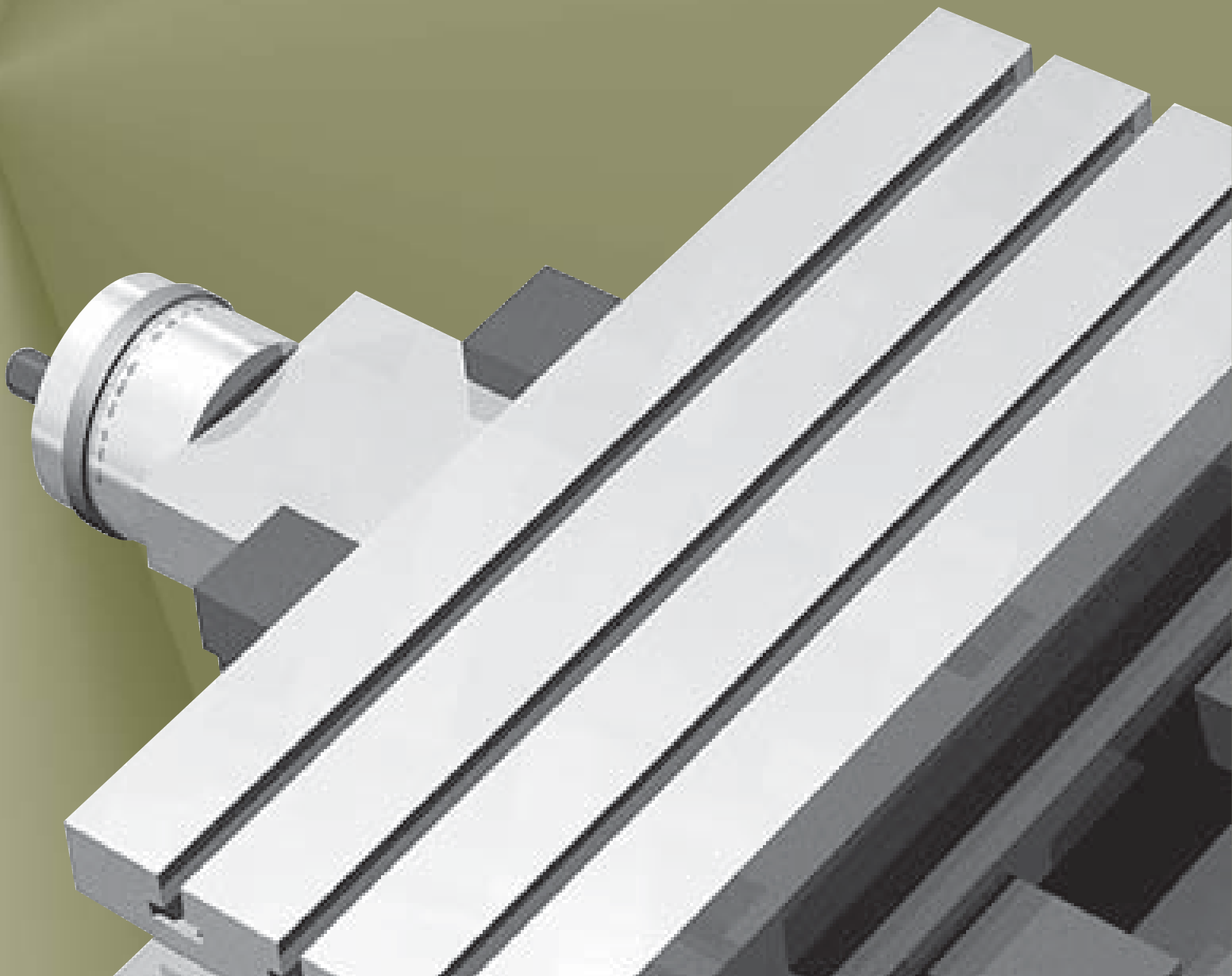


EUROMA[®]

COMPONENTS AND SUPPORTS



The "Z" modular structure is ideal for the manufacturing of rotary transfer machines. The large flexibility of the system enables to display the units supports in the required position. At any time, it is possible to implement your machine in expanding the number of stations by adding more units supports.

It is worth noting that even after many years of operation, your machine can be easily and quickly converted for machining different parts. (Also the potential trade-in value is higher than on conventional single purpose machines).

The configuration includes:

①-**Central round support in cast iron.** Provision is made to fit Euroma indexing tables models T.R.320 and T.H.350 in the center.

②-**Units supports.** Suitable to hold the operating units on their mounting supports. They can be set in any position around the central support to which they are secured by heavy duty clamping plates to ensure maximum rigidity.

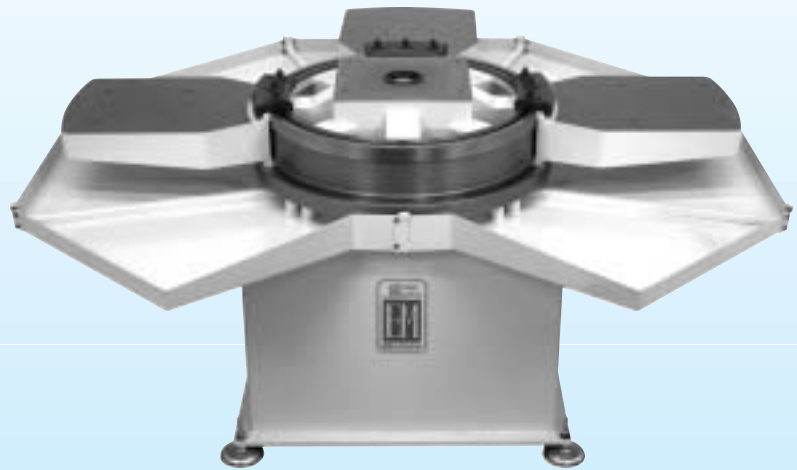
③-**Fabricated base.** Standing on 4 adjustable feet.

On request can be supplied:

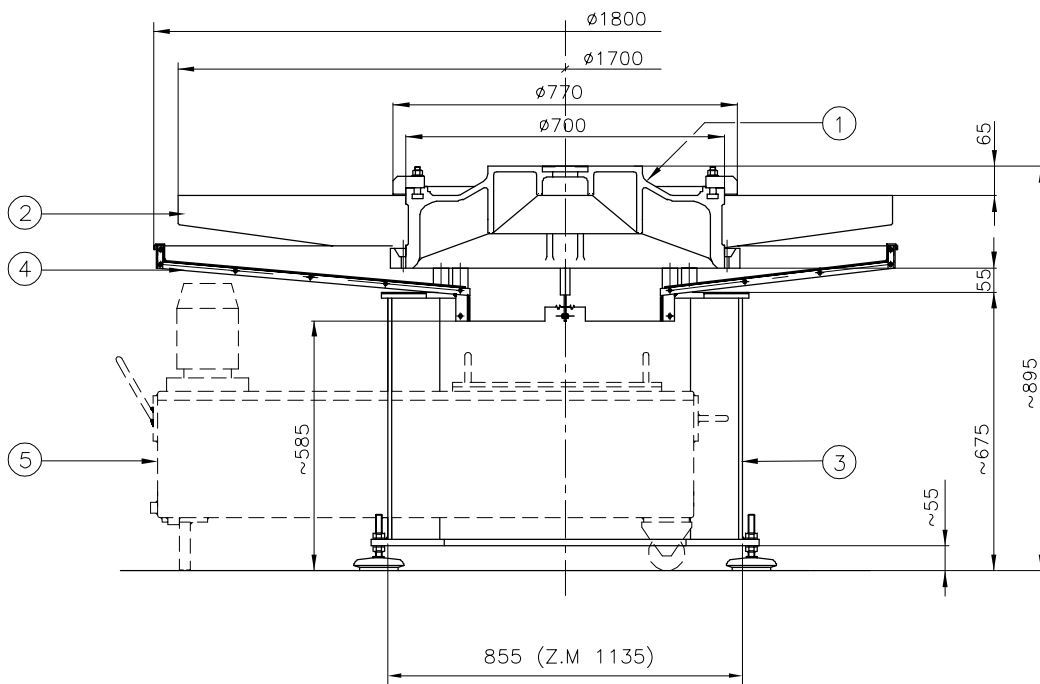
④-**Chip and coolant apron**

⑤-**Coolant tank with pump**

Electric cabinet complete according to the customer's specification.



