



LINEA CONTROL

La **LINEA CONTROL** comprende una serie di teste angolari adatte ad essere montate nel magazzino utensile e quindi essere scambiate automaticamente. La corretta installazione prevede il montaggio di uno **stop block** a bordo macchina. Per una maggior rigidità il cono di attacco alla macchina è realizzato in un unico pezzo con l'albero principale.

*CONTROL LINES include a wide range of angle heads to be used on machining centres with ATC and therefore can be mounted in the tool magazine and automatically exchanged in the machine spindle. A **stop block** mounted on the machine spindle ensure a correct positioning and prevents rotation. The input spindle is one solid piece with the main shaft to grant a higher rigidity.*

SCANNERIZZA IL QR CODE
per le istruzioni di montaggio

SCAN THE QR CODE
for the set-up instructions



Dimensione STOP BLOCK per teste
Dimensions STOP BLOCK for heads

T90cn-0,4 / 0,5 / 1,5 / 2,5 / 3,5 / 4,5



Dimensione STOP BLOCK per teste
Dimensions STOP BLOCK for heads

T90cn-5



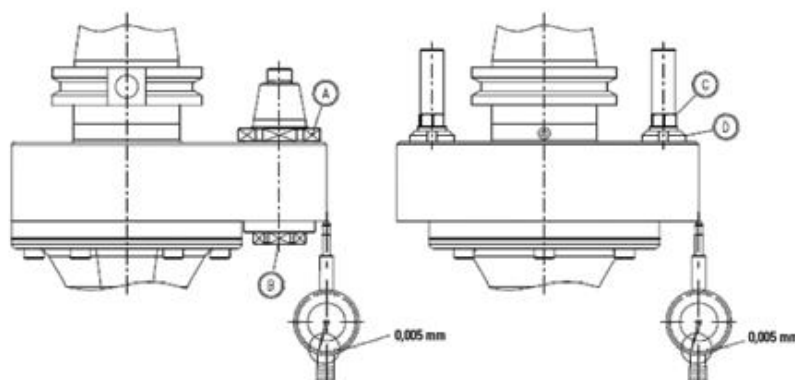
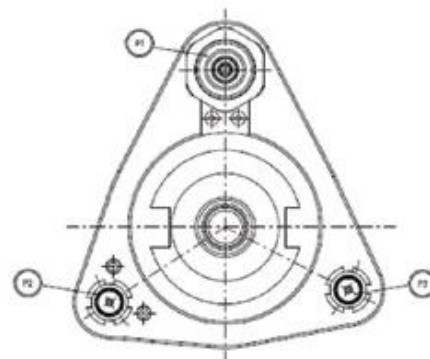
SUPPORTO 3 PUNTI.

3 point support

Per aumentare la rigidità e stabilità durante la lavorazione, è possibile realizzare una **flangia con 3 punti di supporto**. La flangia viene realizzata su misura a seconda delle dimensioni del mandrino macchina. Solitamente per questo tipo di realizzazione si prevede un magazzino esterno o una stazione pick up per accogliere la testa.

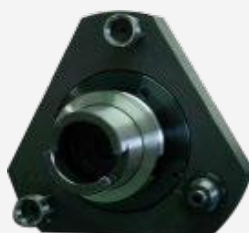
Ogni flangia con 3 punti di appoggio viene **realizzata ad hoc** in base al mandrino macchina pertanto non esiste uno standard. I punti di appoggio sono tutti regolabili e devono essere registrati durante la prima installazione.

*In order to increase rigidity and stability during machining, Alberti can build a **special flange with 3 point support system**. The flange is custom-made according to the dimension of the machine spindle. With this system the head cannot be loaded into the tool magazine but requires an external uploading or pick up station.*



SCANNERIZZA
IL QR CODE
per le istruzioni
di montaggio

SCAN THE
QR CODE
for the set-up
instructions





Esempi di **STOP BLOCK E PERNO.**

Examples of stop blocks and pins

In caso non fosse possibile utilizzare uno dei perni o stop block già disponibili, Alberti fornisce tutta l'assistenza necessaria per **realizzare uno stop block ad hoc per la propria macchina**. Di seguito alcuni esempi.

*In case the customer cannot use any of the pins or stop block already available, Alberti will help in finding the correct solution and **provide the customized stop block for the machine**. Following few examples.*



A

Cod: 5951800001

*Perno e stop block
Alberti standard*

*Alberti standard
Pin and Block*

B

Cod: 595180006

*Perno e stop block
Alberti standard*

*Alberti standard
pin and block*

C

Cod: 5951800073

*Perno e stop block conico
regolabile standard*

*Standard conical pin
and stop block*

D

Cod: 4951800091

*Perno e stop block
prismatico*

*Prismatic pin
and stop block*

E

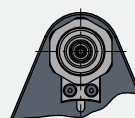
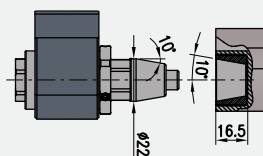
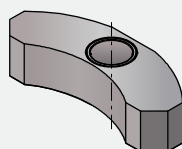
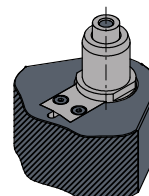
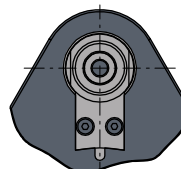
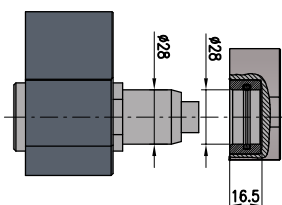
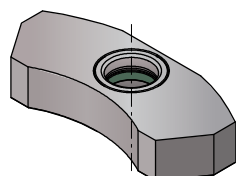
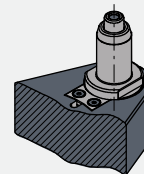
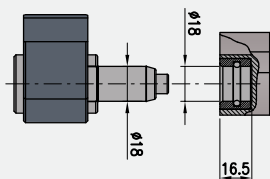
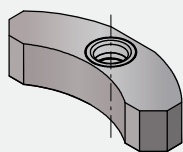
*Perno flottante
Floating pin*

F

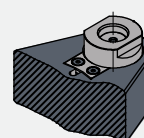
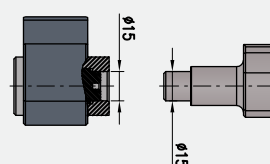
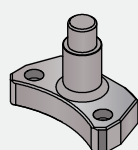
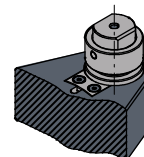
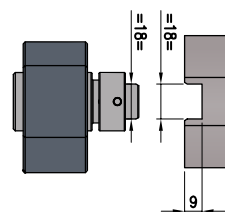
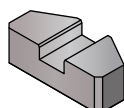
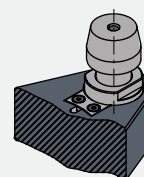
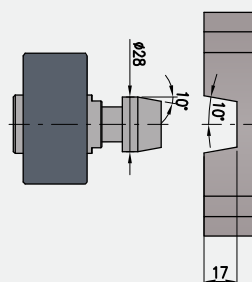
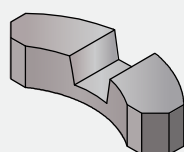
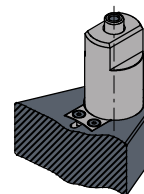
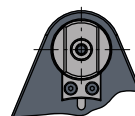
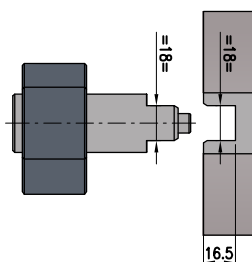
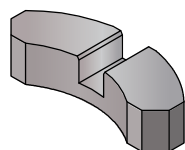
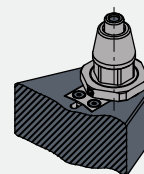
*Perno maschio speciale
Special male pin*

