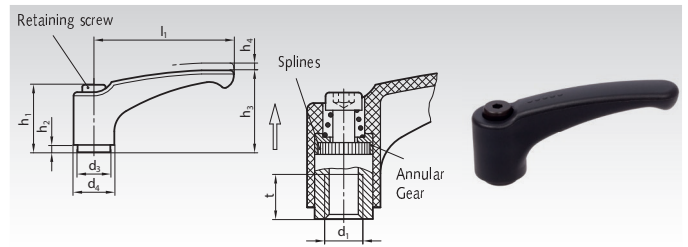


Adjustable Clamping Levers 355, Version N with Internal Thread, Disengaged by Pulling, Plastic

Material: Threaded bush and retaining screw steel, burnished.
Grip body: technopolymer (Polyamide PA), glas fibre reinforced, black-grey RAL 7021. Serrated ring zinc die casting.

User-friendly design. To be used preferably when the clamping range is limited or if a specific clamping position is required. By lifting (pulling) the handle the splines work loose and the clamping lever can be turned to the most suitable clamping position. Letting go causes the handle to re-engage automatically.

Temperature resistant up to +130°C.



Ordering Details: e.g.: Product No. 665 557 01, Adjustable Clamping Lever 355, version I, 44 mm, M4

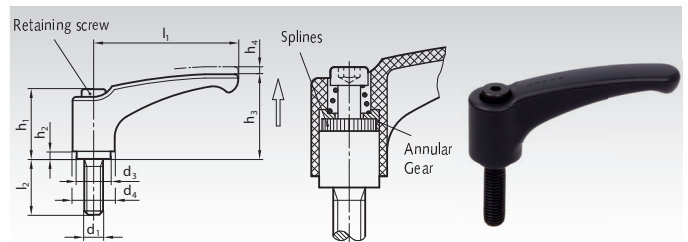
Product No.	l_1 mm	d_1 mm	d_3 mm	d_4 mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	t mm	Weight g
665 557 01	44	M4	10	15,5	24,5	3,5	30,5	3	8	17
665 557 02	44	M5	10	15,5	24,5	3,5	30,5	3	8	17
665 557 03	44	M6	10	15,5	24,5	3,5	30,5	3	8	16
665 557 04	63	M6	13,5	19	31	3,5	38,5	3	10	37
665 557 05	63	M8	13,5	19	31	3,5	38,5	3	10	35
665 557 06	78	M8	16	23	36	3,5	46,5	4	14	62
665 557 07	78	M10	16	23	36	3,5	46,5	4	14	60
665 557 08	95	M10	19	26,5	43	5	56,5	5	17	95
665 557 09	95	M12	19	26,5	43	5	56,5	5	17	90

Adjustable Clamping Levers 355, Version G with External Thread, Disengaged by Pulling, Plastic

Material: Threaded stud and retaining screw steel, burnished.
Grip body: technopolymer (Polyamide PA), glas fibre reinforced, black-grey RAL 7021. Serrated ring zinc die casting.

User-friendly design. To be used preferably when the clamping range is limited or if a specific clamping position is required. By lifting (pulling) the handle the splines work loose and the clamping lever can be turned to the most suitable clamping position. Letting go causes the handle to re-engage automatically.

Temperature resistant up to +130°C.



Ordering Details: e.g.: Product No. 665 557 11, Adjustable Clamping Lever 355, version A, 44 mm, M4x12mm

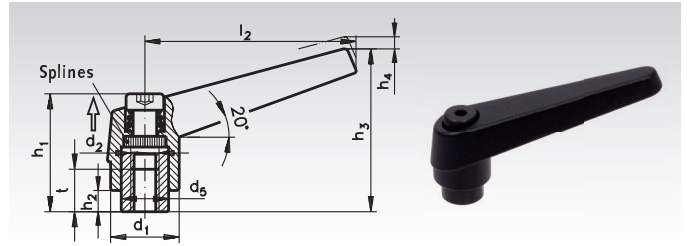
Product No.	l_1 mm	l_2 mm	d_1 mm	d_3 mm	d_4 mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	Weight g
665 557 11	44	12	M4	10	15,5	24,5	3,5	30,5	3	18
665 557 12	44	16	M4	10	15,5	24,5	3,5	30,5	3	16
665 557 16	44	12	M5	10	15,5	24,5	3,5	30,5	3	19
665 557 18	44	20	M5	10	15,5	24,5	3,5	30,5	3	19
665 557 19	44	25	M5	10	15,5	24,5	3,5	30,5	3	20
665 557 32	63	20	M6	13,5	19	31	3,5	38,5	3	41
665 557 34	63	32	M6	13,5	19	31	3,5	38,5	3	45
665 557 40	63	20	M8	13,5	19	31	3,5	38,5	3	46
665 557 41	63	25	M8	13,5	19	31	3,5	38,5	3	47
665 557 42	63	32	M8	13,5	19	31	3,5	38,5	3	47
665 557 43	63	40	M8	13,5	19	31	3,5	38,5	3	52
665 557 54	78	20	M8	16	23	36	3,5	46,5	4	75
665 557 55	78	25	M8	16	23	36	3,5	46,5	4	70
665 557 56	78	32	M8	16	23	36	3,5	46,5	4	73
665 557 57	78	40	M8	16	23	36	3,5	46,5	4	78
665 557 62	78	20	M10	16	23	36	3,5	46,5	4	79
665 557 63	78	25	M10	16	23	36	3,5	46,5	4	76
665 557 64	78	32	M10	16	23	36	3,5	46,5	4	81
665 557 65	78	40	M10	16	23	36	3,5	46,5	4	86
665 557 66	78	50	M10	16	23	36	3,5	46,5	4	88
665 557 67	78	63	M10	16	23	36	3,5	46,5	4	94
665 557 78	95	32	M10	19	26,5	43	5	56,5	5	120
665 557 79	95	40	M10	19	26,5	43	5	56,5	5	121
665 557 80	95	50	M10	19	26,5	43	5	56,5	5	128
665 557 81	95	63	M10	19	26,5	43	5	56,5	5	133
665 557 86	95	32	M12	19	26,5	43	5	56,5	5	125
665 557 87	95	40	M12	19	26,5	43	5	56,5	5	131
665 557 88	95	50	M12	19	26,5	43	5	56,5	5	138
665 557 89	95	63	M12	19	26,5	43	5	56,5	5	148

Adjustable Clamping Levers 120 Version N with Internal Thread, Disengaged by Pulling

Material: Handle: Zinc die-cast. Threaded bush and locking screw: Steel burnished. Handle: plastic coated, colour black RAL 9005.

Version N = Handle slanted, with metric-threaded bush.

As they are adjustable, they are very versatile in use. The threaded insert is connected to the lever via the serration and can be released by pulling



Ordering Details: e.g.: Product No. 665 705 00, Adjustable Clamping Lever, Thread M5

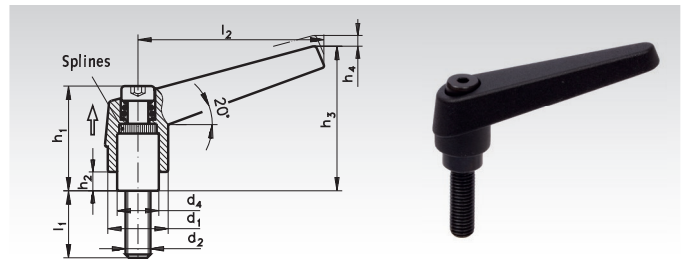
Product No. Version N	d ₁ mm	d ₂ mm	d ₅ mm	h ₁ mm	h ₂ mm	Stroke h ₄ mm	h ₃ mm	l ₂ mm	t mm	Weight g
665 705 00	14	M5	10	25	4,5	3,5	35	45	9	33
665 706 00	14	M6	10	25	4,5	3,5	35	45	9	33
665 707 00	18	M6	13,5	31	6,5	4	45	62	12	70
665 708 00	18	M8	13,5	31	6,5	4	45	62	12	70
665 709 00	22	M8	16	36	8	4	52	74	15	116
665 710 00	22	M10	16	36	8	4	52	74	15	116
665 711 00	25	M10	19	43	11	4	63	89	18	173
665 712 00	25	M12	19	43	11	4	63	89	18	173
665 713 00	30	M12	23	50,5	12	5	76	108	24	285
665 716 00	30	M16	23	50,5	12	5	76	108	24	285

Adjustable Clamping Levers 120 Version G with External Thread, Disengaged by Pulling

Material: Handle: zinc die-cast. Threaded stud and locking screw: Steel burnished. Handle: Plastic coated, colour black RAL 9005.

Version G = Handle slanted, with metric-threaded stud.

