-50-*	60	20	M20	50	22
TBG417-60-M20-80-*	60	20	M20	80	22
TBG417-60-M20-100-*	60	20	M20	100	22
TBG417-60-M20-125-*	60	20	M20	125	22
TBG417-60-M20-150-*	60	20	M20	150	22
TBG417-60-M24-50-*	60	20	M24	50	24
TBG417-60-M24-80-*	60	24	M24	80	24
TBG417-60-M24-100-*	60	24	M24	100	24
TBG417-60-M24-125-*	60	24	M24	125	24
TBG417-60-M24-150-*	60	24	M24	150	24
TBG417-80-M16-50-*	80	26	M16	50	17
TBG417-80-M16-80-*	80	26	M16	80	17
TBG417-80-M16-100-*	80	26	M16	100	17
TBG417-80-M16-125-*	80	26	M16	125	17
TBG417-80-M16-150-*	80	26	M16	150	17
TBG417-80-M20-50-*	80	26	M20	50	22
TBG417-80-M20-80-*	80	26	M20	80	22
TBG417-80-M20-100-*	80	26	M20	100	22
TBG417-80-M20-125-*	80	26	M20	125	22
TBG417-80-M20-150-*	80	26	M20	150	22
TBG417-80-M24-50-*	80	26	M24	50	24
TBG417-80-M24-80-*	80	26	M24	80	24
TBG417-80-M24-100-*	80	26	M24	100	24



TBG417

Fixed leveling feet

Drawing



***Complete with material index:**

SN

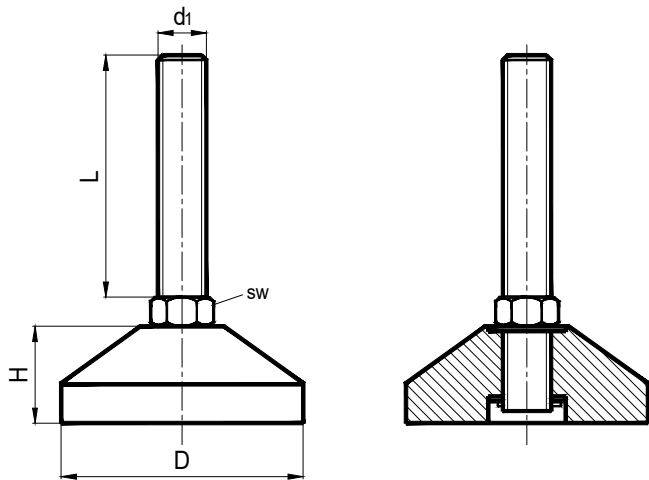
SS

Item no.	D	H	d1	L	SW
TBG417-80-M24-125-*	80	26	M24	125	24
TBG417-80-M24-150-*	80	26	M24	150	24
TBG417-100-M16-50-*	100	28	M16	50	17
TBG417-100-M16-100-*	100	28	M16	80	17
TBG417-100-M16-100-*	100	28	M16	100	17
TBG417-100-M16-125-*	100	28	M16	125	17
TBG417-100-M16-150-*	100	28	M16	150	17
TBG417-100-M20-50-*	100	28	M20	50	22
TBG417-100-M20-80-*	100	28	M20	80	22
TBG417-100-M20-100-*	100	28	M20	100	22
TBG417-100-M20-125-*	100	28	M20	125	22
TBG417-100-M20-150-*	100	28	M20	150	22
TBG417-100-M24-50-*	100	28	M24	50	24
TBG417-100-M24-100-*	100	28	M24	80	24
TBG417-100-M24-100-*	100	28	M24	100	24
TBG417-100-M24-125-*	100	28	M24	125	24
TBG417-100-M24-150-*	100	28	M24	150	24
TBG417-100-M30-50-*	100	28	M30	50	30
TBG417-100-M30-100-*	100	28	M30	80	30
TBG417-100-M30-100-*	100	28	M30	100	30
TBG417-100-M30-125-*	100	28	M30	125	30
TBG417-100-M30-150-*	100	28	M30	150	30
TBG417-120-M16-50-*	120	28	M16	50	17
TBG417-120-M16-120-*	120	28	M16	80	17
TBG417-120-M16-120-*	120	28	M16	100	17
TBG417-120-M16-125-*	120	28	M16	125	17