G

*Perno femmina speciale
Special female pin*



Perno regolabile
Adjustable pin



T90cn-0.4C

ACT9004C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
100 N



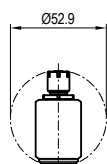
Torque
Momento torcente
4 Nm



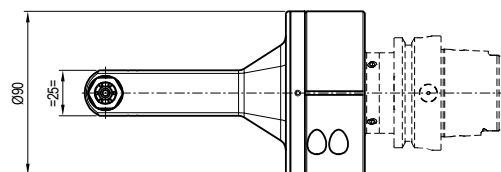
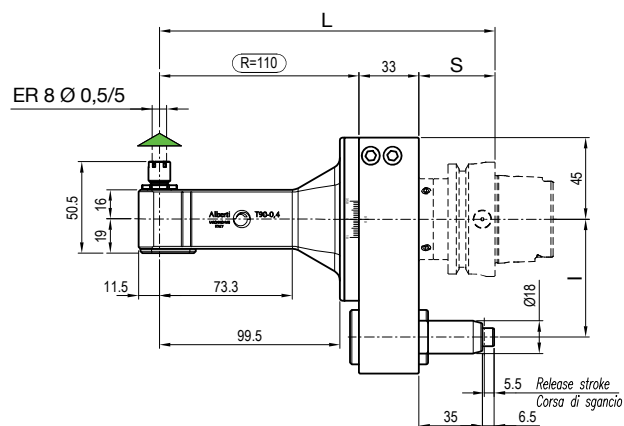
Weight
Peso
4 kg



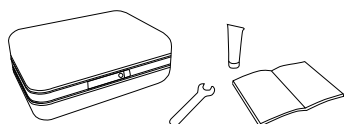
Collet
Pinza
ER-8 (ø 0,5/5 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT**
includes:



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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

Shank / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	178	178	178	184	185	188	181	183	183

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno

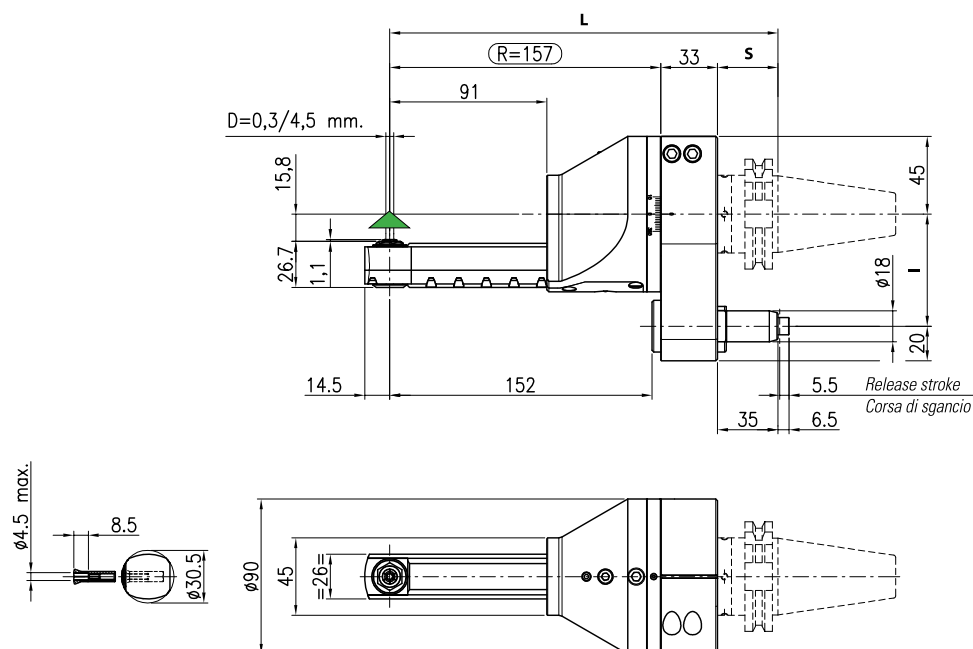


Ø mm max.
6

Weldon output
Weldon

TR90cn-0.4

ACTR904C



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:2.375 SPEEDER



RPM
Velocità
8.000 min⁻¹ OUTPUT



Max. axial load
Max. carico assiale
135 N



Torque
Momento torcente
8 Nm



Weight
Peso
4.5 kg



Collet
Pinza
SCHAUBLIN P6

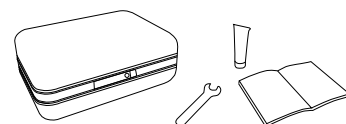
*** STANDARD EQUIPMENT includes:**

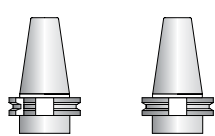
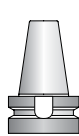
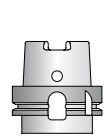
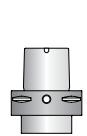
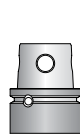


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



									
Shank / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	225	225	225	231	232	235	228	230	230

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno

T90cn-0.5C Neo

ACT9005C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
12 Nm



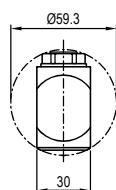
Weight
Peso
4 kg



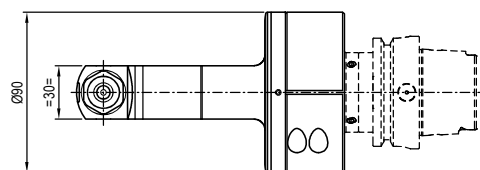
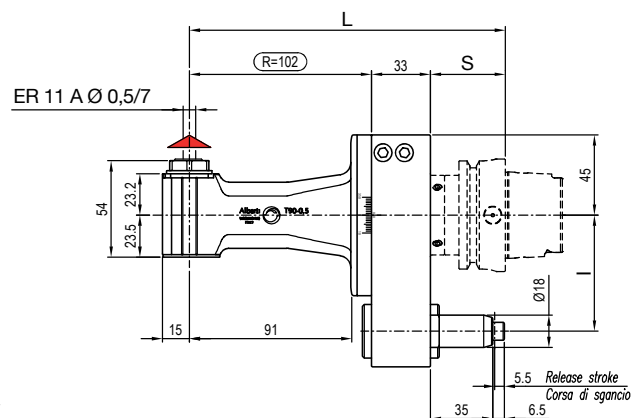
Tapping
Maschiatura
Max. M5



Collet
Pinza
ER-11A (ø 0,5/7 mm)

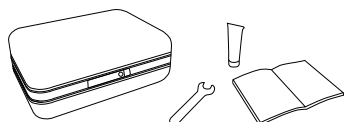


Minimum diameter without tool
Diametro minimo senza utensile



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
Dry rotation is possible / rotazione a secco possibile

Spindle / Cono	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63		
I	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)		
S	35	35	35	41	42	45	38	40	40		
L	170	170	170	176	177	180	173	175	175		

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno

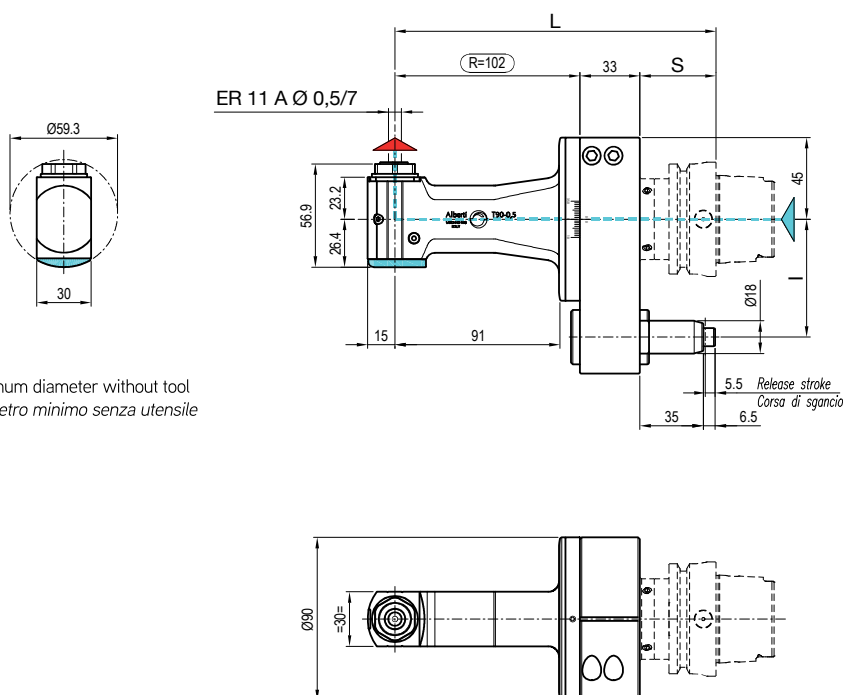


Ø mm max.
6

Weld output
Weldon

T90cn-0.5C Neo IC

ACT9005C.IC



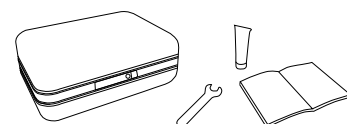
Minimum diameter without tool
Diametro minimo senza utensile