	TECHNICAL FEATURES								
	MAX. NUMBER OF UNITS SUPPORTS	MINIMUM DISPLAY OF SUPPORTS	CENTRAL SUPPORT WEIGHT Kg (lbs) ①	SINGLE UNIT SUPPORT WEIGHT Kg (lbs) ②	FABRICATED BASE FRAME WEIGHT Kg (lbs) ③	COOLANT AND CHIP APRON WEIGHT Kg (lbs) ④	COOLANT/PUMP TANK WEIGHT Kg (lbs) ⑤	TANK CAPACITY lit. (Gal.)	STANDARD COLOR RAL
Z	7	45°	215 (470)	55 (120)	170 (372)	50 (109)	65 (142)	90 (23.7)	7035
Z.M	7	45°	215 (470)	55 (120)	280 (613)	50 (109)	65 (142)	90 (23.7)	7035

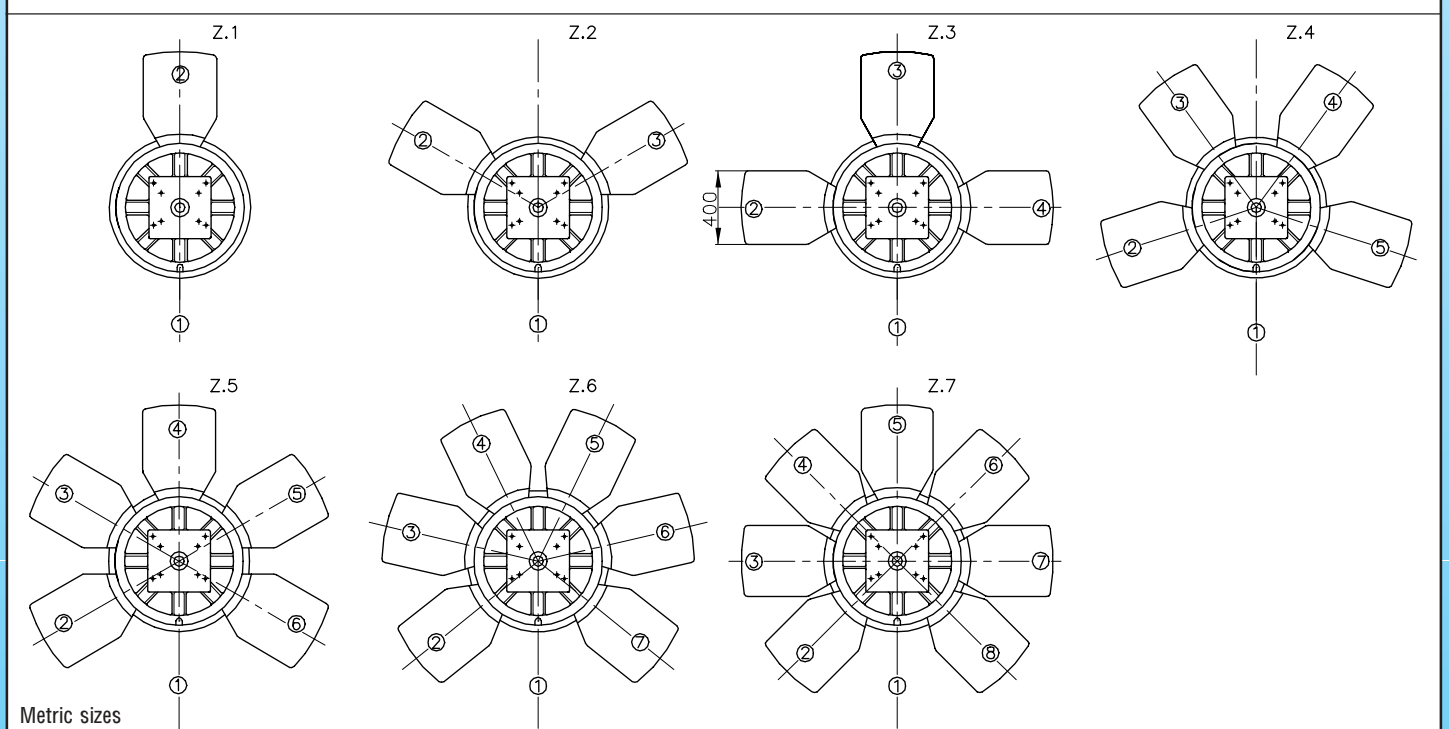


Metric sizes

STRUCTURE		SUPPORTS	NECESSARY COMPONENTS		ACCESSORIES	
TYPE	CODE	NO. OF SUPPORTS	CENTRAL SUPPORT	CODE	OPTIONAL: CHIP/COOLANT APRON	CODE
Z.1	28030111	1		28030004		28030002
Z.2	28030112	2				
Z.3	28030113	3				
Z.4	28030114	4				
Z.5	28030115	5				
Z.6	28030116	6				
Z.7	28030117	7				
			UNITS SUPPORT	CODE	OPTIONAL: TANK WITH PUMP	CODE
				28030005		28030010
			FABRICATED BASE	CODE	CONNECTING PLATE	CODE
				Z 28030001		28030007
				Z.M 28030006		

NOTE: only for supports at 45°

RANGE OF THE Z MODULAR STRUCTURE CONFIGURATIONS



The adoption of drum type fixture carrier B.X also, enables substantial reduction of indexing tables installation times as well as providing a basic solution to components chucking.

They are designed to be fitted to indexing tables model T.RPE.320 and T.HPE.350.

Models B.X are made of stabilized welded structure and horizontally mounted twin jaw chucks model B.AC110.

The carriers are available as follows:

Without pneumatic control circuit = B.X

With pneumatic control circuit = B.XP

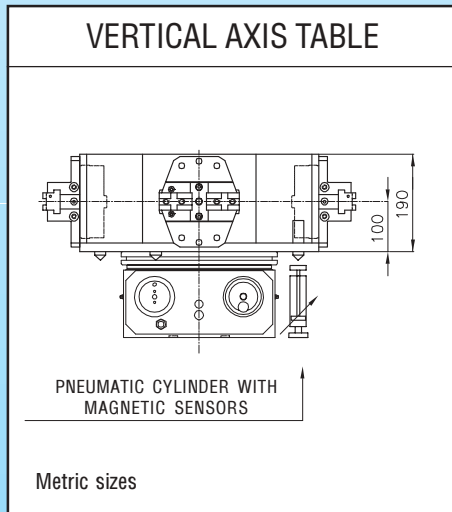
In models B.XP the chucks are operated by an air cylinder fitted with magnetic end switches actuating an air valve.

Air supply to the valving is via a rotary joint coming through the table center hole. Circuitry is laid out with copper tubing.

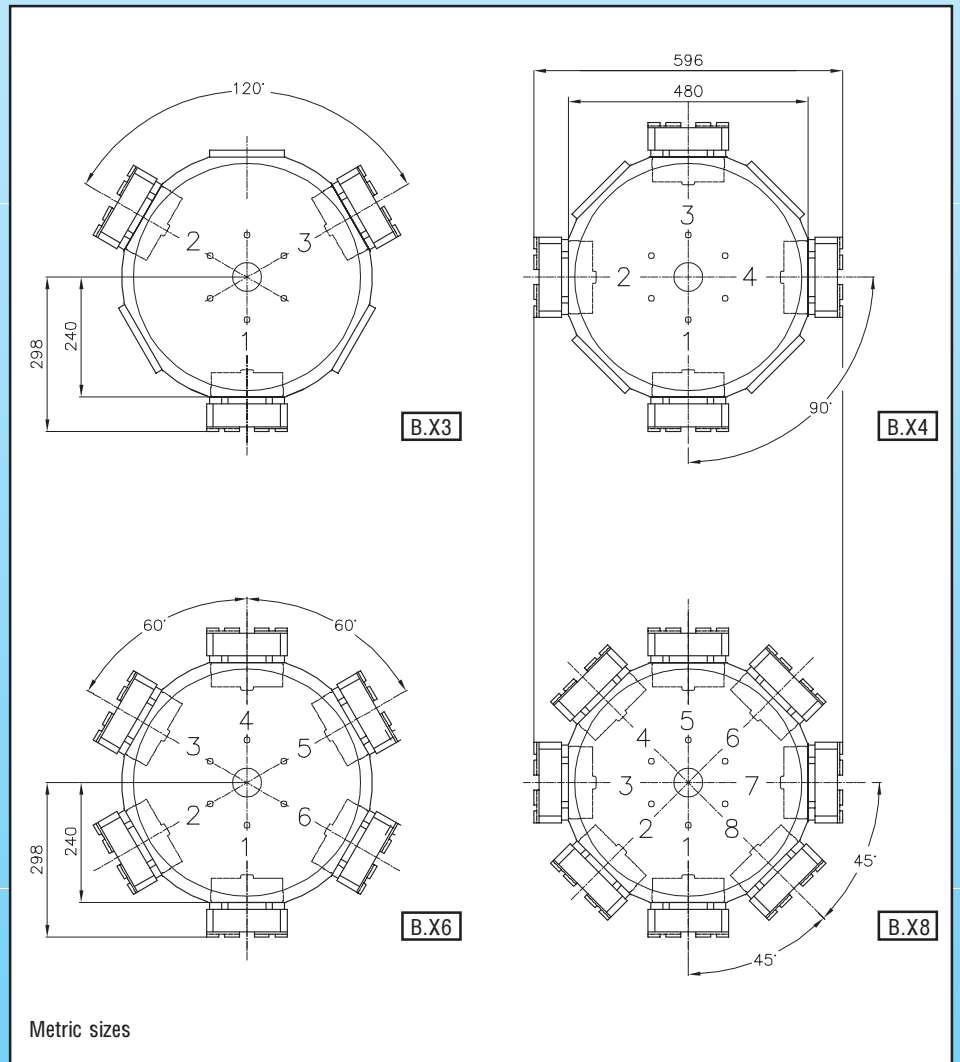
Available on request are:

- non standard fixtures
- fixtures designed for all different tables
- specific components clamping jaws.

INSERIRE LA FOTO NUOVA



		CODE	
		WITHOUT CIRCUIT	WITH CIRCUIT
B.X3	T.RPE.320	10810100	
	T.HPE.350	10810101	
B.XP3	T.RPE.320		10810105
	T.HPE.350		10810106
B.X6	T.RPE.320	10810110	
	T.HPE.350	10810111	
B.XP6	T.RPE.320		10810115
	T.HPE.350		10810116
B.X4	T.RPE.320	10810120	
	T.HPE.350	10810121	
B.XP4	T.RPE.320		10810125
	T.HPE.350		10810126
B.X8	T.RPE.320	10810130	
	T.HPE.350	10810131	
B.XP8	T.RPE.320		10810135
	T.HPE.350		10810136



The adoption of dial plate fixtures B.Y also, enables substantial reductions of indexing tables installation times as well as providing a basic solution to components chucking.

