

??	art.	D	d	H	h	m	d3	d2	d1 H10	dm	Q	??(g)
-	K150057.TD0801...	57	24	50	6	17	52,4	M5	8	12	16	105
-	K150057.TD1001...	57	24	50	6	17	52,4	M5	10	12	16	104
-	K150057.TD1201...	57	24	50	6	17	52,4	M5	12	12	16	103
-	K150072.TD0801...	72	28	56	6	21	66,8	M5	8	12	20	165
-	K150072.TD1001...	72	28	56	6	21	66,8	M5	10	12	20	163
-	K150072.TD1201...	72	28	56	6	21	66,8	M5	12	12	20	161
-	K150094.TD1001...	94	36	60	6	24	87,4	M5	10	15	24	376
-	K150094.TD1201...	94	36	60	6	24	87,4	M5	12	15	24	373
-	K150094.TD1401...	94	36	60	6	24	87,4	M5	14	15	24	370

??, ?? 50? ?? ?? ? ?? d1? ?? ?? ? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ??.

?? ?? ?? ?? ??:

1-2-3-6-10-12-15-18-20-24-30-36-48-50-60-72-84-96-100.

?? ?? - ?? ??, ?? ??, ?? ??, ? ? ?? ?? ?? ??, 12 ??, ?? d.57, ? 10 (?? H7), ??: K150057.TD1001O12

K170



11

Control knobs with seat for gravity position indicator

Control knobs with seat for gravity position indicator

Material:

PA6 +G.F. (RAL 9011).

Color:

RAL 9011 (RAL 9011).

Finish:

Matte (RAL 9011).

Dimensions:

Standard diameter: 52,4 mm (K650050) or 87,4 mm (K650080).
Standard height: 25 mm (H10).

Mounting:

Mounting hole diameter: 5 mm (M5).

Accessories:

Standard mounting: M5 x 2 mm (M5).

Options:

Standard diameter: 50 mm (H7) or 87,4 mm (H10).

Standard height: 25 mm (H10).

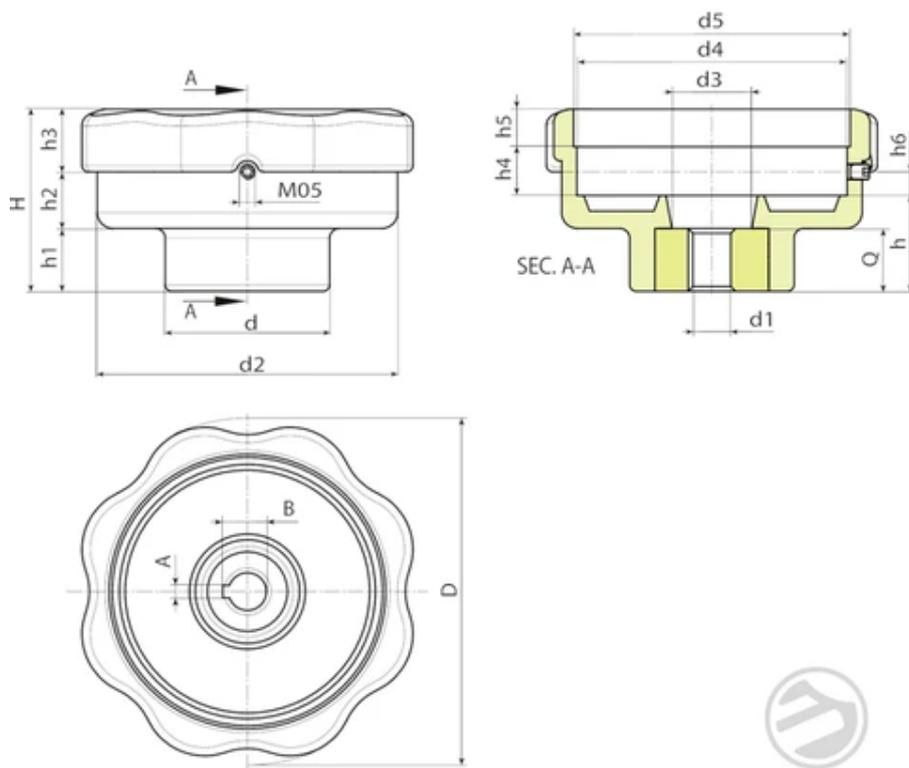
Standard mounting: M5 x 2 mm (M5).

Part numbers:

d5=52,4 --> K650050

d5=87,4 --> K650080 o K660080





Art.	art.	D	H	h	h1	h2	h3	h4	h5	h6	d	d2	d3	d4	d5	A	B
K170110.0001	K170110.T80D1201H	110	58	30.5	20	18	20	15.5	12	7.5	52	95	25	85.5	87,4	4	13.1

Art.	art.	d1	H10	Q	Art(g)
K170110.0001	K170110.T80D1201H	12		20	230

K405



11

Control handwheels with seat for gravity position indicator

Control handwheels with seat for gravity position indicator

Material:

PA6 (polyamide). (RAL 9011).

Color:

(RAL 9011).

Finish:

(RAL 9011).

Dimensions:

(H10).

Weight:

(kg)

(*) (kg)

Options:

50/80mm (K650-K660). (K650-K660).

Mounting:

d4 M5 (M5).

Accessories:

d2 (M5).

Technical data:

50 H7 d1 (K650-K660).

d1 (K650-K660).

(K650-K660).

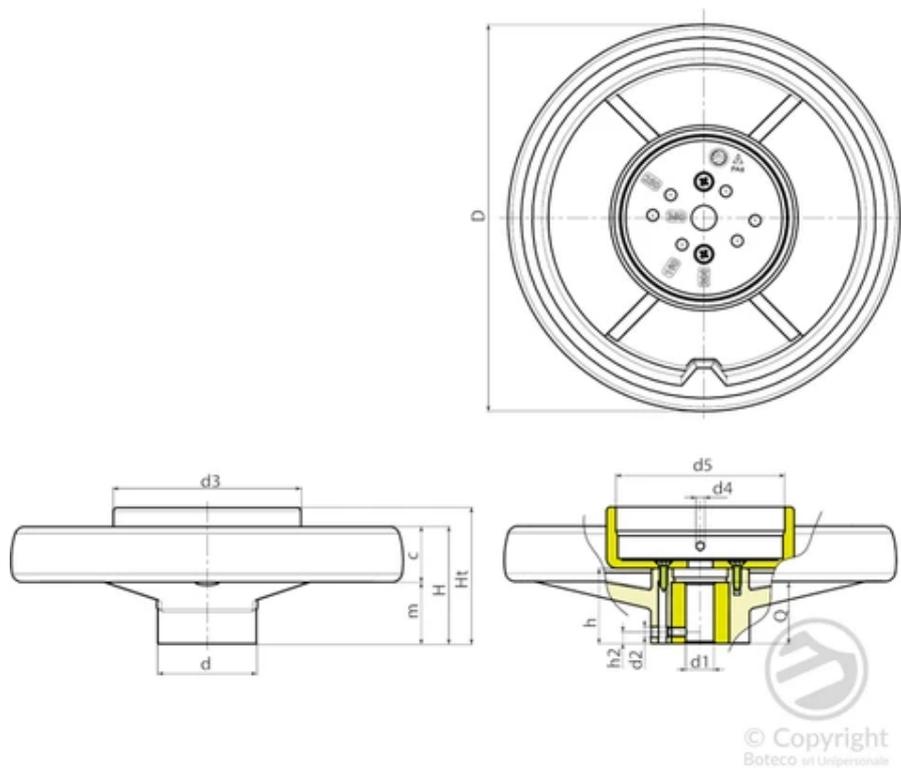
(K650-K660).

Part numbers:

d5=52,4 --> K650050

d5=87,4 --> K650080 o K660080





??	art.	D	d	m	c	H	Ht	h	h2	d2	d3	d4	d5 ±0,5	Dm	d1 H10	Q	??(g)
K405130.0001	K405130.T050D0801	129	32	32	18	50	65.5	36	8	M5	62	M5	52,7	18	8	24	314
K405160.0002	K405160.T050D0801	159	40	34	23	57	69	40.5	8	M5	62	M5	52,7	22	8	32	464
K405160.0003	K405160.T080D0801	159	40	34	23	57	72	40.5	8	M5	97	M5	87,6	22	8	32	485
K405200.0005	K405200.T080D0801	198	51	33	28.5	61.5	71	39.5	8	M5	97	M5	87,6	22	8(*)	32	725
K405250.0001	K405250.T080D0801	252	55.5	38.5	31.5	70	79	47	8	M5	97	M5	87,6	28	8(*)	36	1015
K405350.0001	K405350.T080D0801	346	67.5	43.5	36.5	80	81.5	49.5	8	M5	97	M5	87,6	30	8(*)	32	1625

??: ?? 50? ?? ?? ? ?? d1? ?? ?? ?? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ?? ?? ?? ??.

