

11

Control elements

Hand wheels, star handles, star grips, clamping handles, and bow handles. Ball knobs. Wing screws and wing nuts.

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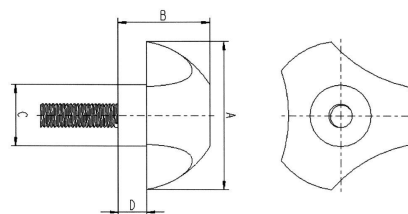
**HGC**

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Star knobs with threaded bolt

Application: hand wheels / star knobs
Material: polyamide / steel
Standard-Colour: black

HDB



Order No.	Handle Ø	Total height	Shaft Ø	Shaft height	Thread	Colour	PU*	MOQ**
	A	B	C	D				
767325010001000	25,0	16,0	12,0	5,0	M 4x15	black	100	-
767325020001000	25,0	16,0	12,0	5,0	M 5x18	black	100	500
767325030001000	25,0	16,0	12,0	5,0	M 6x20	black	100	500
767332010001000	32,0	20,0	15,0	6,0	M 6x10	black	100	500
767332020001000	32,0	20,0	15,0	6,0	M 6x20	black	100	100
767332030001000	32,0	20,0	15,0	6,0	M 6x30	black	100	-
767332040001000	32,0	20,0	15,0	6,0	M 8x27	black	100	-
767340010001000	40,0	25,0	17,0	8,0	M 6x15	black	100	-
767340020001000	40,0	25,0	17,0	8,0	M 6x20	black	100	-
767340030001000	40,0	25,0	17,0	8,0	M 6x30	black	100	-
767340040001000	40,0	25,0	17,0	8,0	M 6x40	black	100	-
767340050001000	40,0	25,0	17,0	8,0	M 8x20	black	100	-
767340060001000	40,0	25,0	17,0	8,0	M 8x33	black	50	100
767340070001000	40,0	25,0	17,0	8,0	M 8x47	black	50	100
767340080001000	40,0	25,0	17,0	8,0	M 10x20	black	50	100
767340090001000	40,0	25,0	17,0	8,0	M 10x33	black	50	100
767340100001000	40,0	25,0	17,0	8,0	M 10x44	black	75	-
767350010001000	50,0	31,0	19,0	9,0	M 8x15	black	50	100
767350020001000	50,0	31,0	19,0	9,0	M 8x27	black	50	100
767350030001000	50,0	31,0	19,0	9,0	M 8x40	black	50	100
767350040001000	50,0	31,0	19,0	9,0	M 10x33	black	50	100
767350050001000	50,0	31,0	19,0	9,0	M 10x50	black	50	-
767363010001000	63,0	39,0	26,0	12,0	M 10x33	black	25	100
767363020001000	63,0	39,0	26,0	12,0	M 12x40	black	25	100

Please note that the product illustrations are exemplary images that could deviate from the ordered/delivered products.

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*PU = Packaging Unit, SW = Spanner opening, n.w. = not detachable, o. K. = excl. The head, o. B. = excl. The collar, m. R. = with the radius, MOQ = Minimum Order Quantity.

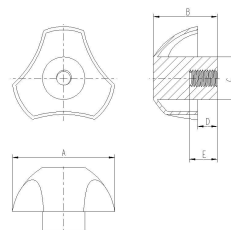
** MOQ: Parts with MOQ, set-up costs may apply.

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Star knobs with threaded bush

Application: hand wheels / star knobs
Material: polyamide / brass
Standard-Colour: black

HDG



Order No.	Handle Ø	Total height	Shaft Ø	Shaft height	Thread	Thread depth	Colour	PU*	MOQ**
	A	B	C	D		E			
089904010001000	25,0	16,0	12,0	5,0	M 4	8,0	black	100	200
089904020001000	25,0	16,0	12,0	5,0	M 5	9,0	black	100	200
089904030001000	25,0	16,0	12,0	5,0	M 6	10,0	black	100	200
089904040001000	32,0	20,0	15,0	6,0	M 5	9,0	black	100	200
089904050001000	32,0	20,0	15,0	6,0	M 6	10,0	black	100	200
089904060001000	40,0	25,0	17,0	8,0	M 6	10,0	black	75	225
089904070001000	40,0	25,0	17,0	8,0	M 8	14,0	black	75	225
089904080001000	40,0	25,0	17,0	8,0	M 10	17,0	black	75	225
089904090001000	50,0	31,0	19,0	9,0	M 8	14,0	black	50	100
089904100001000	50,0	31,0	19,0	9,0	M 10	17,0	black	50	100
089904110001000	63,0	39,0	26,0	12,0	M 10	17,0	black	50	100