They are designed to be fitted to indexing tables model T.RPE.320 and T.HPE.350.

Models B.Y consist in a steel disc with vertically mounted twin jaw chucks model B.AM110.

The plates are available as follows:

Without pneumatic control circuit = B.Y

With pneumatic control circuit = B.YP

In models B.YP the chucks are operated by an air cylinder fitted with magnetic end switches actuating an air valve.

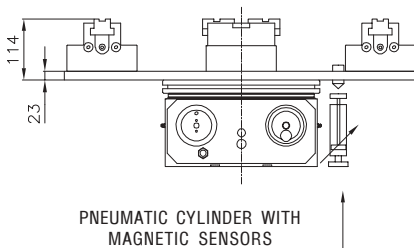
Air supply to the valving is via a rotary joint coming through the table center hole. Circuitry is laid out with copper tubing.

Available on request are:

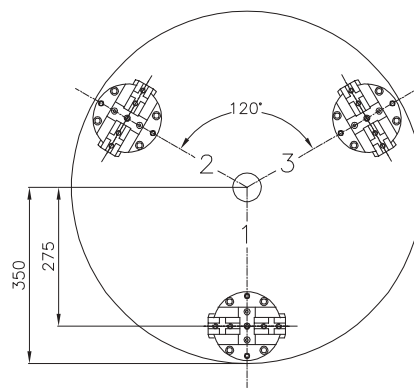
- non standard fixtures
- fixtures designed for all different tables
- specific components clamping jaws.



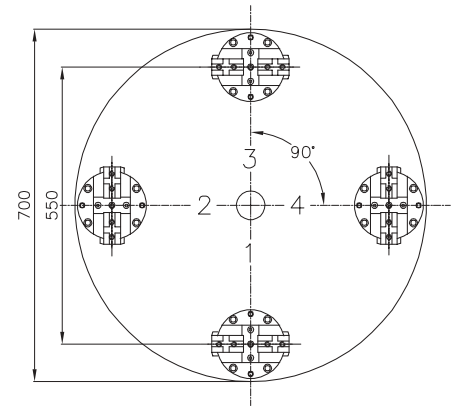
VERTICAL AXIS TABLE



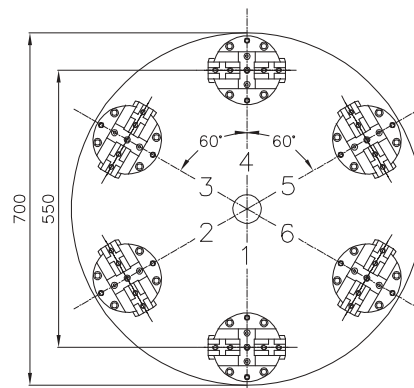
Metric sizes



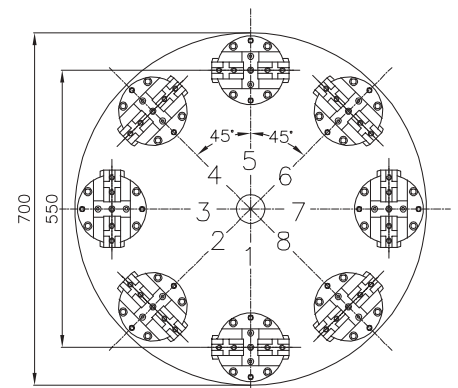
B.Y3



B.Y4



B.Y6



B.Y8

		CODE	
		WITHOUT CIRCUIT	WITH CIRCUIT
B.Y3	T.RPE.320	10810150	
	T.HPE.350	10810151	
B.YP3	T.RPE.320		10810155
	T.HPE.350		10810156
B.Y6	T.RPE.320	10810160	
	T.HPE.350	10810161	
B.YP6	T.RPE.320		10810165
	T.HPE.350		10810166
B.Y4	T.RPE.320	10810170	
	T.HPE.350	10810171	
B.YP4	T.RPE.320		10810175
	T.HPE.350		10810176
B.Y8	T.RPE.320	10810180	
	T.HPE.350	10810181	
B.YP8	T.RPE.320		10810185
	T.HPE.350		10810186

Flange mounting type chucks B.AC are utilized on rotary table transfer machines to firmly hold components to be processed.

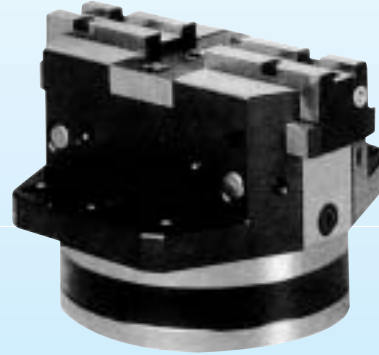
They can be either pneumatically or hydraulically operated.


Max **pneumatic** operating pressure is 9 bar (131 P.S.I.).

Max **hydraulic** operating pressure is 20 bar (290 P.S.I.), (12 bar/174 P.S.I. only on B.AC 85 and B.AC 110). Clamping force at 9, 12, 20 bar

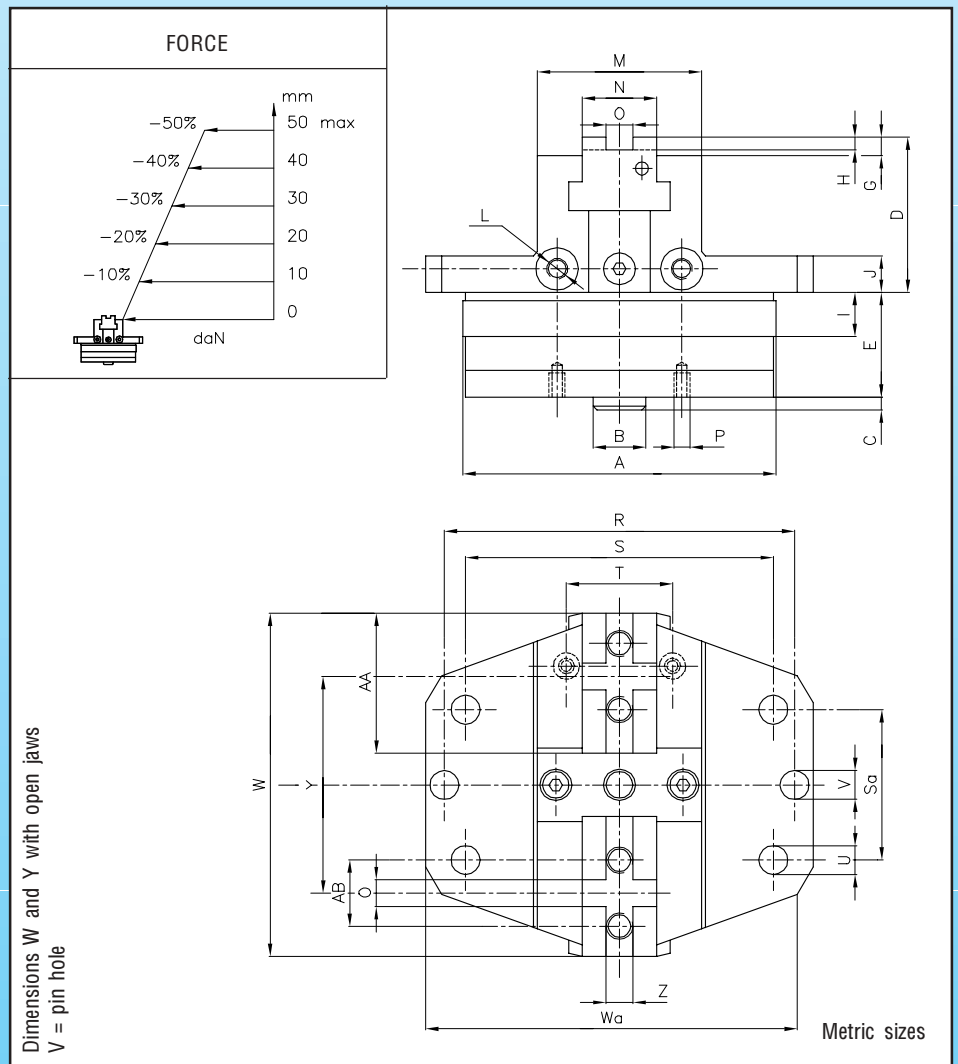
(131, 174, 290 P.S.I.) are proportional to the ones relative to 6 bar (87 P.S.I.) as shown in the chart below.

Soft jaws can be supplied on request.