As they are adjustable, they are very versatile in use. The threaded insert is connected to the lever via the serration and can be released by pulling



Ordering Details: e.g.: Product No. 665 755 12, Adjustable Clamping Lever, Thread M5x12

Product No. Version G	d ₁ mm	d ₂ mm	l ₁ mm	d ₄ mm	h ₁ mm	h ₂ mm	h ₃ mm	Stroke h ₄ mm	l ₂ mm	Weight g
665 755 12	14	M5	12	10	25	4,5	35	3,5	45	37
665 755 16	14	M5	16	10	25	4,5	35	3,5	45	38
665 755 20	14	M5	20	10	25	4,5	35	3,5	45	39
665 755 25	14	M5	25	10	25	4,5	35	3,5	45	39
665 755 32	14	M5	32	10	25	4,5	35	3,5	45	40
665 756 16	18	M6	16	13,5	31	6,5	45	4	62	76
665 756 20	18	M6	20	13,5	31	6,5	45	4	62	77
665 756 25	18	M6	25	13,5	31	6,5	45	4	62	80
665 756 32	18	M6	32	13,5	31	6,5	45	4	62	81
665 756 40	18	M6	40	13,5	31	6,5	45	4	62	82
665 758 16	18	M8	16	13,5	31	6,5	45	4	62	78
665 758 20	18	M8	20	13,5	31	6,5	45	4	62	80
665 758 25	18	M8	25	13,5	31	6,5	45	4	62	81
665 758 32	18	M8	32	13,5	31	6,5	45	4	62	87
665 758 40	18	M8	40	13,5	31	6,5	45	4	62	89
665 760 20	22	M10	20	16	36	8	52	4	74	132
665 760 25	22	M10	25	16	36	8	52	4	74	136
665 760 32	22	M10	32	16	36	8	52	4	74	137
665 760 40	22	M10	40	16	36	8	52	4	74	143
665 760 50	22	M10	50	16	36	8	52	4	74	148
665 762 25	25	M12	25	19	43	11	63	4	89	203
665 762 32	25	M12	32	19	43	11	63	4	89	206
665 762 40	25	M12	40	19	43	11	63	4	89	214
665 762 50	25	M12	50	19	43	11	63	4	89	219
665 766 32	30	M16	32	23	50,5	12	76	5	108	362
665 766 40	30	M16	40	23	50,5	12	76	5	108	373
665 766 50	30	M16	50	23	50,5	12	76	5	108	386

Note

This clamping lever has proven ideal wherever the swivel range is limited or where a specific lever position is most convenient for the operator. The lever also features a modern design. By pulling the lever, the serrations are disengaged. Now the handle

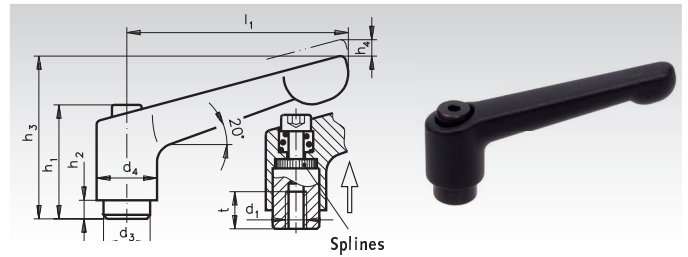
can be turned into any direction and the threaded insert can be screwed in or out by turning the locking screw. When the lever is released, the serration re-engages automatically because of the spring tension.

Adjustable Clamping Levers 300, Version N with Internal Thread, Disengaged by Pulling

Material: Threaded bush and locking screw: steel 5.8, burnished.
Handle: zinc die-cast.
Plastic coating: black.

Modern industrial design. Easy to operate. Ideal wherever parts have to be clamped in confined spaces or in a particular lever position.

Pulling the lever upwards disengages the serrations, allowing the lever to be turned to the ideal clamping position. When the lever is released, the serrations automatically re-engage.



Ordering Details: e.g.: Product No. 665 720 00, Adjustable Clamping Lever 300, 30 mm, M4

Product No.	l_1 mm	d_1 mm	d_3 mm	d_4 mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	t mm	Weight g
665 720 00	30	M4	10	13	24,5	4	31	3,5	7	27
665 722 00	30	M5	10	13	24,5	4	31	3,5	7	27
665 724 00	45	M4	10	13	24,5	4	35	3,5	8	34
665 726 00	45	M5	10	13	24,5	4	35	3,5	8	34
665 728 00	63	M6	13,5	17,5	31	6,5	45	4	10	76
665 730 00	63	M8	13,5	17,5	31	6,5	45	4	10	74
665 731 00	78	M8	16	21	36	8	55	4	14	123
665 733 00	78	M10	16	21	36	8	55	4	14	119
665 734 00	92	M10	19	24	43	11	65	4	17	194
665 736 00	92	M12	19	24	43	11	65	4	17	171
665 738 00	108	M16	23	30	50,5	12	76	5	23	289

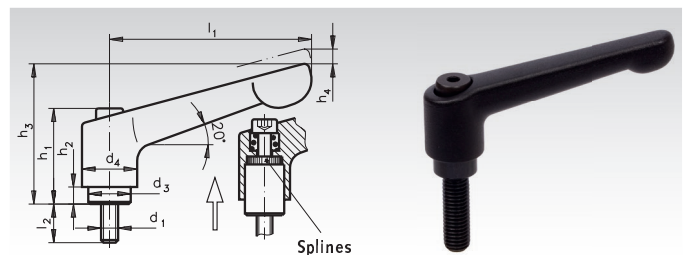
Adjustable Clamping Levers 300, Version G with external Thread, disengaged by pulling

Material: Screw insert and locking screw: Steel 5.8 burnished.
Handle: zinc diecast.
Plastic coating: black.

Modern industrial design. Easy to operate. Ideal wherever parts have to be clamped in confined spaces or in a particular lever position.

The insert is connected to the lever via serrations. Pulling the lever upwards disengages the serrations, allowing the lever to be turned to the ideal clamping position. When the lever is released, the serrations automatically re-engage.

Ordering Details: e.g.: Product No. 665 775 08, Adjustable Clamping Lever 300, 30 mm, M4



Product No.	l_1 mm	l_2 mm	d_1 mm	d_3 mm	d_4 mm	h_1 mm	h_2 mm	h_3 mm	h_4 mm	Weight g
665 775 08	30	12	M4	10	13	24,5	4	31	3,5	28
665 775 09	30	20	M4	10	13	24,5	4	31	3,5	28
665 775 10	30	12	M5	10	13	24,5	4	31	3,5	29
665 775 11	30	20	M5	10	13	24,5	4	31	3,5	29
665 775 12	45	12	M5	10	13	24,5	4	35	3,5	36
665 775 16	45	16	M5	10	13	24,5	4	35	3,5	36
665 775 20	45	20	M5	10	13	24,5	4	35	3,5	36
665 775 25	45	25	M5	10	13	24,5	4	35	3,5	37
665 775 32	45	32	M5	10	13	24,5	4	35	3,5	38
665 776 16	45	16	M6	10	13	24,5	4	35	3,5	37
665 776 20	45	20	M6	10	13	24,5	4	35	3,5	37
665 776 25	45	25	M6	10	13	24,5	4	35	3,5	38
665 776 32	45	32	M6	10	13	24,5	4	35	3,5	40
665 776 40	45	40	M6	10	13	24,5	4	35	3,5	41
665 778 10	63	20	M6	13,5	17,5	31	6,5	45	4	81
665 778 16	63	32	M6	13,5	17,5	31	6,5	45	4	83
665 778 20	63	20	M8	13,5	17,5	31	6,5	45	4	84
665 778 25	63	25	M8	13,5	17,5	31	6,5	45	4	86
665 778 32	63	32	M8	13,5	17,5	31	6,5	45	4	88
665 778 40	63	40	M8	13,5	17,5	31	6,5	45	4	91
665 780 20	78	20	M10	16	21	36	8	55	4	139
665 780 25	78	25	M10	16	21	36	8	55	4	141
665 780 32	78	32	M10	16	21	36	8	55	4	142
665 780 40	78	40	M10	16	21	36	8	55	4	146
665 780 50	78	50	M10	16	21	36	8	55	4	152
665 780 63	78	63	M10	16	21	36	8	55	4	159
665 782 32	92	32	M12	19	24	43	11	65	4	217
665 782 40	92	40	M12	19	24	43	11	65	4	222
665 782 50	92	50	M12	19	24	43	11	65	4	229
665 782 63	92	63	M12	19	24	43	11	65	4	239

On request, the adjustable clamping levers 300 can also be supplied with stainless-steel insert 1.4305.

Adjustable Clamping Levers 300.5, Version IS-N with Internal Thread, Disengaged by Pulling, Stainless

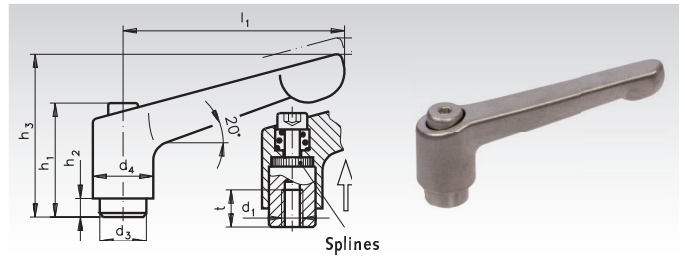
Material: Threaded bush and set screw, stainless steel 1.4305.
Grip body: Stainless steel 1.4308, matt blasted.



Version IS: With internal hexagon screw.

User-friendly design. To be used preferably when the clamping range is limited or if a specific clamping position is required. The thread insert is connected to the handle via splines and can be removed.

By lifting (pulling) the handle the splines work loose and the clamping lever can be turned to the most suitable clamping position. Letting go causes the handle to engage automatically.



Ordering Details: e.g.: Product No. 665 997 01, Adjustable Clamping Lever 300.5, version I, 45 mm.