Fixed leveling feet

Drawing



***Complete with material index:**

SN

SS

[illegible]

Nickel plated steel/stainless steel AISI 304

Type SN:

Nickel plated steel, rubber pad

Type SS:

Stainless steel AISI 304, rubber pad

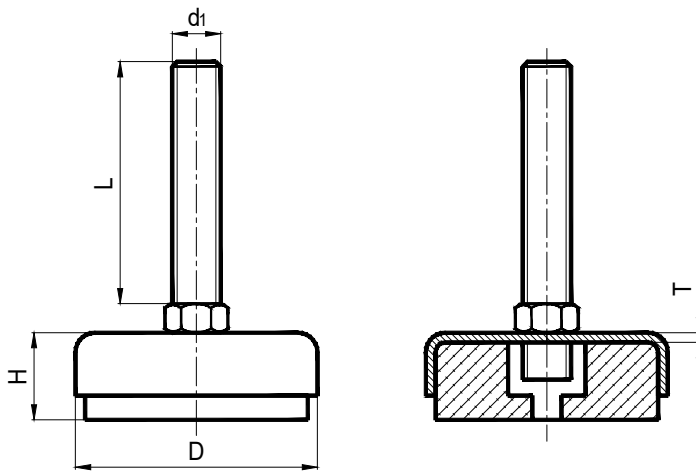
Notes:

The thread stud and the base are connected fixedly and can not be rotated.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.



Drawing



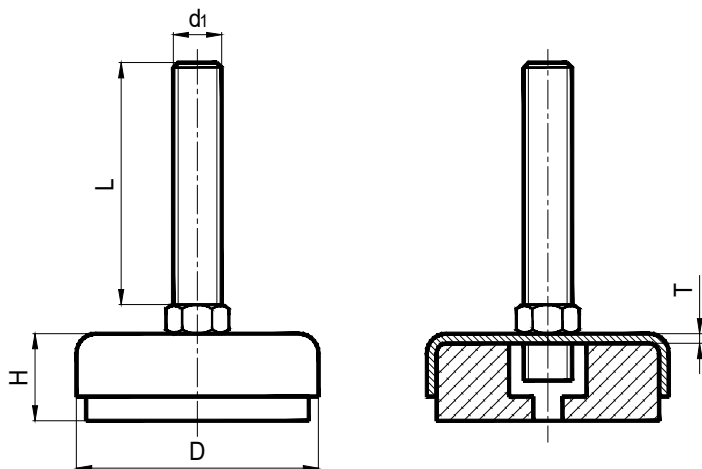
*Complete with material index:

SN

SS

Item no.	D	H	T	d1	L
TBG418-50-M10-50-*	50	18	2	M10	50
TBG418-50-M10-80-*	50	18	2	M10	80
TBG418-50-M10-100-*	50	18	2	M10	100
TBG418-50-M10-125-*	50	18	2	M10	125
TBG418-50-M10-150-*	50	18	2	M10	150
TBG418-50-M12-50-*	50	18	2	M12	50
TBG418-50-M12-80-*	50	18	2	M12	80
TBG418-50-M12-100-*	50	18	2	M12	100
TBG418-50-M12-125-*	50	18	2	M12	125
TBG418-50-M12-150-*	50	18	2	M12	150
TBG418-50-M16-50-*	50	18	2	M16	50
TBG418-50-M16-80-*	50	18	2	M16	80
TBG418-50-M16-100-*	50	18	2	M16	100