	Code	Clamping force at 6 bar (87 P.S.I.) - Kgs (lbs)	Total jaws clamping mm (inch)		Cylinder Section cm ²		Weight (Kg)
			Closing	Opening	Closing	Opening	
B.AC 85	45010010	150	10	25.2	28.5	2	
B.AC 110	45010015	227	12	42.2	50.3	4.5	
B.AC 140	45010020	350	16	66.0	78.5	9	
B.AC 170	45010025	606	18	101.5	122.7	17	

85	110	140	170	B.AC
85 h6	100 h6	127.5 h6	155 h6	A
14 h6	16 h6	20 h6	25 h6	B
5.5	5.5	5	5.5	C
43 ±0.01	58 ±0.01	73 ±0.01	84 ±0.01	D
30	33	44	54	E
5	6	7.5	8	G
3.5	3.5	3.5	4	H
12	10	13	15	I
10	12	14	15	J
5MA	1/8" gas	1/8" gas	1/4" gas	L
45	60	75	90	M
20 h7	26 h7	34 h7	40 h7	N
8 H7	10 H7	12 H7	16 H7	O
5MA	1/8" gas	1/8" gas	1/8" gas	P
96	111	140	172	R
86	102	130	159	S
42.5	57	72	89	Sa
28	36	46.5	49	T
8.5	9	12.5	15	U
6	8	10	10	V
103	126	158	184	W
107	122	155	188	Wa
64	87	108	122	Y
6MA	8MA	8MA	10MA	Z
43.5	50	62.5	73	AA
20	25	33	40	AB



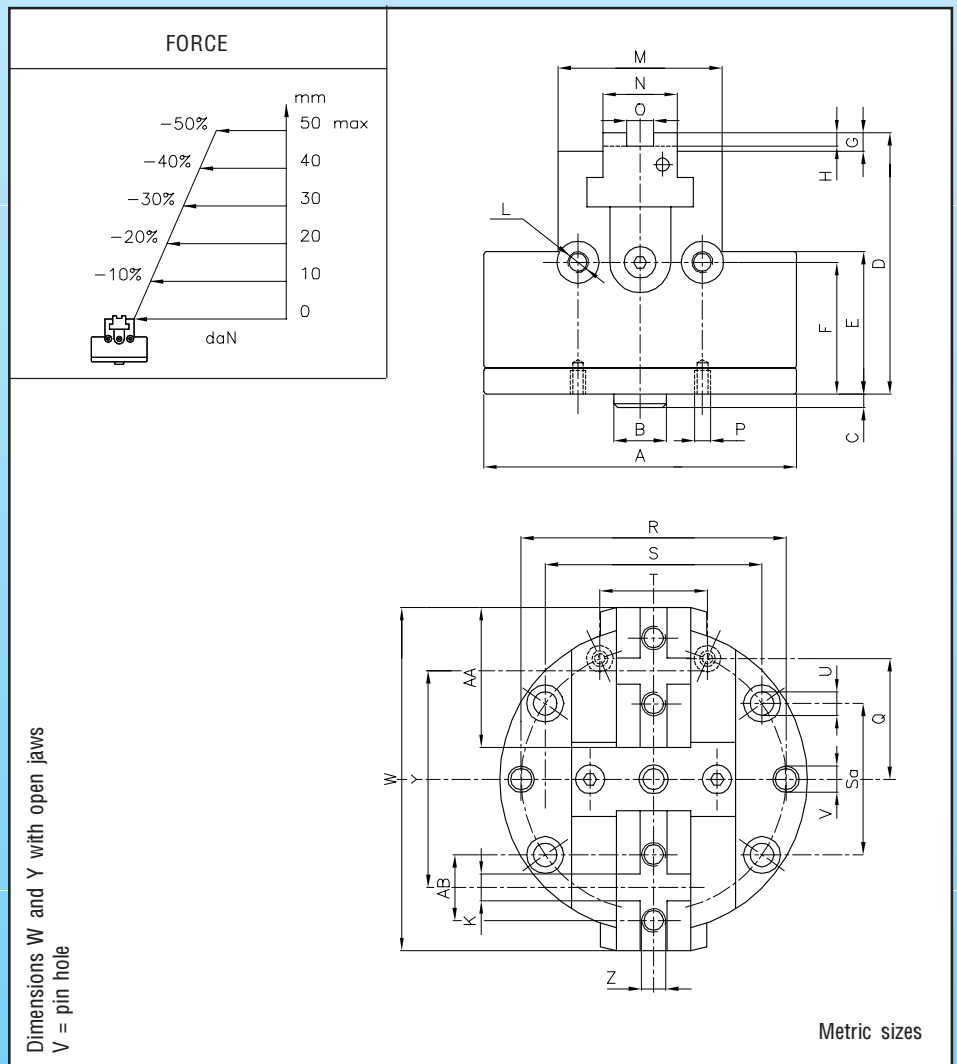
Rear mounting type chucks B.AM are of the same construction as B.AC series. This model is more satisfactory on applications in restricted spaces. They can be either pneumatically or hydraulically operated.

Max **pneumatic** operating pressure is 9 bar (131 P.S.I.).
 Max **hydraulic** operating pressure is 20 bar (290 P.S.I.), (9 bar/131 P.S.I. only on B.AM 52 and 12 bar/174 P.S.I. only on B.AM 85 and B.AM 110).
 Clamping force at 9, 12, 20 bar (131, 174, 290 P.S.I.) are **proportional** to the ones relative to 6 bar (87 P.S.I.) as shown in the chart below.
 Soft jaws can be supplied on request.



Code	Clamping force at 6 bar (87 P.S.I.) - Kgs (lbs)	Total jaws clamping mm (inch)	Cylinder Section cm ²		Weight (Kg)	
			Closing	Opening		
B.AM 52	45010030	40	5	6.8	8.5	0.6
B.AM 85	45010035	150	10	25.2	28.5	2
B.AM 110	45010040	227	12	42.2	50.3	4.5
B.AM 140	45010045	350	16	66.0	78.5	9
B.AM 170	45010050	606	18	101.5	122.7	17

52	85	110	140	170	B.AM
52	85	112	138	168	A
8 h6	14 h6	16 h6	20 h6	25 h6	B
4	5.5	5.5	5	5.5	C
50±0.01	73±0.01	91±0.01	117±0.01	138±0.01	D
29.5	40	45	58	68	E
28	36	41.5	50	67	F
3	5	6	7.5	8	G
2	3.5	3.5	3.5	4	H
4 H7	8 H7	10 H7	12 H7	16 H7	K
5MA	5MA	1/8"gas	1/8"gas	1/4"gas	L
29	45	60	75	90	M
12 h7	20 h7	26 h7	34 h7	40 h7	N
4 H7	8 H7	10 H7	12 H7	16 H7	O
3MA	5MA	5MA	8MA	8MA	P
19.5	33	44	56.5	68	Q
44	72	95	120	145	R
35.5	58.3	77	97	107	S
26	42.3	56	70.5	99	Sa
17	28	32	40	49	T
4.5	6.5	8.5	10.5	10.5	U
3	6	8	10	10	V
57.5	96	126	158	184	W
37.5	64	87	108	122	Y
3MA	6MA	8MA	8MA	10MA	Z
25	40	50	62.5	73	AA
12	20	25	33	40	AB



Linear tables G.TL are of similar design to the right angle ones of which they top movement only.


Their single movement results in even more rigid and compact structure capable of withstanding higher and milling stresses.

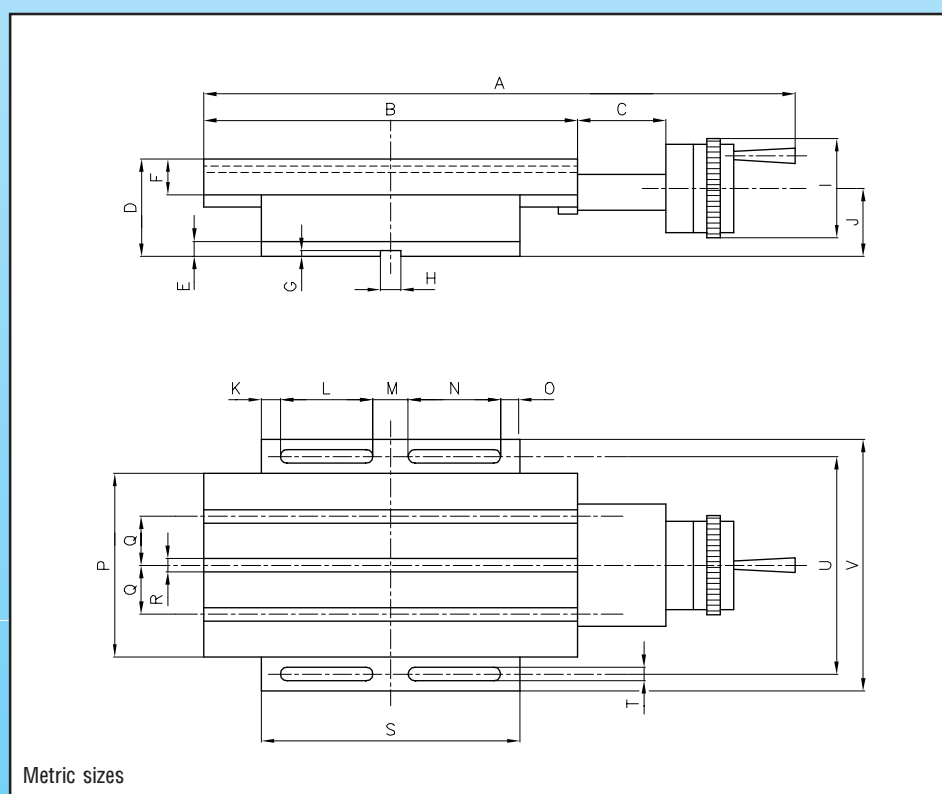
They can be installed in any position (horizontal, vertical, at an angle).

Other features are identical to the G.TO model.