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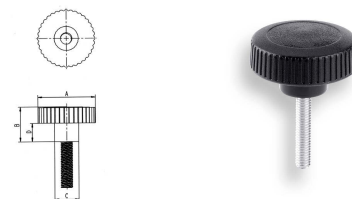
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Hand wheels with threaded bolt

HRB

Application: hand wheels / star knobs
 Material: polyamide / steel
 Standard-Colour: black



Order No.	Handle Ø	Height	Shaft Ø	Shaft height	Thread	Colour	PU*	MOQ**
	A	B	C	D				
767222010001000	22,0	15,0	13,0	5,0	M 5x10	black	500	-
767222060001000	22,0	15,0	13,0	5,0	M 6x10	black	500	-
767222070001000	22,0	15,0	13,0	5,0	M 6x15	black	500	-
767222080001000	22,0	15,0	13,0	5,0	M 6x20	black	500	-
767222090001000	22,0	15,0	13,0	5,0	M 6x25	black	500	-
767222100001000	22,0	15,0	13,0	5,0	M 6x30	black	500	-
767230020001000	30,0	17,0	15,0	6,0	M 5x15	black	500	-
767230030001000	30,0	17,0	15,0	6,0	M 5x20	black	500	-
767230040001000	30,0	17,0	15,0	6,0	M 5x25	black	500	-
767230080001000	30,0	17,0	15,0	6,0	M 6x20	black	500	-
767230100001000	30,0	17,0	15,0	6,0	M 6x30	black	250	-
767230120001000	30,0	17,0	15,0	6,0	M 6x40	black	250	-
767230130001000	30,0	17,0	15,0	6,0	M 8x15	black	500	-
767230160001000	30,0	17,0	15,0	6,0	M 8x30	black	250	-
767230170001000	30,0	17,0	15,0	6,0	M 8x35	black	250	-
767240030001000	40,0	22,0	19,0	9,0	M 6x20	black	250	-
767240040001000	40,0	22,0	19,0	9,0	M 6x25	black	250	-
767240080001000	40,0	22,0	19,0	9,0	M 8x20	black	250	-
767240110001000	40,0	22,0	19,0	9,0	M 8x35	black	100	-
767250010001000	50,0	30,0	21,0	16,0	M 8x15	black	100	-
767250060001000	50,0	30,0	21,0	16,0	M 8x40	black	100	-
767250070001000	50,0	30,0	21,0	16,0	M 10x15	black	100	-
767250100001000	50,0	30,0	21,0	16,0	M 10x30	black	100	-
767250110001000	50,0	30,0	21,0	16,0	M 10x35	black	100	-

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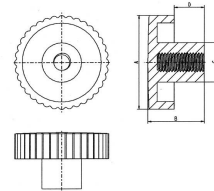
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Hand wheels with threaded bush

Application: hand wheels / star knobs
Material: polyamide/brass
Standard-Colour: black

HRM



Order No.	Handle Ø	Height	Shaft Ø	Shaft height	Thread	Colour	PU*	MOQ**
	A	B	C	D				
089903010001000	22,0	15,0	13,0	5,0	M 4	black	500	500
089903020001000	22,0	15,0	13,0	5,0	M 5	black	500	500
089903030001000	22,0	15,0	13,0	5,0	M 6	black	500	500
089903050001000	30,0	17,0	15,0	6,0	M 6	black	500	500
089903060001000	30,0	17,0	15,0	6,0	M 8	black	500	500
089903070001000	40,0	22,0	19,0	9,0	M 6	black	250	250
089903080001000	40,0	22,0	19,0	9,0	M 8	black	250	250

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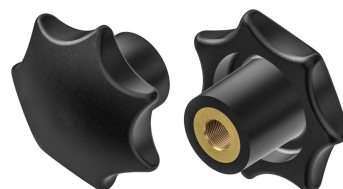
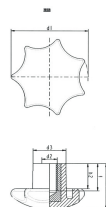
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Star knobs with brass threaded bush