Product No.	l ₁ mm	d ₁ mm	d ₃ mm	d ₄ mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm	t mm	Weight g
665 997 01	45	M5	10	13	24,5	4	35	3,5	9	34
665 997 02	45	M6	10	13	24,5	4	35	3,5	9	34
665 997 03	63	M6	13,5	17,5	31	6,5	45	4	11	76
665 997 04	63	M8	13,5	17,5	31	6,5	45	4	11	74
665 997 05	78	M8	16	21	36	8	55	4	14	123
665 997 06	78	M10	16	21	36	8	55	4	14	119

Alternatively with outside-hexagon screw on request.

Adjustable Clamping Levers 300.5, Version IS-G with External Thread, Disengaged by Pulling, Stainless

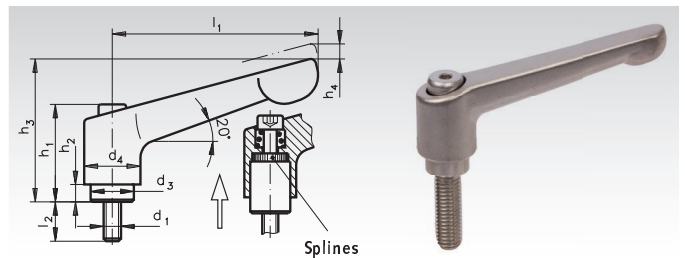
Material: Screwed insert and set screw, stainless steel 1.4305.
Grip body: Stainless steel 1.4308, matt blasted.



Version IS: With internal hexagon screw.

User-friendly design. To be used preferably when the clamping range is limited or if a specific clamping position is required. The thread insert is connected to the handle via splines and can be removed.

By lifting (pulling) the handle the splines work loose and the clamping lever can be turned to the most suitable clamping position. Letting go causes the handle to engage automatically.



Ordering Details: e.g.: Product No. 665 997 11, Adjustable Clamping Lever 300.5, version A, 45 mm.

Product No.	l ₁ mm	l ₂ mm	d ₁ mm	d ₃ mm	d ₄ mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm	Weight g
665 997 11	45	12	M5	10	13	24,5	4	35	3,5	36
665 997 12	45	16	M5	10	13	24,5	4	35	3,5	36
665 997 13	45	20	M5	10	13	24,5	4	35	3,5	36
665 997 14	45	25	M5	10	13	24,5	4	35	3,5	37
665 997 15	45	32	M5	10	13	24,5	4	35	3,5	38
665 997 19	45	16	M6	10	13	24,5	4	35	3,5	37
665 997 20	45	20	M6	10	13	24,5	4	35	3,5	37
665 997 21	45	25	M6	10	13	24,5	4	35	3,5	38
665 997 22	45	32	M6	10	13	24,5	4	35	3,5	40
665 997 23	45	40	M6	10	13	24,5	4	35	3,5	41
665 997 26	63	20	M6	13,5	17,5	31	6,5	45	4	81
665 997 27	63	25	M6	13,5	17,5	31	6,5	45	4	82
665 997 28	63	32	M6	13,5	17,5	31	6,5	45	4	83
665 997 29	63	40	M6	13,5	17,5	31	6,5	45	4	83
665 997 30	63	50	M6	13,5	17,5	31	6,5	45	4	84
665 997 33	63	20	M8	13,5	17,5	31	6,5	45	4	84
665 997 34	63	25	M8	13,5	17,5	31	6,5	45	4	86
665 997 35	63	32	M8	13,5	17,5	31	6,5	45	4	88
665 997 36	63	40	M8	13,5	17,5	31	6,5	45	4	91
665 997 37	63	50	M8	13,5	17,5	31	6,5	45	4	94
665 997 38	63	63	M8	13,5	17,5	31	6,5	45	4	98
665 997 39	78	20	M10	16	21	36	8	55	4	139
665 997 40	78	25	M10	16	21	36	8	55	4	141
665 997 41	78	32	M10	16	21	36	8	55	4	142
665 997 42	78	40	M10	16	21	36	8	55	4	146
665 997 43	78	50	M10	16	21	36	8	55	4	152
665 997 44	78	63	M10	16	21	36	8	55	4	159

Alternatively with outside-hexagon screw on request.

Eccentric clamps 927 with internal thread

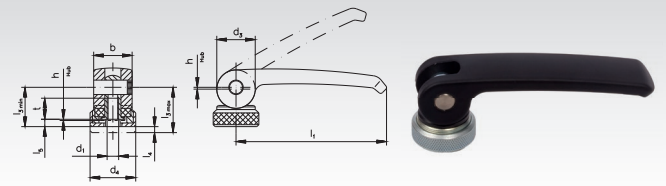
Materials: Lever: Zinc die cast, with wear-resistant epoxy resin coating, black matt.
Support washer version A: Zinc-plated steel, chromated.
Support washer version B: Thermoplast, glass-fibre reinforced, black matt.

Version A: With knurled adjustable support washer with fine thread. Thus the clamping force and the lever position can be set exactly on the lever side.

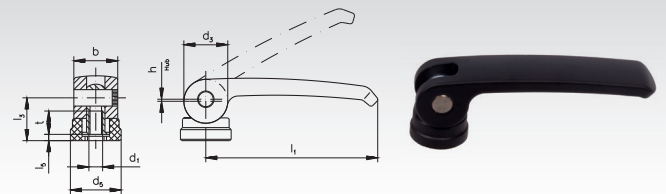
Version B: Non-adjustable support washer. The clamping force, can either be set on the lever side by turning the lever, or on the backside by adjusting the nut/knurled nut if present.

- For rapid clamping and loosening by hand.
- Clamping is made without generating a torque.
- Clamping force is up to 8 kN.

Version A



Version B



Ordering Details: e.g.: Product No. 661 763 10, Eccentric Clamp Version A, Length 63mm, M6

Product No. Version A	Product No. Version B	l ₁ mm	d ₁ mm	b mm	d ₃ mm	d ₄ mm	d ₅ mm	h mm	l ₃ min. mm	l ₃ max. mm	l ₄ mm	l ₅ min. mm	t mm	Weight g
665 763 10	665 763 20	63	M6	16	16	19	18,5	0,75	15	16,3	1,5	3	10	56
665 782 10	665 782 20	82	M8	20	20	25	22,5	1	17,7	19,5	2,5	3,7	12	108

Eccentric clamps 927 with external thread

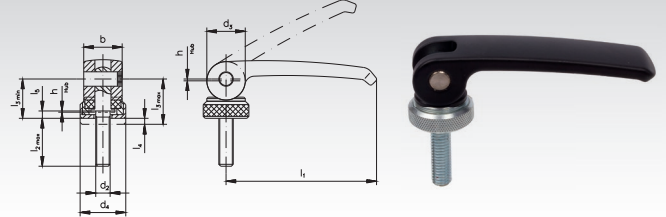
Materials: Lever: Zinc die cast, with wear-resistant epoxy resin coating, black matt.
Grub screw and support washer version A: Zinc-plated steel, chromated.
Support washer version B: Thermoplast, glass-fibre reinforced, black matt.

Version A: With knurled adjustable support washer with fine thread. Thus the clamping force and the lever position can be set exactly on the lever side.

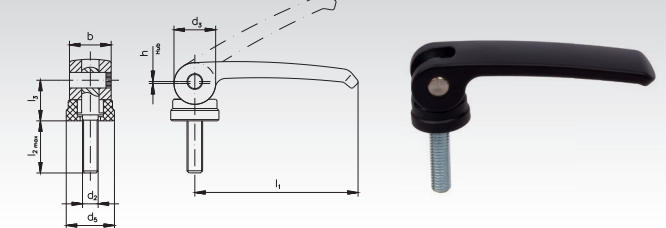
Version B: Non-adjustable support washer. The clamping force, can either be set on the lever side by turning the lever, or on the backside by adjusting the nut/knurled nut if present.

- For rapid clamping and loosening by hand.
- Clamping is made without generating a torque.
- Clamping force is up to 8 kN.

Version A



Version B



Ordering Details: e.g.: Product No. 665 763 11, Eccentric Clamp Version A, Length 63mm, M6x 20

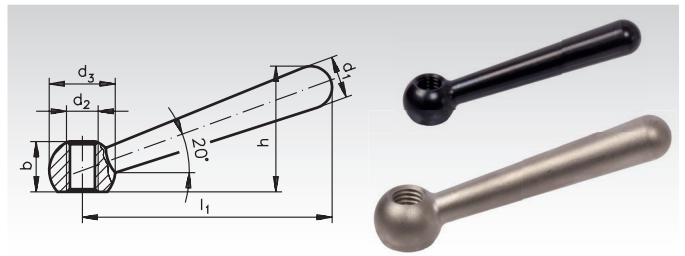
Product No. Version A	Product No. Version B	l ₁ mm	d ₂ mm	l ₂ mm	b mm	d ₃ mm	d ₄ mm	d ₅ mm	h mm	l ₃ min. mm	l ₃ max. mm	l ₄ mm	l ₅ min. mm	Weight g
665 763 11	665 763 21	63	M6	20	16	16	19	18,5	0,75	15	16,3	1,5	3	62
665 763 12	665 763 22	63	M6	25	16	16	19	18,5	0,75	15	16,3	1,5	3	63
665 763 13	665 763 23	63	M6	30	16	16	19	18,5	0,75	15	16,3	1,5	3	64
665 763 14	665 763 24	63	M6	35	16	16	19	18,5	0,75	15	16,3	1,5	3	65
665 763 15	665 763 25	63	M6	40	16	16	19	18,5	0,75	15	16,3	1,5	3	66
665 763 16	665 763 26	63	M6	50	16	16	19	18,5	0,75	15	16,3	1,5	3	68
665 782 11	665 782 21	82	M8	25	20	20	25	22,5	1	17,7	19,5	2,5	3,7	122
665 782 12	665 782 22	82	M8	30	20	20	25	22,5	1	17,7	19,5	2,5	3,7	124
665 782 13	665 782 23	82	M8	35	20	20	25	22,5	1	17,7	19,5	2,5	3,7	126
665 782 14	665 782 24	82	M8	40	20	20	25	22,5	1	17,7	19,5	2,5	3,7	128
665 782 15	665 782 25	82	M8	50	20	20	25	22,5	1	17,7	19,5	2,5	3,7	132
665 782 16	665 782 26	82	M8	60	20	20	25	22,5	1	17,7	19,5	2,5	3,7	136

Clamp Nuts DIN 99 St Made from Steel or Stainless Steel

Material Version N: Steel burnished.