TABLES DIMENSIONS					
G.TL200	G.TL300	G.TL400	G.TL500	G.TL600	QUOTE
490	570	770	870	1020	A
300	380	500	600	752	B
75	75	107	107	107	C
81	81	105	110	116	D
13	13	15	15	14	E
31	30.5	35.5	36	44	F
5	5	5	5	5	G
16 H7	16 H7	16 H7	16 H7	16 H7	H
74	74	100	100	100	I
40	40	58,5	60	59	J
16.5	43	52	76	76	K
77	77	110	110	110	L
33	40	51	80	180	M
77	77	110	110	110	N
16.5	43	52	76	80	O
155	165	202	250	300	P
40	41	53	64	95	Q
10 h7	10 h7	10 h7	14 h7	14 h7	R
220	280	375	452	560	S
13	13	16	16	16	T
178	196	238	294	348	U
210	230	280	340	400	V

	TECHNICAL DATA				
	CODE	STROKE mm (inch.)	WEIGHT KG (lbs)	FIXTURES MOUNTING HOLES	STANDARD COLOR RAL
G.TL200	46010200	210 (8.27")	23 (51)	on request	6011
G.TL300	46010205	285 (11.22")	35 (77)	on request	6011
G.TL400	46010210	410 (16.14")	66 (146.5)	on request	6011
G.TL500	46010215	500 (19.69")	93 (206.5)	on request	6011
G.TL600	46010220	600 (23.62")	162 (360)	on request	6011

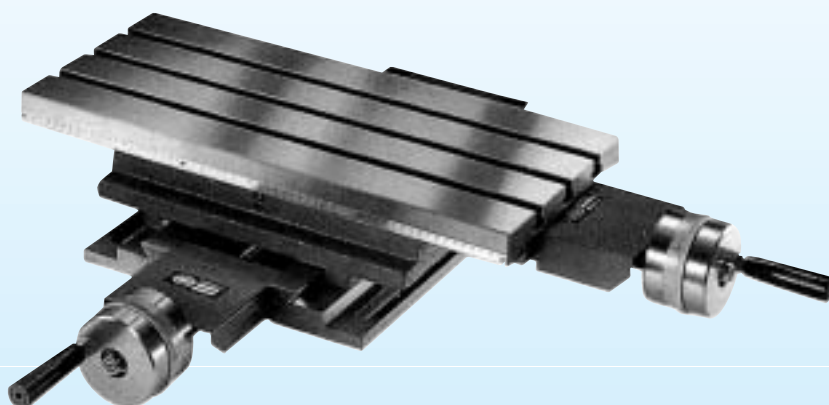


Right angle tables G.TO feature a very limited height in order improve their compactness. Top and bottom faces are ground, as well as the slid "T" slots.

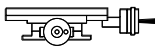
Screws have a trapezoidal section thread, and are held by axially adjustable double effect thrust bearings.

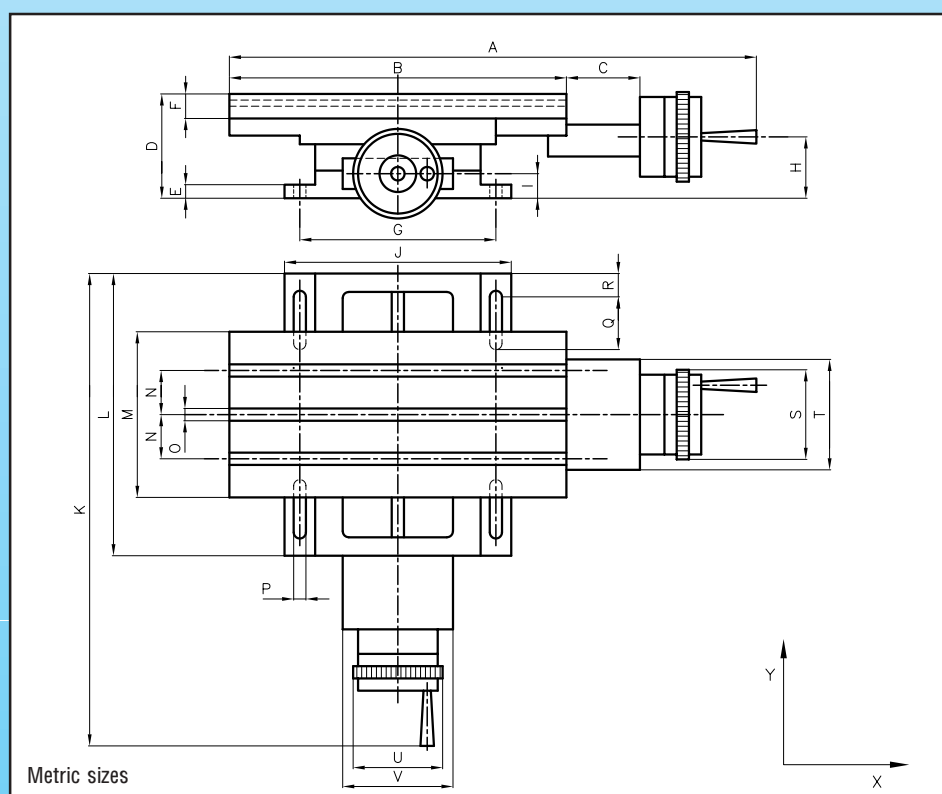
Both screws are fitted with independent locking devices as well as setting wheels with graduations for a 0.1 mm (.04") linear movement.

They can be installed in any position (horizontal vertical, at an angle).



TABLES DIMENSIONS					
G.TO200	G.TO300	G.TO400	G.TO500	G.TO600	QUOTE
490	570	770	870	1020	A
300	380	500	600	752	B
75	75	107	107	107	C
100	105	128	128	143	D
13.5	13.5	13.5	15	16,5	E
31	37,5	35,5	36	44	F
175	184	240	294	360	G
60	62,5	82,5	77	90	H
21.5	23	27	25	36	I
210	220	280	338	410	J
453	529	668	769	900	K
263	339	398	499	630	L
155	165	202	250	300	M
40	41	53	64	95	N
10 h7	10 h7	10 h7	14 h7	14 h7	O
13	13	16	16	16	P
76	77	110	110	85	Q
34	58.5	56	36	72.5	R
74	74	100	100	100	S
98	98	131	131	131	T
74	74	100	100	100	U
98	98	131	131	131	V

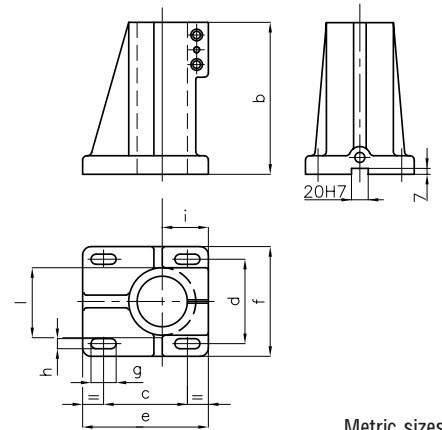
	TECHNICAL DATA					
	CODE	STROKE X mm (inch.)	STROKE Y mm (inch.)	WEIGHT KG (lbs)	FIXTURES MOUNTING HOLES	STANDARD COLOR RAL
G.TO200	46010100	200 (7.87")	235 (9.25")	23 (51)	on request	6011
G.TO300	46010105	270 (10.63")	315 (12.40")	35 (77)	on request	6011
G.TO400	46010110	310 (12.26")	410 (16.14")	66 (146.5)	on request	6011
G.TO500	46010115	400 (15.75")	500 (19.69")	93 (206.5)	on request	6011
G.TO600	46010120	500 (19.69")	610 (24.02")	162 (360)	on request	6011



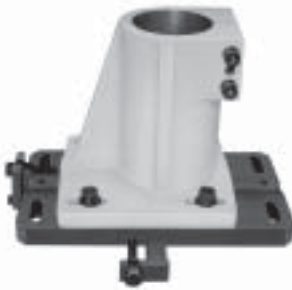


E.AE60 code 10410010
E.AE85 code 10410015

E.AE60		E.AE85		
60	85			a
180	200			b
100	125			c
100	140			d
150	190			e
130	180			f
30	43			g
11	13			h
55	70			i
70	95			l

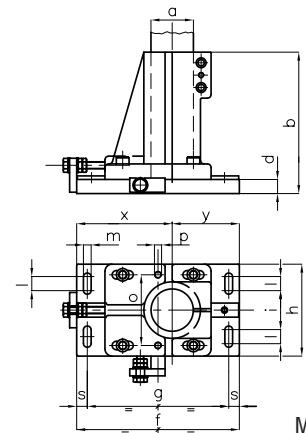


Metric sizes



E.GE60 code 10410210
E.GE85 code 10410215

E.GE60		E.GE85		
60	85			a
200	225			b
20	25			d
230	300			f
200	260			g
130	180			h
55	80			i
20	30			l
11	13			m
100	100			o
M5	M5			p
15	20			s
135	175			x
95	125			y



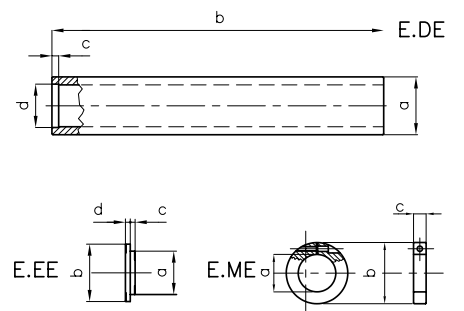
Metric sizes



E.DE60 code 10410.....
E.DE85 code 10410.....
E.EE60 code 10410180
E.EE85 code 10410185
E.ME60 code 10410260
E.ME85 code 10410265

E.DE60		E.DE85		
60	85			a
400 - 500 - 600	400 - 500 - 600			b
7	7			c
45	65			d

E.EE60	E.EE85	E.ME60	E.ME85	
45	65	60	85	a
59.5	84.5	98	124	b
5	5	20	20	c
5	10			d

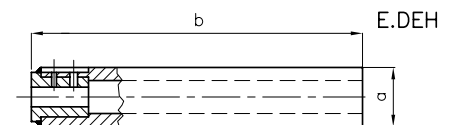


Metric sizes



E.DEH60 code 10410.....
E.DEH85 code 10410.....
E.DEH85.200 code 10410.....