HSB

Application: hand wheels / star knobs
Material: polyamide
Standard-Colour: black



Order No.	Handle Ø	Thread Ø	Shaft Ø	Total length	Shaft height	Thread depth	Colour	PU*	MOQ**
	d1	d2	d3	h1	h2	t			
AR3020M6S0001000	Ø 30	M 6	15	20	10	10	black	250	250
AR4023M5S0001000	Ø 40	M 5	16	23	11	12	black	250	-
AR4023M6S0001000	Ø 40	M 6	16	23	11	12	black	250	250
AR4023M8S0001000	Ø 40	M 8	16	23	11	12	black	250	250
AR5032M6S0001000	Ø 50	M 6	21	32	19	12	black	100	-
AR5032M10S0001000	Ø 50	M 10	21	32	19	20	black	100	-
AR6040M8S0001000	Ø 60	M 8	24	40	20	24	black	250	250
AR6040M10S0001000	Ø 60	M 10	24	40	20	24	black	250	250
AR8047M16S0001000	Ø 80	M 16	34	47	26	24	black	50	-

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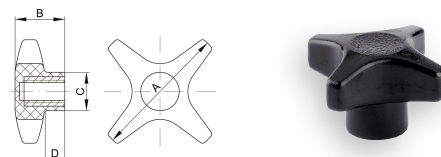
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Hand knobs with threades bush

Application: hand wheels / star knobs
Material: polyamide / brass
Standard-Colour: black

HSM



Order No.	Handle Ø	Height	Thread	Shaft Ø	Shaft height	Colour	PU*	MOQ**
	A	B		C	D			
089906020001000	40,0	22,0	M 6	16,0	9,0	black	500	500
089906030001000	40,0	22,0	M 8	16,0	9,0	black	500	500
089906040001000	60,0	22,0	M 5	17,0	9,0	black	250	250
089906060001000	60,0	22,0	M 8	17,0	9,0	black	250	250
089906070001000	60,0	22,0	M 10	17,0	9,0	black	250	250

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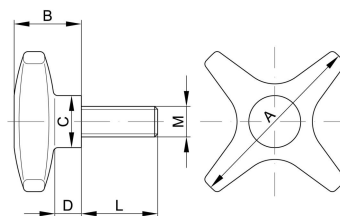
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Hand knobs with threads bolt

Application: hand wheels / star knobs
Material: polyamide / steel
Standard-Colour: black

HSS



Order No.	Handle Ø	Height	Thread	Shaft Ø	Shaft height	Colour	PU*	MOQ**
	A	B		C	D			
767440020001000	40,0	22,0	M 5 x 15	16,0	9,0	black	250	-
767440050001000	40,0	22,0	M 5 x 30	16,0	9,0	black	250	-
767440070001000	40,0	22,0	M 6 x 15	16,0	9,0	black	250	-
767440080001000	40,0	22,0	M 6 x 20	16,0	9,0	black	250	-
767440090001000	40,0	22,0	M 6 x 25	16,0	9,0	black	250	-
767440130001000	40,0	22,0	M 8 x 15	16,0	9,0	black	250	-
767440140001000	40,0	22,0	M 8 x 20	16,0	9,0	black	250	-
767440150001000	40,0	22,0	M 8 x 25	16,0	9,0	black	250	-
767440170001000	40,0	22,0	M 8 x 35	16,0	9,0	black	250	-
767440180001000	40,0	22,0	M 8 x 40	16,0	9,0	black	250	-
767460010001000	60,0	22,0	M 5 x 15	17,0	9,0	black	250	-
767460020001000	60,0	22,0	M 6 x 10	17,0	9,0	black	250	-
767460030001000	60,0	22,0	M 6 x 15	17,0	9,0	black	250	-
767460040001000	60,0	22,0	M 6 x 20	17,0	9,0	black	250	-
767460050001000	60,0	22,0	M 6 x 25	17,0	9,0	black	250	-
767460060001000	60,0	22,0	M 6 x 30	17,0	9,0	black	250	-
767460070001000	60,0	22,0	M 6 x 35	17,0	9,0	black	250	-
767460100001000	60,0	22,0	M 8 x 20	17,0	9,0	black	250	-
767460110001000	60,0	22,0	M 8 x 25	17,0	9,0	black	250	-
767460160001000	60,0	22,0	M 10 x 20	17,0	9,0	black	250	-
767460180001000	60,0	22,0	M 10 x 30	17,0	9,0	black	100	-

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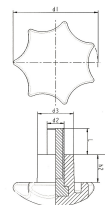
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Star knobs with threaded bolt

HST

Application: hand wheels / star knobs
 Material: polyamide
 Standard-Colour: black



