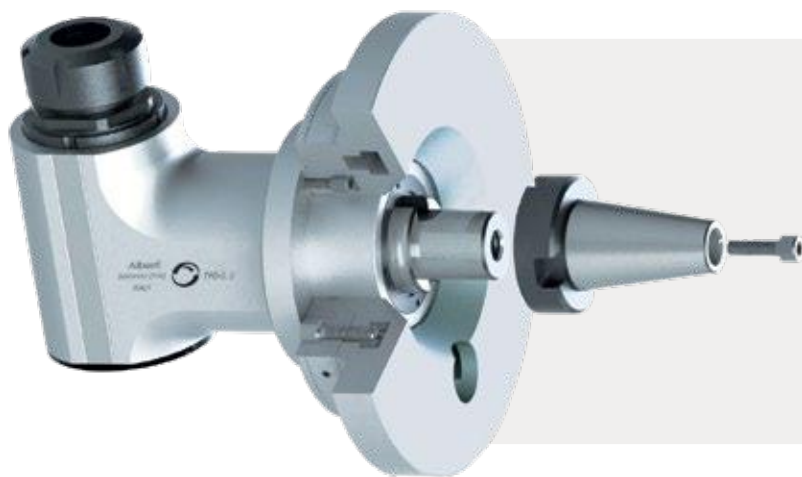




LINEA MODULAR

Le teste della linea **MODULAR** sono adatte ad essere montate su **macchine utensili tradizionali da fissare al mandrino tramite apposita flangia**. Sono dotate di un cono intercambiabile, una flangia universale e la possibilità di avere alcuni moduli di prolunga per variarne la lunghezza. Per un corretto montaggio, è necessario realizzare una flangia di adattamento da interporre tra la testa e il mandrino.

*Angle heads of the **MODULAR line** are suitable to be mounted on **traditional machine tools and are attached to the spindle through a flange**. They are sold together with an interchangeable shank and a universal flange and they can extend the total length thanks to extension spacers. For a correct mounting, it is necessary to build an adapting flange to be screwed between the head and the machine spindle.*



ESEMPIO DI MONTAGGIO IN MACCHINA

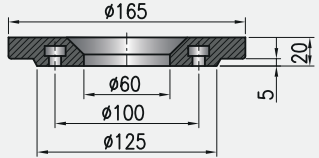
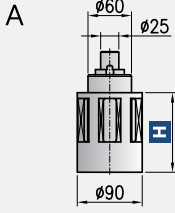
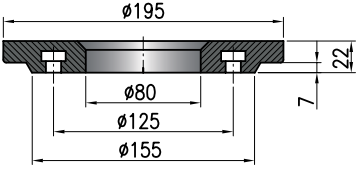
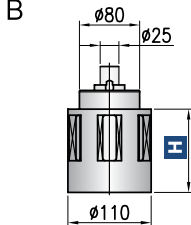
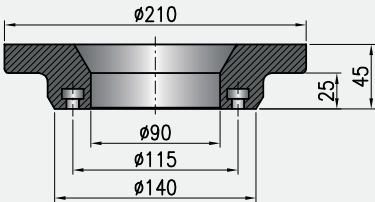
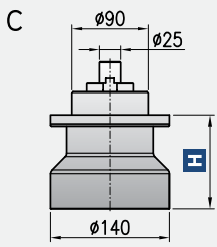
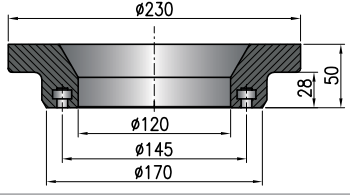
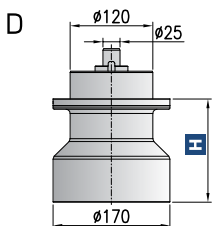
Example of mounting the head

Moduli di prolunga: **FLANGIA UNIVERSALE.**

Extension spacer: UNIVERSAL FLANGE

Un sistema modulare componibile, rende possibile variare la lunghezza del corpo testa aggiungendo l'elemento di prolunga. **Modulo, coni e flangia sono modulari e quindi intercambiabili** su tutti i corpi testa appartenenti allo stesso ordine di grandezza.

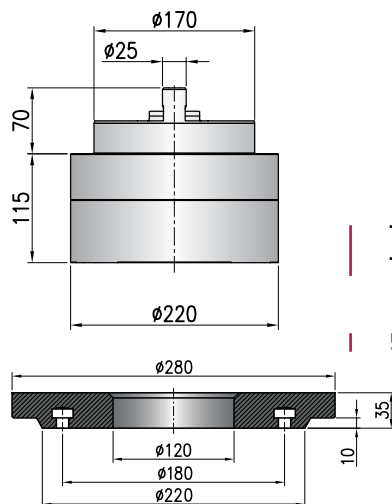
The modular system makes it possible to extend the length of the body by adding a spacer. The extension spacer, drive tapers and universal flange are modular and therefore interchangeable among all the heads of similar size.

	FLANGIA Flange	MODULI DI PROLUNGA Extension Spacer	H	CODICI Part number
T90-0,5 T90-1,5 T90-2,5 TCU-2,5 TCU-3,5	 54206000		55 mm	90006010
			110 mm	90006A11
			150 mm	90006A15
			250 mm	90006A25
T90-3,5	 54208000		55 mm	90008010
			110 mm	90008A11
			150 mm	90008A15
			250 mm	90008A25
			360 mm	90008A36
T90-4,5	 54209001		110 mm	90009000
			150 mm	90009050
T90-5	 54212004		150 mm	90012005

MODULI DI PROLUNGA per teste linea P moltiplicati.

Extension spacers for heads linea P with speed increase

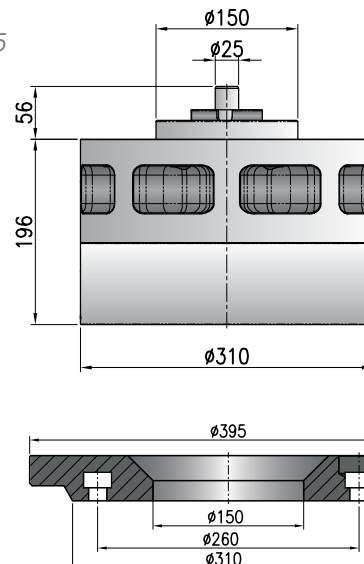
$R = 1:2,25$



T90-8
TDU-8

54212000

$R = 1:2,25$

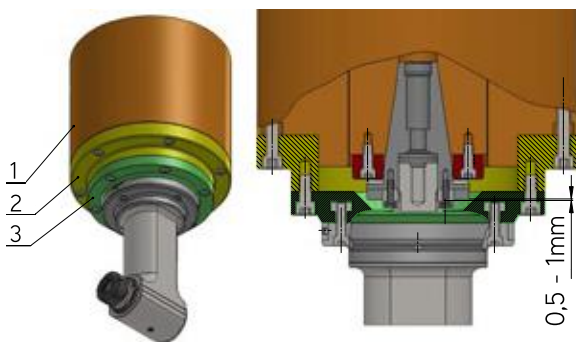


T90-10
TDU-10

54215000

Esempio di montaggio di una TESTA TIPO MODULAR.