K406



11

Control handwheels with seat for gravity position indicator

Control handwheels with seat for gravity position indicator

Material:

PA6 (polyamide).

Color:

(RAL 9011).

Finish:

(RAL 9011).

Dimensions:

(H10).

Weight:

(kg).

(+) ISO 7838

Options:

(*)

(*)

Accessories:

50/80mm (K650-K660).

Mounting:

d4 M5

Dimensions:

d2 (M5)

Dimensions:

50, H7 d1

d1

Dimensions:

d5=52,4 --> K650050

d5=87,4 --> K650080 o K660080



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K590



11

?? ?? ???

Numerator blocks and accessories

??:

?????

????? ?? ??(??).

??:

????? ?? ?????? ??? ??? A580?? ??????

?? ??:

?????

???? ?????? ?? ?? ?? ????????

??:

????? (???? ?? ?????).

??:

?? (RAL 9011).

?? ???:

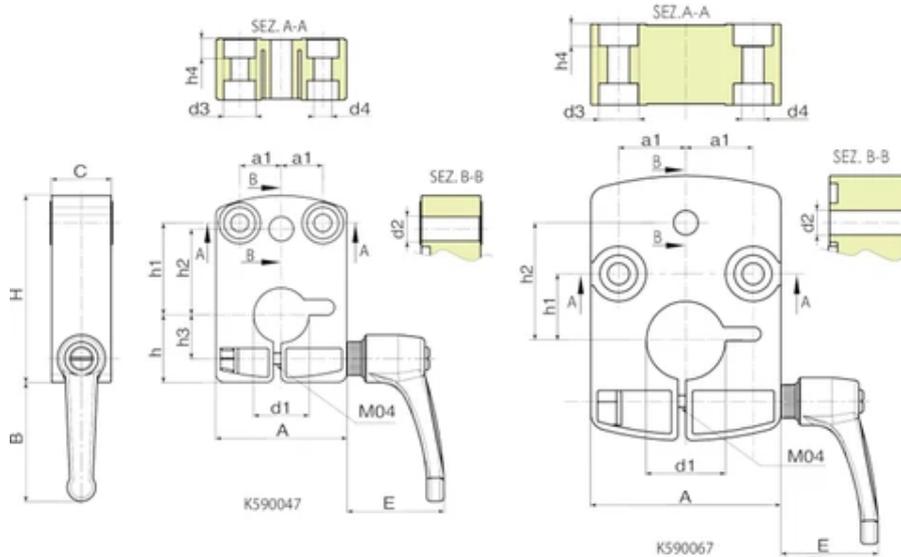
?? ?? ?? ????? ?? ?? ?? ??(TCCE) M4.

???:

K590047: ?? K610047????

K590067: ?? K620067????





Art.	art.	H	A	C	B	E	a1	h	h1	h2	h3	h4	d2	d3	d4	d1	Art.(g)
K590047.0001	K590047.TD14P1	47,5	33	15	38	33	10.5	17	23.5	22	11	4.9	6.2	8	4.5	14	105
K590067.0001	K590067.TD20P1	67.4	48	20	34	33	17	-	17	30	-	5.5	6.2	10	5.5	20	165

K600



11

11 Numerator blocks and accessories

11.1

(1-2) 11.1.1

11.1.1.1 (polyamide), 11.1.1.2

(3) 11.1.1.3

K600: 11.1.1.3.1 C45.

K600CIN: 11.1.1.3.2 AISI 304.

(4) 11.1.1.4

K600: 11.1.1.4.1

K600CIN: 11.1.1.4.2 (AISI 303).

(5) 11.1.1.5

11.1.1.5.1 (Polymethylmethacrylate) (PMMA).

(6) 11.1.1.6

11.1.1.6.1 (Polyamide)

11.2

(1-2-6) 11.2.1

(4) 11.2.1.1

(5) 11.2.1.2

11.3

(1) 11.3.1

11.3.1.1 (RAL 9011 cod. 01)

(2) 11.3.1.2

K600: 11.3.1.2.1 (RAL 9011 cod. 01).

K602: 11.3.1.2.2 (RAL 2004 cod. 02).

K603: 11.3.1.2.3 (RAL 7035 cod. 13).

(3) 11.3.1.3

K600: 11.3.1.3.1

K600CIN: 11.3.1.3.2

(4) 11.3.1.4

K600: 11.3.1.4.1

K600CIN: 11.3.1.4.2

(5) 11.3.1.5

11.3.1.5.1

(6) 11.3.1.6

11.3.1.6.1, 11.3.1.6.2

11.4

11.4.1 4mm.

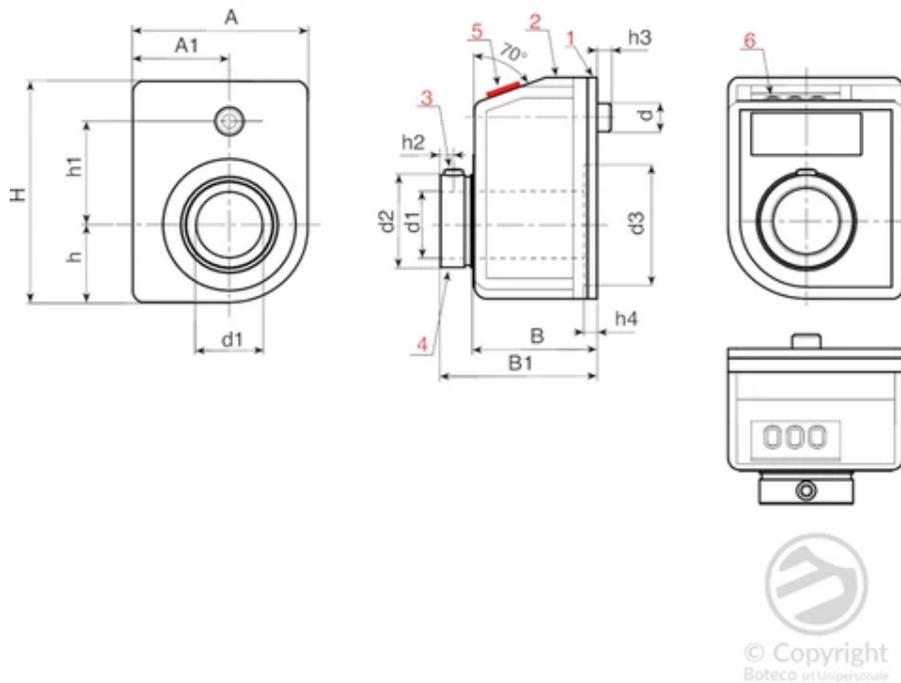
11.5 (GR):

11.5.1 360° 11.5.1.1, 11.5.1.2, 11.5.1.3, 11.5.1.4, 11.5.1.5, 11.5.1.6, 11.5.1.7, 11.5.1.8, 11.5.1.9, 11.5.1.10, 11.5.1.11, 11.5.1.12, 11.5.1.13, 11.5.1.14, 11.5.1.15, 11.5.1.16, 11.5.1.17, 11.5.1.18, 11.5.1.19, 11.5.1.20, 11.5.1.21, 11.5.1.22, 11.5.1.23, 11.5.1.24, 11.5.1.25, 11.5.1.26, 11.5.1.27, 11.5.1.28, 11.5.1.29, 11.5.1.30, 11.5.1.31, 11.5.1.32, 11.5.1.33, 11.5.1.34, 11.5.1.35, 11.5.1.36, 11.5.1.37, 11.5.1.38, 11.5.1.39, 11.5.1.40, 11.5.1.41, 11.5.1.42, 11.5.1.43, 11.5.1.44, 11.5.1.45, 11.5.1.46, 11.5.1.47, 11.5.1.48, 11.5.1.49, 11.5.1.50, 11.5.1.51, 11.5.1.52, 11.5.1.53, 11.5.1.54, 11.5.1.55, 11.5.1.56, 11.5.1.57, 11.5.1.58, 11.5.1.59, 11.5.1.60, 11.5.1.61, 11.5.1.62, 11.5.1.63, 11.5.1.64, 11.5.1.65, 11.5.1.66, 11.5.1.67, 11.5.1.68, 11.5.1.69, 11.5.1.70, 11.5.1.71, 11.5.1.72, 11.5.1.73, 11.5.1.74, 11.5.1.75, 11.5.1.76, 11.5.1.77, 11.5.1.78, 11.5.1.79, 11.5.1.80, 11.5.1.81, 11.5.1.82, 11.5.1.83, 11.5.1.84, 11.5.1.85, 11.5.1.86, 11.5.1.87, 11.5.1.88, 11.5.1.89, 11.5.1.90, 11.5.1.91, 11.5.1.92, 11.5.1.93, 11.5.1.94, 11.5.1.95, 11.5.1.96, 11.5.1.97, 11.5.1.98, 11.5.1.99, 11.5.1.100.