Order No.	Handle Ø	Thread Ø	Shaft Ø	Total length	Shaft height	Colour	PU*	MOQ**
	d1	d2 x L	d3	h1	h2			
AR2516M410S0001000	Ø 25	M 4x10	13	16	8	black	250	-
AR2516M510S0001000	Ø 25	M 5x10	13	16	8	black	500	-
AR2516M515S0001000	Ø 25	M 5x15	13	16	8	black	500	500
AR2516M520S0001000	Ø 25	M 5x20	13	16	8	black	500	-
AR2516M540S0001000	Ø 25	M 5x40	13	16	8	black	250	-
AR2516M550S0001000	Ø 25	M 5x50	13	16	8	black	500	-
AR2516M610S0001000	Ø 25	M 6x10	13	16	8	black	500	-
AR2516M630S0001000	Ø 25	M 6x30	13	16	8	black	250	250
AR2516M645S0001000	Ø 25	M 6x45	13	16	8	black	500	500
AR2516M650S0001000	Ø 25	M 6x50	13	16	8	black	250	500
AR2516M660S0001000	Ø 25	M 6x60	13	16	8	black	250	500
AR3020M510S0001000	Ø 30	M 5x10	15	20	10	black	100	-
AR3020M515S0001000	Ø 30	M 5x15	15	20	10	black	100	-
AR3020M520S0001000	Ø 30	M 5x20	15	20	10	black	250	-
AR3020M525S0001000	Ø 30	M 5x25	15	20	10	black	250	-
AR3020M545S0001000	Ø 30	M 5x45	15	20	10	black	100	-
AR3020M610S0001000	Ø 30	M 6x10	15	20	10	black	250	-
AR3020M615S0001000	Ø 30	M 6x15	15	20	10	black	500	500
AR3020M620S0001000	Ø 30	M 6x20	15	20	10	black	500	500
AR3020M625S0001000	Ø 30	M 6x25	15	20	10	black	250	-
AR3020M630S0001000	Ø 30	M 6x30	15	20	10	black	250	-
AR3020M635S0001000	Ø 30	M 6x35	15	20	10	black	250	-
AR3020M645S0001000	Ø 30	M 6x45	15	20	10	black	250	250
AR3020M650S0001000	Ø 30	M 6x50	15	20	10	black	250	-
AR3020M660S0001000	Ø 30	M 6x60	15	20	10	black	250	-
AR3020M670S0001000	Ø 30	M 6x70	15	20	10	black	250	-
AR3020M815S0001000	Ø 30	M 8x15	15	20	10	black	250	250
AR3020M835S0001000	Ø 30	M 8x35	15	20	10	black	250	-
AR3020M860S0001000	Ø 30	M 8x60	15	20	10	black	250	-
AR4023M510S0001000	Ø 40	M 5x10	16	23	11	black	100	-
AR4023M520S0001000	Ø 40	M 5x20	16	23	11	black	250	-

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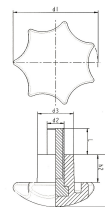
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Star knobs with threaded bolt