Example of flange mounting for modular head



1 Mandrino
Spindle

2 Flangia di interfaccia
Interface flange

3 Flangia universale
Universal flange

Per il **corretto montaggio** della testa in macchina, una volta avvitato il cono e la flangia universale sulla testa, è **necessario realizzare un ulteriore flangia di adattamento** tra la testa e il mandrino della macchina seguendo attentamente le istruzioni sul libretto in dotazione.

*For a **correct flange mounting** on the machine, once you fix the shank and the universal flange on the head, it's **necessary to make an adapting spacer** between the head and the machine spindle and follow carefully the instruction on the given manual.*

Esempio di montaggio **TESTA MODULAR** con flangia universale standard e moduli di prolunga

*Example of flange mounting for **MODULAR HEADS** including extension spacers*



T90-0.4C Neo

AMT9004C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
100 N



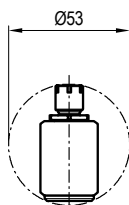
Torque
Momento torcente
4 Nm



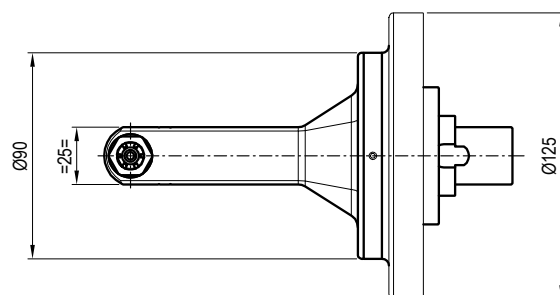
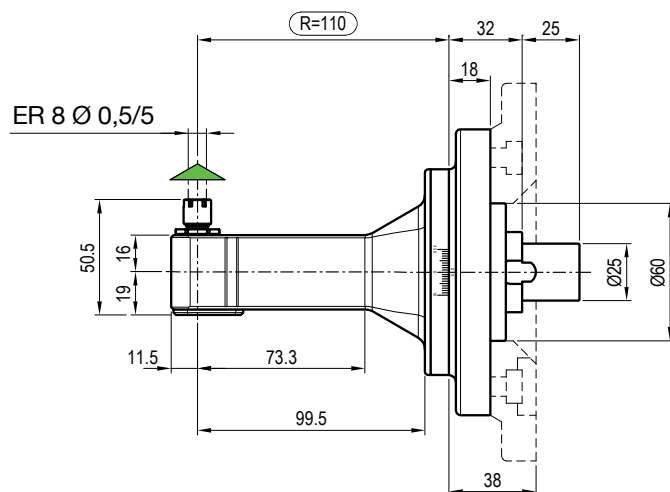
Weight
Peso
4 kg



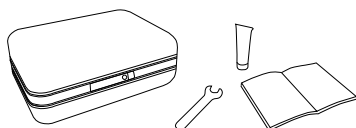
Collet
Pinza
ER 8 (ø 0,5/5 mm)



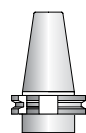
Minimum diameter without tool
Diametro minimo senza utensile



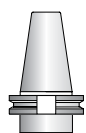
*** STANDARD EQUIPMENT includes:**



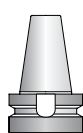
Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



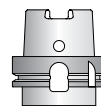
DIN-69871



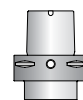
CAT



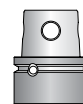
MAS-BT



HSK



CAPTO



KM

Shank / Cono

Option / Opzione



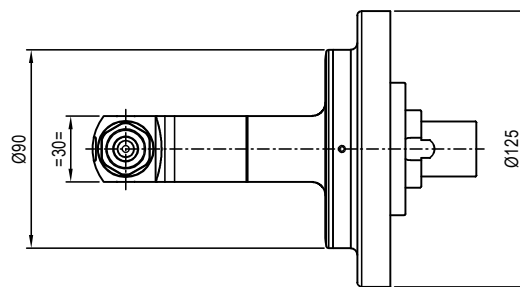
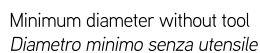
bar max
12

Coolant through flange and output spindle
Refrigerante attraverso la flangia e il mandrino di uscita



Ø mm max.
6

Weldon output
Weldon



Collet
Pinza
ER 11 (ø 0,5/7 mm)

T90-0.5L Neo

AMT9005L

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
8 Nm



Weight
Peso
4.3 kg

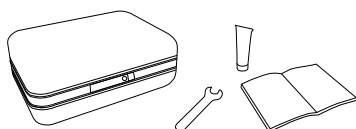


Tapping
Maschiatura
Max. M5

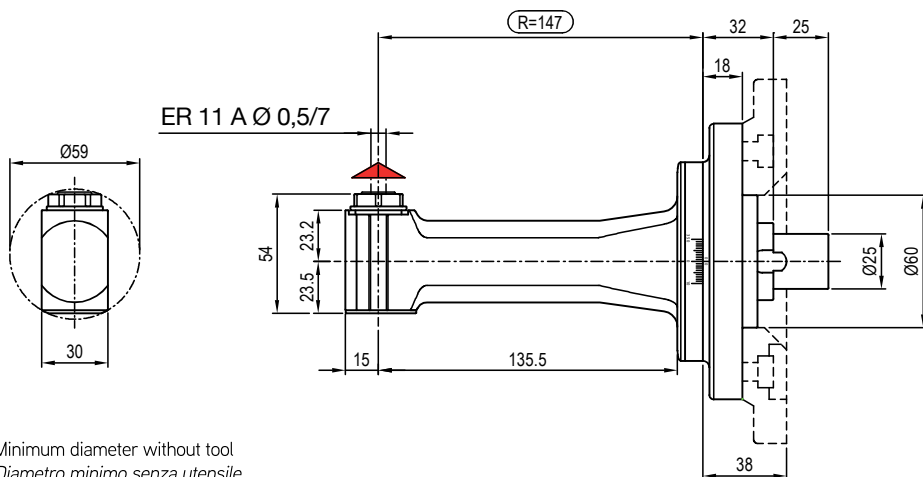


Collet
Pinza
ER 11 (ø 0,5/7 mm)