E.DEH60	E.DEH85	E.DEH85.200	
60H	85H	85H.200	a
400 - 500 - 600	400 - 500 - 600	600 - 700	b

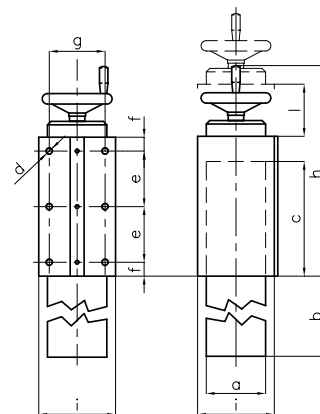


Metric sizes

NOTE: The tub E.DEH is used with support E.HE



E.HE60	E.HE85	E.HE85.200	
60	85	85	a
see at E.DE column	see at E.DE column	see at E.DE column	b
150	165	335	c
N°10 holes M10x25	N°10 holes M10x25	N°10 holes M10x25	d
55	40	40	e
40	20	20	f
60	80	80	g
293	303	600	h
80	110	110	i
60	75	200	l'



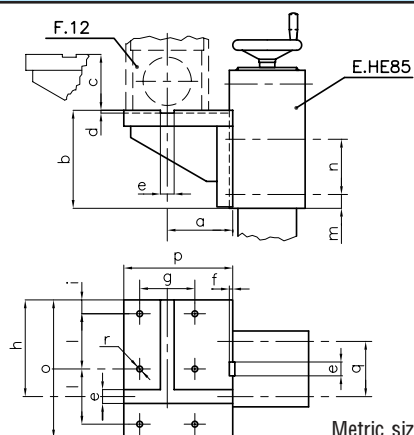
E.HE60 code 10410220
 E.HE85 code 10410225
 E.HE85.200 code 10410...

N.B. E.HE must be ordered with E.DEH

Metric sizes



E.PE85	
95	a
142	b
80	c
4	d
20	e
5	f
80	g
140	h
20	i
80	l
20	m
80	n
200	o
158	p
80	q
8.5	r

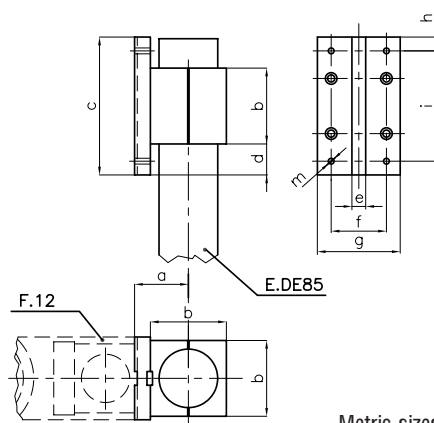


E.PE85 code 10410280

Metric sizes

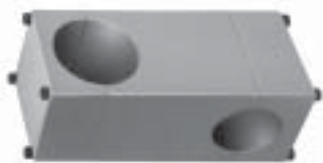


E.RE85	
78	a
110	b
200	c
45	d
20	e
80	f
120	g
20	h
160	i
8.5	m



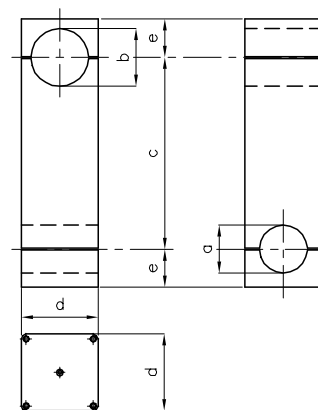
E.RE85 code 10410285

Metric sizes



E.BIE50/60/200 code 10410025
 E.BIE60/60/200 code 10410035
 E.BIE70/85/200 code 10410040
 E.BIE85/85/200 code 10410045

E.BIE50 60/200	E.BIE60 60/200	E.BIE70 85/200	E.BIE85 85/200	
50	60	70	85	a
60	60	85	85	b
200	200	200	200	c
80	80	110	110	d
40	40	55	55	e

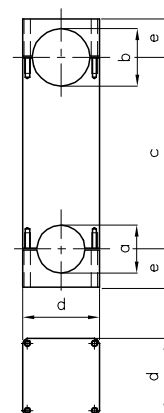


Metric sizes



E.BPE50/60/200 code 10410055
 E.BPE60/60/200 code 10410065
 E.BPE70/85/200 code 10410070
 E.BPE85/85/200 code 10410075

E.BPE50 60/200	E.BPE60 60/200	E.BPE70 85/200	E.BPE85 85/200	
50	60	70	85	a
60	60	85	85	b
200	200	200	200	c
80	80	110	110	d
40	40	55	55	e

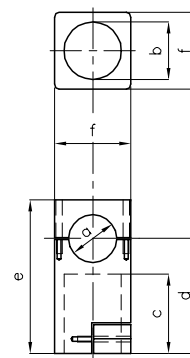


Metric sizes



E.CFE50 code 10410080
 E.CFE60 code 10410085
 E.CFE70 code 10410090
 E.CFE85 code 10410095

E.CFE50	E.CFE60	E.CFE70	E.CFE85	
50	60	70	85	a
60	60	85	85	b
83	83	103	103	c
120	120	155	155	d
160	160	210	210	e
80	80	110	110	f

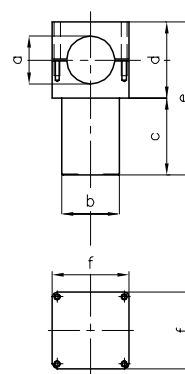


Metric sizes




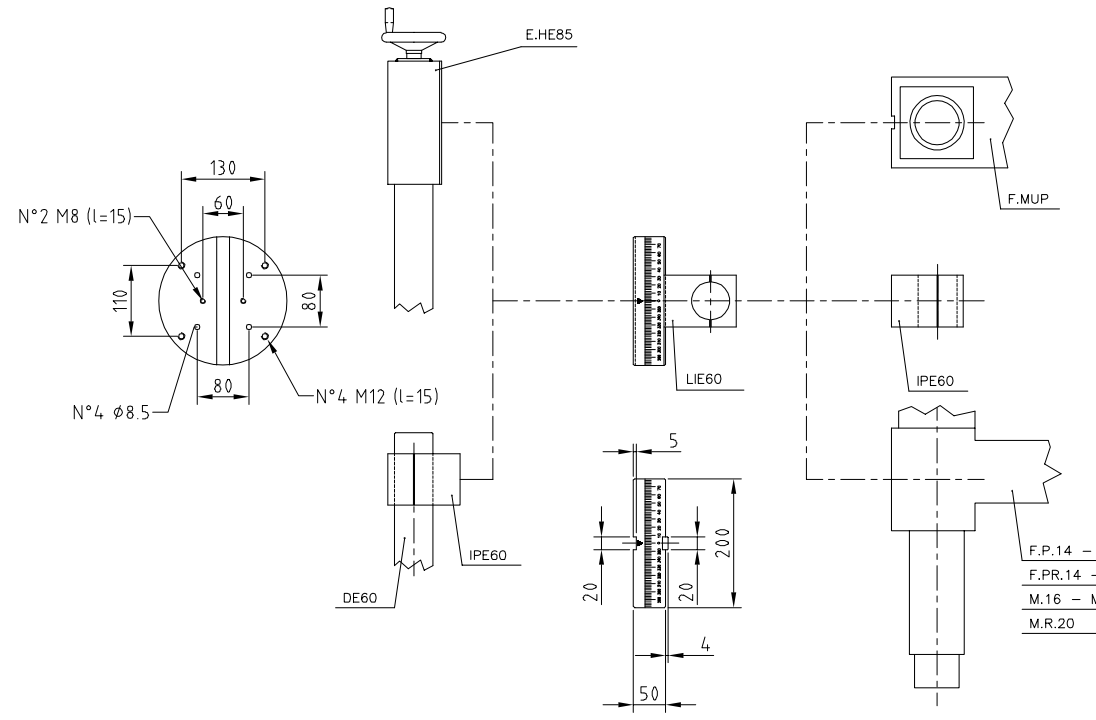
E.CME50 code 10410100
 E.CME60 code 10410105
 E.CME70 code 10410110
 E.CME85 code 10410115

E.CME50	E.CME60	E.CME70	E.CME85	
50	60	70	85	a
60	60	85	85	b
80	80	100	100	c
80	80	110	110	d
160	160	210	210	e
80	80	110	110	f



Metric sizes

E.JE85/200

Top View Dimensions:
 Total width: 130
 Distance between M8 holes: 60
 Distance between M12 holes: 80
 Total height: 110
 Distance from top edge to M8 holes: 80
 Hole diameters: N°2 M8 (l=15), N°4 $\phi 8.5$, N°4 M12 (l=15)