Application: hand wheels / star knobs
Material: polyamide
Standard-Colour: black

HST


Order No.	Handle Ø	Thread Ø	Shaft Ø	Total length	Shaft height	Colour	PU*	MOQ**
	d1	d2 x L	d3	h1	h2			
AR4023M610S0001000	Ø 40	M 6x10	16	23	11	black	250	-
AR4023M620S0001000	Ø 40	M 6x20	16	23	11	black	250	-
AR4023M625S0001000	Ø 40	M 6x25	16	23	11	black	250	-
AR4023M635S0001000	Ø 40	M 6x35	16	23	11	black	100	-
AR4023M640S0001000	Ø 40	M 6x40	16	23	11	black	250	-
AR4023M650S0001000	Ø 40	M 6x50	16	23	11	black	250	-
AR4023M660S0001000	Ø 40	M 6x60	16	23	11	black	250	-
AR4023M810S0001000	Ø 40	M 8x10	16	23	11	black	250	-
AR4023M820S0001000	Ø 40	M 8x20	16	23	11	black	250	-
AR4023M825S0001000	Ø 40	M 8x25	16	23	11	black	250	-
AR4023M830S0001000	Ø 40	M 8x30	16	23	11	black	250	-
AR4023M835S0001000	Ø 40	M 8x35	16	23	11	black	250	-
AR4023M850S0001000	Ø 40	M 8x50	16	23	11	black	250	-
AR4023M855S0001000	Ø 40	M 8x50	16	23	11	black	250	-
AR4023M860S0001000	Ø 40	M 8x60	16	23	11	black	250	-
AR4023M870S0001000	Ø 40	M 8x70	16	23	11	black	250	-
AR4023M880S0001000	Ø 40	M 8x80	16	23	11	black	100	-
AR4023M895S0001000	Ø 40	M 8x95	16	23	11	black	100	-
AR4023M8110S0001000	Ø 40	M 8x110	16	23	11	black	50	-
AR5032M620S0001000	Ø 50	M 6x20	21	32	19	black	250	-
AR5032M635S0001000	Ø 50	M 6x35	21	32	19	black	250	-
AR5032M640S0001000	Ø 50	M 6x40	21	32	19	black	250	-
AR5032M650S0001000	Ø 50	M 6x50	21	32	19	black	100	-
AR5032M660S0001000	Ø 50	M 6x60	21	32	19	black	250	-
AR5032M810S0001000	Ø 50	M 8x10	21	32	19	black	250	-
AR5032M815S0001000	Ø 50	M 8x15	21	32	19	black	250	-
AR5032M830S0001000	Ø 50	M 8x30	21	32	19	black	100	-
AR5032M835S0001000	Ø 50	M 8x35	21	32	19	black	250	-
AR5032M840S0001000	Ø 50	M 8x40	21	32	19	black	250	-
AR5032M845S0001000	Ø 50	M 8x45	21	32	19	black	250	-
AR5032M860S0001000	Ø 50	M 8x60	21	32	19	black	100	250

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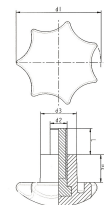
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Star knobs with threaded bolt

HST

Application: hand wheels / star knobs
 Material: polyamide
 Standard-Colour: black



Order No.	Handle Ø	Thread Ø	Shaft Ø	Total length	Shaft height	Colour	PU*	MOQ**
	d1	d2 x L	d3	h1	h2			
AR5032M870S0001000	Ø 50	M 8x70	21	32	19	black	50	-
AR5032M875S0001000	Ø 50	M 8x75	21	32	19	black	50	-
AR5032M890S0001000	Ø 50	M 8x90	21	32	19	black	200	-
AR5032M8100S0001000	Ø 50	M 8x100	21	32	19	black	200	200
AR5032M8120S0001000	Ø 50	M 8x120	21	32	19	black	200	200
AR5032M1025S0001000	Ø 50	M 10x25	21	32	19	black	100	-
AR5032M1030S0001000	Ø 50	M 10x30	21	32	19	black	100	-
AR5032M1045S0001000	Ø 50	M 10x45	21	32	19	black	100	-
AR5032M1050S0001000	Ø 50	M 10x50	21	32	19	black	100	-
AR5032M1060S0001000	Ø 50	M 10x60	21	32	19	black	100	-
AR5032M1080S0001000	Ø 50	M 10x80	21	32	19	black	100	-
AR6040M815S0001000	Ø 60	M 8x15	24	40	20	black	250	250
AR6040M820S0001000	Ø 60	M 8x20	24	40	20	black	50	50
AR6040M830S0001000	Ø 60	M 8x30	24	40	20	black	200	200
AR6040M845S0001000	Ø 60	M 8x45	24	40	20	black	200	200
AR6040M865S0001000	Ø 60	M 8x65	24	40	20	black	200	-
AR6040M8120S0001000	Ø 60	M 8x120	24	40	20	black	50	-
AR6040M1016S0001000	Ø 60	M 10x16	24	40	20	black	100	-
AR6040M1020S0001000	Ø 60	M 10x20	24	40	20	black	100	-
AR6040M1025S0001000	Ø 60	M 10x25	24	40	20	black	100	-
AR6040M1030S0001000	Ø 60	M 10x30	24	40	20	black	100	-
AR6040M1035S0001000	Ø 60	M 10x35	24	40	20	black	100	-
AR6040M1040S0001000	Ø 60	M 10x40	24	40	20	black	100	-
AR6040M1045S0001000	Ø 60	M 10x45	24	40	20	black	100	-
AR6040M1060S0001000	Ø 60	M 10x60	24	40	20	black	100	-
AR6040M1215S0001000	Ø 60	M 12x15	24	40	20	black	50	-
AR6040M1230S0001000	Ø 60	M 12x30	24	40	20	black	50	-
AR6040M1235S0001000	Ø 60	M 12x35	24	40	20	black	50	-
AR6040M1260S0001000	Ø 60	M 12x60	24	40	20	black	50	-
AR8049M820S0001000	Ø 80	M 8x20	34	49	26	black	50	-
AR8049M825S0001000	Ø 80	M 8x25	34	49	26	black	50	-