Material Stainless: Stainless steel 1.4305, matt finish blasted.

Handle slanted, with metric thread.



Ordering Details: e.g.: Product No. 665 106 00, Clamp Nut DIN 99, 8 mm

Product No. Version N	Product No. Stainless	d ₁ mm	Thread mm	d ₃ mm	l ₁ mm	h mm	b mm	Weight g
665 106 00	665 991 06	8	M6	12	48	24	9,5	17
665 108 00	665 991 08	10	M8	16	60	30,5	12	38
665 110 00	665 991 10	13	M10	20	76	38	14,5	76
665 112 00	665 991 12	16	M12	25	95	47	18,5	144
665 116 00	665 991 16	20	M16	32	119	59,5	24	283
665 120 00	-	25	M20	40	152	76	30	561
665 124 00	-	32	M24	50	190	97	40	1116

Adjustable Clamping Levers 119 St

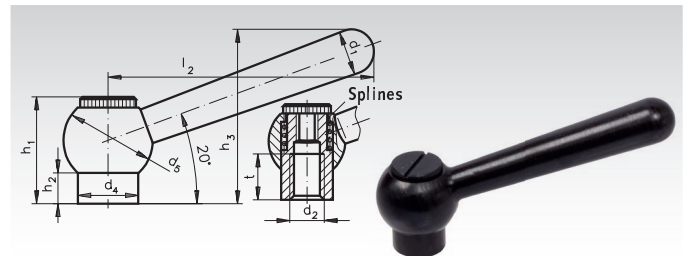
Material: Steel burnished.

Version N = handle slanted, with metric thread.

Use: In applications where either the clamping range is limited or where a specific lever position is required. The serrated bore in the spherical hub is fitted with a threaded-bolt insert, which engages in the hub with its own serrations.

By depressing the clamping lever, the serrations are disengaged, freeing it for re-positioning in the most convenient position.

When releasing the lever, the serrations re-engage automatically. Should a rotation of 360° not be possible, the insert can be slightly screwed in (after the lever has been disengaged) by means of the slotted knurled screw.



Ordering Details: e.g.: Product No. 665 508 00, Adjustable Clamping Lever 119 St, 10 mm

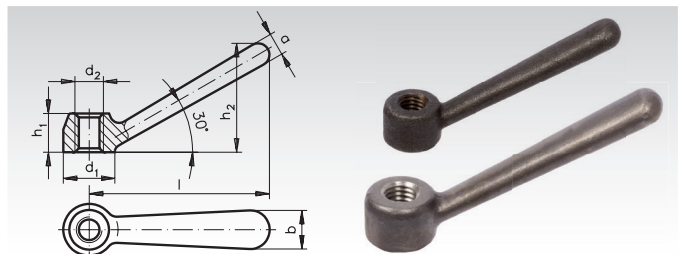
Product No. Version N	d ₁ mm	d ₂ mm	d ₄ mm	d ₅ mm	h ₁ mm	h ₂ mm	h ₃ mm	l ₂ mm	t mm	Weight g
665 508 00	10	M8	13,5	20	25	8	39,5	60	12	59
665 510 00	13	M10	16	25	29	8	49,5	76	15	118
665 512 00	16	M12	19	28	33,5	10,5	60,5	95	18	188

Clamp Nuts 202 Tg Made from Steel or Stainless Steel

Material Version N: Cast steel.

Material Stainless: Stainless steel 1.4308, matt finish blasted.

Deburred, contact surface machined. Simple and cost efficient clamping elements.



Ordering Details: e.g.: Product No. 665 308 00, Clamp Nut 202 Tg, version N, 16 mm

Product No. Version N	Product No. Stainless	d ₁ mm	d ₂ mm	a mm	b mm	h ₁ mm	h ₂ ca. mm	l ca. mm	Weight g
665 308 00	665 993 08	16	M8	7	12	12	34	56	30
665 310 00	665 993 10	20	M10	9	14	14	42,5	70	60
665 312 00	665 993 12	25	M12	11	18	18	53	87	125
665 316 00	665 993 16	32	M16	15	22	22	66,5	109	248
665 320 00	665 993 20	40	M20	18	28	28	84,5	140	419

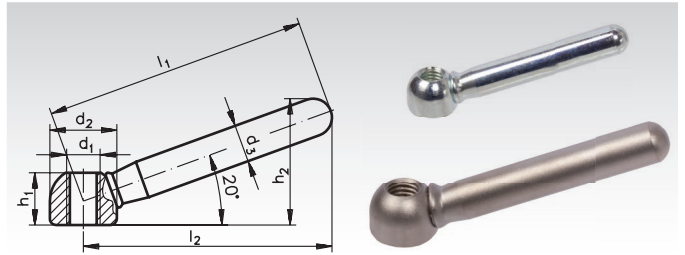
Cylindrical Clamp Nuts, Steel or Stainless Steel

Material: Steel zinc plated (glossy),
or stainless steel 1.4305, blasted, matt finish finish.



Shaft butt-welded on.

These clamp nuts are a modified version of the common ball knobs DIN 99. Material-saving design. Cost-efficient clamping element by rationalised production process.



Ordering Details: e.g.: Product No. 665 408 00, Cylindrical Clamp Nuts, Steel. M8

Product No. Steel	Product No. Stainless Steel	Length l_1 mm	d_1 mm	d_2 mm	d_3 mm	h_1 mm	h_2 mm	l_2 mm	Weight g
665 408 00	665 994 08	63	M8	16	9	12,5	30,5	60	39
665 410 00	665 994 10	80	M10	20	11	15	37	76	75
665 412 00	665 994 12	100	M12	25	14	19	46	95	147
665 416 00	665 994 16	125	M16	32	18	25	58,5	119	309
665 420 00	665 994 20	160	M20	40	20	31	73	152	526

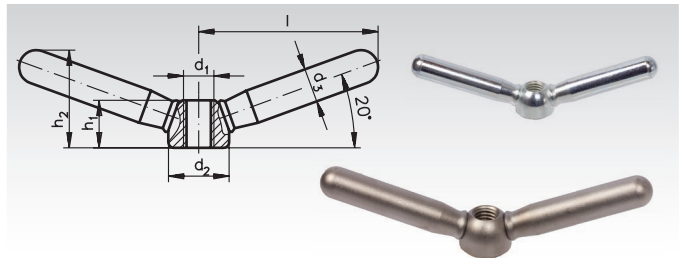
Clamping Nuts with Double Lever, Steel or Stainless Steel

Material: Steel zinc plated (glossy),
or stainless steel 1.4305, blasted, matt finish finish.



Shaft butt-welded on.

Material-saving design. Cost-efficient clamping element by rationalised production process.

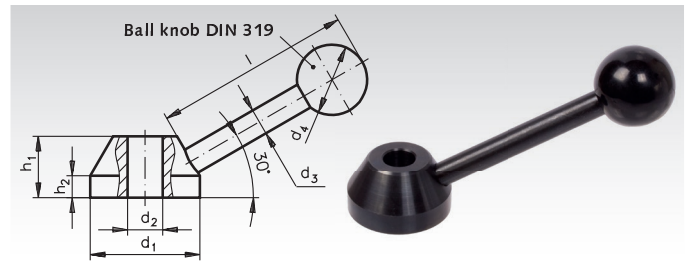


Ordering Details: e.g.: Product No. 665 458 00, Clamping Nut with Double lever, Steel. M8

Product No. Steel	Product No. Stainless Steel	l mm	d_1 mm	d_2 mm	d_3 mm	h_1 mm	h_2 mm	Weight g
665 458 00	665 994 58	47,5	M8	16	9	12,5	26	50
665 460 00	665 994 60	59,5	M10	20	11	15,0	32	100
665 462 00	665 994 62	75,5	M12	25	14	19,0	40	212
665 466 00	665 994 66	94,5	M16	32	18	25,0	52	435
665 470 00	665 994 70	118,0	M20	40	20	31,0	62	710

Control Levers 223 St

Material: Steel, precision turned and burnished.
Ball knob made from plastic.