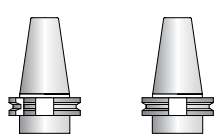
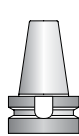
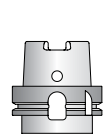
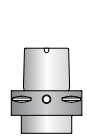
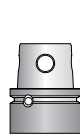


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

*** STANDARD EQUIPMENT includes:**



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63
I	65-80	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	150	150	150	156	157	160	153	155	155

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm max.

6

Weldon output
Weldon

T90cn-0.5L Neo

ACT9005L

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
12 Nm



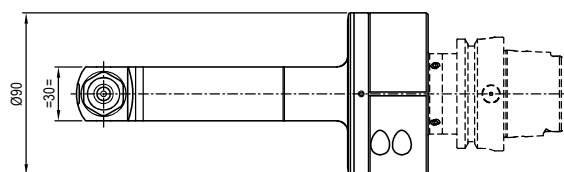
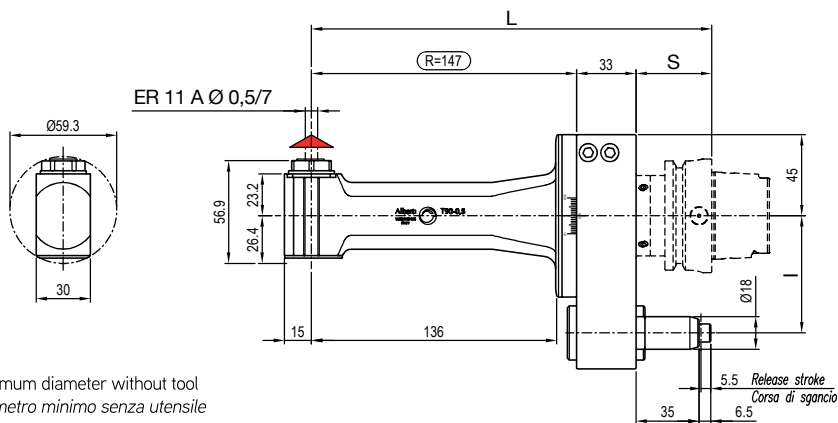
Weight
Peso
4.4 kg



Tapping
Maschiatura
Max. M5

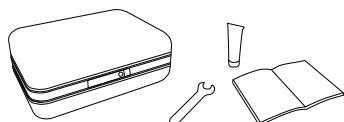


Collet
Pinza
ER-11A (ø 0,5/7 mm)

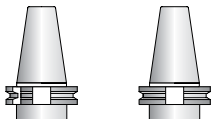
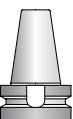


* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
Dry rotation is possible / rotazione a secco possibile

										
Spindle / Cono	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63	
I S XL	65-80	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	
	35	35	35	41	42	45	38	40	40	
	215	215	215	221	222	225	218	220	220	

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno

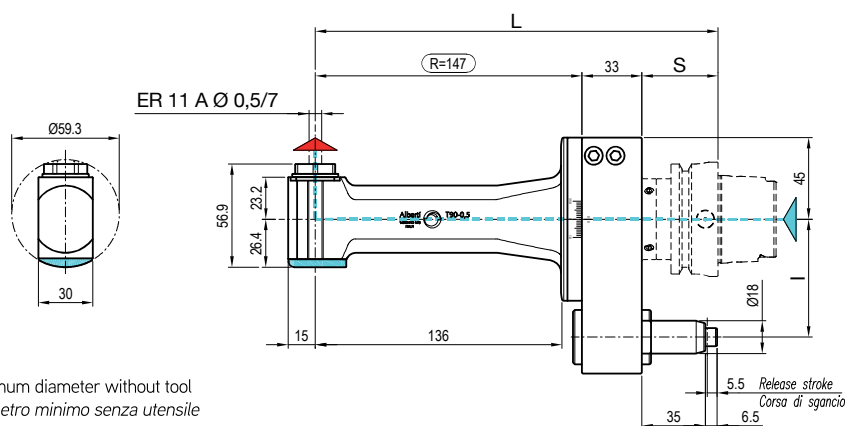


Ø mm max.
6

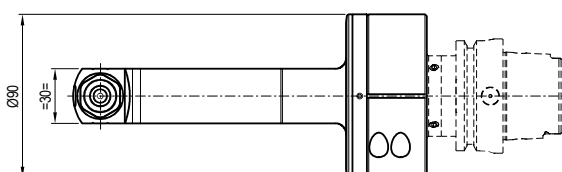
Welding output
Welding

T90cn-0.5L Neo IC

ACT9005L.IC



Minimum diameter without tool
Diametro minimo senza utensile



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹

DRY
Running
8.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
12 Nm



Weight
Peso
4.4 kg



Tapping
Maschiatura
Max. M5



Collet
Pinza
ER-11A (ø 0,5/7 mm)



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

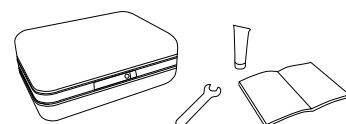
*** STANDARD EQUIPMENT includes:**

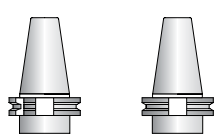
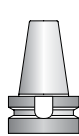
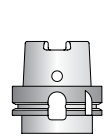
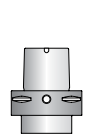
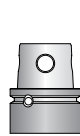


Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63
I	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
XL	215	215	215	221	222	225	218	220	220

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



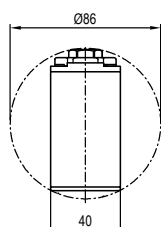
Ø mm max.

6

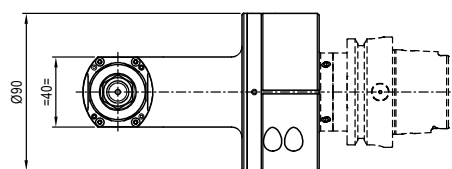
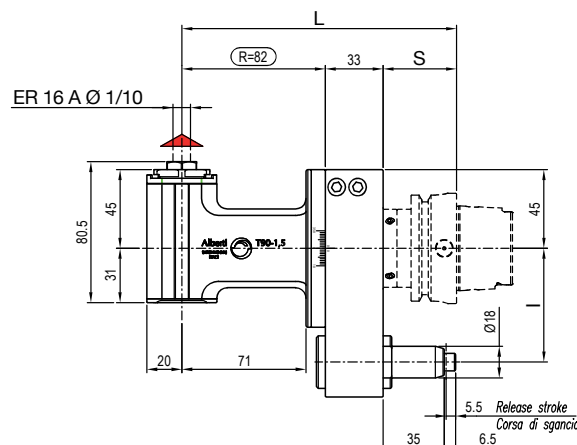
Weldon output
Weldon

T90cn-1.5C Neo

ACT9015C



Minimum diameter without tool
Diametro minimo senza utensile



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
Dry rotation is possible / rotazione a secco possibile

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
25 Nm



Weight
Peso
4.3 kg

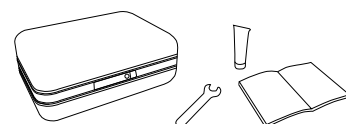


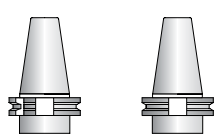
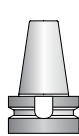
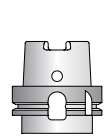
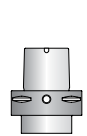
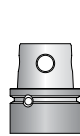
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)