Drawing



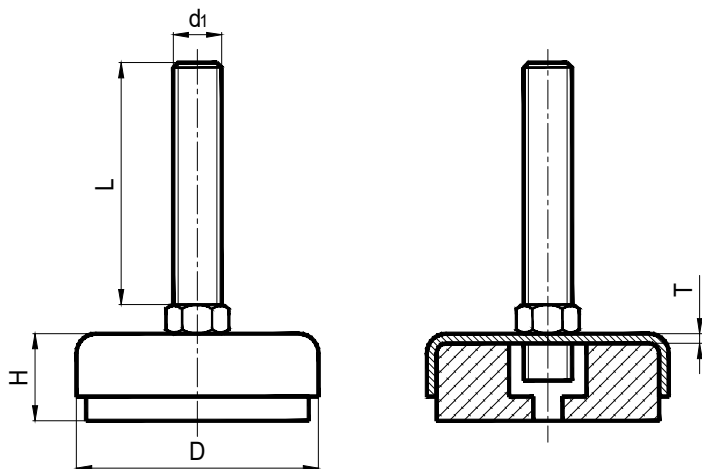
***Complete with material index:**

SN

SS

Item no.	D	H	T	d1	L
TBG418-50-M16-125-*	50	18	2	M16	125
TBG418-50-M16-150-*	50	18	2	M16	150
TBG418-60-M10-50-*	60	20	2	M10	50
TBG418-60-M10-80-*	60	20	2	M10	80
TBG418-60-M10-100-*	60	20	2	M10	100
TBG418-60-M10-125-*	60	20	2	M10	125
TBG418-60-M10-150-*	60	20	2	M10	150
TBG418-60-M12-50-*	60	20	2	M12	50
TBG418-60-M12-80-*	60	20	2	M12	80
TBG418-60-M12-100-*	60	20	2	M12	100
TBG418-60-M12-125-*	60	20	2	M12	125
TBG418-60-M12-150-*	60	20	2	M12	150
TBG418-60-M14-50-*	60	20	2	M14	50
TBG418-60-M14-80-*	60	20	2	M14	80
TBG418-60-M14-100-*	60	20	2	M14	100
TBG418-60-M14-125-*	60	20	2	M14	125
TBG418-60-M14-150-*	60	20	2	M14	150
TBG418-60-M16-50-*	60	20	2	M16	50
TBG418-60-M16-80-*	60	20	2	M16	80
TBG418-60-M16-100-*	60	20	2	M16	100
TBG418-60-M16-125-*	60	20	2	M16	125
TBG418-60-M16-150-*	60	20	2	M16	150
TBG418-60-M20-50-*	60	20	2	M20	50
TBG418-60-M20-80-*	60	20	2	M20	80
TBG418-60-M20-100-*	60	20	2	M20	100
TBG418-60-M20-125-*	60	20	2	M20	125

Drawing



***Complete with material index:**

SN

SS

Item no.	D	H	T	d1	L
TBG418-60-M20-150-*	60	20	2	M20	150
TBG418-60-M12-50-*	80	23	2.5	M12	50
TBG418-80-M12-80-*	80	23	2.5	M12	80
TBG418-80-M12-100-*	80	23	2.5	M12	100
TBG418-80-M12-125-*	80	23	2.5	M12	125
TBG418-80-M12-150-*	80	23	2.5	M12	150
TBG418-80-M16-50-*	80	23	2.5	M16	50
TBG418-80-M16-80-*	80	23	2.5	M16	80
TBG418-80-M16-100-*	80	23	2.5	M16	100
TBG418-80-M16-125-*	80	23	2.5	M16	125
TBG418-80-M16-150-*	80	23	2.5	M16	150
TBG418-80-M20-50-*	80	23	2.5	M20	50
TBG418-80-M20-80-*	80	23	2.5	M20	80
TBG418-80-M20-100-*	80	23	2.5	M20	100
TBG418-80-M20-125-*	80	23	2.5	M20	125
TBG418-80-M20-150-*	80	23	2.5	M20	150
TBG418-80-M24-50-*	80	23	2.5	M24	50
TBG418-80-M24-80-*	80	23	2.5	M24	80
TBG418-80-M24-100-*	80	23	2.5	M24	100
TBG418-80-M24-125-*	80	23	2.5	M24	125
TBG418-80-M24-150-*	80	23	2.5	M24	150