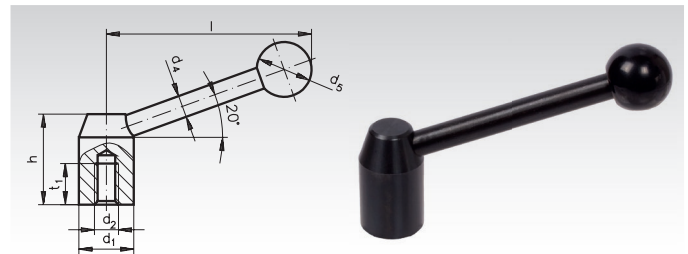
Ordering Details: e.g.: Product No. 666 132 00, Control Lever 223 St

Product No.	d ₁ mm	d ₂ ^{H7} mm	d ₃ mm	d ₄ mm	h ₁ mm	h ₂ mm	l mm	Weight g
666 132 00	32	10	8	20	18	6,5	62	103
666 140 00	40	12	10	30	22	8,5	95	214
666 152 00	52	16	14	40	28	11	136	503

Control Levers with Long Hub 2120 St

Material: Steel, precision turned and burnished.
Ball knob made from plastic.

Version E = lever slanted with thread.



Ordering Details: e.g.: Product No. 666 420 00, Control Lever 2120 St, Version E, 20 mm

Product No. Version E	d ₁ mm	d ₂ mm	d ₄ mm	d ₅ mm	h mm	l mm	t ₁ mm	Weight g
666 420 00	20	M8	8	20	33	70	15	94
666 422 00	22	M10	8	20	37	82	15	118
666 425 00	25	M12	10	25	42	96	18	182
666 428 00	28	M12	12	30	47	110	18	274
666 432 00	32	M16	12	32	52	124	23	352
666 436 00	36	M16	14	35	58	138	24	525
666 440 00	40	M20	16	40	64	152	27	709
666 445 00	45	M20	16	40	71	170	30	949



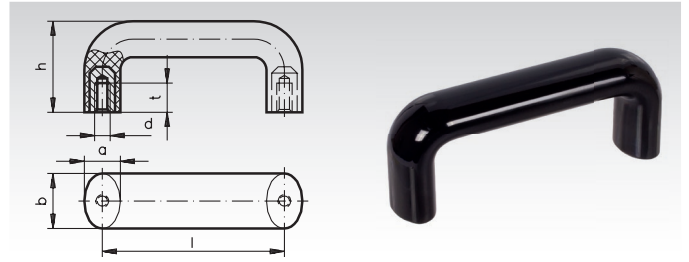
**Reworking within
24h-service possible.
Custom made parts
on request.**

Cabinet "U" Handles 525

Material: Plastic Duroplast PF31, black glossy finish, flash mark thoroughly polished.

A special feature is that the flash mark on this handle is not visible nor can it be felt. The large tube diameter and the brass threaded bush lead to an immense rigidity.

Temperature resistant up to 110°C.



Ordering Details: e.g.: Product No. 666 601 00, Cabinet "U" Handle 525, 86 mm

Product No.	Length l mm	a mm	b mm	d mm	h mm	t mm	Weight g
666 601 00	86±0,5	17	26	M6	43	12	85
666 602 00	117±0,5	20	30	M8	54	13	138
666 603 00	179±1	20	30	M8	62	13	185

Cabinet "U" Handles 725 Made from Polypropylene or Polyamide

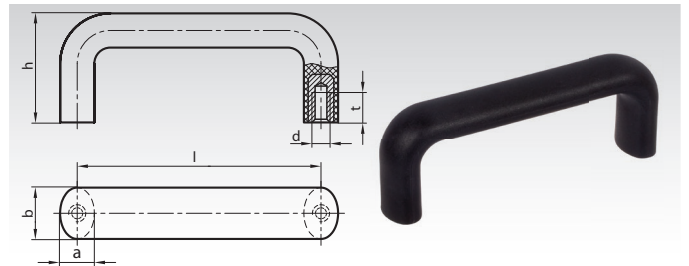
Material:

Version Plastic PP: Thermoplast Polypropylene, glass-fibre reinforced, black, matt.

Cost efficient. Temperature resistant up to 100°C.

Version Plastic PA HT: Thermoplast Polyamide, glass-fibre reinforced, black, matt.

Temperature resistant up to 200° C.



Ordering Details: e.g.: Product No. 666 601 01, Cabinet "U" Handle 725 PP, 86 mm

Product No. PP	Product No. PA HT	Length l mm	a mm	b mm	d mm	h mm	t mm	Weight g
666 601 01	666 602 01	86±0,5	14	23	M6	44	12	46
666 601 02	666 602 02	117±0,5	15	25	M6	49	12	69
666 601 03	666 602 03	117±0,5	15	25	M8	49	13	69
666 601 04	-	120±0,5	15	25	M8	49	13	74
666 601 05	-	132±0,5	16	26	M8	54	13	83
666 601 06	-	150±1	16	27	M8	56	13	95
666 601 07	666 602 07	179±1	16	27	M8	57	13	108
666 601 08	-	300±1	20	32	M10	64	17	205

Cabinet "U" Handles 528 Made from Polypropylene or Polyamide

Material:

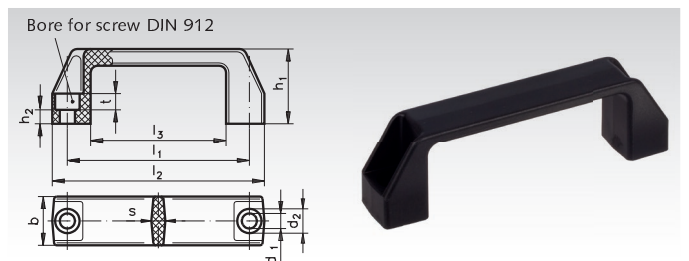
Version Plastic PP: Thermoplast Polypropylene, glass-fibre reinforced, black, matt.

Cost efficient. Temperature resistant up to 100°C.

Version Plastic PA: Thermoplast Polyamide, glass-fibre reinforced, black, matt.

Temperature resistant up to 150° C.

Cabinet handles 528 are mounted from the operating side with socket-head cap screws.

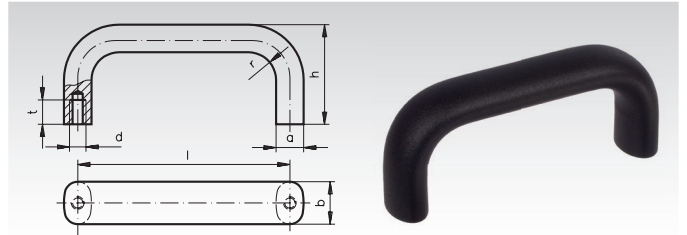


Ordering Details: e.g.: Product No. 666 540 00, Cabinet "U" Handle 528 PP, 94 mm

Product No. PP	Product No. PA	Length l ₁ mm	b mm	d ₁ mm	d ₂ mm	h ₁ mm	h ₂ mm	l ₂ mm	l ₃ mm	s mm	t mm	Weight g
666 540 00	666 530 00	94 ⁻¹	21	6,5	10,5	38	6	109	74	6	7,0	26
666 542 00	666 532 00	117±1	26	8,5	13,5	41	6,5	137	93	7	8,5	44
666 544 00	666 534 00	132±1	27	8,5	13,5	45	7,5	150	108	7	8,5	47
666 546 00	666 536 00	179±1	28	8,5	13,5	50	8,5	196	151	7,5	8,5	70
666 548 00	666 538 00	235±1	30	10,5	16,5	54	9,5	260	201	8,5	10,5	118

Cabinet "U" Handles 565

Material: Aluminium, plastic coated, matt finish black RAL 9011.
Made from drawn aluminium. Smooth surface and rigid design.

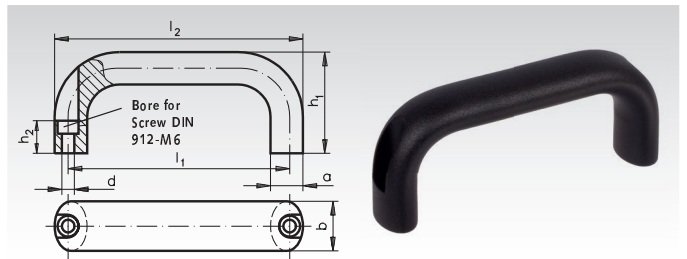


Ordering Details: e.g.: Product No. 666 633 00, Cabinet "U" Handle 565, 100 mm

Product No.	Length l mm	a mm	b mm	d mm	h mm	r mm	t mm	Weight g
666 633 00	100	13	20	M6	47	13	10	87
666 635 00	112	13	20	M6	49	13	10	97
666 637 00	128	13	20	M6	51	13	10	107
666 640 00	160	13	20	M6	51	13	10	127
666 645 00	112	17	26	M8	53	17	12	160
666 647 00	128	17	26	M8	55	17	12	183
666 649 00	160	17	26	M8	57	17	12	211
666 652 00	192	17	26	M8	57	17	12	245
666 656 00	300	17	26	M8	57	17	12	350
666 658 00	400	17	26	M8	57	17	12	445

Cabinet "U" Handles 565.1

Material: Aluminium plastic coated, matt finish, black RAL 9011.
Made from drawn aluminium. Smooth surface and rigid design.
To be mounted from the operating side.