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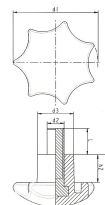
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Star knobs with threaded bolt

Application: hand wheels / star knobs
Material: polyamide
Standard-Colour: black

HST



Order No.	Handle Ø	Thread Ø	Shaft Ø	Total length	Shaft height	Colour	PU*	MOQ**
	d1	d2 x L	d3	h1	h2			
AR8049M1030S0001000	Ø 80	M 10x30	34	49	26	black	25	-
AR8049M1050S0001000	Ø 80	M 10x50	34	49	26	black	50	-
AR8049M1240S0001000	Ø 80	M 12x40	34	49	26	black	50	-
AR8049M1250S0001000	Ø 80	M 12x50	34	49	26	black	50	-
AR8049M1260S0001000						black	50	-
AR8049M1290S0001000	Ø 80	M 12x90	34	49	26	black	50	-
AR8049M1615S0001000	Ø 80	M 16x15	34	49	26	black	50	-
AR8049M1640S0001000	Ø 80	M 16x40	34	49	26	black	25	50
AR8049M1650S0001000	Ø 80	M 16x50	34	49	26	black	50	-

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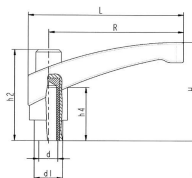
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Clamping handles with threaded bolt

HKB

Application: clamping handles
Material: polyamide
Standard-Colour: black



Order No.	Length	Threaded bolt	Shaft Ø	Total length	Height	Height	Height	Colour	PU*	MOQ**
	R	d x e	d1	L	h1	H	h4			
ALSS43M510S0001000	43	M 5x10	13	51	33	37	23	black	50	-
ALSS43M520S0001000	43	M 5x20	13	51	33	37	23	black	50	-
ALSS43M615S0001000	43	M 6x15	13	51	33	37	23	black	50	-
ALSS43M625S0001000	43	M 6x25	13	51	33	37	23	black	50	-
ALSS43M640S0001000	43	M 6x40	13	51	33	37	23	black	50	-
ALSS65M615S0001000	65	M 6x15	16	75	41	50	26	black	50	-
ALSS65M620S0001000	65	M 6x20	16	75	41	50	26	black	50	-
ALSS65M630S0001000	65	M 6x30	16	75	41	50	26	black	50	-
ALSS65M640S0001000	65	M 6x40	16	75	41	50	26	black	50	-
ALSS65M820S0001000	65	M 8x20	16	75	41	50	26	black	50	-
ALSS65M833S0001000	65	M 8x33	16	75	41	50	26	black	50	-
ALSS65M847S0001000	65	M 8x47	16	75	40	50	26	black	50	-
ALSS65M1020S0001000	65	M 10x20	16	75	41	50	26	black	50	-
ALSS65M1030S0001000	65	M 10x30	16	75	41	50	26	black	50	-
ALSS65M1040S0001000	65	M 10x40	16	75	41	50	26	black	50	-
ALSS85M820S0001000	85	M 8x20	18	98	52	65	34	black	25	-
ALSS85M833S0001000	85	M 8x33	18	98	52	65	34	black	25	-
ALSS85M847S0001000	85	M 8x47	18	98	52	65	34	black	25	-
ALSS85M1020S0001000	85	M 10x20	18	98	52	65	34	black	25	-
ALSS85M1030S0001000	85	M 10x30	18	98	52	65	34	black	25	-
ALSS85M1040S0001000	85	M 10x40	18	98	52	65	34	black	25	-
ALSS85M1230S0001000	85	M 12x30	18	98	52	65	34	black	25	-
ALSS85M1240S0001000	85	M 12x40	18	98	52	65	34	black	25	-
ALSS85M1260S0001000	85	M 12x60	18	98	52	65	34	black	25	-

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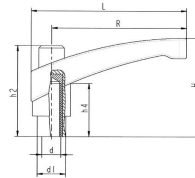
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Clamping handles with brass threaded bush