Nickel plated steel/stainless steel AISI 304

Type SN:

Nickel plated steel

Type SS:

Stainless steel AISI 304

Notes:

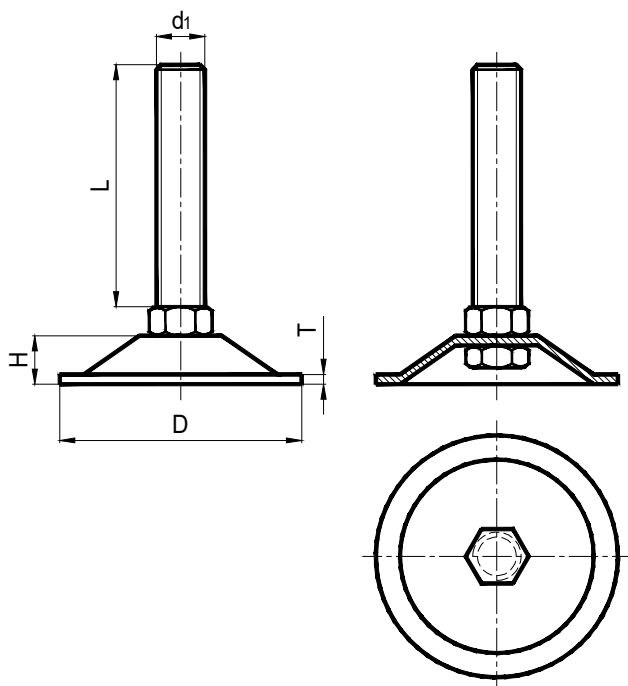
Non-slip disk is not included in the delivery by default. If needed, kindly indicate while placing the order.

These leveling feet are not rotatable, there is a nut to connect thread and base.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.



Drawing



*Complete with material index:

SN

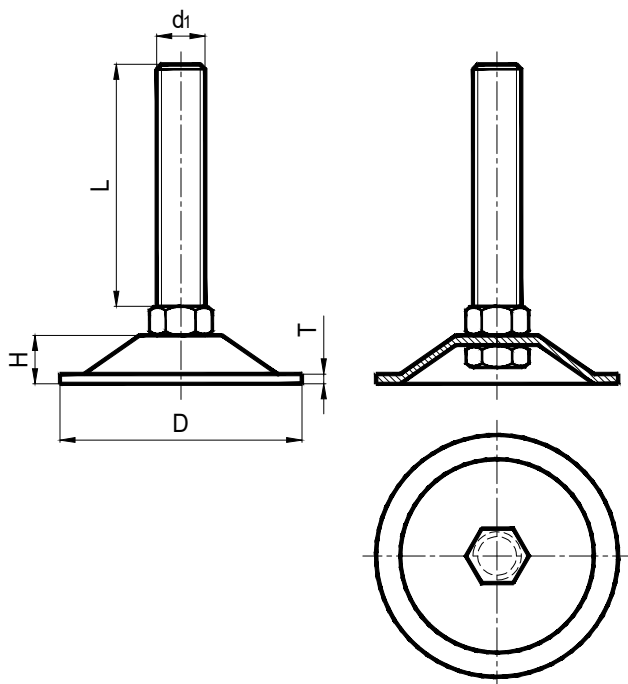
SS

Item no.	D	H	T	d1	L
TBG419-50-M10-50-*	50	10	2	M10	50
TBG419-50-M10-100-*	50	10	2	M10	100
TBG419-50-M10-150-*	50	10	2	M10	150
TBG419-50-M12-50-*	50	10	2	M12	50
TBG419-50-M12-100-*	50	10	2	M12	100
TBG419-50-M12-150-*	50	10	2	M12	150
TBG419-50-M16-50-*	50	10	2	M16	50