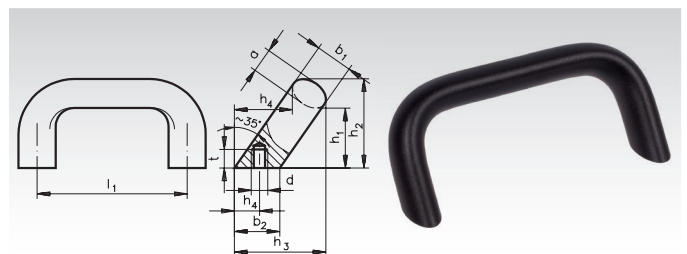


Ordering Details: e.g.: Product No. 666 660 00, Cabinet "U" Handle 565.1, 116 mm

Product No.	l ₁ mm	a mm	b mm	d mm	h ₁ mm	h ₂ mm	l ₂ mm	r mm	Weight g
666 660 00	116	17	26	6.4	55	17	130	17	147
666 662 00	132	17	26	6.4	55	17	146	17	163
666 664 00	164	17	26	6.4	57	17	178	17	197
666 666 00	196	17	26	6.4	57	17	210	17	229

Cabinet "U" Handles 565.2

Material: Aluminium, plastic coated, matt finish, black RAL 9011.
Made from drawn aluminium. Smooth surface and rigid design.
The angled contact surface allows improved access even in confined spaces such as corners. "tactile friendliness" by epoxy coating.

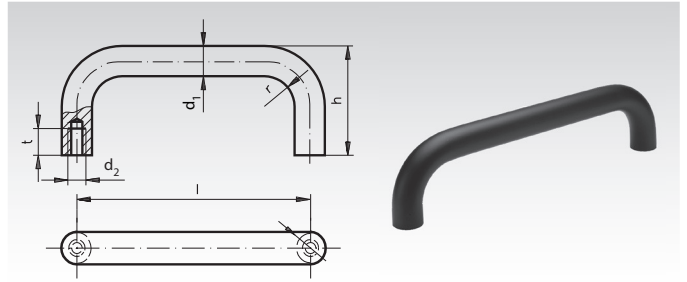


Ordering Details: e.g.: Product No. 666 860 00, Cabinet "U" Handle 565.2, 112 mm

Product No.	l ₁ mm	a mm	b ₁ mm	b ₂ mm	d mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ ⁺¹ mm	r mm	t mm	Weight g
666 860 00	112	13	20	24	M6	32	48	50	13.5	13	10	100
666 862 00	128	13	20	24	M6	32	48	50	13.5	13	10	112
666 864 00	128	17	26	32	M8	34	54	57	18	17	12	192
666 866 00	160	17	26	32	M8	34	54	57	18	17	12	225

Cabinet "U" Handles 426

Material: Aluminium plastic coated, matt finish black RAL 9005.
 Handles $d_1 = 20$ mm are drawn from aluminium extrusions.
 Handles $d_1 = 28$ mm are produced from aluminium tube with a wall thickness of 4 mm with threaded bush from aluminium.

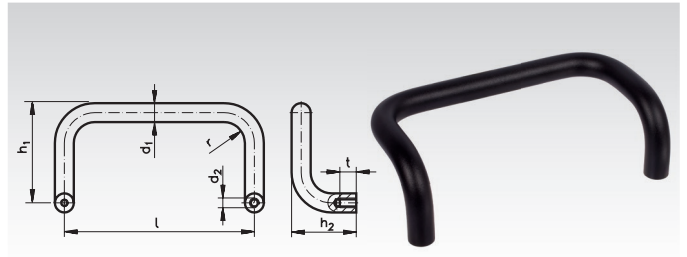


Ordering Details: e.g.: Product No. 666 669 01, Cabinet "U" Handle 426, 200 mm

Product No.	Length l mm	d_1 mm	d_2 mm	h mm	r mm	t_{min} mm	Weight g
666 669 01	200	20	M8	68	22	15	238
666 669 02	250	20	M8	68	22	15	280
666 669 03	300	20	M8	68	22	15	330
666 669 04	350	20	M8	68	22	15	375
666 669 05	250	28	M10	78	32	15	290
666 669 06	300	28	M10	78	32	15	330
666 669 07	350	28	M10	78	32	15	375
666 669 08	400	28	M10	78	32	15	415

Cabinet "U" Handles 426.1

Material: Aluminium plastic coated, matt finish black RAL 9005.
 Handles $d_1 = 20$ mm are drawn from aluminium extrusions.
 Handles $d_1 = 28$ mm are produced from aluminium tube with a wall thickness of 4 mm. Threaded bush aluminium.

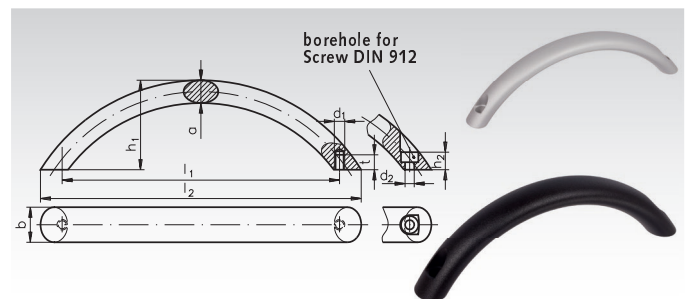


Ordering Details: e.g.: Product No. 666 670 00, Cabinet "U" Handle 426.1, 200 mm

Product No.	Length l mm	d_1 mm	d_2 mm	h_1 mm	h_2 mm	r mm	t mm	Weight g
666 670 00	200	20	M8	105	68	22	15	380
666 672 00	300	20	M8	105	68	22	15	475
666 674 00	250	28	M10	120	78	32	15	430
666 676 00	350	28	M10	120	78	32	15	505
666 678 00	500	28	M10	120	78	32	15	628

Arch Handles

Material: Aluminium, natural colour, anodized or plastic coated, matt finish black RAL 9005.
 These arched handles are noted for their elegant design.
 The well-proven elliptical profile has been used again.
Type A: Mounting from the back.
Type B: Mounting from the operating side.



Ordering Details: e.g.: Product No. 666 844 00, Arch Handle Aluminium

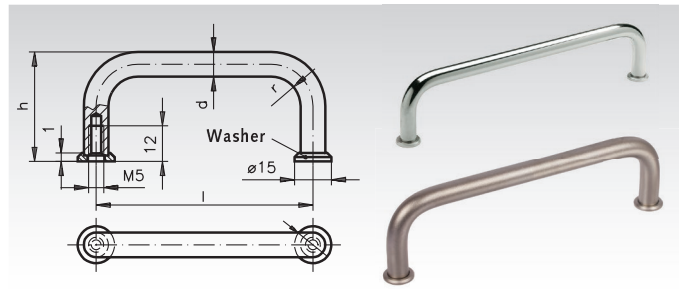
Product No. alu colour	Product No. black	Type	b mm	l_1 mm	l_2 ca. mm	a mm	d_1 mm	d_2 mm	h_1 mm	h_2 mm	t_{min} mm	Weight g
666 844 00	666 840 00	A	20	160	185	13	M6	-	51	-	8,5	106
666 845 00	666 841 00	A	20	192	221	13	M6	-	51	-	8,5	130
666 846 00	666 842 00	A	26	160	190	17	M8	-	57	-	12	116
666 847 00	666 843 00	A	26	192	227	17	M8	-	57	-	12	140
666 854 00	666 850 00	B	20	160	185	13	-	5,3	51	10	-	106
666 855 00	666 851 00	B	20	192	221	13	-	5,3	51	10	-	130
666 856 00	666 852 00	B	26	160	190	17	-	6,4	57	12	-	116
666 857 00	666 853 00	B	26	192	227	17	-	6,4	57	12	-	140

Cabinet "U" Handles 425 from Steel or Stainless Steel

Material: Version CR: Steel, chrome plated.
Washers zinc die-cast, nickel plated.

Version NI: Stainless steel 1.4305, blasted, matt finish. Washers stainless steel 1.4305.

Supplied with two washers. These discs guarantee perfect positioning even with large bores in the cabinet. The washers are loosely packed.



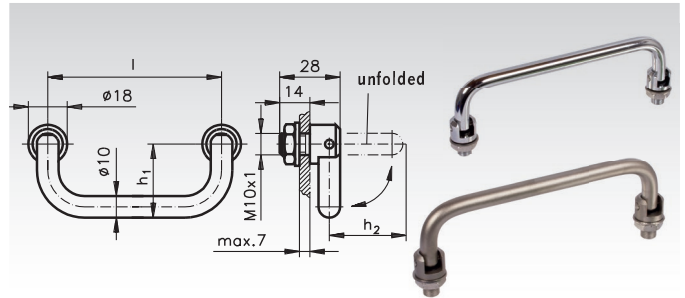
Ordering Details: e.g.: Product No. 666 612 00, Cabinet "U" Handle 425, CR, 88 mm

Product No. Version CR	Product No. Version NI	Length l mm	d mm	h mm	r mm	Weight g
666 612 00	666 996 12	88	10	42	12	89
666 614 00	666 996 14	100	10	42	12	96
666 616 00	666 996 16	120	10	42	12	108
666 619 00	666 996 19	180	10	42	12	148
666 621 00	666 996 21	200	10	42	12	160
666 623 00	666 996 23	235	10	42	12	181

Folding Handles Made from Steel or Stainless Steel

Material: Version CR: Steel, chrome plated.
Version NI: 1.4305, blasted, matt finish.