HKI

Application: clamping handles
 Material: polyamide
 Standard-Colour: black



Order No.	Length	Thread Ø	Shaft Ø	Total length	Height	Total height	Height	Colour	PU*	MOQ**
	R	d	d1	L	h2	H	h4			
ALSS43M4S0001000	43	M 4	13	51	33	37	23	black	50	50
ALSS43M5S0001000	43	M 5	13	51	33	37	23	black	50	50
ALSS43M6S0001000	43	M 6	13	51	33	37	23	black	50	50
ALSS65M6S0001000	65	M 6	16	75	41	50	26	black	50	-
ALSS65M8S0001000	65	M 8	16	75	41	50	26	black	50	50
ALSS65M10S0001000	65	M 10	16	75	41	50	26	black	50	50
ALSS85M8S0001000	85	M 8	18	98	52	65	34	black	25	25
ALSS85M10S0001000	85	M 10	18	98	52	65	34	black	25	25
ALSS85M12S0001000	85	M 12	18	98	52	65	34	black	25	25

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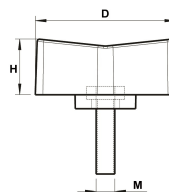
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Wing screws

Application: wing screws / wing nuts
Material: polyamide / steel
Standard-Colour: black

HMC



Order No.	Wing Ø	Wing height	Threaded bolt	Colour	PU*	MOQ**
	D	H	M			
IFI040120001000	30,0	12,0	M 4 x 12/13	black	1000	1000
IFI050100001000	30,0	12,0	M 5 x 10	black	1000	1000
IFI050150001000	30,0	12,0	M 5 x 15	black	1000	1000
IFI050190001000	30,0	12,0	M 5 x 19	black	1000	1000
IFI050240001000	30,0	12,0	M 5 x 24	black	1000	1000
IFI050290001000	30,0	12,0	M 5 x 29	black	1000	1000
IFI050340001000	30,0	12,0	M 5 x 34	black	1000	1000
IFI050390001000	30,0	12,0	M 5 x 39	black	1000	1000
IFI050490001000	30,0	12,0	M 5 x 49	black	1000	1000
IFI060100001000	30,0	12,0	M 6 x 10	black	1000	1000
IFI060120001000	30,0	12,0	M 6 x 12	black	1000	1000
IFI060140001000	30,0	12,0	M 6 x 14	black	1000	1000
IFI060160001000	30,0	12,0	M 6 x 16	black	1000	1000
IFI060200001000	30,0	12,0	M 6 x 20	black	1000	1000
IFI060230001000	30,0	12,0	M 6 x 23	black	1000	1000
IFI060280001000	30,0	12,0	M 6 x 28	black	1000	1000
IFI060330001000	30,0	12,0	M 6 x 33	black	1000	1000
IFI060380001000	30,0	12,0	M 6 x 38	black	1000	1000
IFI060430001000	30,0	12,0	M 6 x 43	black	1000	1000
IFI060480001000	30,0	12,0	M 6 x 48	black	1000	1000
IFI060530001000	30,0	12,0	M 6 x 53	black	1000	1000
IFI060580001000	30,0	12,0	M 6 x 58	black	1000	1000

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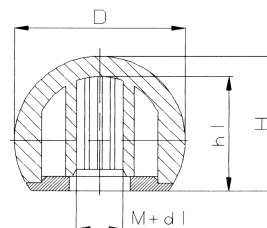
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Ball knobs with cover disk

SKA

Application: balls
Material: acrylonitrile butadiene styrene
Standard-Colour: black