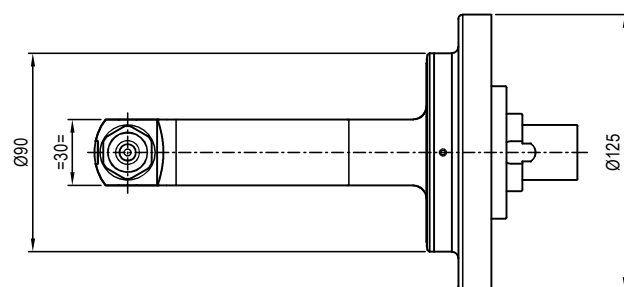
*** STANDARD EQUIPMENT includes:**



Direction of rotation opposite to machine spindle / senso di rotazione contrario al mandrino



Minimum diameter without tool
Diametro minimo senza utensile



Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle
Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper
Adduzione refrigerante attraverso il cono

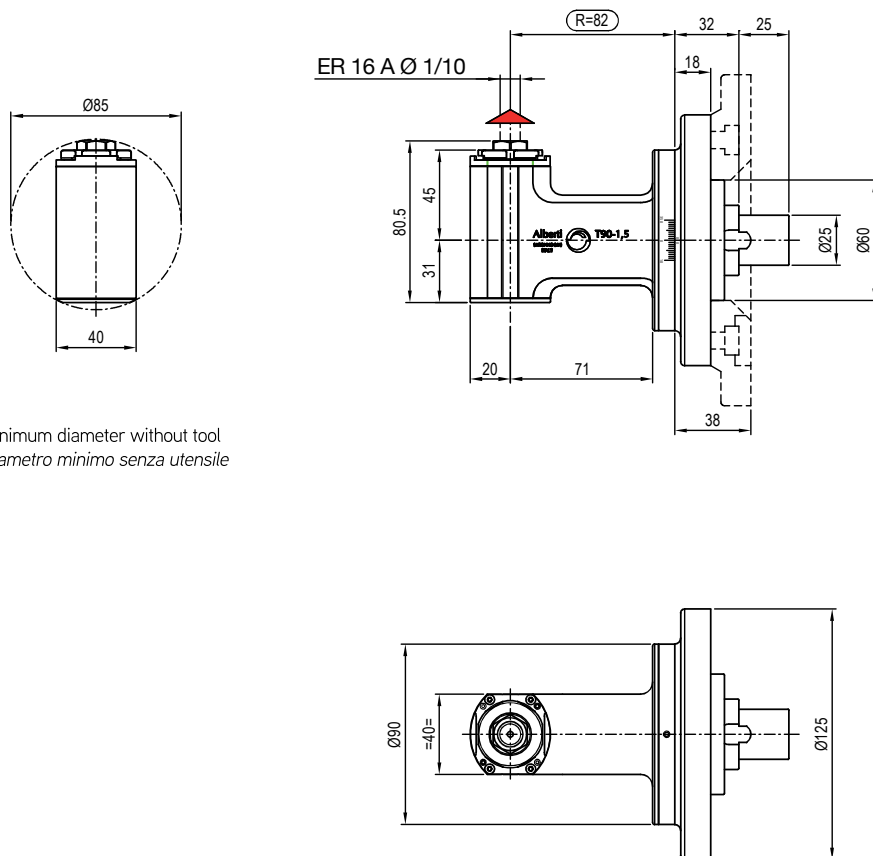


Ø mm max.
6

Weld on output
Weldon

T90-1.5C Neo

AMT9015C



Minimum diameter without tool
Diametro minimo senza utensile

 Direction of rotation opposite to machine spindle / senso di rotazione contrario al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



Weight
Peso
4.3 kg

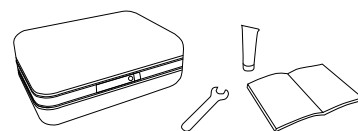


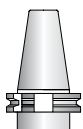
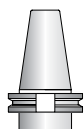
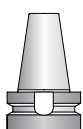
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER 16 (ø 1/10 mm)

*** STANDARD EQUIPMENT includes:**



Shank / Cono	 DIN-69871	 CAT	 MAS-BT	 HSK	 CAPTO	 KM
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Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper / Adduzione refrigerante attraverso il cono



min⁻¹
10.000

High speed optional RPM max. / Opzione alta velocità RPM max.



Ø mm
13

Arbor output / Porta fresa



Ø mm max.
10

Welding output / Weldon



ER 16/ER 11

Double output / Doppia uscita

T90-1.5L Neo

AMT9015L

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



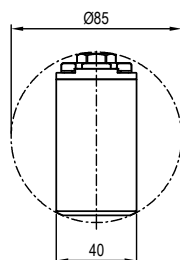
Weight
Peso
5.2 kg



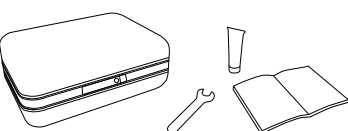
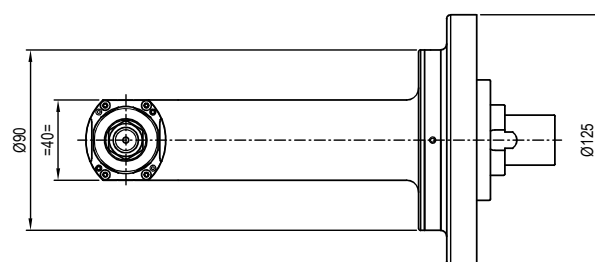
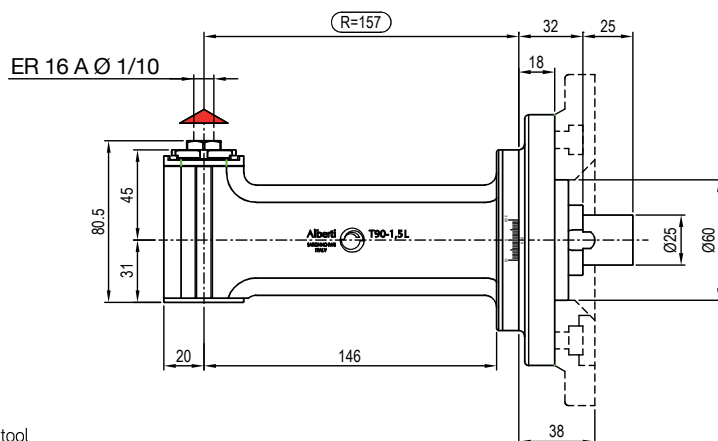
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER 16 (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



Direction of rotation opposite to machine spindle / senso di rotazione contrario al mandrino

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper / Adduzione refrigerante attraverso il cono



min⁻¹
10.000

High speed optional RPM max.
Opzione alta velocità RPM max.