*** STANDARD EQUIPMENT includes:**



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	150	150	150	156	157	160	153	155	155

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER-16/ER-11

Double output
Doppia uscita

T90cn-1.5C Neo IC

ACT9015C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹ DRY
Running
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



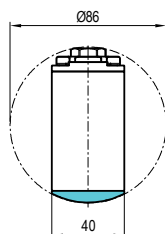
Weight
Peso
4.3 kg



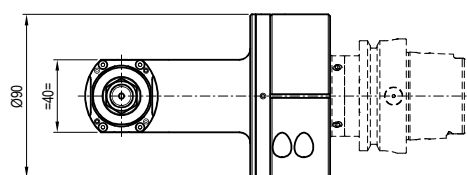
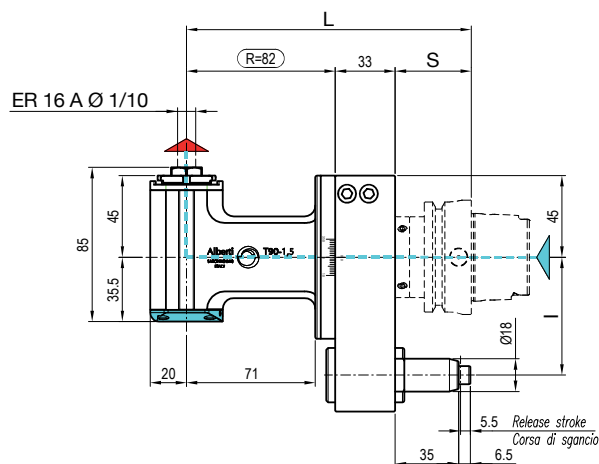
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)

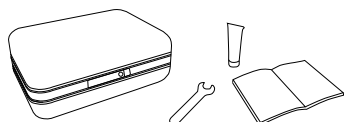


Minimum diameter without tool
Diametro minimo senza utensile



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	150	150	150	156	157	160	153	155	155

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
13

Arbor output
Porta fresa

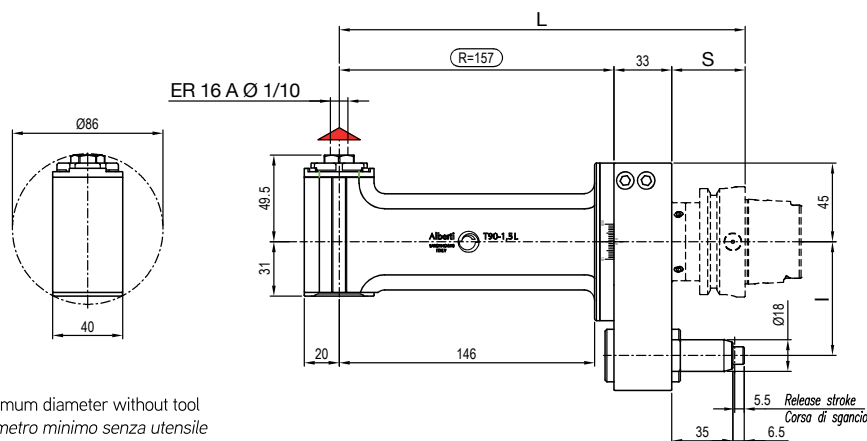


Ø mm max.
10

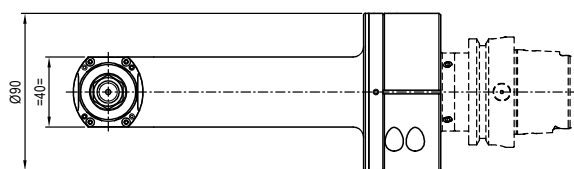
Weldon output
Weldon

T90cn-1.5L Neo

ACT9015L



Minimum diameter without tool
Diametro minimo senza utensile



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
25 Nm



Weight
Peso
5.2 kg



Tapping
Maschiatura
Max. M6



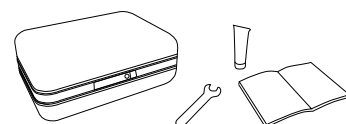
Collet
Pinza
ER-16A (Ø 1/10 mm)

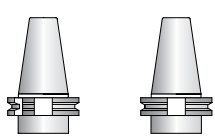
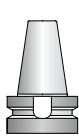
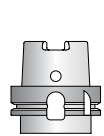
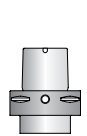
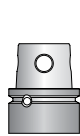


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
Dry rotation is possible / rotazione a secco possibile



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
XL	225	225	225	231	232	235	228	230	230

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER-16/ER-11

Double output
Doppia uscita

T90cn-1.5L Neo IC

ACT9015L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹ **DRY**
Running
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



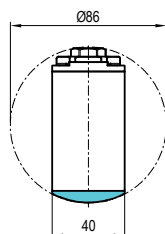
Weight
Peso
5.2 kg



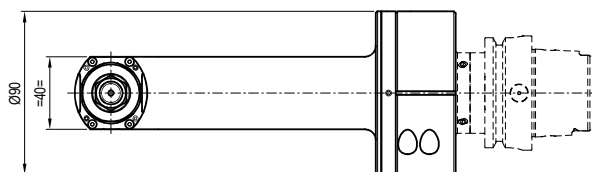
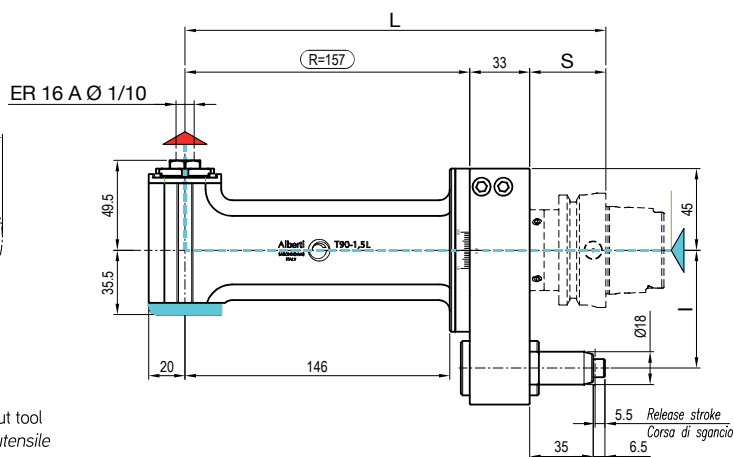
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)



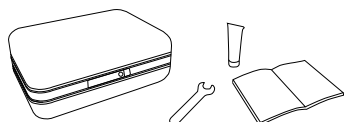
Minimum diameter without tool
Diametro minimo senza utensile



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
XL	225	225	225	231	232	235	228	230	230

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
13

Arbor output
Porta fresa

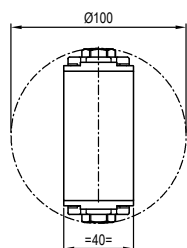


Ø mm max.
10

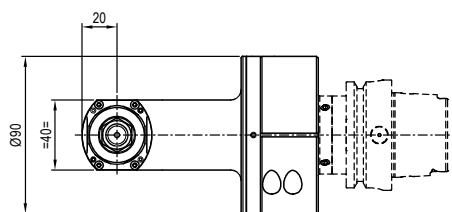
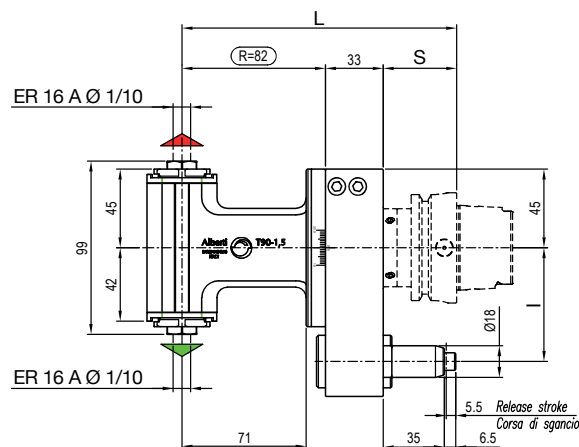
Weldon output
Weldon