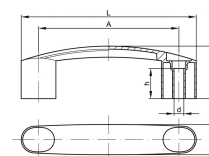


Order No.	Diameter	With thread	With hole	Depth	Height	Colour	PU*	MOQ**
		M	d1	h1	H			
870616260001000	Ø 20	M 5		15,5	18,0	black	2000	2000
870616130001000	Ø 20	M 6		15,5	18,0	black	2000	2000
870616140001000	Ø 20	M 8		15,5	18,0	black	2000	2000
870616160001000	Ø 20	M 10		15,5	18,0	black	2000	2000
870616250001000	Ø 20	-	Ø 5	15,5	18,0	black	2000	2000
870616110001000	Ø 20	-	Ø 6	15,5	18,0	black	2000	2000
870616120001000	Ø 20	-	Ø 8	15,5	18,0	black	2000	2000
870616150001000	Ø 20	-	Ø 10	15,5	18,0	black	2000	-
870616010001000	Ø 25	M 6	-	20,0	22,5	black	1000	-
870616020001000	Ø 25	M 8	-	20,0	22,5	black	500	-
870616180001000	Ø 25	M 10	-	20,0	22,5	black	2000	2000
870615990001000	Ø 25	-	Ø 6	20,0	22,5	black	2000	2000
870616000001000	Ø 25	-	Ø 8	20,0	22,5	black	2000	-
870616170001000	Ø 25	-	Ø 10	20,0	22,5	black	2000	2000
870616050001000	Ø 32	M 6	-	26,5	29,0	black	1000	2000
870616060001000	Ø 32	M 8	-	26,5	29,0	black	1000	-
870616200001000	Ø 32	M 10	-	26,5	29,0	black	500	-
870616300001000	Ø 32	M 12	-	26,5	29,0	black	1000	2000
870616030001000	Ø 32	-	Ø 6	26,5	29,0	black	1000	2000
870616040001000	Ø 32	-	Ø 8	26,5	29,0	black	1000	2000
870616190001000	Ø 32	-	Ø 10	26,5	29,0	black	1000	2000
870616290001000	Ø 32	-	Ø 12	26,5	29,0	black	1000	2000
870616220001000	Ø 40	M 6	-	34,5	37,0	black	500	1500
870616090001000	Ø 40	M 8	-	34,5	37,0	black	500	-
870616100001000	Ø 40	M 10	-	34,5	37,0	black	500	-
870616330001000	Ø 40	M 12	-	34,5	37,0	black	500	1500
870616310001000	Ø 40	-	Ø 5	34,5	37,0	black	500	1500
870616210001000	Ø 40	-	Ø 6	34,5	37,0	black	500	1500
870616070001000	Ø 40	-	Ø 8	34,5	37,0	black	500	1500
870616080001000	Ø 40	-	Ø 10	34,5	37,0	black	500	1500
870616320001000	Ø 40	-	Ø 12	34,5	37,0	black	500	1500

Bow-type handles

Application: handles
Material: PA GF
Standard-Colour: black

HGA 1



Order No.	Spacing	Length	Width	Height	Height	Hole Ø	Colour	PU*	MOQ**
	A	L	C	B	h				
T1155090001000	93 +/-1	116	20	35	20	6,5	black	75	75
T1155100001000	109 +/-1	141	25	42	20	8,5	black	25	-
T1155110001000	117 +/-1	141	25	42	20	8,5	black	25	100
T1155130001000	132 +/-1	163	29	45	22	8,5	black	25	-
T1155140001000	150 +/-1	181	31	48	25	8,5	black	100	100

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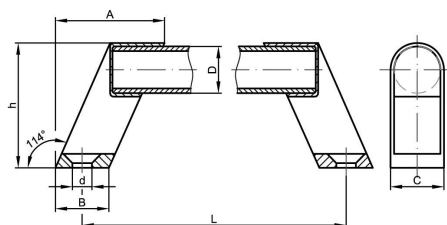
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Bow-type handles

Application: handles
Material: PA GF / aluminum
Standard-Colour: black

HGB



Order No.	Handle Ø	Length	Spacing	Width	Width	Height	Hole Ø	Colour	PU*	MOQ**
	D	L	A	B	C	h	d			
T11560010001000	20	200 +/-1	47	23	26	53	6,4	black	10	10
T11560020001000	20	300 +/-1	47	23	26	53	6,4	black	10	10
T11560030001000	20	400 +/-1	47	23	26	53	6,4	black	10	10
T11560040001000	20	500 +/-1	47	23	26	53	6,4	black	10	-
T11560050001000	20	700 +/-1	47	23	26	53	6,4	black	10	10
T11560060001000	25	200 +/-1	56	29	32	60	8,4	black	10	10
T11560070001000	25	300 +/-1	56	29	32	60	8,4	black	10	10
T11560080001000	25	400 +/-1	56	29	32	60	8,4	black	10	10
T11560090001000	25	500 +/-1	56	29	32	60	8,4	black	10	10
T11560100001000	25	700 +/-1	56	29	32	60	8,4	black	10	10

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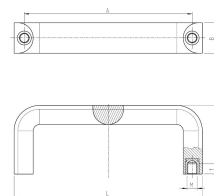
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Bow-type handles, brass tapped bushings

HGC

Application: duroplast products
Additional Info: Duroplast
Material: Duroplast FS 31
Standard-Colour: black



Order No.	Spacing	Length	Depth	Height	Width	Thread	Colour	PU*	MOQ**
	A	L	t	H	B	M			
T11530010001000	109 +/- 1	124	13	45	21	M 6	black	25	150
T11530020001000	132 +/- 1	148	13	54	24	M 8	black	50	150

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