11.5.2 015° 01,5°

11.5.3 015° 01,5°





art.	H	A	h	h1	h2	h3	h4	A1	B	B1	d	d2	d3	d1 H7	GR	SR	PL
K600033.TD10.....	33	22	9,3	18	2,5	5	3,4	12,7	21	26	6	13,8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K602033.TD10.....	33	22	9.3	18	2.5	5	3.4	12.7	21	26	6	13.8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K603033.TD10.....	33	22	9.3	18	2.5	5	3.4	12.7	21	26	6	13.8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K600033.TD10.....CIN	33	22	9.3	18	2.5	5	3.4	12.7	21	26	6	13.8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K602033.TD10.....CIN	33	22	9.3	18	2.5	5	3.4	12.7	21	26	6	13.8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K603033.TD10.....CIN	33	22	9.3	18	2.5	5	3.4	12.7	21	26	6	13.8	16	10	7/5 - 10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4

/5

(K600033) - (K602) - (GR) 15 - (O) - (Z) P2 - 1 (DP) 1 - (P1-P2-P3-P4)

1:

3 (K600033) - (D1 10mm) - (K602) - (GR) 15 - (O) - (Z) P2 - 1 (DP) 1 - (P1-P2-P3-P4)

2:

3 (K600033) - (D1 10mm) - (01) - (GR) 15 - (A) - (Z) P3 - 2 (DP) 2 - (P1-P2-P3-P4)

PL:

4-22 22 22 22 22

P1 = 2222 222 22222

P2 = 22 222 22222

P3 = 2222 222 22222

P4 = 22 222 22222

SR:

O= 2222

A= 22222

PD:

2222 222 222222 22222 22 2 22, 322 222222 2222 22 22 22

PD = 0 - 222 22 (0000)

PD = 1 - 222 1222 (000.0)

PD = 2 - 222 2222 (00.00)

PD = 3 - 222 3222 (0.000)

?

22222 222 222222 2 2222 22 2222 22222 22 222222 22 22 22 22 K607047 2222 222

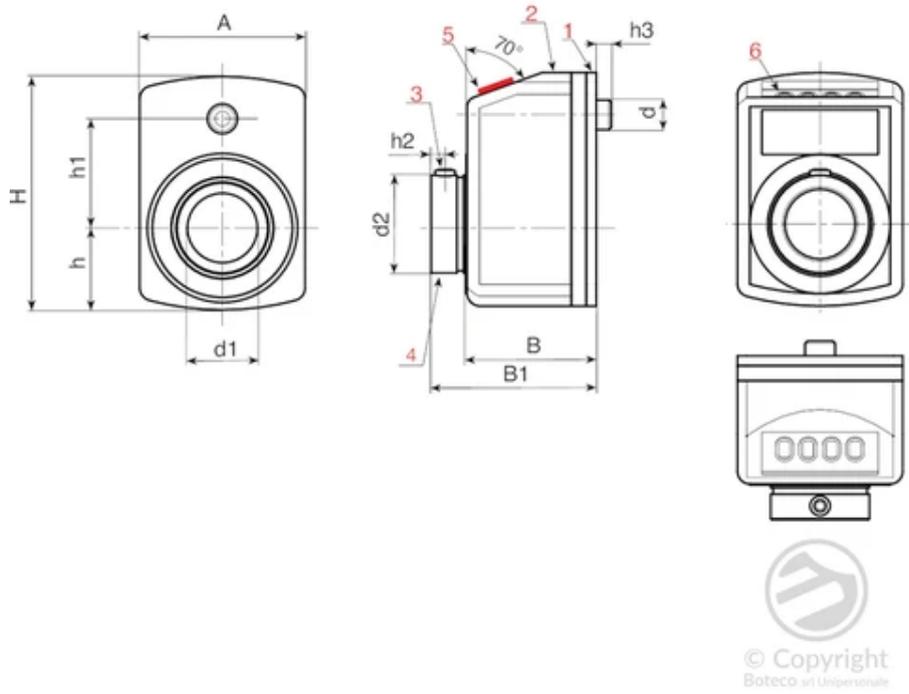
?

222, 22 22 22 04 - 06 - 08 - 10 - 12, 22 22 22, 222 222 K605 22 22

222, 222 22 222 222 22 22

222, 222 22 22 22 222 (K606047) 22 22





art.	H	A	h	h1	h2	h3	B	B1	d	d2	d1 H7	GR	SR	PL	PD	?? (g)
K610047.TD14.....	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50
K612047.TD14.....	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50
K613047.TD14.....	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50
K610047.TD14.....CIN	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50
K612047.TD14.....CIN	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50
K613047.TD14.....CIN	47	33	16,5	22	2,5	5	24	31	6	19,7	14	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 35 - 40 - 50 - 60 - 80 - 100	O - A	P1-P2- P3-P4	0-1-2-3	50

/5
 (K612), (GR) 60, (SR) O, (PL) P1, (PD) 0
 K612047.TD14060OP10.
 1: 4(K610047), - (K613), - (GR) 12/5, - (SR) A, - (PL) P2, - (PD) 3
 K613047.TD14125AP23CIN.

K617



11

11 4

Numerator blocks and accessories

11.1

(1) 11.1

11.1 (polyamide), 11.1

(5) 11.1

11.1 PMMA.

11.1

11.1

(2-3) 11.1

11.1 C40.

11.2

(1-4) 11.2

(5) 11.2

11.3

(1) 11.3

11.3 (RAL 9011 01).

(5) 11.3

11.3 (RAL 9011 01).

11.3 (RAL 2004 cod. 02).

11.3 (RAL 7035 cod. 13).

(2-3) 11.3

11.3

11.3

11.3

(4) 11.3

11.3 (RAL 9011 01).

11.3 (RAL 2004 cod. 02).

11.3 (RAL 7035 cod. 13).

11.4

(2) 11.4 DIN 914

(2) 11.4 DIN 914

11.4

11.4 (2) 11.4

11.4 (3) 11.4

11.5

11.5 (H10), 11.5

11.6

11.6 K610



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K620



11

11111111 / 5 11 Numerator blocks and accessories

- 111:**
 (1-2) 1111 1111:
 11 111111 (polyamide), 111 11111 1111
 (3) 11 1111 111:
 K620: 11 C45.
 K620CIN: 111111 111 AISI 304.
 (4) 11111 11 11 111:
 K620: 11 11.
 K620CIN: 111111 111 (AISI 303).
 (5) 111111 111:
 11111111 (Polymethylmethacrylate) (PMMA).
 (6) 11111 11:
 111111 (Polyamide)

- 111 111:**
 (1-2-6) 11111
 (4) 11111 111 11111
 (5) 111111 111 11111 (1111 111 111 111).

- 111:**
 (1) 1111 1111 111:
 111 (RAL 9011 cod. 01)
 (2) 1111 1111:
 K620: 111 (RAL 9011 111 01).
 K622: 111111 (RAL 2004 cod. 02).
 K623: 111 (RAL 7035 cod. 13).
 (3) 11 11111 111:
 K620: 111 1111 1111.
 K620CIN: 111111111.
 (4) 1111 111:
 K620: 111 1111 111.
 K620CIN: 111111111.
 (5) 1111111 111:
 111
 (6) 111111 11:
 111 111, 111 111

111111 11 11111:
 111 111 11111 111 111 (111) 4mm.