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER 16/ER 11

Double output
Doppia uscita

T90-1.5 2U

AMT9015D

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm

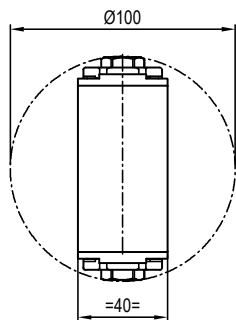
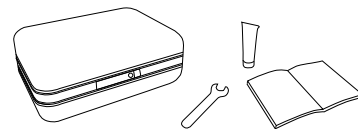


Weight
Peso
5.4 kg

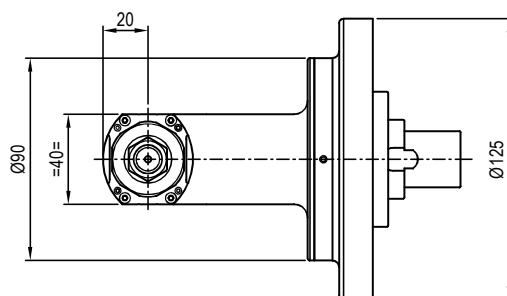
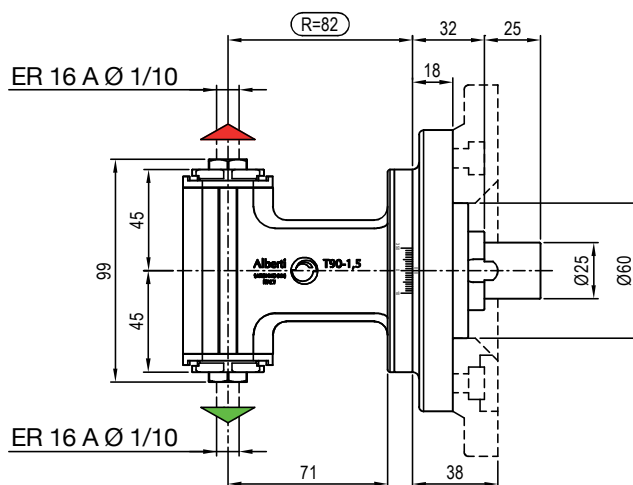


Collet
Pinza
ER 25 (ø 1/16 mm)

*** STANDARD EQUIPMENT includes:**



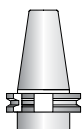
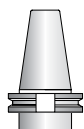
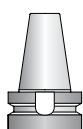
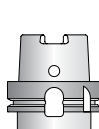
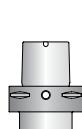
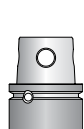
Minimum diameter without tool
Diametro minimo senza utensile



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



Direction of rotation opposite to machine spindle / senso di rotazione contrario al mandrino

						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



min⁻¹
8.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Welding output
Welding



HSK-32

Quick Change
Attacco rapido

T90-2.5C Neo

AMT9025C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



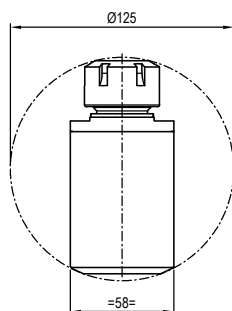
Weight
Peso
5.4 kg



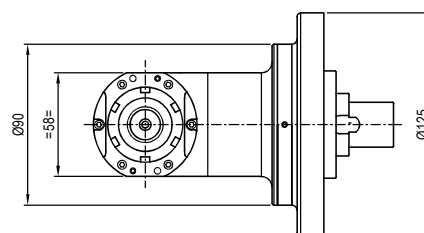
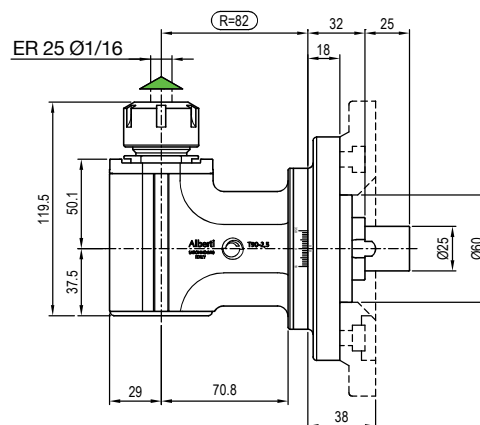
Tapping
Maschiatura
Max. M12



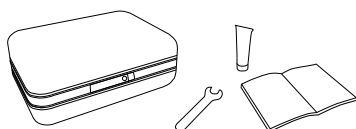
Collet
Pinza
ER 25 (Ø 1/16 mm)



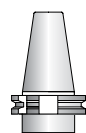
Minimum diameter without tool
Diametro minimo senza utensile



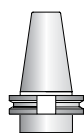
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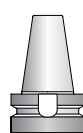
Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*



