



# ELMECA

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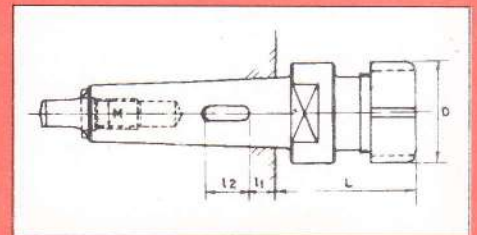
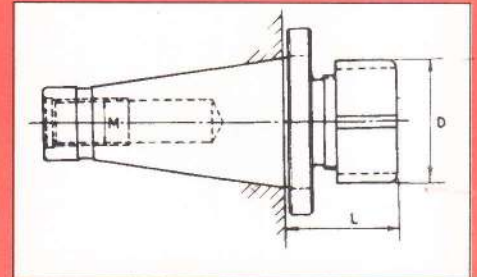
## ELMECA 'E' Series Milling Adaptors

### Milling Adaptors With I.S.O. And Morse Taper Shanks With Collets

These adaptors can be used on milling machines of any make, indigenous or

imported, for holding straight shank end mills, cutters, drills, reamers, etc. Made of alloy case-hardening steel to international standards, these adaptors with inch or metric draw bolt threads and a set of collets can be supplied to customers' requirements.

Standard Collet Sets :  
 INCH - 3/16", 1/4", 3/8", 1/2", 5/8", 3/4", 1"-set of 7 collets.  
 MM - 4, 6, 8, 10, 12, 16, 20, 25 - set of 8 collets.

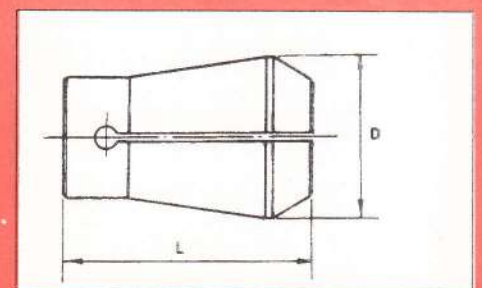


Code No	Capacity	Shank Taper	D	L	Thd M	Wt. in kg.	Collet Type
AE 30-25	2-16	ISO 30	50	51	M12 or 1/2" BSW	0.57	E25
AE 30-32	2-20		50	70		0.60	E32
AE 30-40	3-25		65	91	0.62	E40	
AE 40-32	2-20	ISO 40	50	40	M16 or 5/8" BSW	1.72	E32
AE 40-40	3-25		65	59		1.75	E40
AE 40-45	5-32		70	63	1.19	E45	
AE 50-40	3-25	ISO 50	65	-60	M24 or 1" BSW	2.9	E40
AE 50-45	5-32		70		2.8	E45	
AE 60-40	3-25	ISO 60	65	-66	M30 or 1.1/4" BSW	-	E40
AE 60-45	5-32		70		-	E45	

**Ordering Example :** For machine having ISO 50 taper and drawbolt thds 1" BSW against requirement of adaptor with maximum collet cap of 40mm the order should be read as :