Side View Dimensions:
 Total height: 200
 Flange thickness: 5
 Flange offset: 20
 Mounting hole offset: 4
 Base offset: 50


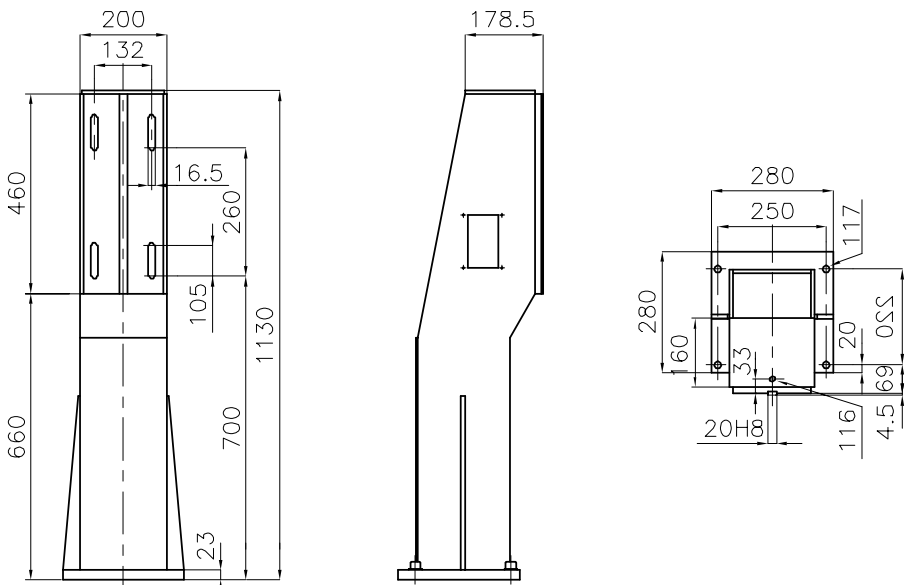
Component Labels:
 E.HE85, F.MUP, LIE60, IPE60, DE60, F.P.14, F.PR.14, M.16, M.R.20

Metric sizes

E.JE85/200 code 10410240

NOTE. The F.14/20 - M.16/20 can be attached with its feet

E.KE120


Front View Dimensions:
 Total height: 1130
 Top width: 200
 Middle width: 132
 Distance from top to middle section: 460
 Middle section height: 260
 Distance from middle section to base: 700
 Base width: 23

Side View Dimensions:
 Total height: 178.5

Top View Dimensions:
 Total width: 280
 Inner width: 250
 Distance from side to inner edge: 117
 Flange thickness: 20
 Flange offset: 4.5
 Mounting hole offset: 116
 Mounting hole diameter: $\phi 8$
 Mounting hole offset from center: 33
 Mounting hole diameter: 20

Metric sizes

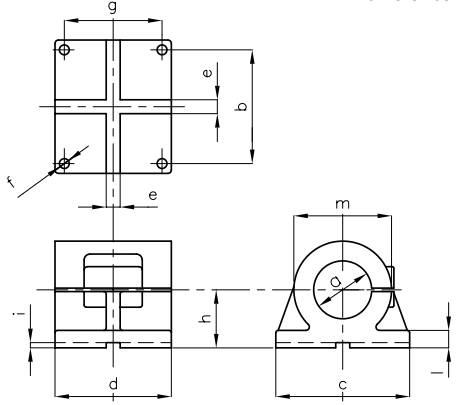
E.KE120 code 10410245




E.FE50 code 10410190
E.FE60 code 10410195
E.FE100 code 10410197

E.FE50	E.FE60	E.FE100	
50	60	100	a
98	98	130	b
115	115	160	c
100	100	160	d
12	12	20	e
8.5	8.5	10.5	f
84	84	130	g
50	50	85	h
4.5	4.5	5	i
15	15	15	l
84	84	130	m

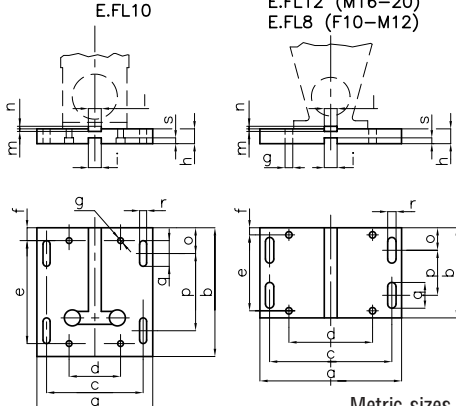
Metric sizes






E.FL8 code 10410206
E.FL10 code 10410207
E.FL12 code 10410208

E.FL 8	E.FL10	E.FL12	
190	180	220	a
80	200	140	b
160	150	190	c
98	80	130	d
58	160	110	e
11	20	11	f
M8 (n°4)	ø 9 (n°4)	M12 (n°4)	g
23	23	23	h
12	20	20	i
12	20	20	l
4	4	4	m
4	4	4	n
20	40	35	o
40	120	70	p
30	40	40	q
11	11	13	r
9	9	9	s