TBG419

Fixed leveling feet

Drawing



***Complete with material index:**

SN

SS

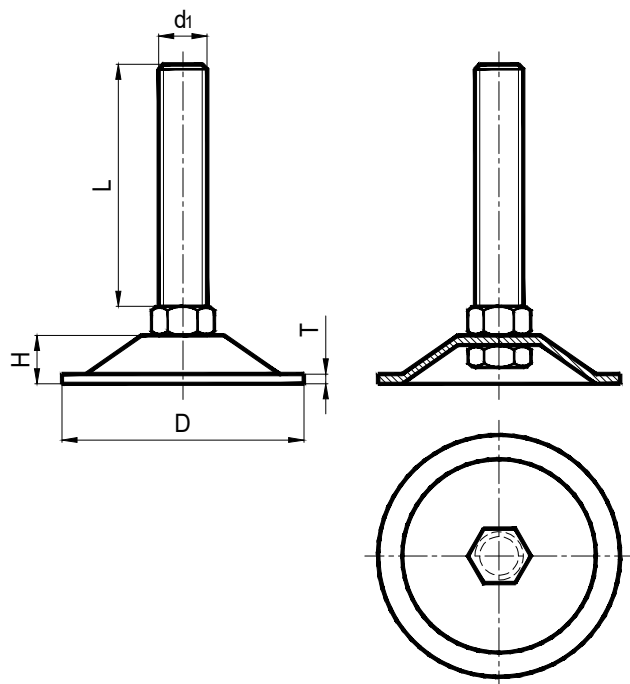
Item no.	D	H	T	d1	L
TBG419-50-M16-100-*	50	10	2	M16	100
TBG419-50-M16-150-*	50	10	2	M16	150
TBG419-60-M10-50-*	60	14	2	M10	50
TBG419-60-M10-100-*	60	14	2	M10	100
TBG419-60-M10-150-*	60	14	2	M10	150
TBG419-60-M12-50-*	60	14	2	M12	50
TBG419-60-M12-100-*	60	14	2	M12	100
TBG419-60-M12-150-*	60	14	2	M12	150
TBG419-60-M16-50-*	60	14	2	M16	50
TBG419-60-M16-100-*	60	14	2	M16	100
TBG419-60-M16-150-*	60	14	2	M16	150
TBG419-60-M20-50-*	60	14	2	M20	50
TBG419-60-M20-100-*	60	14	2	M20	100
TBG419-60-M20-150-*	60	14	2	M20	150
TBG419-80-M12-50-*	80	14	2	M12	50
TBG419-80-M12-100-*	80	14	2	M12	100
TBG419-80-M12-150-*	80	14	2	M12	150
TBG419-80-M16-80-*	80	14	2	M16	50
TBG419-80-M16-100-*	80	14	2	M16	100
TBG419-80-M16-150-*	80	14	2	M16	150
TBG419-80-M20-50-*	80	14	2	M20	50



TBG419

Fixed leveling feet

Drawing



***Complete with material index:**

SN

SS

Item no.	D	H	T	d1	L
TBG419-80-M20-100-*	80	14	2	M20	100
TBG419-80-M20-150-*	80	14	2	M20	150
TBG419-80-M24-50-*	80	14	2	M24	50
TBG419-80-M24-100-*	80	14	2	M24	100
TBG419-80-M24-150-*	80	14	2	M24	150
TBG419-100-M12-50-*	100	14	3	M12	50
TBG419-100-M12-100-*	100	14	3	M12	100
TBG419-100-M12-150-*	100	14	3	M12	150
TBG419-100-M16-100-*	100	14	3	M16	50
TBG419-100-M16-100-*	100	14	3	M16	100
TBG419-100-M16-150-*	100	14	3	M16	150
TBG419-100-M20-50-*	100	14	3	M20	50
TBG419-100-M20-100-*	100	14	3	M20	100
TBG419-100-M20-150-*	100	14	3	M20	150
TBG419-100-M24-50-*	100	14	3	M24	50
TBG419-100-M24-100-*	100	14	3	M24	100
TBG419-100-M24-150-*	100	14	3	M24	150