111 111 111 (GR):
 111 1111 360 1 111 1 1111 1111 1111111 111. 11 111, 15 1111 111, 11111111 1 111 1 015 1
 1 111 1. 111111 111 111 111111 1111 11111 11111 (1111 111111 111 111 111 111) 1111 1
 1 11 015 1 01,5 1 111 1.



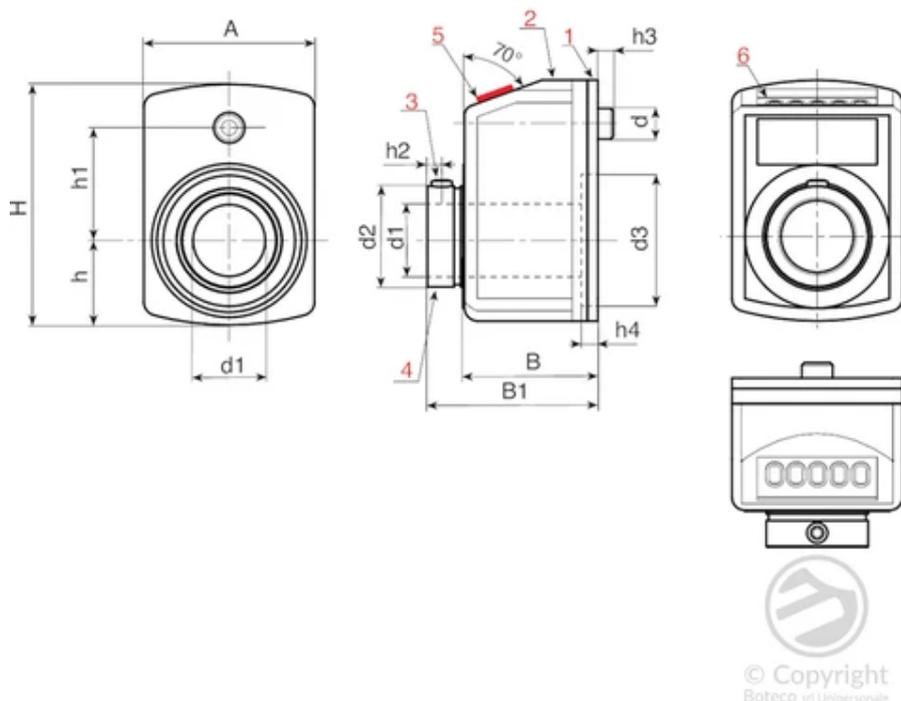
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art.	H	A	h	h1	h2	h3	h4	B	B1	d	d2	d3	d1 H7	GR	SR	PL	PD
K620067.TD20.....	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4
K622067.TD20.....	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4
K623067.TD20.....	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4
K620067.TD20.....CIN	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4
K622067.TD20.....CIN	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4
K623067.TD20.....CIN	67,5	48	25,5	30	3,5	6	2	30	38,5	6	27	40	20	10 - 12/5 - 15 - 17/5 - 20 - 25 - 30 - 39/375 - 40 - 50 - 60 - 78/75 - 80 - 100	O- A	P1- P2- P3- P4	0-1-2-2-4

/5 222 222 222 22

222, 22 22 22, 22 22 222 222222 2(22 22 22).

22 1:

21 : 522 222 222 22222(K620067) - 222 D1 20mm - 222 22(K622) - 22 22 22(GR) 60 - 22 22 O - 22 22 (Z) P2 - 422 222(DP) 4 - 22 22 2:

K622067.TD20060OP24

??:

?? 2: 5?? ?? ??(K620067)???, 20mm ?????? ?? ???(d1), - ??(K620), - ??(GR) 15, - ??? ?? ??(SR) A, - ?? ??(PL) P3, - ??? ?? 4??(PD) 4? ?????, ?? ?
?? ?? ? ? ? ? ? ? : K620067.TD20015AP34CIN.

art.	H	??(g)
K620067.TD20.....	67,5	100
K622067.TD20.....	67,5	100
K623067.TD20.....	67,5	100
K620067.TD20.....CIN	67,5	100
K622067.TD20.....CIN	67,5	100
K623067.TD20.....CIN	67,5	100

/5 ?? ? ? ? ? ? ?

???, ?? ?? ??, ?? ?? ?? ? ? ? ? ? ?(?? ?? ??).

?? 1:

?? 1 : 5?? ?? ?? ? ? ? ? ? ?(K620067) - ??? D1 20mm - ??? ??(K622) - ?? ?? ??(GR) 60 - ?? ?? O - ??? ?? (Z) P2 - 4?? ??(DP) 4 - ?? ?? ? :
K622067.TD20060OP24

??:

?? 2: 5?? ?? ??(K620067)???, 20mm ?????? ?? ???(d1), - ??(K620), - ??(GR) 15, - ??? ?? ??(SR) A, - ?? ??(PL) P3, - ??? ?? 4??(PD) 4? ?????, ?? ?
?? ?? ? ? ? ? ? ? : K620067.TD20015AP34CIN.

PL:

4

P1 =

P2 =

P3 =

P4 =

SR:

O =

A =

PD:

3

PD = 0 - (00000)

PD = 1 - 1 (0000.0)

PD = 2 - 2 (000.00)

PD = 3 - 3 (00.000)

PD = 4 - 4 (0.0000)

?

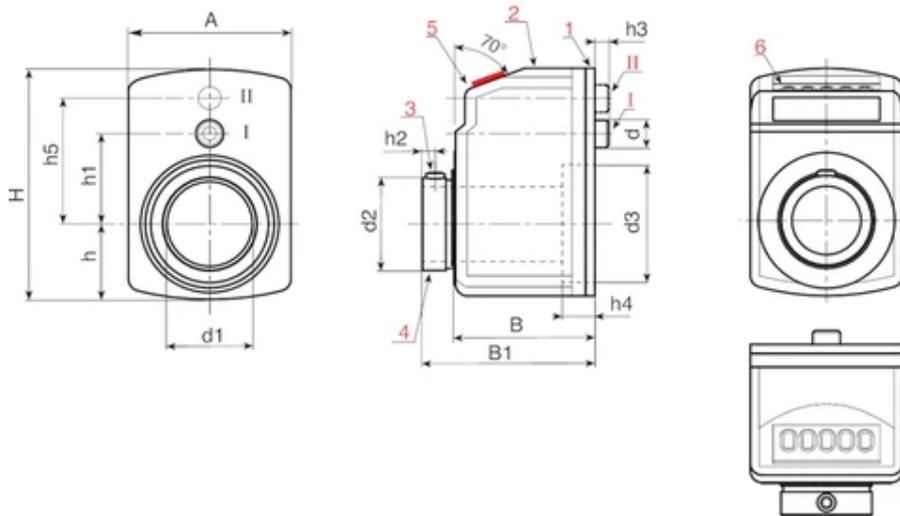
K607075

?

?

K605

?



art.	H	A	h	h1	h2	h3	h4	h5	B	B1	d	d2	d3	d1 H7	GR	SR	PL
K630075.TD30.....	75	56	27	30	4	5	10	40	44	52	6	37	47	30	6/5 - 10 - 15 - 17/5 - 20 - 25 - 30 - 39/4 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K632075.TD30.....	75	56	27	30	4	5	10	40	44	52	6	37	47	30	6/5 - 10 - 15 - 17/5 - 20 - 25 - 30 - 39/4 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K630075.TD30.....CIN	75	56	27	30	4	5	10	40	44	52	6	37	47	30	6/5 - 10 - 15 - 17/5 - 20 - 25 - 30 - 39/4 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4
K632075.TD30.....CIN	75	56	27	30	4	5	10	40	44	52	6	37	47	30	6/5 - 10 - 15 - 17/5 - 20 - 25 - 30 - 39/4 - 40 - 50 - 60 - 80 - 100	O- A	P1-P2- P3-P4

/5

1: 5 (K630075), 30mm (d1), (K632), (GR) 50, (SR) O, (PL) P2, (PD) 4

K632075.TD30050OP24.