**Milling adaptor model AE 50-40 x M 16**

Code No	Capacity	Shank Taper	D	L	L1	L2	Thds M	Wt. kg.	Collet Type
AET 1-25	2-16	MT1	50	-	-	-	Tang	-	E25
AED 1-25				-	-	-	M6 or 1/4" BSW	-	
AET 2-32	2-20	MT2	50	100	-	-	Tang	0.46	E32
AED 2-32				100	-	-	M10 or 3/8" BSW	0.47	
AET 2-40	3-25	MT2	65	103	-	-	Tang	0.47	E40
AED 2-40				100	-	-	M10 or 3/8" BSW	0.49	
AET 3-32	2-20	MT3	50	111	22	33.5	Tang	1.07	E32
AED 3-32				107	-	-	M12 or 1/2" BSW	1.12	
AET 3-40	3-25	MT3	65	111	22	33.5	Tang	1-12	E40
AED 3-40				111	-	-	M12 or 1/2" BSW	1.135	
AET 4-40	3-25	MT4	65	116	22	36.5	Tang	1.37	E40
AED 4-40				122	-	-	M16 or 5/8" BSW	1.44	
AET 4-45	5-32	MT4	70	104	22	36.5	Tang	1.34	E45
AED 4-45				104	-	-	M16 or 5/8" BSW	1.47	
AET 5-40	3-25	MT5	65	115	22	41.5	Tang	2.1	E40
AED 5-40				115	-	-	M20 or 3/4" BSW	2.1	
AET 5-45	5-32	MT5	70	93	22	41.5	Tang	2.1	E45
AED 5-45				93	-	-	M20 or 3/4" BSW	2.15	
AET 6-40	3-25	MT6	65	118	22	35	Tang	5.8	E40
AED 6-40				118	-	-	M24 or 1" BSW	5.95	
AET 6-45	5-32	MT6	70	118	22	35	Tang	6.05	E45
AED 6-45				118	-	-	M24 or 1" BSW	6.15	



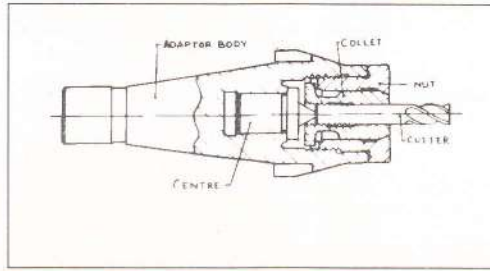
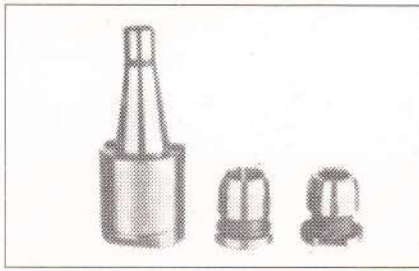
Collet Type	Capacity	D	L
E25	1-16	25	35
E32	2-20	32	53
E40	3-25	40	61
E45	5-32	45	50

**Ordering Example :** For machine having MT4 taper and drawbolt thds of M16 and adaptor required 25mm cap. then order **AED4-40 x M16**.

# ELMECA Auto-grip Milling Adaptors

Designed for Outstanding Precision Performance, Extra Strength, Maximum Rates Of Feed and Speed, And Better Quality Work.

The conventional and more common adaptor can hold plain cutters, whereas Autogrip Adaptor holds cutters having external threading on the shanks.



Code No	Capacity (Cutter)	Shank Taper	D	L	Thds M	Wt. kg. Approx.	Collet Type	Collet Size
AG I-30	20	ISO 30	44	54	M12 or 1/2" BSW	0.84	AG I	6, 10, 12, 16 or 1/4"
AG I-40	20	ISO 40	60	42	M16 or 5/8" BSW	1.1	AG I	-do-
AG II-40	50		70	60	5/8" BSW	1.75	AG II	25, 32 or 1", 1.1/4"
AG I-50	20	ISO 50	100	27	M24 or 1" BSW 2.7	-	AG I	-
AG II-50	50			57	1" BSW 2.7	3.7	AG II	25, 32 or 1", 1.1/4"
AG I-60	20	ISO 60	160	46	M30 or 1.1/4" BSW	-	AG I	-
AG II-60	50			1.15	1.1/4" BSW	-	AG II	25, 32 or 1", 1.1/4"

**Ordering Example :** For machine having ISO 50 taper and drawbolt thds M 24 cutter cap required 50mm, the order should read as : **AG II-50 x M24** and collet : **AG II x Bore Size.**

**Note :** AG I is supplied with 4 Std. collets 6, 10, 12 & 16 or 1/4", 3/8", 1/2" & 5/8" AG II is Supplied with 2 Std. collets 25, 32 or 1", 1.1/4".