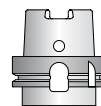
DIN-69871



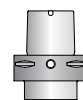
CAT



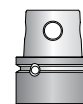
MAS-BT



HSK



CAPTO



KM

Shank / Cono

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper / Adduzione refrigerante attraverso il cono



min⁻¹
9.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



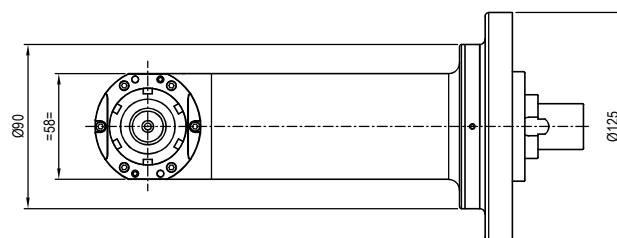
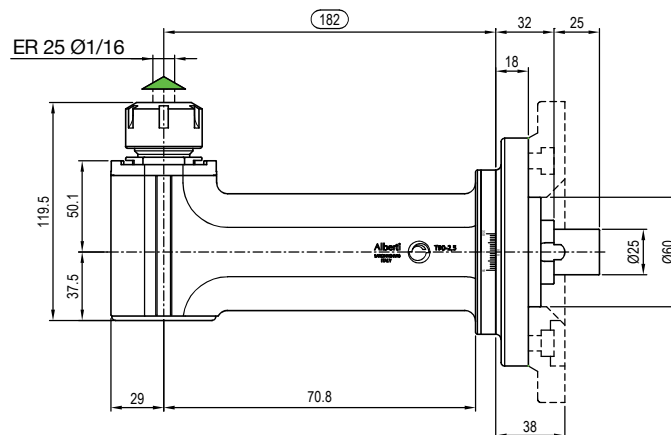
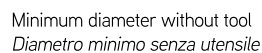
HSK-32

Quick Change
Attacco rapido



ER 25/ER 16

Double output
Doppia uscita



Collet
Pinza
ER 25 (ø 1/16 mm)

115

T90-2.5 2U

AMT9025D

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



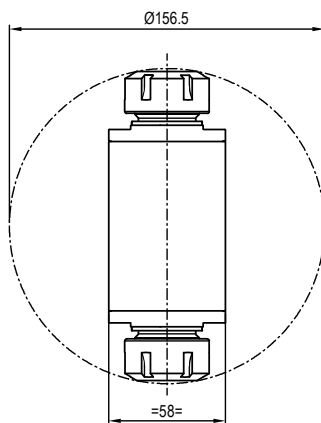
Torque
Momento torcente
30 Nm



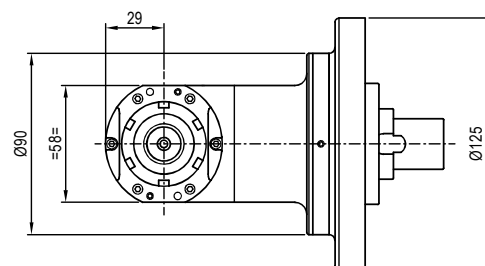
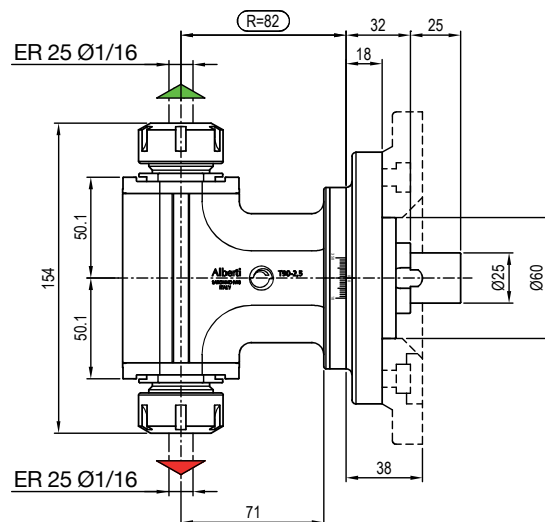
Weight
Peso
6.4 kg



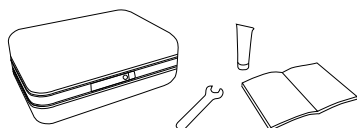
Collet
Pinza
ER 25 (Ø 1/16 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*



Direction of rotation opposite to machine spindle / *senso di rotazione contrario al mandrino*

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



min⁻¹
8.000

High speed optional RPM max.
Opzione alta velocità RPM max.



Ø mm
16

Arbor output
Porta fresa

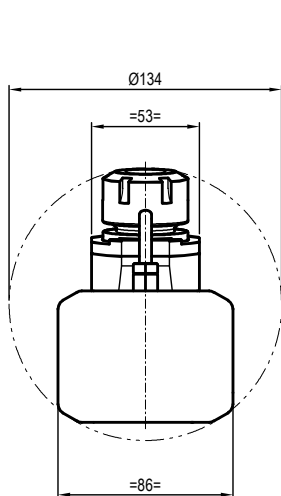


Ø mm max.
16

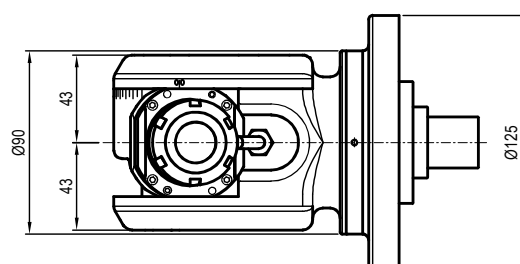
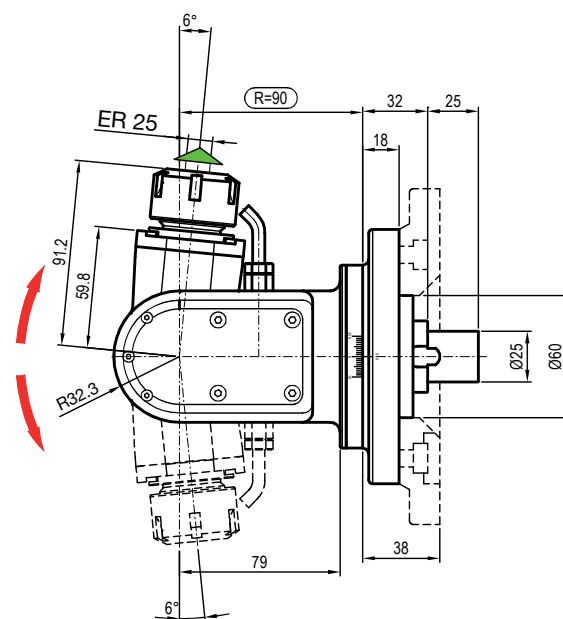
Weldon output
Weldon

TCU-2.5 Neo

AMTCU25C



Minimum diameter without tool
Diametro minimo senza utensile



 Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



Weight
Peso
7 kg

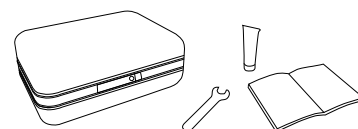


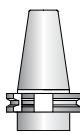
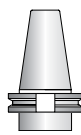
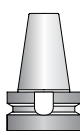
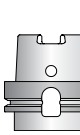
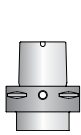
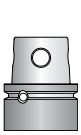
Tapping
Maschiatura
Max. M12



Collet
Pinza
ER 25 (ø 1/16 mm)

*** STANDARD EQUIPMENT includes:**



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
100

Coolant through modular taper
Adduzione refrigerante
attraverso il cono



+/- 95°

Angle
Angolo



every
5°

Fixed positioning
Posizionamento fisso



min⁻¹
6.000

High speed optional RPM max.
Opzione alta velocità RPM max.