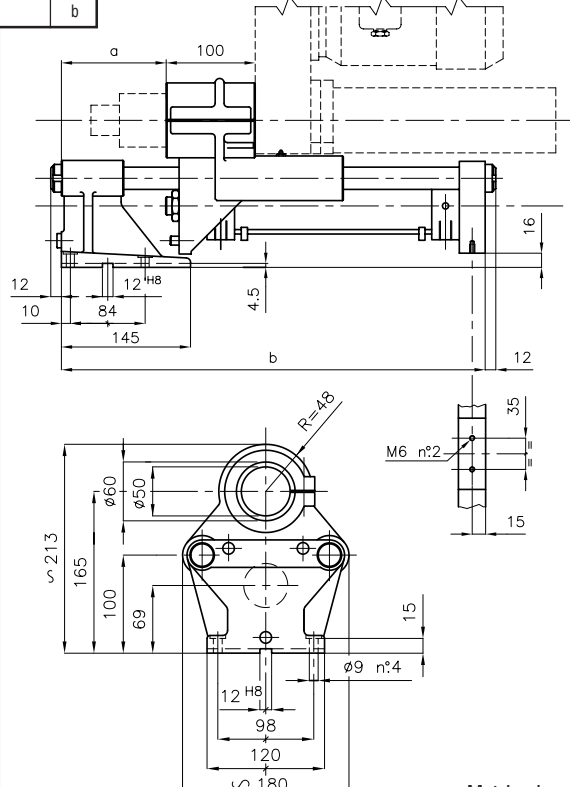


Metric sizes

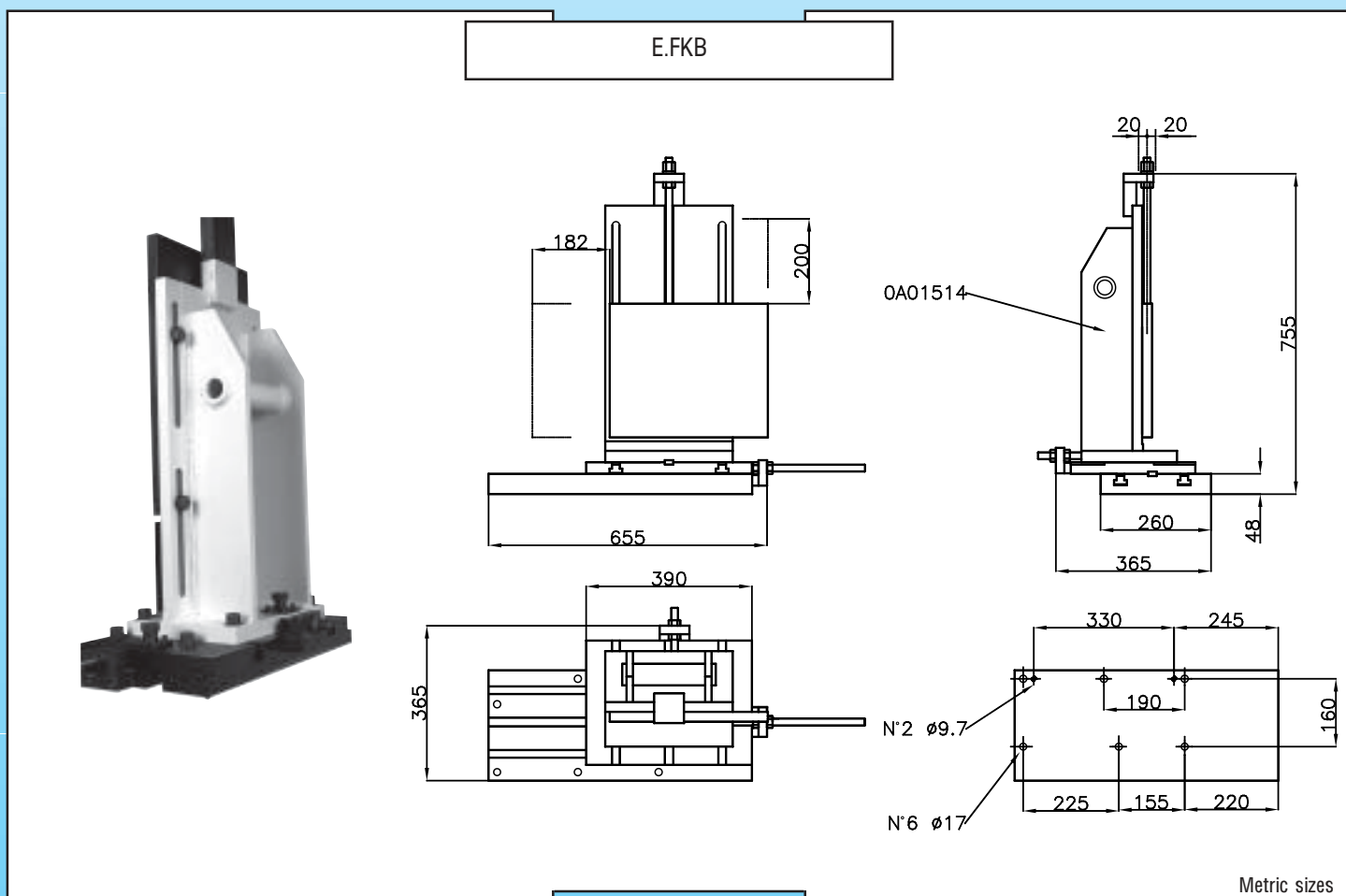
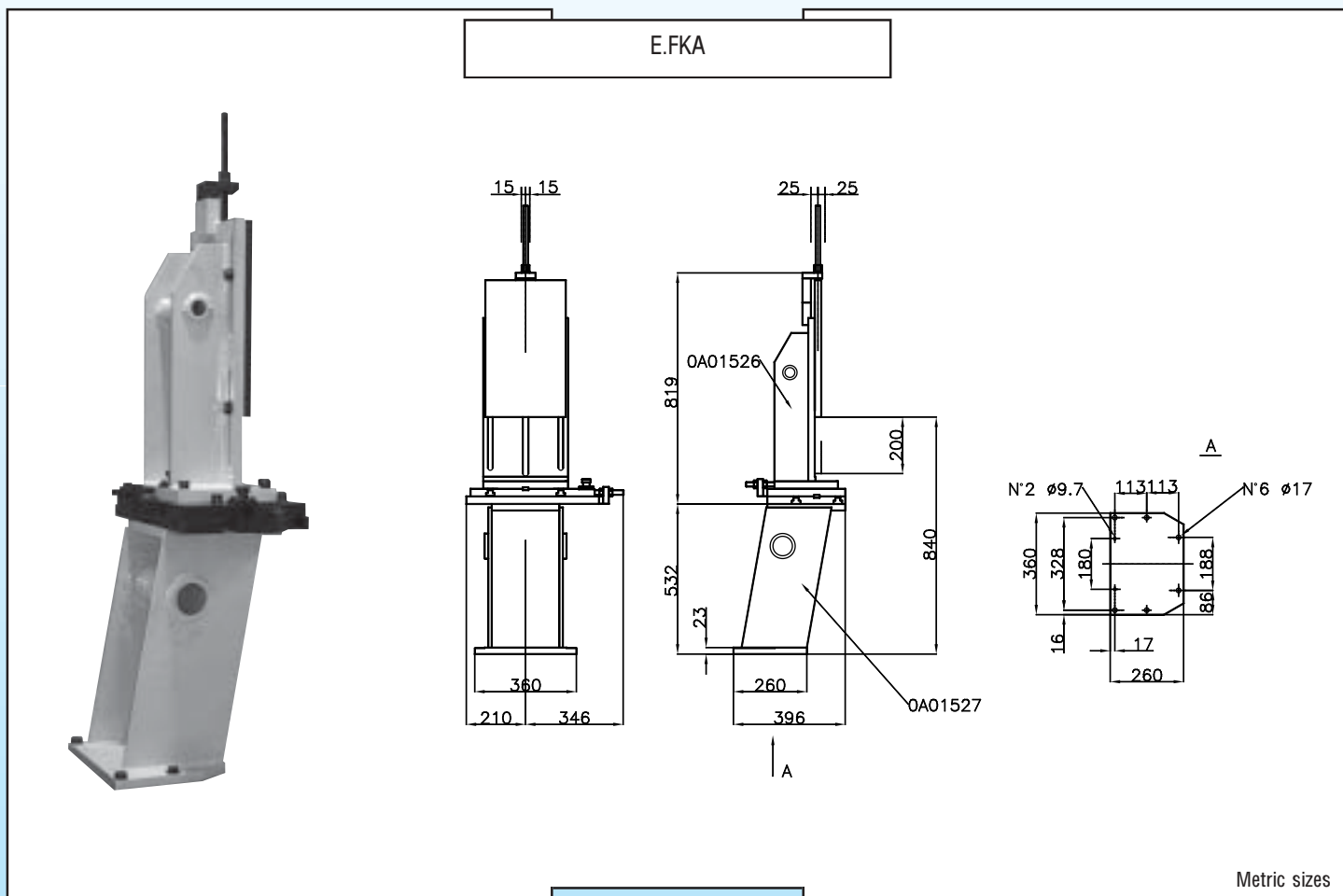


E.SL50 code 10310010
E.SL100 code 10310015

PNEUMATIC SLIDES		
E.SL50	E.SL100	
71	121	a
376	476	b




Metric sizes



E.

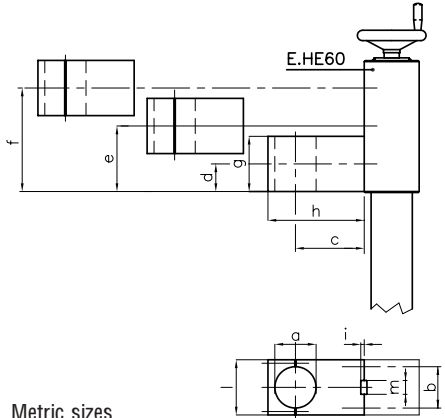
UNITS SUPPORTS



E.IPE50/100
E.IPE60/100

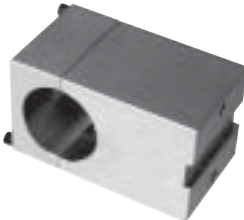
code 10410232
code 10410237

E.IPE50/100		E.IPE60/100	
50	60	a	
60	60	b	
100	100	c	
40	40	d	
95	95	e	
150	150	f	
80	80	g	
140	140	h	
5	5	i	
80	80	l	
20	20	m	



E.HE60

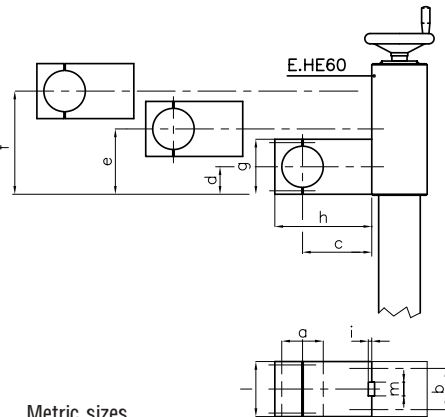
Metric sizes



E.LIE50/100
E.LIE60/100

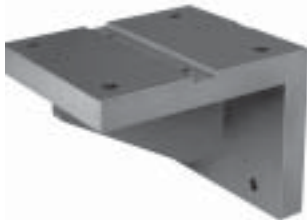
code 10410252
code 10410257

E.LIE50/100		E.LIE60/100	
50	60	a	
60	60	b	
100	100	c	
40	40	d	
95	95	e	
150	150	f	
80	80	g	
140	140	h	
5	5	i	
80	80	l	
20	20	m	



E.HE60

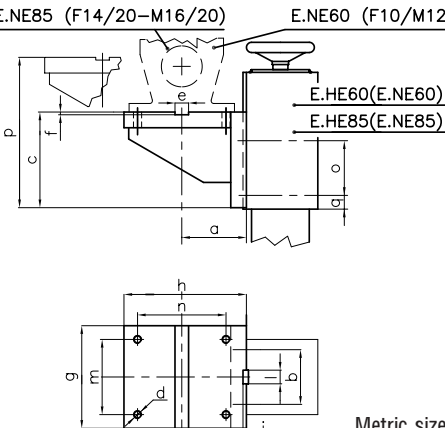
Metric sizes



E.NE60
E.NE85

code 10410272
code 10410270


E.NE60		E.NE85	
95	95	a	
60	80	b	
100	140	c	
M8	M12	d	
12	20	e	
4	4	f	
80	150	g	
155	180	h	
5	5	i	
20	20	l	
58	110	m	
98	130	n	
7	80	o	
135	220	p	
20	20	q	



E.NE85 (F14/20-M16/20) E.NE60 (F10/M12)

E.HE60(E.NE60)
E.HE85(E.NE85)

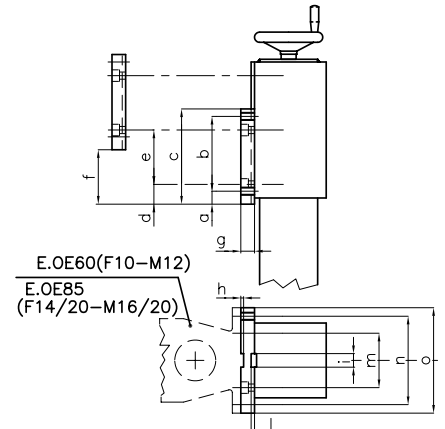
Metric sizes



E.OE60
E.OE85

code 10410274
code 10410275

E.OE60		E.OE85	
11	19	a	
58	110	b	
80	140	c	
29	29	d	
7	80	e	
55	80	f	
20	20	g	
4	4	h	
12/20	20	i	
5	5	l	
60	80	m	
98	130	n	
120	155	o	



E.OE60(F10-M12)
E.OE85 (F14/20-M16/20)

Metric sizes