## Features

**Autogrip Adaptor** is specially designed for heavy duty work and to promote and maintain better working accuracy. It holds the cutters very rigidly and accurately. You can mill dead true to size in one pass – every time.

**Simple In Design** – just 4 parts - aiding accuracy and ensuring trouble-free service. **Quick To Load and Unload.** With its increased gripping power, you can mill at maximum rates of feed and speed with perfect safety.

**One Autogrip Milling Adaptor** accommodates many different cutters in various sizes.

**All-Round Economy** - reduced running costs, better quality work, faster output.

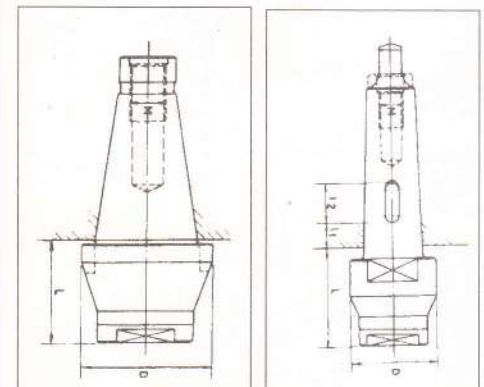
## Capacity

**Small Autogrip Adaptor (Size 1):** Accommodates cutters with shank sizes 1/16" to 3/4" or 2mm to 20mm diameter.

**Large Autogrip Adaptor (Size 2):** Accommodates cutters with shank sizes 13/16" to 2" or 21mm to 50mm diameter.

**Both Sizes can be supplied with ISO-40, ISO-50, and Morse Taper Shanks.**

Code No	Capacity	Shank Taper	D	L	L1	L2	Thds M	Wt. in kg.	Collet Type	Collet Size
AG I-T2	20	MT2	44	74	-	-	Tang	0.52	AG I	-
AG I-D2					-	-	M10 or 3/8" BSW	0.53		
AG I-T3	20	MT3	44	74	22	33.5	Tang	0.8	AG I	-
AG I-D3					-	-	M12 or 1/2" BSW	0.8		
AG I-T4	20	MT4	44	61	22	36.5	Tang	0.95	AG I	-
AG I-D4					-	-	M16 or 5/8" BSW	-		
AG II-T4	50	MT4	44	78	22	36.5	Tang	1.2	AG II	25, 32 or 1", 1.1/4"
AG II-D4					-	-	M16 or 5/8" BSW	1.5		
AG I-T5	20	MT5	60	53	22	41.5	Tang	2.1	AG I	-
*AG I-D5					-	-	M20 or 3/4" BSW	2.2		
AG II-T5	50	MT5	70	73	22	41.5	Tang	2.68	AG I	25, 32 or 1", 1.1/4"
AG II-D5					-	-	M20 or 3/4" BSW	2.7		
AG I-T6	20	MT6	84	57	-	-	Tang	5.9	AG I	-
AG I-D6					-	-	M24 or 1" BSW	6.1		
AG II-T6	50	MT6	84	59	22	35	Tang	6.4	AG II	25, 32 or 1", 1.1/4"
AG II-D6					-	-	M24 or 1" BSW	6.62		
AG I-R8	20	R8	44	70	-	-	7/16 UNF	-	AG I	-
AG I-H30	20	H30 or MITR	44	70	-	-	M12 x 1.5 P or 7/16 UNF	-	AG I	-



**Ordering Example:** For machine having MT6 Taper and Tang Drive TType and cutter cap. 20mm Autogrip adaptor to be specified as :

**AG I-T6 and collet AG I x Bore Size**

**Note :** AG I supplied with 4 std. collets 6, 10, 12, 16, or 1/4", 3/8", 1/2", 5/8". AG II supplied with 2 std. collets 25, 32 or 1", 1.1/4".



keeping in step with today's technological strides, we make improvements in the designs of our products. Hence the product supplied may have features different from those described in this bulletin.

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