Ø mm max.
16

Welding output
Welding

T90-3.5C Neo

AMT9035C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



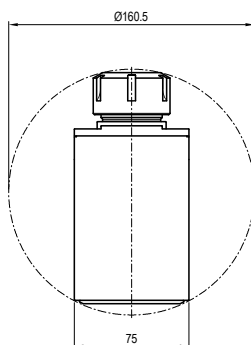
Weight
Peso
11 kg



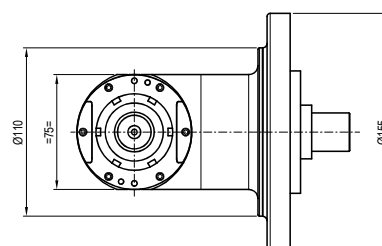
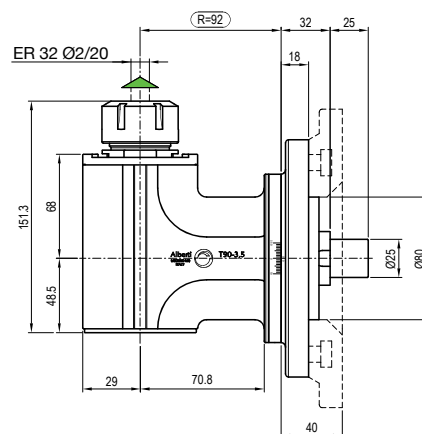
Tapping
Maschiatura
Max. M16



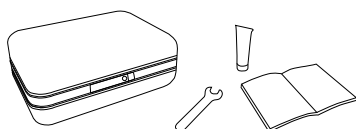
Collet
Pinza
ER 32 (ø 2/20 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper / Adduzione refrigerante attraverso il cono



min⁻¹
8.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido

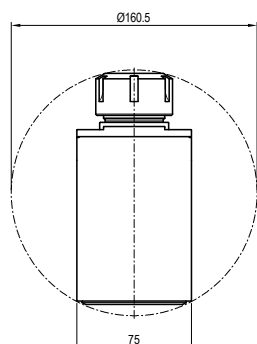


ER 32/ER 20

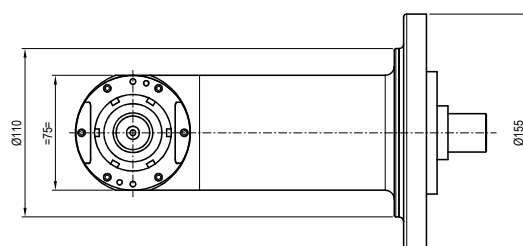
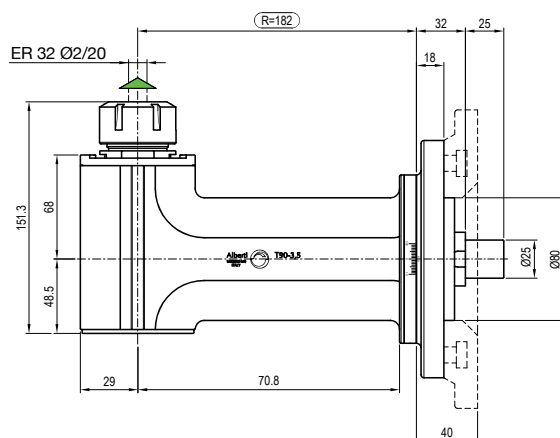
Double output
Doppia uscita

T90-3.5L Neo

AMT9035L



Minimum diameter without tool
Diametro minimo senza utensile



 Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



Weight
Peso
13.2 kg

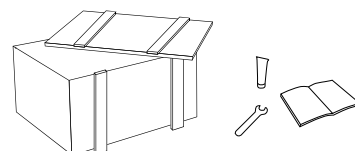


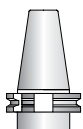
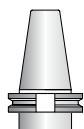
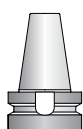
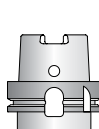
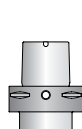
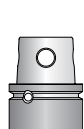
Tapping
Maschiatura
Max. M16



Collet
Pinza
ER 32 (ø 2/20 mm)

*** STANDARD EQUIPMENT includes:**



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper Adduzione refrigerante attraverso il cono



min⁻¹
8.000

High speed RPM max. Alta velocità RPM max.



Ø mm
27

Arbor output Porta fresa



Ø mm max.
20

Welding output Weldon



ISO-30 HSK-40

Quick Change Attacco rapido



ER 32/ER 20

Double output Doppia uscita

T90-3.5 2U

AMT9035D

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



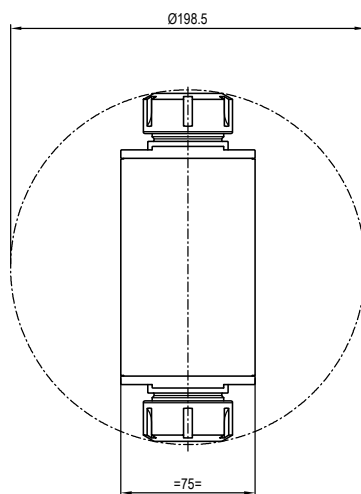
Torque
Momento torcente
50 Nm



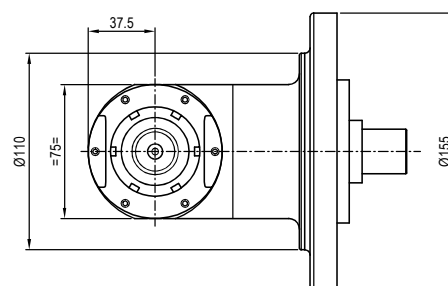
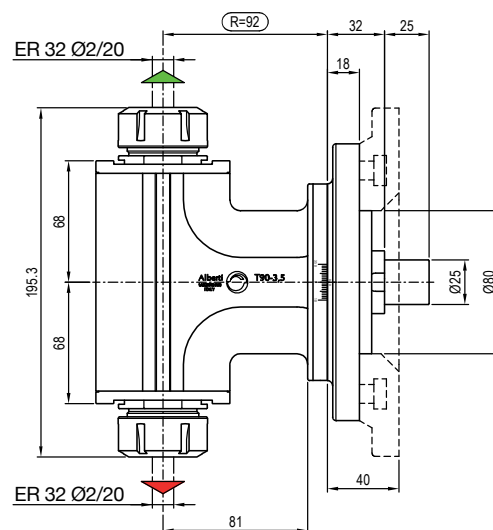
Weight
Peso
12 kg