Mainly used in applications where the handle should not stick out, or where sticking out should be kept to a minimum. The handle is locked in both end positions by a spring-loaded pressure pin. Hexagon nuts and washers are included in the delivery.



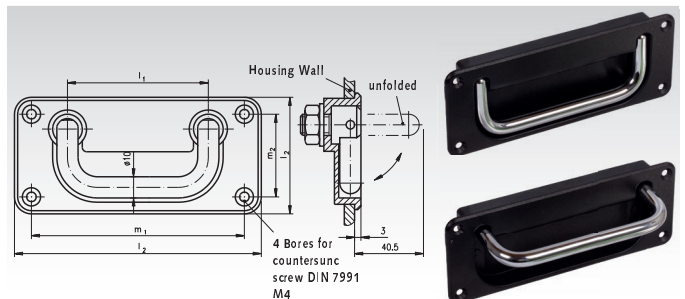
Ordering Details: e.g.: Product No. 666 680 00, Folding Handle, Steel, Chrome Plated

Product No. Version CR	Product No. Version NI	Length l mm	h ₁ mm	h ₂ mm	Weight g
666 680 00	666 996 80	100	34	44	150
666 682 00	666 996 82	120	34	44	161
666 688 00	666 996 88	180	34	44	195

Folding Handle with Recessed Tray 425.4

Material: Folding handle made from steel, chrome plated. Tray: Zinc die-cast, plastic coated, black.

Used in applications where the folded handle must not stick out, or where the sticking out must be max. 3 mm. In addition, screws M4 are sufficient for mounting the handle on the housing. Handle and folding mechanism are made from chrome-plated steel and the tray is made from zinc die-cast. This gives the folding handle additional strength (supplied as complete assembly).



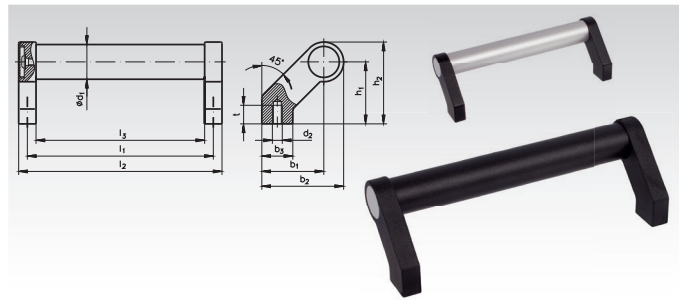
Ordering Details: e.g.: Product No. 666 550 00, Folding Handle with Recessed Tray

Product No.	Length l ₁ mm	l ₂ mm	l ₃ mm	m ₁ mm	m ₂ mm	Weight g
666 550 00	120	170	65	154	49	402

Tubular Handles 333, with Inclined Feet, Aluminium

Material: Grip tube $\varnothing 28\text{mm} \times 1.5\text{ mm}$ made from Aluminium. Either natural coloured anodised or black plastic coated RAL 9005 matt.
 Feet made from zinc die cast, black plastic coated RAL 9005 matt.
 High stability for small sizes. Tube either aluminium silver or black. Grip tube fixed against turning with screws on the face ends (screws below bright grey removable plastic caps).

Other sizes on request.



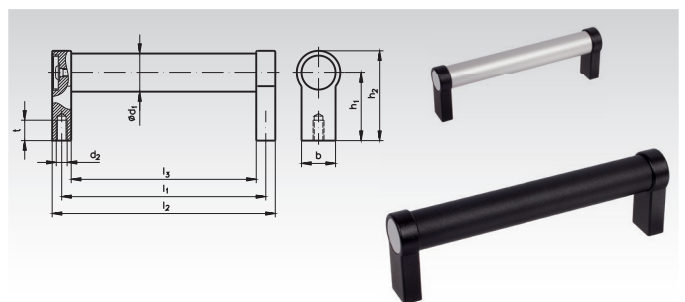
Ordering Details: e.g.: Product No. 666 505 02, Tubular handle 333, aluminium colour, length 200mm

Product No. alu colour	Product No. black	$l_1^{+0.5}$ mm	d_1 mm	d_2 mm	b_1 mm	b_2 mm	b_3 mm	h_1 mm	h_2 mm	l_2 mm	l_3 mm	$t_{\text{min.}}$ mm	Weight g
666 505 02	666 505 22	200	28	M8	50	66	25	50	66	214	186	15	432
666 505 04	666 505 24	250	28	M8	50	66	25	50	66	264	236	15	455
666 505 06	666 505 26	300	28	M8	50	66	25	50	66	314	286	15	470
666 505 08	666 505 28	400	28	M8	50	66	25	50	66	414	386	15	530
666 505 10	666 505 30	500	28	M8	50	66	25	50	66	514	486	15	575
666 505 12	666 505 32	600	28	M8	50	66	25	50	66	614	586	15	620

Tubular Handles 333.1, with Straight Feet, Aluminium

Material: Grip tube $\varnothing 20\text{mm} / \varnothing 28\text{mm} \times 1.5\text{mm}$ made from Aluminium. Either natural coloured anodised or black plastic coated RAL 9005 matt.
 Feet made from zinc die cast, black plastic coated RAL 9005 matt.
 High stability for small sizes. Tube either aluminium silver or black. Grip tube fixed against turning with screws on the face ends (screws below bright grey removable plastic caps).

Other sizes on request.



Ordering Details: e.g.: Product No. 666 505 02, Tubular handle 333.1, aluminium colour, length 180mm

Product No. alu colour	Product No. black	$l_1^{+0.2}$ mm	d_1 mm	d_2 mm	b mm	h_1 mm	h_2 mm	l_2 mm	l_3 mm	$t_{\text{min.}}$ mm	Weight g
666 505 42	666 505 72	180	20	M6	24	42	54	192	168	12	190
666 505 44	666 505 74	200	20	M6	24	42	54	212	188	12	200
666 505 46	666 505 76	250	20	M6	24	42	54	262	238	12	225
666 505 48	666 505 78	300	20	M6	24	42	54	312	288	12	250
666 505 50	666 505 80	400	20	M6	24	42	54	412	388	12	300
666 505 52	666 505 82	200	28	M8	25	50	66	214	186	15	340
666 505 54	666 505 84	250	28	M8	25	50	66	264	236	15	360
666 505 56	666 505 86	300	28	M8	25	50	66	314	286	15	380
666 505 58	666 505 88	400	28	M8	25	50	66	414	386	15	440
666 505 60	666 505 90	500	28	M8	25	50	66	514	486	15	480
666 505 62	666 505 92	600	28	M8	25	50	66	614	586	15	520

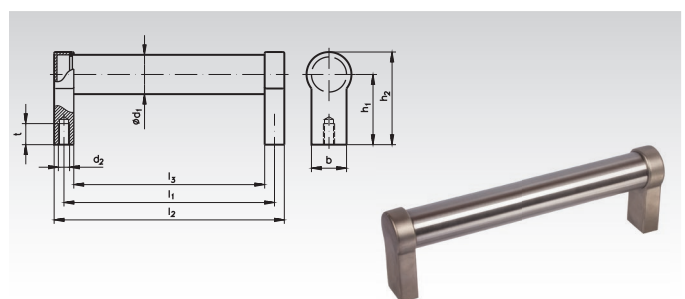
Tubular Handles 335, with Straight Feet, Stainless Steel

Material: Grip tube $\varnothing 28\text{mm} \times 2\text{ mm}$ made from Stainless Steel 1.4305, silk matt gloss, ground.
 Feet made from stainless steel, precision cast 1.4308, matt blasted.



Very high stability for small sizes.
 Connection between tube and foot is sealed against water spray.

Other sizes on request.