TBG420

Furniture adjustable leveling feet

Nickel plated steel/stainless steel AISI 304

Type SN:

Nickel plated steel, plastic

Type SS:

Stainless steel AISI 304, plastic

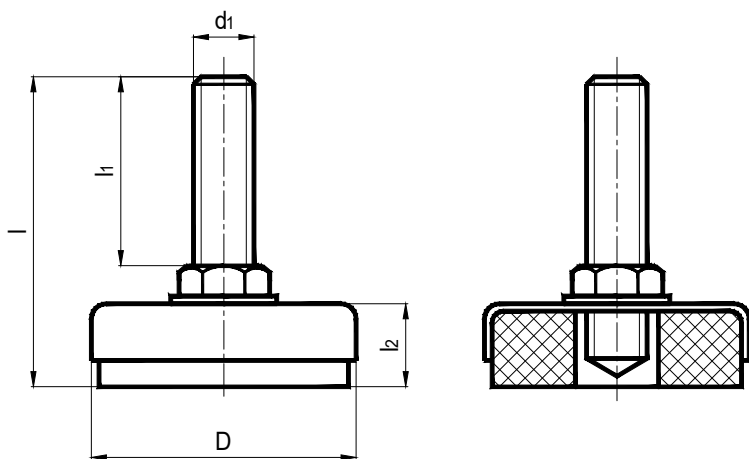


Notes:

Leveling feet TBG420 are rotatable, with a nut to connect the thread and the base.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

Drawing



*Complete with material index:

SN

SS

Item no.	D	d1	l	l1	l2
TBG420-35-M8-41-*	35	M8	41	25	11
TBG420-43-M8-42-*	43	M8	42	25	12
TBG420-35-M10-41-*	50	M10	40	20	14



Nickel plated steel/stainless steel AISI 304

Type SN:

Nickel plated steel, NBR rubber

Type SS:

Stainless steel AISI 304, NBR rubber

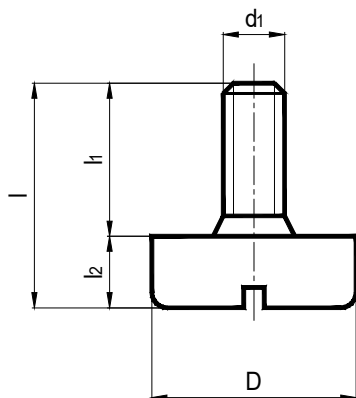


Notes:

The bottom of the base has a slot for screwdriver.

The length of the thread stud is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

Drawing



*Complete with material index:

SN

SS

Item no.	D	d1	I	I1	I2
TBG421-20-M6-21-*	20	M6	21	15	7
TBG421-20-M6-27-*	20	M6	27	20	7

DIN6332

Grub screws

With thrust point

Type ST:

Blackened steel, with hardened thrust point and hexagon

Type SS:

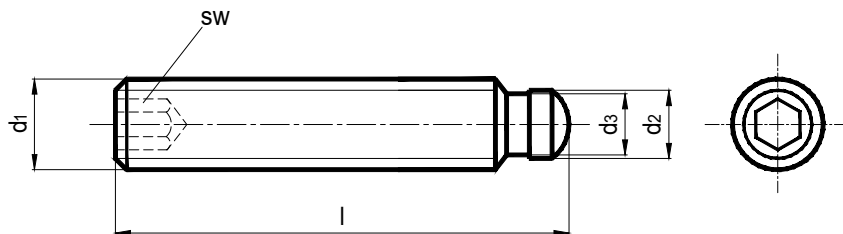
Stainless steel AISI 303 with hexagon



Notes:

The thrust point of the grub screws DIN6332 is designed to be used with or without the thrust pad for clamping. The length of screws is not limited to the size listed in the following table. For other sizes or inch sizes, please contact our customer service.