T90cn-1.5 2U Neo

ACT9015D



Minimum diameter without tool
Diametro minimo senza utensile



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
25 Nm



Weight
Peso
4.3 kg



Collet
Pinza
ER-16A (Ø 1/10 mm)

*** STANDARD EQUIPMENT includes:**



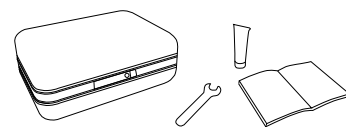
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

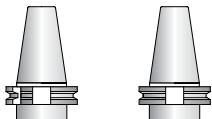
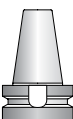


Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



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



										
Shank / Cono	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63	
I S L	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	
	35	35	35	41	42	45	38	40	40	
	153	153	153	159	160	163	156	158	158	

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno

TR90cn-1.5

ACTR915C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
350 N



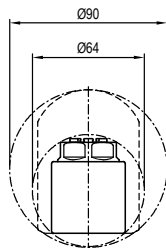
Torque
Momento torcente
15 Nm



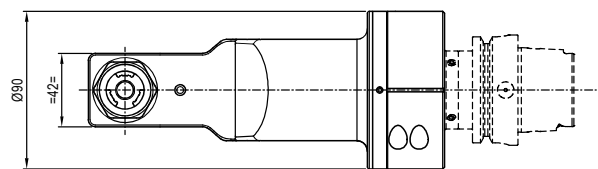
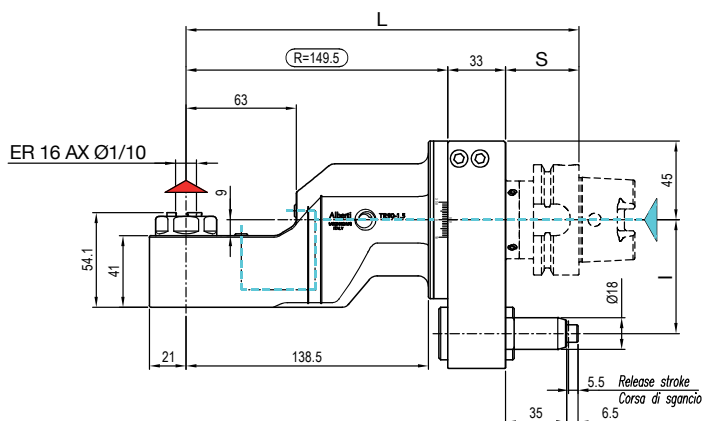
Weight
Peso
7 kg



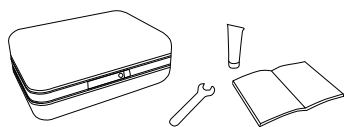
Collet
Pinza
ER-AX-16 (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Shank / Cono	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63		
I	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)		
S	35	35	35	41	42	45	38	40	40		
L	218,875	218,875	218,875	224,875	225,875	228,875	221,875	223,875	223,875		

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno

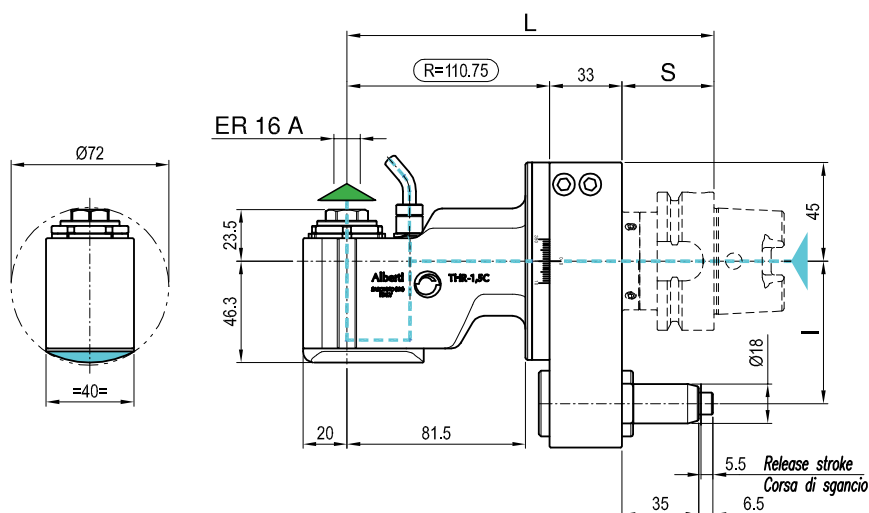


bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono

THRcn-1.5 Neo IC

ACTHR915C.IC



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹

DRY
Running
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
20 Nm



Weight
Peso
4.2 kg



Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)



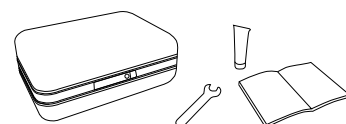
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

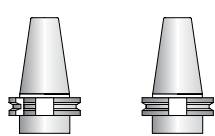
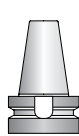
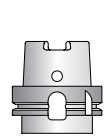
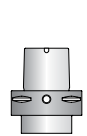
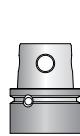


Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	160,5	160,5	160,5	166,5	167,5	170,5	163,5	165,5	165,5

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

TCUcn-1.5 Neo

ACTCU15C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
450 N



Torque
Momento torcente
15 Nm



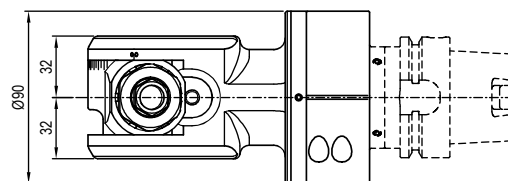
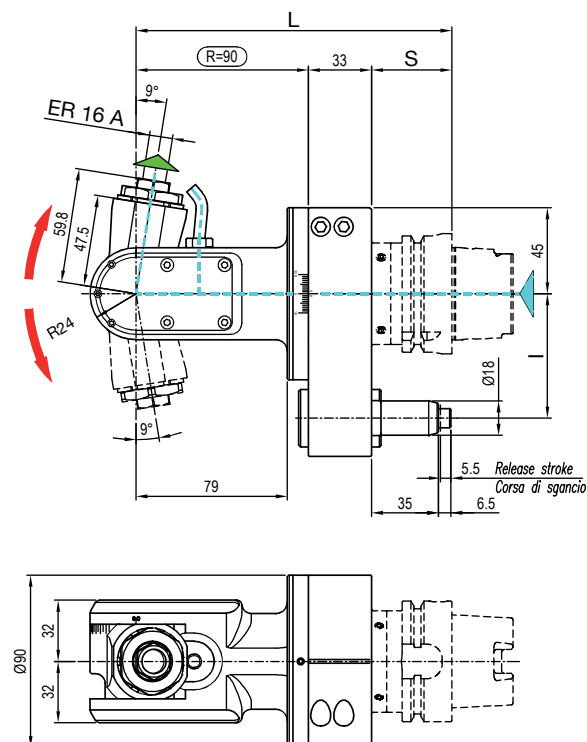
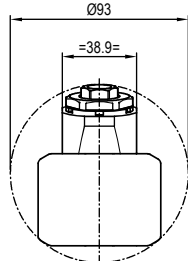
Weight
Peso
4.5 kg



Tapping
Maschiatura
Max. M6



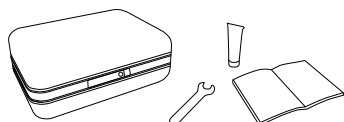
Collet
Pinza
ER-16A (ø 1/10 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

										
Spindle / Cono	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63	
I S L	65-80 -(110*)		65-80 -(110*)		65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80 -(110*)	
	35		35		42	45	38	40	40	
	150		150		157	160	153	155	155	

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
8.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo

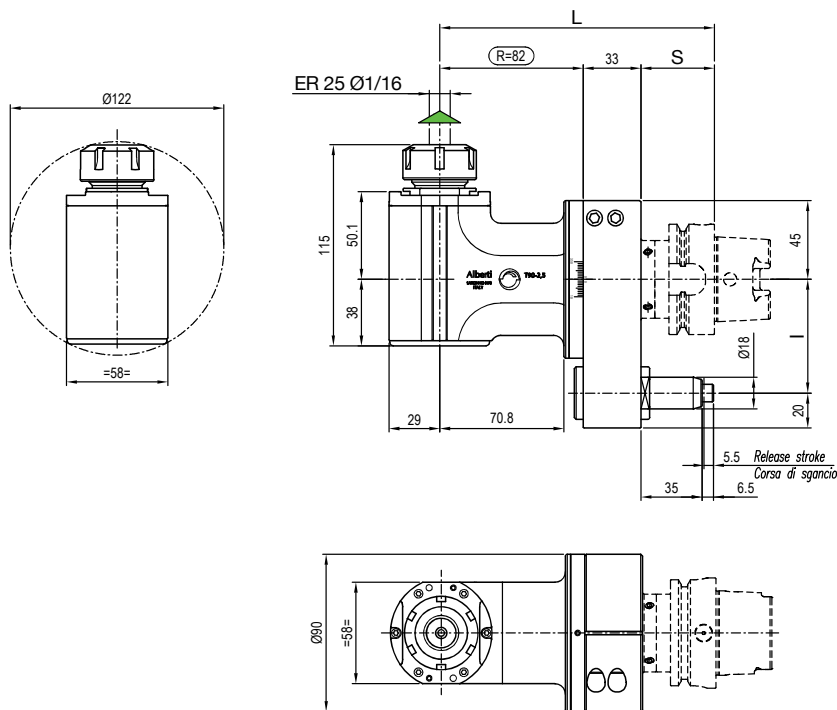


every
5°

Fixed positioning
Posizionamento fisso

T90cn-2.5C Neo

ACT9025C



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



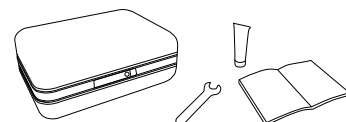
Collet
Pinza
ER-25 (ø 1/16 mm)

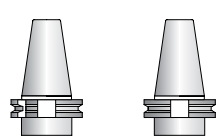
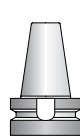
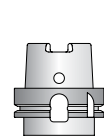
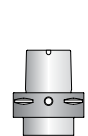
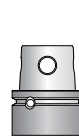


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

*** STANDARD EQUIPMENT includes:**

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



											
Spindle / Cono	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63		
I S L	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)		
	35	35	35	41	42	45	38	40	40		
	150	150	150	156	157	160	153	155	155		

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



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

T90cn-2.5C Neo IC

ACT9025C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹ DRY
Running
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



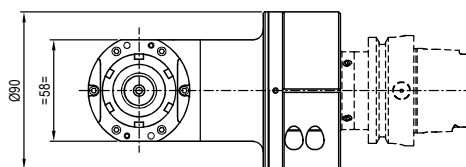
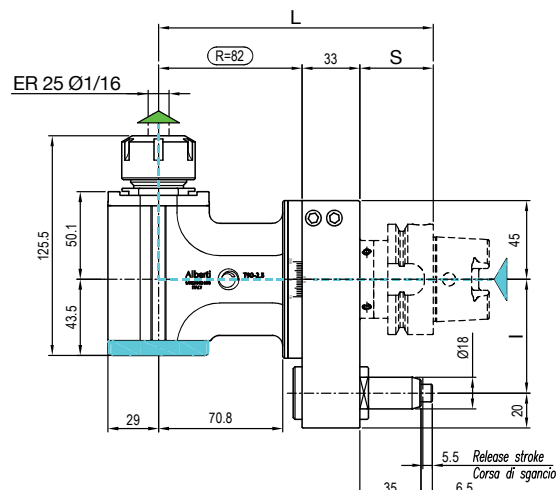
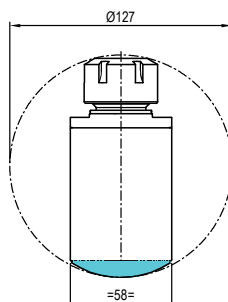
Weight
Peso
5.4 kg



Tapping
Maschiatura
Max. M12

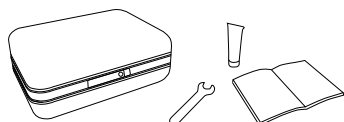


Collet
Pinza
ER-25 (ø 1/16 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63		
I	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40		
L	150	150	150	156	157	160	153	155	155		

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Welded output
Weldon

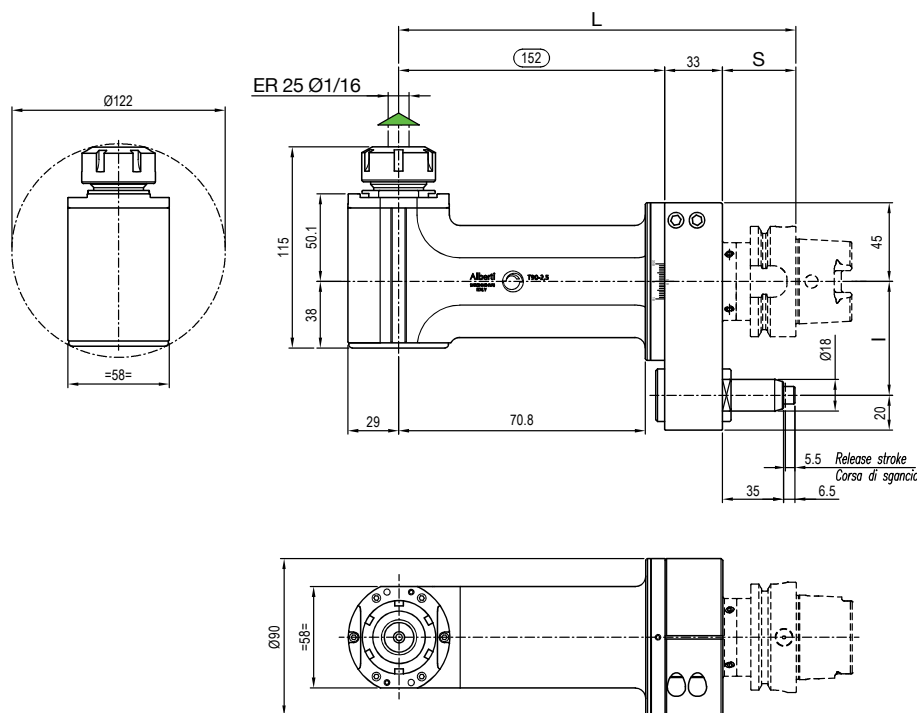


HSK-32

Quick Change
Attacco rapido

T90cn-2.5L Neo

ACT9025L



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
6.7 kg



Tapping
Maschiatura
Max. M12



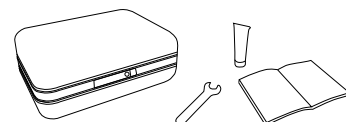
Collet
Pinza
ER-25 (ø 1/16 mm)

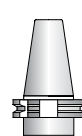
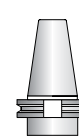
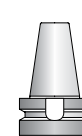
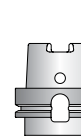
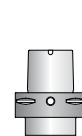
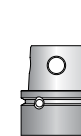


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

*** STANDARD EQUIPMENT includes:**

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



									
Spindle / Cono	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63
I S XL	65-80	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
	35	35	35	41	42	45	38	40	40
	220	220	220	226	227	230	223	225	225

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weld on



HSK-32

Quick Change
Attacco rapido



ER 25/ER 16

Double output
Doppia uscita

T90cn-2.5L Neo IC

ACT9025L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹ DRY
Running
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