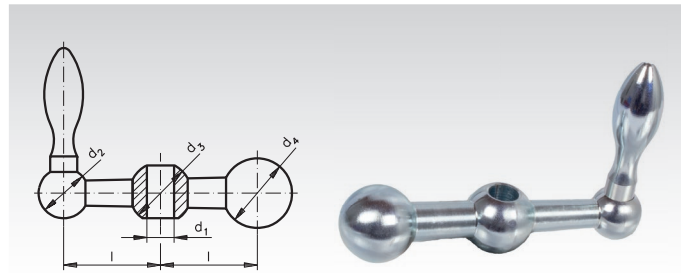


Ordering Details: e.g.: Product No. 666 995 52, Tubular handle 335, length 200 mm

Product No. stainless	l_1^{+1} mm	d_1 mm	d_2 mm	b mm	h_1 mm	h_2 mm	l_2 mm	l_3 mm	$t_{\text{min.}}$ mm	Weight g
666 995 52	200	28	M8	25	50	66	214	186	15	500
666 995 54	250	28	M8	25	50	66	264	236	15	565
666 995 56	300	28	M8	25	50	66	314	286	15	630
666 995 58	400	28	M8	25	50	66	414	386	15	760
666 995 60	500	28	M8	25	50	66	514	486	15	890
666 995 62	600	28	M8	25	50	66	614	586	15	1020

Tri-Ball Handles 2140

Material: Steel, zinc plated, with handle DIN 39.
With through hole d_1^{H7}

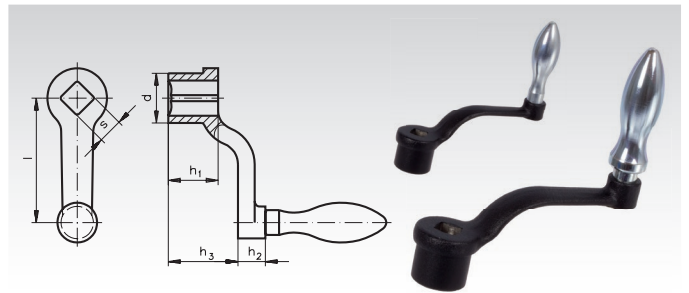


Ordering Details: e.g.: Product No. 667 425 00, Tri-Ball Handles 2140, Version A, 25 mm

Product No.	l mm	d_1^{H7} mm	d_2 mm	d_3 mm	d_4 mm	t_{min} mm	Handle-Ø mm	Weight g
667 425 00	25	7	13	16	18	11	10	60
667 434 00	34	8	16	20	22	15	14	136
667 441 00	41	10	18	23	25	17	16	194
667 450 00	50	12	20	26	28	19	18	283

Cranked Handles DIN 468 Tg

Material: Cast iron, plastic coated, black.
Handle made from Steel, zinc plated.
Hand cranks: Square hole reamed true to gauge.
Hub: Machined, cast iron burr precisely ground, sand blasted.
Version F = with fixed handle.
Version D = with revolving handle.

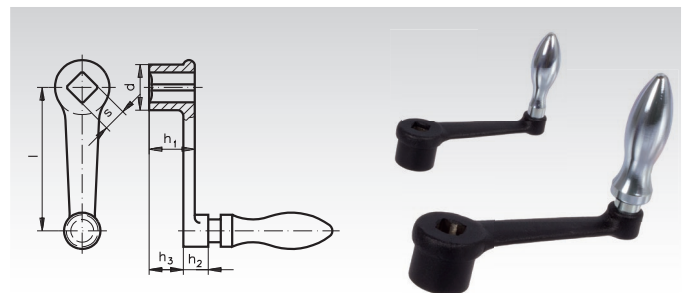


Ordering Details: e.g.: Product No. 668 008 00, Cranked Handle DIN 468 Tg, Version F, 80 mm

Product No. Version F	Product No. Version D	l mm	s^{H11} mm	d mm	h_1 mm	h_2 mm	h_3 mm	Grip- Ø mm	Weight Vers. F g	Weight Vers. D g
668 008 00	668 208 00	80	10	24	24	13	38	18	183	195
668 010 00	668 210 00	100	12	28	28	13	48	20	281	295
668 012 00	668 212 00	125	14	34	34	14	55	22	434	448
668 016 00	668 216 00	160	17	38	38	14	65	25	650	664
668 020 00	668 220 00	200	19	44	44	21	78	28	999	1022
668 025 00	668 225 00	250	22	48	48	21	90	32	1427	1435
668 031 00	668 231 00	315	24	54	54	26	105	36	2123	2168

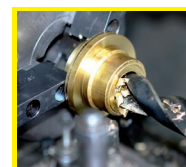
Cranked Handles DIN 469 Tg

Material: Cast iron, plastic coated, black.
Handle made from Steel, zinc plated.
Hand cranks: Square hole reamed true to gauge.
Hub: Machined, cast iron burr precisely ground, sand blasted.
Version F = with fixed handle.
Version D = with revolving handle.



Ordering Details: e.g.: Product No. 669 008 00, Cranked Handle DIN 469 Tg, Version F, 80 mm

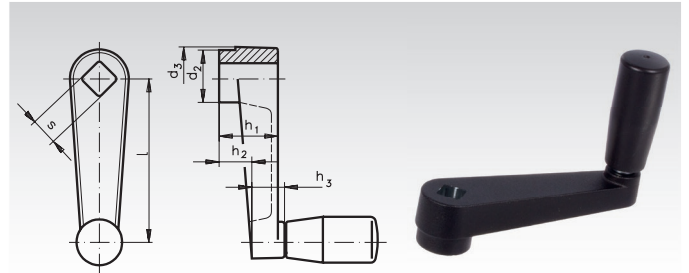
Product No. Version F	Product No. Version D	l mm	s^{H11} mm	d mm	h_1 mm	h_2 mm	h_3 mm	Grip- Ø mm	Weight Vers. F g	Weight Vers. D g
669 008 00	669 208 00	80	10	24	24	13	18	18	179	191
669 010 00	669 210 00	100	12	28	28	13	21	20	271	285
669 012 00	669 212 00	125	14	34	34	14	26	22	434	448
669 016 00	669 216 00	160	17	38	38	14	29	25	642	652
669 020 00	669 220 00	200	19	44	44	21	34	28	998	1021
669 025 00	669 225 00	250	22	48	48	21	36	32	1332	1340



**Reworking within
24h-service possible.
Custom made parts
on request.**

Cranked Handles 471

Material: Crank body made from aluminium.
Revolving cylindrical handle: Plastic black.
Modern design.



Ordering Details: e.g.: Product No. 667 306 00, Hand Crank 471, 64 mm

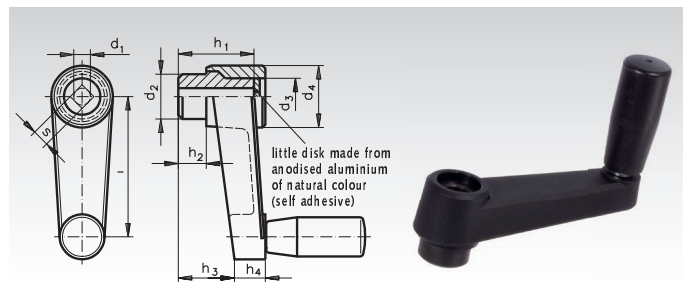
Product No.	l mm	s ^{H11} mm	d ₂ mm	d ₃ mm	h ₁ mm	h ₂ mm	h ₃ mm	Cyl. Grip-Ø mm	Weight g
667 306 00	64	10	19	22	20	11	12	18	97
667 308 00	80	10	23	26	24	14	14	21	166
667 310 00	100	12	27	30	28	17	15	23	251
667 312 00	125	14	32	35	34	22	18	26	270
667 316 00	160	17	35	39	38	26	18	26	313

Cranked Handles 569

Material: Plastic Thermoplast reinforced
Crank body made from plastic. Hub insert: steel, burnished, brass-threaded bush for screwing in the cylindrical handle.
Cylindrical handle made from black plastic and revolving. The protruding steel bush ensures an accurate bore and a flush fit of the bore face. It can be retained with a pin or a retaining screw.

Version B = with bore d₁^{H7}

Version V = with square bore s^{H11}

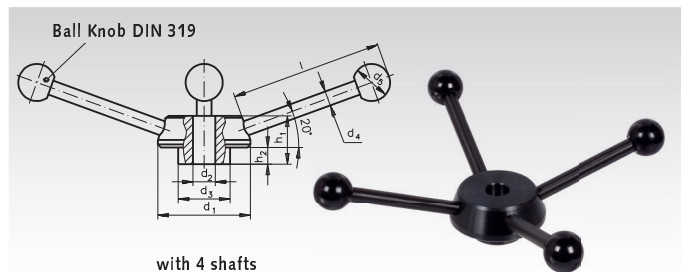


Ordering Details: e.g.: Product No. 667 106 00, Cranked Handles 569, Version B, 64 mm

Product No. Vers. B	Product No. Vers. V	l mm	d ₁ ^{H7} mm	s ^{H11} mm	d ₂ mm	d ₃ mm	d ₄ mm	h ₁ mm	h ₂ mm	h ₃ mm	h ₄ mm	Grip-Ø mm	Weight g (B)	Weight g (V)
667 106 00	667 206 00	64	10	10	18	16	27	29	10	33	10	18	88	63
667 108 00	667 208 00	80	10	10	22	17	30	32	10	36	13	21	132	103
667 110 00	667 210 00	100	12	12	24	21	34	37	10	40	15	23	220	185
667 113 00	667 213 00	130	14	14	28	24	40	44	14	49	20	26	320	260
667 116 00	667 216 00	160	16	17	34	27	45	49	15	55	23	28	442	370

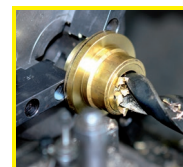
Turret Levers 2130 St

Material: Steel, precision turned and burnished.
Ball knobs made from plastic.



Ordering Details: e.g.: Product No. 666 512 00, Turret Lever 2130 St, 50 mm

Product No.	d ₁ mm	d ₂ ^{H7} mm	d ₃ mm	d ₄ mm	d ₅ mm	h ₁ mm	h ₂ mm	l mm	Weight g
666 512 00	50	12	28	8	20	26	9	82	382
666 514 00	55	14	30	10	25	28	10	96	544
666 515 00	60	15	32	10	25	30	11	96	633
666 516 00	65	16	35	12	30	32	12	110	848
666 518 00	72	18	40	12	32	36	14	124	1097
666 520 00	80	20	44	14	35	40	16	138	1531



**Reworking within
24h-service possible.
Custom made parts
on request.**