Drawing



*Complete with material index:

ST

SS

Item no.	d1	l	d2	d3	SW
DIN6332-M6-30-*	M6	30	4.5	4	3
DIN6332-M6-40-*	M6	40	4.5	4	3
DIN6332-M6-50-*	M6	50	4.5	4	3
DIN6332-M8-35-*	M8	35	6	5.4	4
DIN6332-M8-40-*	M8	40	6	5.4	4
DIN6332-M8-50-*	M8	50	6	5.4	4
DIN6332-M8-60-*	M8	60	6	5.4	4
DIN6332-M8-70-*	M8	70	6	5.4	4
DIN6332-M10-45-*	M10	45	8	7.2	5
DIN6332-M10-50-*	M10	50	8	7.2	5
DIN6332-M10-55-*	M10	55	8	7.2	5
DIN6332-M10-60-*	M10	60	8	7.2	5
DIN6332-M10-70-*	M10	70	8	7.2	5
DIN6332-M10-80-*	M10	80	8	7.2	5
DIN6332-M12-50-*	M12	50	8	7.2	6
DIN6332-M12-60-*	M12	60	8	7.2	6
DIN6332-M12-65-*	M12	65	8	7.2	6
DIN6332-M12-70-*	M12	70	8	7.2	6
DIN6332-M12-80-*	M12	80	8	7.2	6
DIN6332-M12-100-*	M12	100	8	7.2	6



TBG510-TBG515

MAGNETS



Tübingen Metal



Pot magnets (NdFeB) with female thread

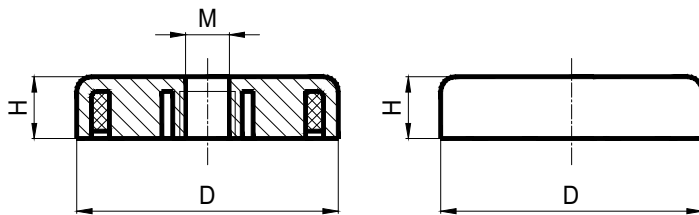
Shell:

Steel, nickel plated

Magnet:

NdFeB magnet, nickel plated

Drawing

[illegible]

Rectangular pot magnets (NdFeB), with counter bore

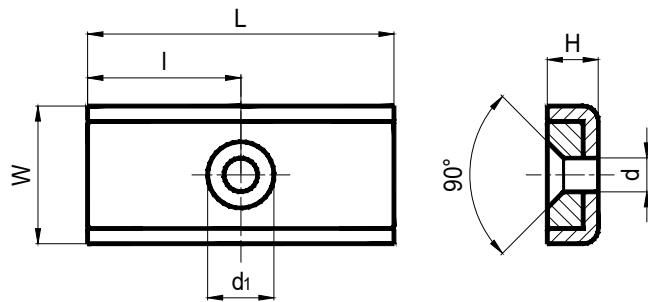
Shell:

Steel, nickel plated

Magnet:

NdFeB magnet, nickel plated

Drawing

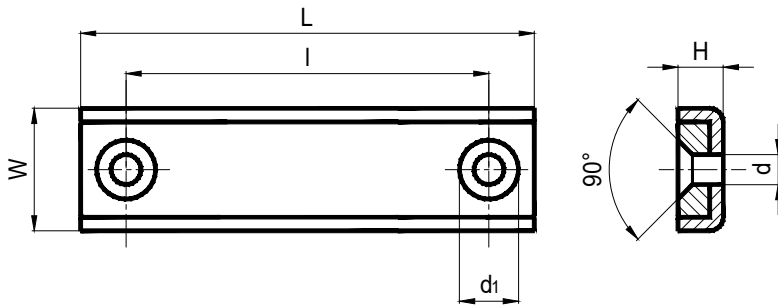
[illegible]