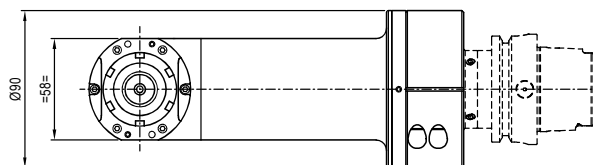
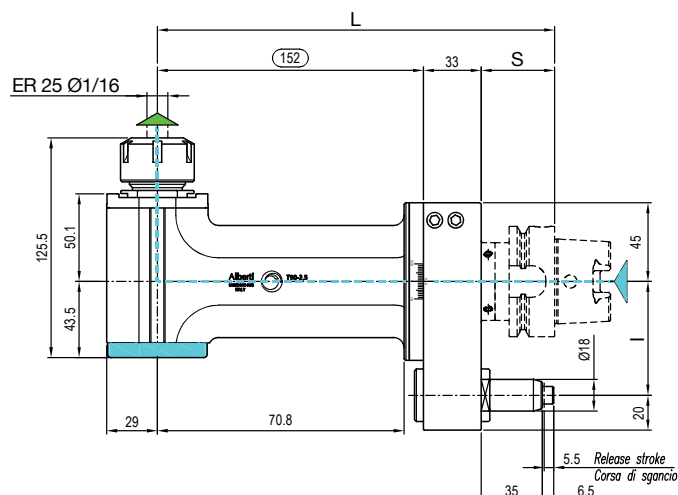
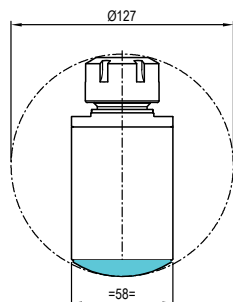
Weight
Peso
6.7 kg



Tapping
Maschiatura
Max. M12

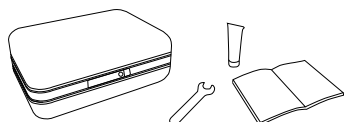


Collet
Pinza
ER-25 (ø 1/16 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

										
Spindle / Cono	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63	
I S XL	65-80	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	
	35	35	35	41	42	45	38	40	40	
	220	220	220	226	227	230	223	225	225	

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido

T90cn-2.5 2U Neo

ACT9025D

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



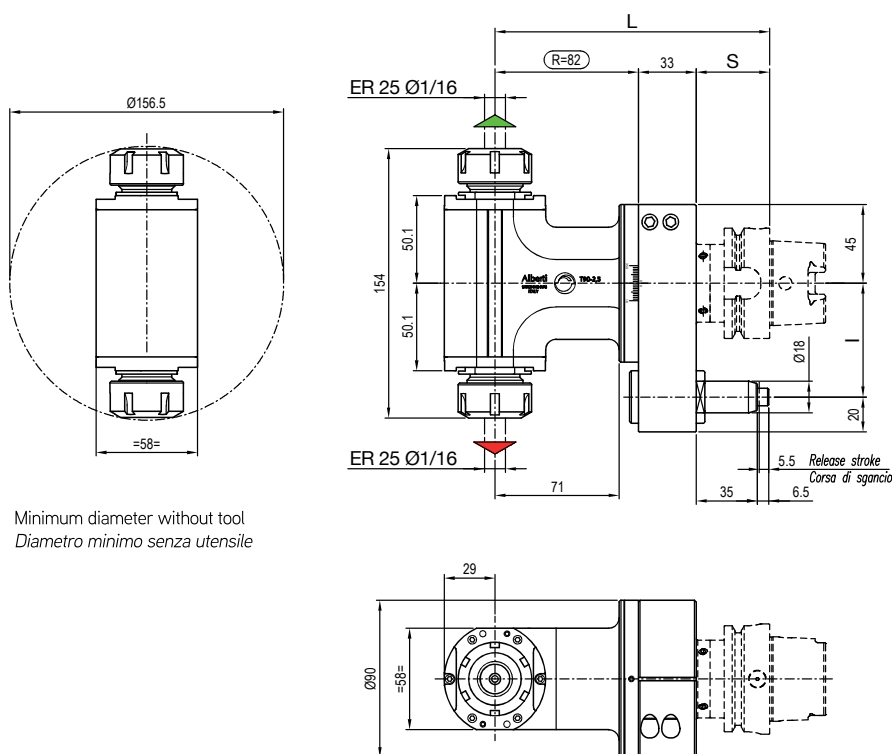
Torque
Momento torcente
50 Nm



Weight
Peso
6.4 kg



Collet
Pinza
ER-25 (ø 1/16 mm)



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

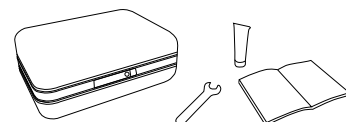
*** STANDARD EQUIPMENT includes:**



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



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



Shank / Cono	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63		
I	65-80	80-(110*)	65-80	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40		
L	150	150	150	156	157	160	153	155	155		

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon

TR90cn-2.5

ACTR925C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM OUTPUT
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



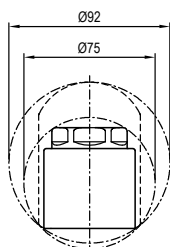
Torque
Momento torcente
30 Nm



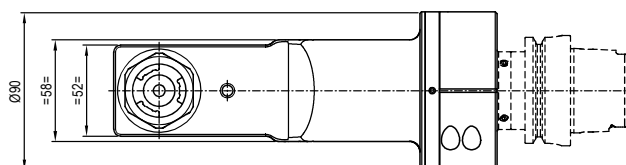
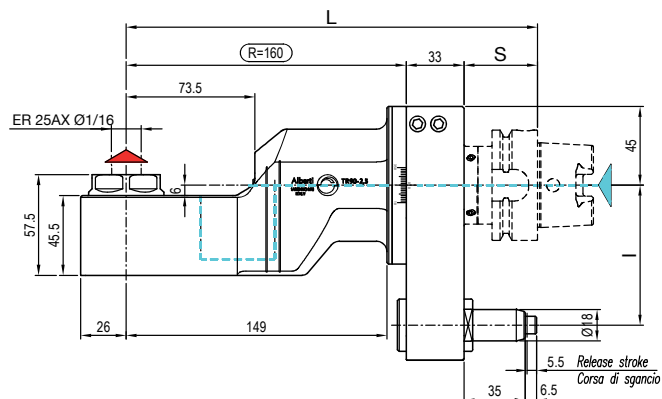
Weight
Peso
7.5 kg



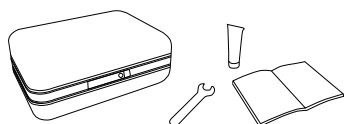
Collet
Pinza
ER-AX 25 (Ø 1-16 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Shank / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	219	219	219	225	226	229	222	224	224

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno



bar max
100

Coolant through spindle
Refrigerante attraverso il cono



min⁻¹
8.000

RPM max.
RPM max.

THRcn-2.5 Neo IC

ACTHR925C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹

DRY
Running
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
40 Nm



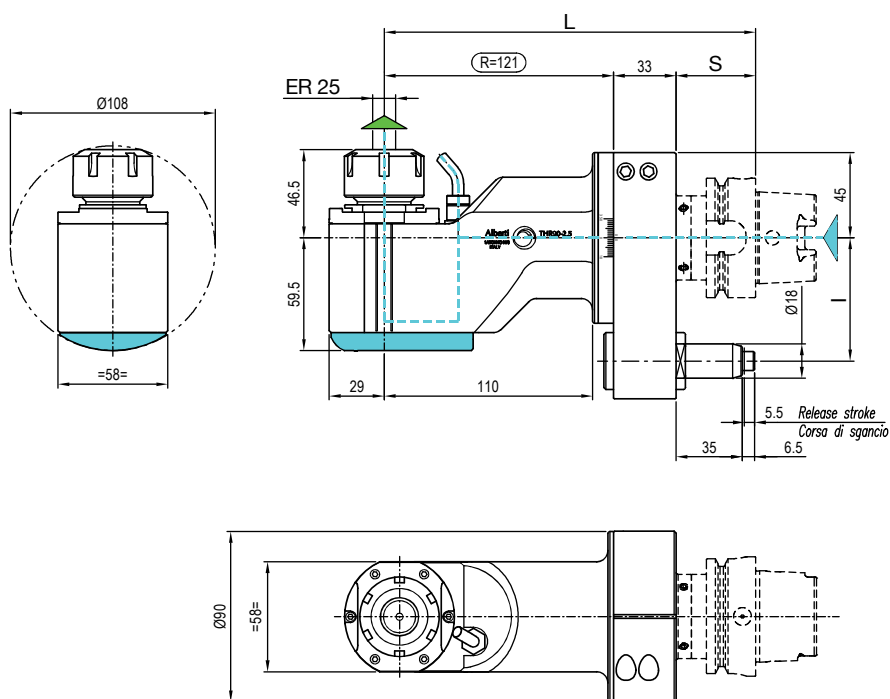
Weight
Peso
6.5 kg



Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (ø 1/16 mm)