2:

2: 5 (K630075), 30mm (d1), - (K630), - (GR) 15/75, - (SR) A, - (PL) P3, - (PD) 4, (PD) 4, K632075.TD301575AP34CIN.

art.	H	PD	(g)
K630075.TD30.....	75	0-1-2-2-4	100
K632075.TD30.....	75	0-1-2-2-4	100
K630075.TD30.....CIN	75	0-1-2-2-4	100
K632075.TD30.....CIN	75	0-1-2-2-4	100

/5

1: 5 (K630075), 30mm (d1), (K632), (GR) 50, (SR) O, (PL) P2, (PD) 4

K632075.TD30050OP24.

2:

2: 5 (K630075), 30mm (d1), - (K630), - (GR) 15/75, - (SR) A, - (PL) P3, - (PD) 4, (PD) 4, K632075.TD301575AP34CIN.



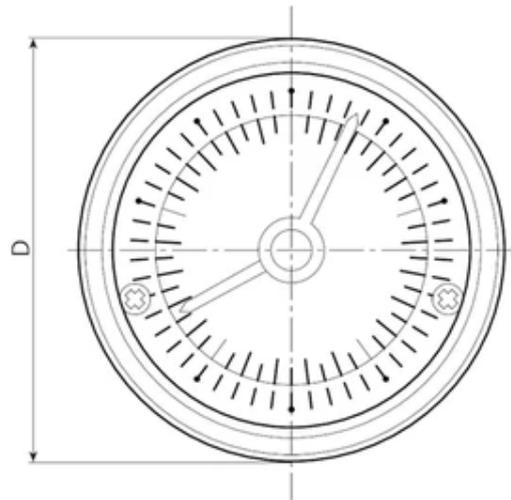
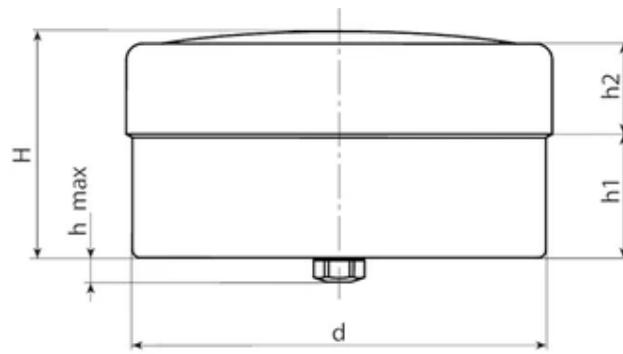
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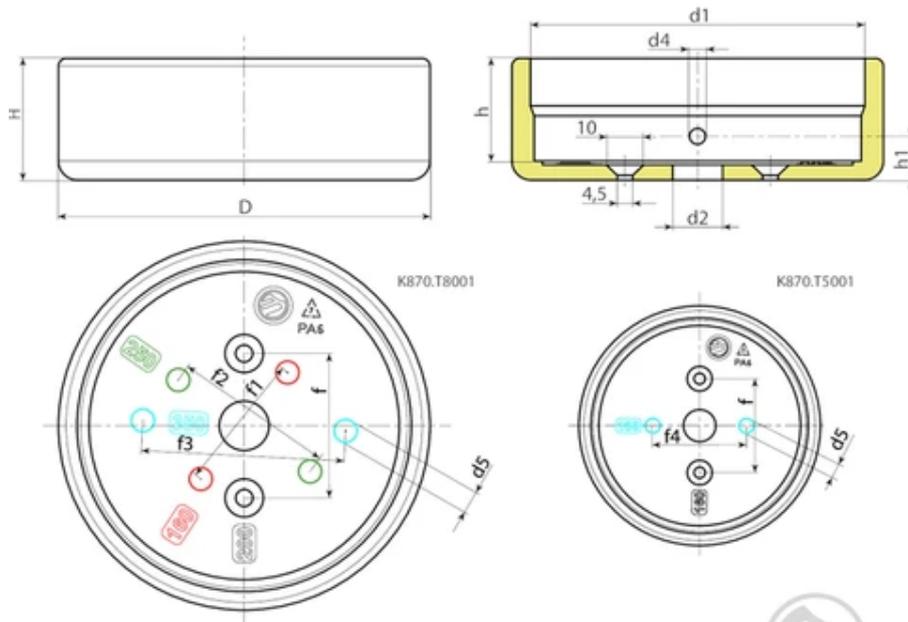
art.	D	d	H	h	h1	h2	GR	SR	F1	F2	??(g)
K650050.....	51.7	50.2	29.2	4.2	14.7	11.5	1-2-3-6-10-12-15-18-20-24-30-36-48-50-60-72-84-96-100	O-A	1	2	100
K650070.....	66.8	65	28.5	5	16.2	11.3	1-2-3-6-10-12-15-18-20-24-30-36-48-50-60-72-84-96-100	O-A	1	2	100
K650080.....	86.8	84.8	29.8	5	15.6	12.7	1-2-3-6-10-12-15-18-20-24-30-36-48-50-60-72-84-96-100	O-A	1	2	100

???, ?? ?? ??, ?? ?? ?? ?? ?? ?? ??(?? ?? ??).

?1 : ??? ?? ??80(K650080.....) - ?? ?? ??(GR) 12 - ?? ?? O - ?? ?? 2 - ?? ?? : K650080.012O2

??:

?2 : ??? ?? ??70(K650070.....) - ?? ?? ??(GR) 100 - ?? ?? A - 1? ?? 1 - ?? ?? : K650070.100A1



??	art.	D	H	h	h1	d1±0,5	d2	d3	d4	d5	f	f1	f2	f3	f4	??(g)
K870.TS5001BASE1	K870.TS5001BASE1	62	29.5	24	12	52,7	13	4.5	M5	6	36	-	-	-	25	74
K870.TS8001BASE1	K870.TS8001BASE1	97	32	27	11.5	87,6	13	4.5	M5	6	36	38	42	53	-	95

??	art.	h6	Dm	d1	Q	??(g)
K900087.0004	K900087.T050P5.801P	3	12	5.8	20	155
K900100.0003	K900100.T050P6.801P	3.5	12	6.8	20	170
K900130.0005	K900130.T080P6.801P	5	20	6.8	24	350
K900150.0002	K900150.T080P6.801P	6.5	20	6.8	28	430
K900175.0002	K900175.T080P6.801P	8	20	6.8	28	650
K900200.0001	K900200.T080P6.801P	10	22	6.8	23	810

??, ?? 50? ?? ?? ? ?? d1? ?? ???? ? ???? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ???? ???? ???? ? ?? ?? ??.

dv = 36 mm. (K901130 dv= 32 mm.)

??	art.	h6	R	d8	Dm	d1	Q	??(g)
K901130.0001	K901130.T080P6.801P	5	54	M8	20	6.8	24	370
K901150.0001	K901150.T080P6.801P	6.5	57	M8	20	6.8	28	470
K901175.0001	K901175.T080P6.801P	8	60	M8	20	6.8	28	690
K901200.0001	K901200.T080P6.801P	10	71	M8	22	6.8	23	850

??, ?? 50? ?? ?? ? ?? d1? ?? ?? ? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ? ?? ? ?? ?? ? ?? ?? ??.

Q2 = ??

dv = 36 mm. (K901130 dv= 32 mm.)

K902



11

Control handwheels with seat for gravity position indicator

Control handwheels with seat for gravity position indicator

Descrizione:

Realizzato in poliammide (polyamide).
 Colore: grigio antracite.

Dimensioni:

Dimensioni (D x H x C).

Materiali:

Grigio antracite (RAL 9011).

Accessori:

Indicatore gravitazionale (serie K650 o K660).

Caratteristiche:

Indicatore gravitazionale.

Accessori:

Indicatore gravitazionale M144.

Utilizzo:

Utilizzare Indicatori gravitazionali modelli serie K650 o K660. L'indicatore può essere usato solo in posizione verticale (asse macchina orizzontale). L'indicatore e il relativo grano di fissaggio d7 sono da acquistare separatamente. Per informazioni ulteriori sugli indicatori consultare le pagine relative agli articoli K650 e K660.

(*): K650050.T01 o K650080

Accessori:

Indicatore gravitazionale, grano di fissaggio.