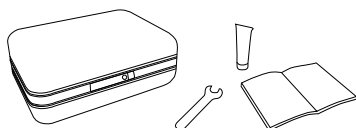
Collet
Pinza
ER 32 (Ø 2/20 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*



Direction of rotation opposite to machine spindle / *senso di rotazione contrario al mandrino*

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon

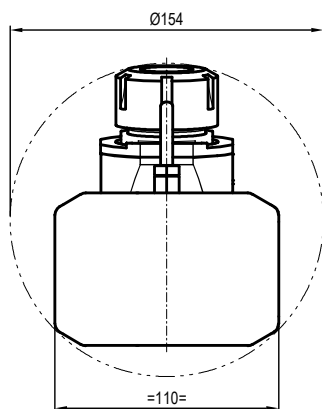


HSK-40

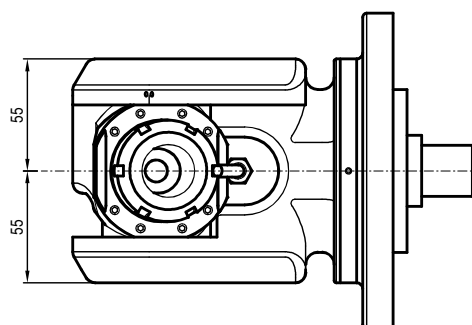
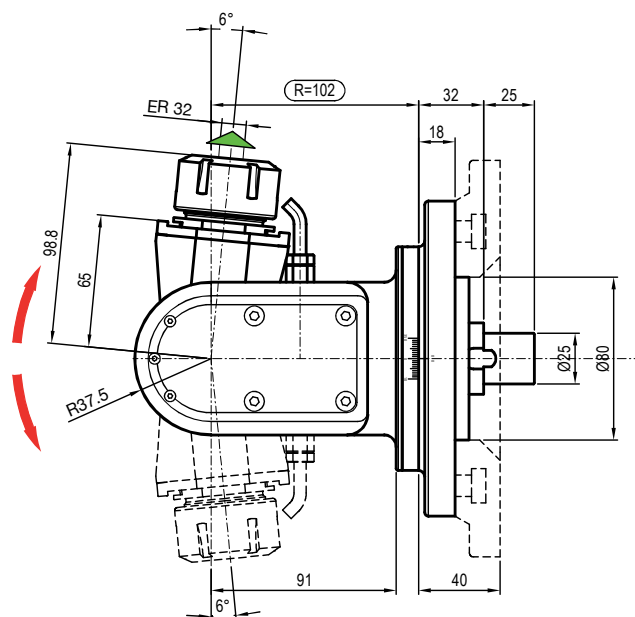
Quick Change
Attacco rapido

TCU-3.5 Neo

AMTCU35C



Minimum diameter without tool
Diametro minimo senza utensile



 Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
715 N



Torque
Momento torcente
50 Nm



Weight
Peso
13 kg

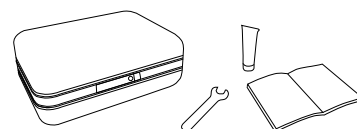


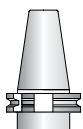
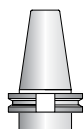
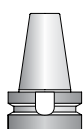
Tapping
Maschiatura
Max. M16



Collet
Pinza
ER 32 (ø 2/20 mm)

*** STANDARD EQUIPMENT includes:**



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
100

Coolant through modular taper
Adduzione refrigerante
attraverso il cono



+/- 95°

Angle
Angolo



every
5°

Fixed positioning
Posizionamento fisso



min⁻¹
6.000

High speed optional RPM max.
Opzione alta velocità RPM max.



Ø mm max.
20

Weldon output
Weldon

T90-4.5C Neo

AMT9045C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



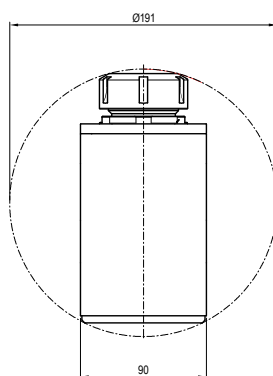
Weight
Peso
17 kg



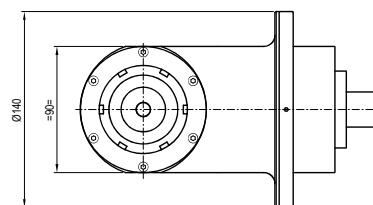
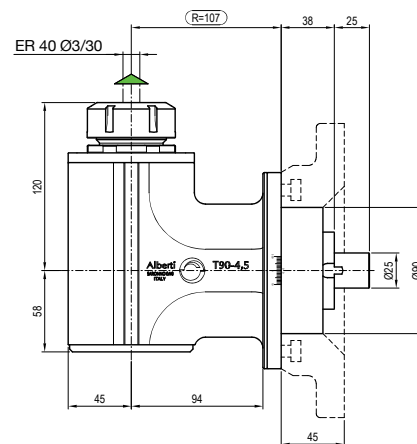
Tapping
Maschiatura



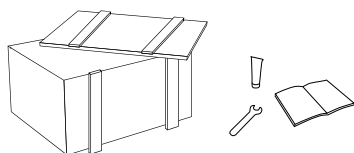
Collet
Pinza
ER 40 (ø 3/30 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