Rectangular pot magnets (NdFeB), with counter bore

Steel, nickel plated

NdFeB magnet, nickel plated

Drawing

[illegible]

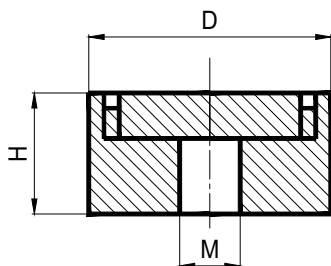
Shell:

Steel, nickel plated

Magnet:

NdFeB magnet, nickel plated

Drawing



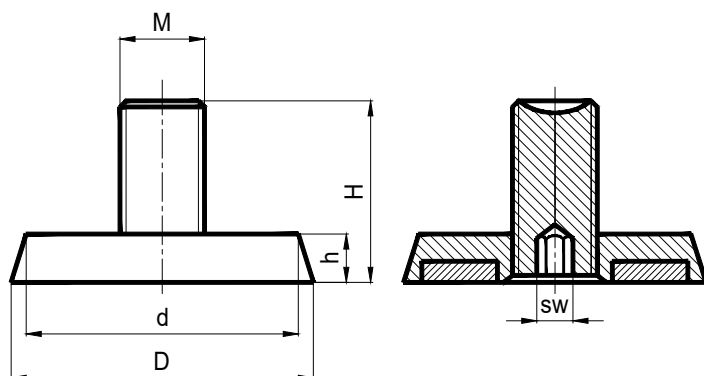
Item no.	D	H	M	Weight (g)	Vertical pulling force (kg)
TBG513-10	10	8	M3	5	2
TBG513-12	12	8	M3	7	4
TBG513-16	16	8	M4	12	8
TBG513-20	20	10	M4	24	12
TBG513-25	25	10	M5	37	25
TBG513-32	32	10	M6	61	34
TBG513-36	36	10	M6	77	50
TBG513-42	42	15	M6	158	72
TBG513-48	48	15	M8	206	81
TBG513-55	55	15	M8	271	95
TBG513-60	60	15	M8	322	160
TBG513-70	70	20	M10	585	200
TBG513-75	75	20	M10	672	270
TBG513-80	80	20	M10	764	300
TBG513-90	90	20	M10	967	360
TBG513-120	120	20	M12	1720	480

Precast concrete magnets

Steel zinc plated

NdFeB magnet, nickel plated

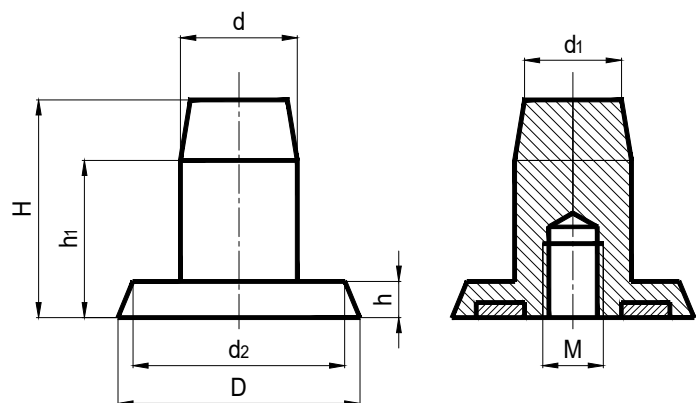
Drawing

[illegible]

Precast concrete magnets

Steel zinc plated

NdFeB magnet, nickel plated

[illegible]



@

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