Accessori:

Indicatore gravitazionale H7 d1

Indicatore gravitazionale, grano d1

Indicatore gravitazionale, grano d1

Indicatore gravitazionale

Indicatore gravitazionale, grano d1

Accessori:

d5=50 --> K650050

d5=80 --> K650080 o K660080



Art.	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K902087.0002	K902087.T050P5.801P	86	53	32	62	21	17	15	20	50.8	50	63	M6	26.5	6.5	11.5	12
K902100.0003	K902100.T050P6.801P	99	55.5	32	63	23.5	20.5	11.5	20	50.8	50	68	M6	29	9	11.5	12

Art.	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K902130.0002	K902130.T080P6.801P	130	65.5	42	98	28.5	23,5	13,5	29	85.2	80*	90	M6	34	10	13.5	12.5
K902150.0005	K902150.T080P6.801P	149	69	42	101	31	25.5	12.5	29	85.2	80*	106	M6	37	9	13.5	12.5
K902175.0002	K902175.T080P6.801P	174	73	41	114	30	31.5	11.5	26	85.2	80*	126	M6	39	11	13.5	12.5
K902200.0001	K902200.T080P6.801P	201	71	46	136	24.5	32	14.5	30	85.2	80*	145	M6	35	12	13.6	12.5

Art. 50? d1? (H10 H7).

Dm = Dm?

Art.	art.	h6	dl	L	Dm	d1	Q	W(g)
K902087.0002	K902087.T050P5.801P	3	20	56	12	5.8	20	185
K902100.0003	K902100.T050P6.801P	3.5	20	56	12	6.8	20	200
K902130.0002	K902130.T080P6.801P	5	21	65	20	6.8	24	406
K902150.0005	K902150.T080P6.801P	6.5	23	76	20	6.8	28	530
K902175.0002	K902175.T080P6.801P	8	25	86	20	6.8	28	760
K902200.0001	K902200.T080P6.801P	10	25	86	22	6.8	23	920

Art. 50? d1? (H10 H7).

Dm = Dm?

??	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K903175.0001	K903175.T080P6.801P	174	73	41	114	30	31.5	11.5	26	85.2	80*	126	M6	39	11	13.5	12.5
K903200.0001	K903200.T080P6.801P	201	71	46	136	24.5	32	14.5	30	85.2	80*	145	M6	35	12	13.6	12.5

??: ?? 50? ?? ?? ? ?? d1? ?? ?? ? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ? ?? ?? ?? ?? ?? ?? ??.

Q2 = ??

dv = 36 mm. (K903130 dv=32 mm.)

??	art.	h6	R	d8	dl	L	Dm	d1	Q	??(g)
K903130.0002	K903130.T080P6.801P	5	54	M8	21	65	20	6.8	24	426
K903150.0001	K903150.T080P6.801P	6.5	57	M8	23	76	20	6.8	28	555
K903175.0001	K903175.T080P6.801P	8	60	M8	25	86	20	6.8	28	782
K903200.0001	K903200.T080P6.801P	10	71	M8	25	86	22	6.8	23	950

??: ?? 50? ?? ?? ? ?? d1? ?? ?? ? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ? ?? ?? ?? ?? ?? ?? ??.

Q2 = ??

dv = 36 mm. (K903130 dv=32 mm.)

K904



11

Control handwheels with seat for gravity position indicator

Control handwheels with seat for gravity position indicator

Descrizione:

Realizzato in poliammide (polyamide).
 Colore grigio antracite.

Dimensioni:

Dimensioni (D x H x H1).

Colori:

Grigio antracite (RAL 9011).

Accessori:

Indicatore di posizione gravitazionale (H10).

Accessori opzionali:

Indicatore di posizione gravitazionale.

Accessori:

Indicatore M136.

Accessori:

Per i modelli K650 e K660, sono disponibili anche i modelli con indicatore di posizione gravitazionale (d7) e con indicatore di posizione gravitazionale K-24/25 (*).
 Per i modelli KS08050.T01 e KS08050.T02, sono disponibili anche i modelli con indicatore di posizione gravitazionale FAM_K650-Codice e FAM_K660-Codice.
 (*) Per i modelli K650050.T01 e K650080, sono disponibili anche i modelli con indicatore di posizione gravitazionale.

Accessori:

Indicatore di posizione gravitazionale, indicatore di posizione gravitazionale.

Accessori:

Indicatore di posizione gravitazionale, H7, d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d16, d17, d18, d19, d20, d21, d22, d23, d24, d25, d26, d27, d28, d29, d30, d31, d32, d33, d34, d35, d36, d37, d38, d39, d40, d41, d42, d43, d44, d45, d46, d47, d48, d49, d50, d51, d52, d53, d54, d55, d56, d57, d58, d59, d60, d61, d62, d63, d64, d65, d66, d67, d68, d69, d70, d71, d72, d73, d74, d75, d76, d77, d78, d79, d80, d81, d82, d83, d84, d85, d86, d87, d88, d89, d90, d91, d92, d93, d94, d95, d96, d97, d98, d99, d100, d101, d102, d103, d104, d105, d106, d107, d108, d109, d110, d111, d112, d113, d114, d115, d116, d117, d118, d119, d120, d121, d122, d123, d124, d125, d126, d127, d128, d129, d130, d131, d132, d133, d134, d135, d136, d137, d138, d139, d140, d141, d142, d143, d144, d145, d146, d147, d148, d149, d150, d151, d152, d153, d154, d155, d156, d157, d158, d159, d160, d161, d162, d163, d164, d165, d166, d167, d168, d169, d170, d171, d172, d173, d174, d175, d176, d177, d178, d179, d180, d181, d182, d183, d184, d185, d186, d187, d188, d189, d190, d191, d192, d193, d194, d195, d196, d197, d198, d199, d200, d201, d202, d203, d204, d205, d206, d207, d208, d209, d210, d211, d212, d213, d214, d215, d216, d217, d218, d219, d220, d221, d222, d223, d224, d225, d226, d227, d228, d229, d230, d231, d232, d233, d234, d235, d236, d237, d238, d239, d240, d241, d242, d243, d244, d245, d246, d247, d248, d249, d250, d251, d252, d253, d254, d255, d256, d257, d258, d259, d260, d261, d262, d263, d264, d265, d266, d267, d268, d269, d270, d271, d272, d273, d274, d275, d276, d277, d278, d279, d280, d281, d282, d283, d284, d285, d286, d287, d288, d289, d290, d291, d292, d293, d294, d295, d296, d297, d298, d299, d300, d301, d302, d303, d304, d305, d306, d307, d308, d309, d310, d311, d312, d313, d314, d315, d316, d317, d318, d319, d320, d321, d322, d323, d324, d325, d326, d327, d328, d329, d330, d331, d332, d333, d334, d335, d336, d337, d338, d339, d340, d341, d342, d343, d344, d345, d346, d347, d348, d349, d350, d351, d352, d353, d354, d355, d356, d357, d358, d359, d360, d361, d362, d363, d364, d365, d366, d367, d368, d369, d370, d371, d372, d373, d374, d375, d376, d377, d378, d379, d380, d381, d382, d383, d384, d385, d386, d387, d388, d389, d390, d391, d392, d393, d394, d395, d396, d397, d398, d399, d400, d401, d402, d403, d404, d405, d406, d407, d408, d409, d410, d411, d412, d413, d414, d415, d416, d417, d418, d419, d420, d421, d422, d423, d424, d425, d426, d427, d428, d429, d430, d431, d432, d433, d434, d435, d436, d437, d438, d439, d440, d441, d442, d443, d444, d445, d446, d447, d448, d449, d450, d451, d452, d453, d454, d455, d456, d457, d458, d459, d460, d461, d462, d463, d464, d465, d466, d467, d468, d469, d470, d471, d472, d473, d474, d475, d476, d477, d478, d479, d480, d481, d482, d483, d484, d485, d486, d487, d488, d489, d490, d491, d492, d493, d494, d495, d496, d497, d498, d499, d500, d501, d502, d503, d504, d505, d506, d507, d508, d509, d510, d511, d512, d513, d514, d515, d516, d517, d518, d519, d520, d521, d522, d523, d524, d525, d526, d527, d528, d529, d530, d531, d532, d533, d534, d535, d536, d537, d538, d539, d540, d541, d542, d543, d544, d545, d546, d547, d548, d549, d550, d551, d552, d553, d554, d555, d556, d557, d558, d559, d560, d561, d562, d563, d564, d565, d566, d567, d568, d569, d570, d571, d572, d573, d574, d575, d576, d577, d578, d579, d580, d581, d582, d583, d584, d585, d586, d587, d588, d589, d590, d591, d592, d593, d594, d595, d596, d597, d598, d599, d600, d601, d602, d603, d604, d605, d606, d607, d608, d609, d610, d611, d612, d613, d614, d615, d616, d617, d618, d619, d620, d621, d622, d623, d624, d625, d626, d627, d628, d629, d630, d631, d632, d633, d634, d635, d636, d637, d638, d639, d640, d641, d642, d643, d644, d645, d646, d647, d648, d649, d650, d651, d652, d653, d654, d655, d656, d657, d658, d659, d660, d661, d662, d663, d664, d665, d666, d667, d668, d669, d670, d671, d672, d673, d674, d675, 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Accessori:

d5=50 --> K650050
 d5=80 --> K650080 o K660080

Art.	art.	D	H	H1	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4
K904087.0001	K904087.T050P5.801P	86	53	77	32	62	21	17	15	20	50,8	50	63	M6	26,5	6,5	11,5
K904100.0001	K904100.T050P6.801P	99	55,5	80	32	63	23,5	20,5	11,5	20	50,8	50	68	M6	29	9	11,5
K904130.0005	K904130.T080P6.801P	130	65,5	94	42	98	28,5	23,5	13,5	29	85,2	80*	90	M6	34	10	13,5
K904150.0002	K904150.T080P6.801P	149	69	104	42	101	31	25,5	12,5	29	85,2	80*	106	M6	37	9	13,5

??	art.	D	H	H1	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4
K905175.0006	K905175.T080P6.801P	174	73	108	41	114	30	31.5	11.5	26	85.2	80*	126	M6	39	11	13.5
K905200.0001	K905200.T080P6.801P	201	71	106	46	136	24,5	32	14,5	30	85.2	80*	145	M6	35	12	13.6

??	art.	h5	h6	R	d8	dl	L	Dm	d1	Q	??(g)
K905130.0002	K905130.T080P6.801P	12.5	5	54	M8	25	76	20	6.8	24	430
K905150.0003	K905150.T080P6.801P	12.5	6.5	57	M8	26	89	20	6.8	28	615
K905175.0006	K905175.T080P6.801P	12.5	8	60	M8	26	89	20	6.8	28	835
K905200.0001	K905200.T080P6.801P	12.5	10	71	M8	26	97	22	6.8	23	999

K906



11

Control handwheels with seat for gravity position indicator

Control handwheels with seat for gravity position indicator

Material:

PA6 (polyamide).

Color: RAL 9011.

Dimensions:

See technical drawing (K906).

Surface:

RAL 9011.

Weight:

See technical drawing (K906 H10).

Accessories:

See technical drawing (K906).

Options:

See technical drawing (K906 M129).

Part numbers:

See technical drawing K650, K660, K-24/25, KS08050.T01, K650080, FAM_K650-Codice, FAM_K660-Codice. (*) K650050.T01, K650080.

Notes:

See technical drawing (K906).

Dimensions:

50, H7, d1, d2, d3, d4, d5, d6, d7, h, h3, h4, h5.

d1, d2, d3, d4, d5, d6, d7.

h, h3, h4, h5.

See technical drawing (K906).

See technical drawing (K906).

Options:

d5=50 --> K650050

d5=80 --> K650080 o K660080



art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K906087.0002 K906087.T050P6.801P	86	53	32	62	21	17	15	20	50.8	50	63	M6	26.5	6.5	11.5	12
K906100.0002 K906100.T050P6.801P	99	55.5	32	63	23.5	20.5	11.5	20	50.8	50	68	M6	29	9	11.5	12
K906130.0001 K906130.T080P6.801P	130	65.5	42	98	28.5	23.5	13.5	29	85.2	80*	90	M6	34	10	13.5	12.5
K906150.0004 K906150.T080P6.801P	149	69	42	101	31	25.5	12.5	29	85.2	80*	106	M6	37	9	13.5	12.5

??	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K906175.0001	K906175.T080P6.801P	174	73	41	114	30	31,5	11.5	26	85.2	80*	126	M6	39	11	13,5	12,5
K906200.0001	K906200.T080P6.801P	201	71	46	136	24,5	32	14,5	30	85,2	80*	145	M6	35	12	13.6	12.5

?? 50? ?? ? d1? ?? ?? ?? ?? (?? H10 ?? ?? H7 ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ??

??	art.	h6	dl	L	Dm	d1	Q	??(g)
K906087.0002	K906087.T050P6.801P	3	20	52	12	5.8	20	197
K906100.0002	K906100.T050P6.801P	3.5	20	52	12	6.8	20	212
K906130.0001	K906130.T080P6.801P	5	23	62	20	6.8	24	410
K906150.0004	K906150.T080P6.801P	6.5	25	72	20	6.8	28	522
K906175.0001	K906175.T080P6.801P	8	25	81	20	6.8	28	750
K906200.0001	K906200.T080P6.801P	10	25	81	22	6.8	23	910

?? 50? ?? ? d1? ?? ?? ?? ?? ?? (?? H10 ?? ?? H7 ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ??

K907



11

Control handwheels with seat for gravity position indicator M145

Control handwheels with seat for gravity position indicator

Descrizione:

Realizzato in poliammide (polyamide).
 Colore: grigio.

Dimensioni:

Dimensioni (D x H x C).

Colori:

Grigio (RAL 9011).

Accessori:

Indicatore di posizione gravitazionale (H10).

Varianti:

Varianti: K650, K660.

Modelli:

Modello M145.

Caratteristiche:

Il modello K650 è disponibile con il diametro d1 di 50 mm (K650050) o di 80 mm (K650080). Il modello K660 è disponibile con il diametro d1 di 50 mm (K660050) o di 80 mm (K660080).
 (*) Il codice KS08050.T01 è riservato per il modello K650050. Il codice FAM_K650-Codice è riservato per il modello K650050. Il codice FAM_K660-Codice è riservato per il modello K660050.
 (*) Il codice K650050.T01 è riservato per il modello K650050. Il codice K650080 è riservato per il modello K650080.

Materiali:

Materiali: poliammide, acciaio.

Specifiche:

Dimensione d1: 50 mm (H7), d2: 32 mm, d3: 21 mm, d4: 17 mm, d5: 15 mm, d6: 20 mm, d7: 20 mm, h: 26.5 mm, h3: 6.5 mm, h4: 11.5 mm, h5: 12 mm.
 Dimensione d1: 80 mm, d2: 42 mm, d3: 31 mm, d4: 25 mm, d5: 12.5 mm, d6: 29 mm, d7: 29 mm, h: 26.5 mm, h3: 6.5 mm, h4: 11.5 mm, h5: 12 mm.
 Dimensione d1: 130 mm, d2: 42 mm, d3: 31 mm, d4: 25 mm, d5: 12.5 mm, d6: 29 mm, d7: 29 mm, h: 26.5 mm, h3: 6.5 mm, h4: 11.5 mm, h5: 12 mm.
 Dimensione d1: 149 mm, d2: 42 mm, d3: 31 mm, d4: 25 mm, d5: 12.5 mm, d6: 29 mm, d7: 29 mm, h: 26.5 mm, h3: 6.5 mm, h4: 11.5 mm, h5: 12 mm.

Configurazione:

d5=50 --> K650050
 d5=80 --> K650080 o K660080



Art.	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K907087.0001	K907087.T050P5.801P	86	53	32	62	21	17	15	20	50.8	50	63	M6	26.5	6.5	11.5	12
K907100.0002	K907100.T050P6.801P	99	55.5	32	63	23.5	20.5	11.5	20	50.8	50	68	M6	29	9	11.5	12
K907130.0001	K907130.T080P6.801P	130	65.5	42	98	28.5	23.5	13.5	29	85,2	80*	90	M6	34	10	13.5	12.5
K907150.0001	K907150.T080P6.801P	149	69	42	101	31	25.5	12.5	29	85,2	80*	106	M6	37	9	13.5	12.5

??	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K907175.0001	K907175.T080P6.801P	174	73	41	114	30	31,5	11.5	26	85,2	80*	126	M6	39	11	13,5	12,5
K907200.0001	K907200.T080P6.801P	201	71	46	136	24,5	32	14,5	30	85,2	80*	145	M6	35	12	13.6	12.5

?? 50? ?? ? d1? ?? ?? ?? ?? (?? H10 ?? ?? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ??.