ISO-30
HSK-40 CAPTO C4

Quick Change
Attacco rapido

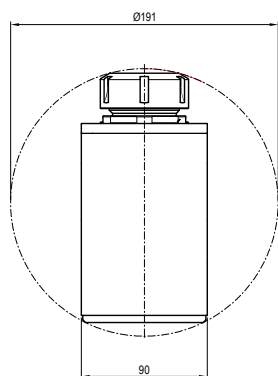


ER 40/ER 25

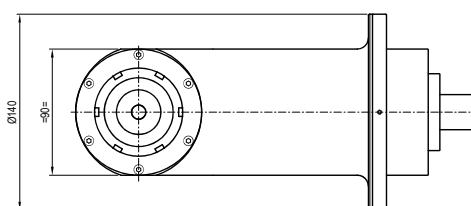
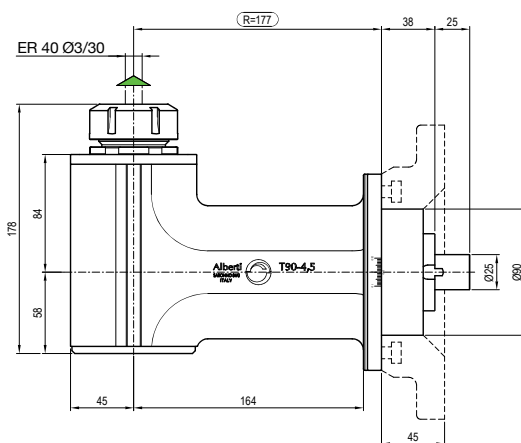
Double output
Doppia uscita

T90-4.5L Neo

AMT9045L



Minimum diameter without tool
Diametro minimo senza utensile



▲ Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



Weight
Peso
20 kg

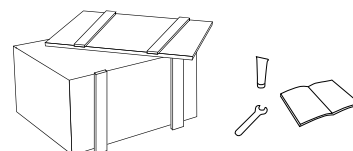


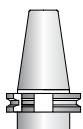
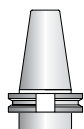
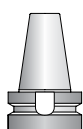
Tapping
Maschiatura



Collet
Pinza
ER 40 (ø 3/30 mm)

*** STANDARD EQUIPMENT includes:**



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Welding output
Welding



ISO-30
HSK-40 CAPTO C4

Quick Change
Attacco rapido



ER 40/ER 25

Double output
Doppia uscita

T90-5C HP Neo

AMT9050C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



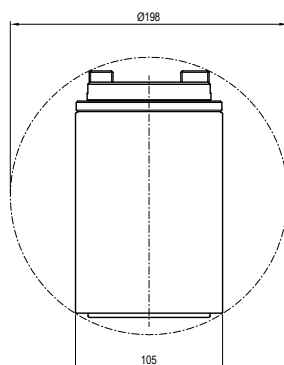
Weight
Peso
22 kg



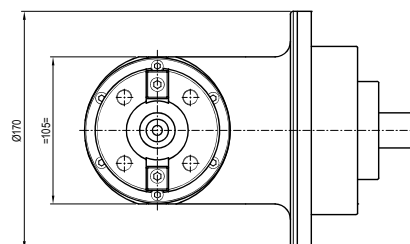
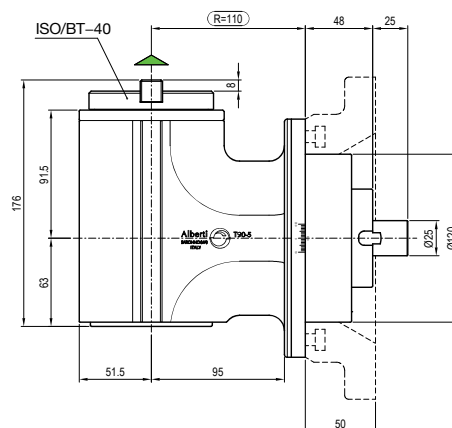
Tapping
Maschiatura



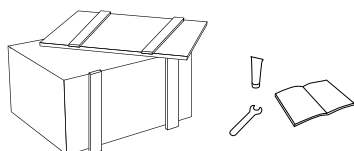
Collet
Pinza
ISO/BT 40



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle / Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper / Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



HSK 63 CAPTO C4 C5

Quick Change
Attacco rapido

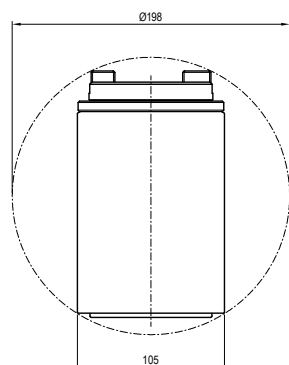


AIR/OIL

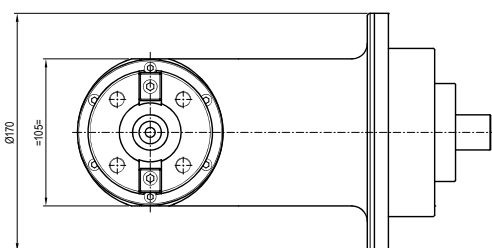
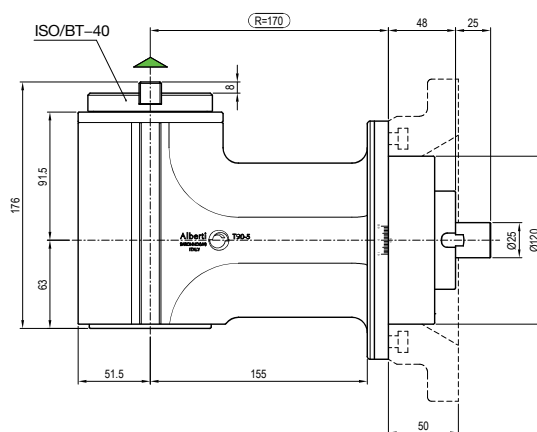
Air / Oil lubrication
Lubrificazione aria / olio

T90-5L HP Neo

AMT9050HP



Minimum diameter without tool
Diametro minimo senza utensile



 Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



Weight
Peso
22 kg

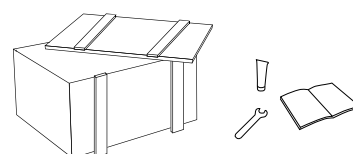


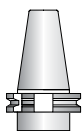
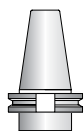
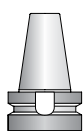
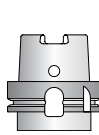
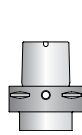
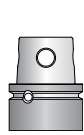
Tapping
Maschiatura



Collet
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM

Option / Opzione



bar max
12

Coolant through flange and output spindle
Refrigerante attraverso la flangia e il mandrino di uscita



bar max
100

Coolant through modular taper
Adduzione refrigerante attraverso il cono



HSK 63 CAPTO C4 C5

Quick Change
Attacco rapido



AIR/OIL

Air / Oil lubrication
Lubrificazione aria / olio