??	art.	h6	dl	L	Dm	d1	Q	??(g)
K907087.0001	K907087.T050P5.801P	3	20	55	12	5.8	20	187
K907100.0002	K907100.T050P6.801P	3.5	20	55	12	6.8	20	205
K907130.0001	K907130.T080P6.801P	5	23	66	20	6.8	24	424
K907150.0001	K907150.T080P6.801P	6.5	25	76	20	6.8	28	516
K907175.0001	K907175.T080P6.801P	8	25	87	20	6.8	28	745
K907200.0001	K907200.T080P6.801P	10	27	87	22	6.8	23	900

?? 50? ?? ? d1? ?? ?? ?? ?? ?? (?? H10 ?? ?? H7 ?? ?? ??).

Dm = ?? Dm?? ?? ?? ?? ?? ?? ?? ??.

K908



11

Control handwheels with seat for gravity position indicator, M202

Control handwheels with seat for gravity position indicator

Material:
PA6 (polyamide).
RAL 9011.

Weight:
0.25 kg (H10).

Color:
RAL 9011.

Dimensions:
H10.

Accessories:
K908.

Part number:
K908 M202.

Options:
K650, K660, K-24/25, KS08050.T01, FAM_K650-Codice, FAM_K660-Codice.
(* K650050.T01, K650080)

Notes:
K908, K908.

Dimensions:
50, H7, d1, d2, M, C, C1, d3, d4, d5, d6, d7, h, h3, h4, h5.
d1, d2, d3, d4, d5, d6, d7, h, h3, h4, h5.
K908, K908, K908, K908.

Options:
d5=50 --> K650050
d5=80 --> K650080 o K660080



Art.	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	h	h3	h4	h5
K908150.0001	K908150.T080P6.801P	149	69	42	101	31	25.5	12.5	29	85,2	80*	106	M6	37	9	13.5	12.5
K908175.0001	K908175.T080P6.801P	174	73	41	114	30	31,5	11.5	26	85.2	80*	126	M6	39	11	13,5	12,5
K908200.0001	K908200.T080P6.801P	201	71	46	136	24,5	32	14,5	30	85,2	80*	145	M6	35	12	13.6	12.5

K908 50, H7, d1, d2, d3, d4, d5, d6, d7, h, h3, h4, h5 (K908 H10, K908 H7).

Dm = 22 Dm22 2222 222 2222 2 22 22 22.

??	art.	h6	dl	L	Dm	d1	Q	??(g)
K908150.0001	K908150.T080P6.801P	6.5	40	64	20	6.8	28	525
K908175.0001	K908175.T080P6.801P	8	40	64	20	6.8	28	745
K908200.0001	K908200.T080P6.801P	10	40	64	22	6.8	23	905

??: ?? 50? ?? ?? ? ?? d1? ?? ?? ? ?? ?? (?? ?? H10 ?? ?? ? H7 ?? ?? ??).

Dm = 22 Dm22 2222 222 2222 2 22 22 22.

K960



11

K650050

Control knobs with seat for gravity position indicator

Material:

PA6 (polyamide). (RAL 9011).

Color:

(RAL 9011).

Finish:

(RAL 9011).

Identification:

Part number "K650050" is marked on the control knob. The marking is: K650050 K-24. FAM_K650-Codice].

Dimensions:

Dimensions: (see drawing) (H10).

Mounting:

Mounting: d4 (see drawing).

Fastening:

Fastening: M4 (see drawing).

Weight:

Weight: 50g (see drawing), H7 d1 (see drawing).

Weight: d1 (see drawing).

Weight: (see drawing).

Weight: (see drawing) (K96178.TD080116)



Part No.	art.	D	H	m	d	d2	d4	d5	d6	h1	h3	h6	Dm	d1 H10	Q	Weight (g)
K96078.0002	K96078.TD0801	78	56	15	31	36	6.5	M6	M4	18	24	38.5	18	8	32	230

Dimensions: 50g (see drawing) d1 (see drawing) (H10 H7 (see drawing)).

Dm = (see drawing)

11

BASE FOR SOLID CONTROL HANDWHEEL WITH INDICATOR SEAT AND PROVISION FOR HANDLE

Control handwheels with seat for gravity position indicator

Materials:

Reinforced and stabilized polyamide.
Resistant to oils and greases.

Surface finish:

Satin.

Colour:

Black (RAL 9011).

Insert:

Galvanised steel insert with smooth through bore (tolerance H10).

Lateral insert:

Brass insert with threaded through hole.

Mountable indicator:

Use gravity position indicators models K650 or K660. The indicator can be only used in a vertical position (horizontal machine axis). The indicator and the corresponding grub screw d7 must be purchased separately. For further information on the indicators see the pages of articles K650 and K660.

(*) With adapter KS08050.T01 you can mount the indicator K650050.

Fixing method:

For fixing systems, or execution of keyways or square holes, please refer to the technical notes attached to the catalogue.

Special Requests:

On request and with a minimum of 50 pieces, the inserts can be supplied with the hole d1 with H7 tolerance and black-oxide finish.

Upon request and for special quantities inserts can be supplied with custom hole diameter d1.

Upon request and for special quantities inserts can be supplied in different materials/with different coatings.

The indicator must be ordered separately.

Upon request and for special quantities it is possible to change the indicator seat.

Combinations Diameters/Indicators:

d5=50 --> K650050

d5=80 --> K650080 or K660080



Code	art.	D	H	d	d2	M	C	C1	d3	d4	d5	d6	d7	d8	h	h3	h4
K087.T050P5.801P	K087.T050P5.801P	86	53	32	62	21	17	15	20	50,8	50	63	M6	M6	26,5	6,5	11,5
K100.T050P6.801P	K100.T050P6.801P	99	55,5	32	63	23,5	20,5	11,5	20	50,8	50	68	M6	M6	29	9	11,5
K130.T080P6.801P	K130.T080P6.801P	130	65,5	42	98	28,5	23,5	13,5	29	85,2	80*	90	M6	M8	34	10	13,5
K150.T080P6.801P	K150.T080P6.801P	149	69	42	101	31	25,5	12,5	29	85,2	80*	106	M6	M10	37	9	13,5
K175.T080P6.801P	K175.T080P6.801P	174	73	41	114	30	31,5	11,5	26	85,2	80*	126	M6	M10	39	11	13,5
K200.T080P6.801P	K200.T080P6.801P	201	71	46	136	24,5	32	14,5	30	85,2	80*	145	M6	M10	35	12	13,6

Attention: For a minimum of 50 pieces the diameter d1 can be customised (hole tolerance H10 galvanised and H7 black-oxide treated).

Dm = Maximum obtainable diameter for subsequent machining (widening).

Code	art.	h5	h6	Dm	d1	Q	Weight (g)
K087.T050P5.801P	K087.T050P5.801P	12	3	12	5,8	20	155
K100.T050P6.801P	K100.T050P6.801P	12	3,5	12	6,8	20	170
K130.T080P6.801P	K130.T080P6.801P	12,5	5	20	6,8	24	350
K150.T080P6.801P	K150.T080P6.801P	12,5	6,5	20	6,8	28	430
K175.T080P6.801P	K175.T080P6.801P	12,5	8	20	6,8	28	650
K200.T080P6.801P	K200.T080P6.801P	12,5	10	22	6,8	23	810

Attention: For a minimum of 50 pieces the diameter d1 can be customised (hole tolerance H10 galvanised and H7 black-oxide treated).

Dm = Maximum obtainable diameter for subsequent machining (widening).

50 mm d1 (H10 H7).

Dm = Dm

	art.	h5	h6	Dm	d1	Q	(g)
K087.T050P5.801P	K087.T050P5.801P	12	3	12	5,8	20	155
K100.T050P6.801P	K100.T050P6.801P	12	3,5	12	6,8	20	170
K130.T080P6.801P	K130.T080P6.801P	12,5	5	20	6,8	24	350
K150.T080P6.801P	K150.T080P6.801P	12,5	6,5	20	6,8	28	430
K175.T080P6.801P	K175.T080P6.801P	12,5	8	20	6,8	28	650
K200.T080P6.801P	K200.T080P6.801P	12,5	10	22	6,8	23	810

50 mm d1 (H10 H7).

Dm = Dm