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

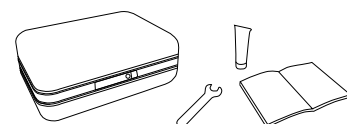


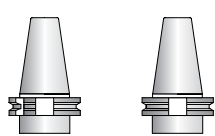
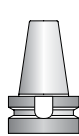
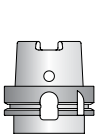
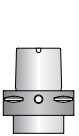
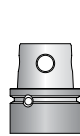
Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



Dry rotation is possible / rotazione a secco possibile

Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar



									
Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63
I	65-80	80-(110*)	65-80 -(110*)		65-80-(110*) 80-(110*)		65-80-(110*) 80-(110*)		65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	189	189	189	195	196	199	192	194	194

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

TCUcn-2.5 Neo

ACTCU25C

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



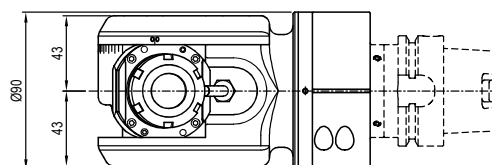
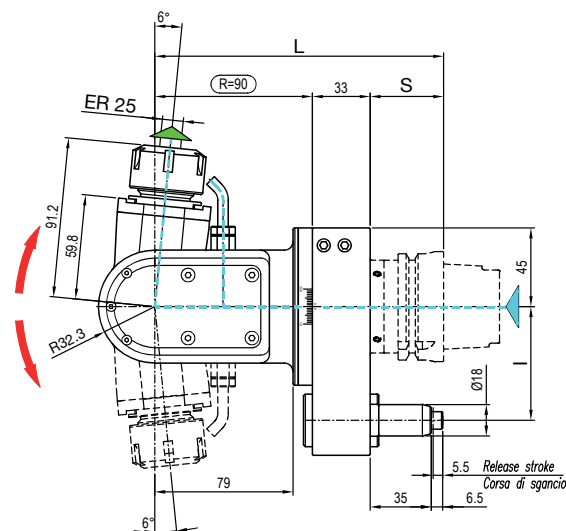
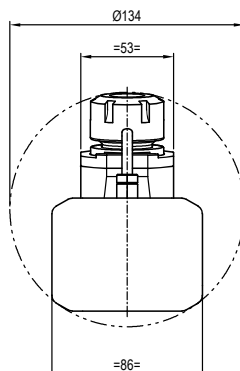
Weight
Peso
7 kg



Tapping
Maschiatura
Max. M12

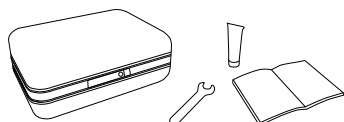


Collet
Pinza
ER-25 (ø 1/16 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile

Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)
S	35	35	35	41	42	45	38	40	40
L	158	158	158	164	165	168	221	163	163

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo

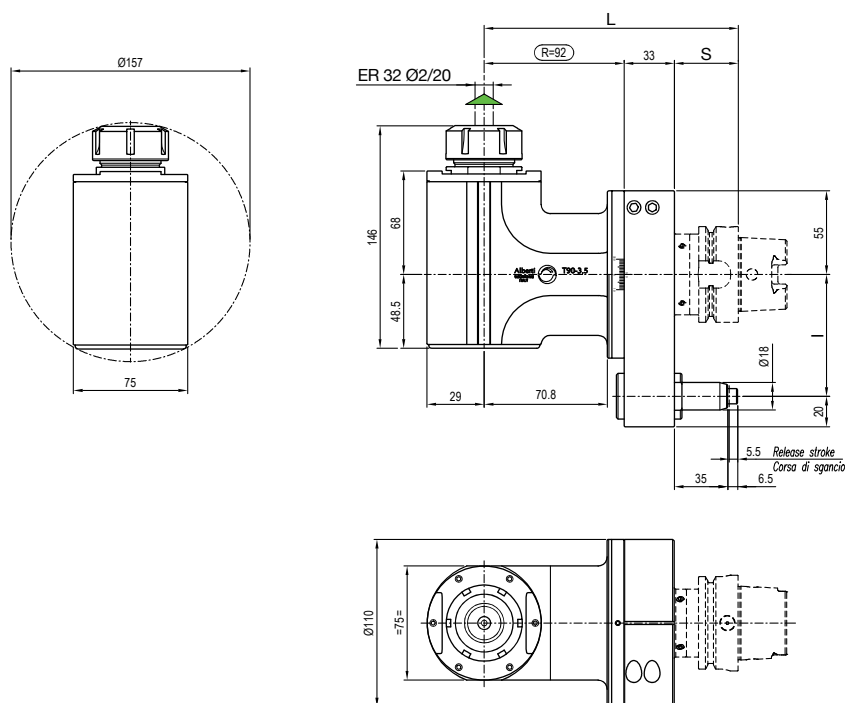


every
5°

Fixed positioning
Posizionamento fisso

T90cn-3.5C Neo

ACT9035C



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



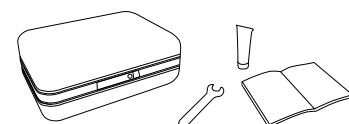
Collet
Pinza
ER-32 (ø 2/20 mm)

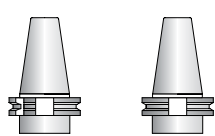
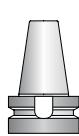
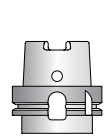
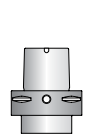
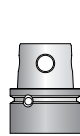


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



								
Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO		KM
Size / Grandezza	50		63-80	63-80	100	C6	C8	63
I	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
L	160		166	167	170	163	165	165

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



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

T90cn-3.5C Neo IC

ACT9035C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹ | DRY
Running
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



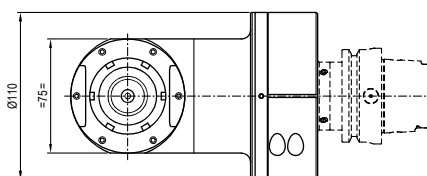
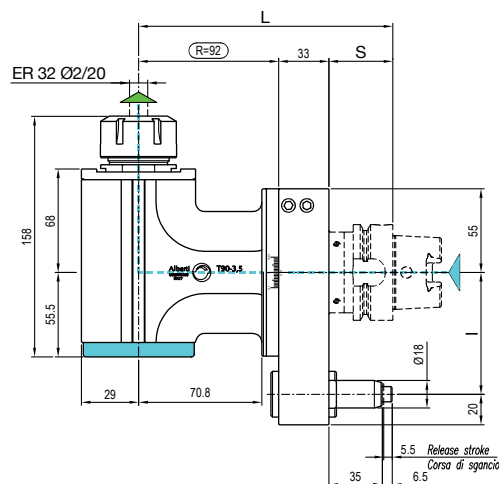
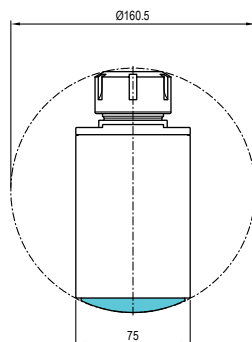
Weight
Peso
11 kg



Tapping
Maschiatura
Max. M16



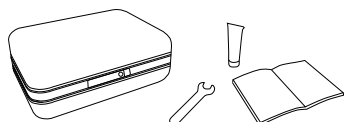
Collet
Pinza
ER-32 (ø 2/20 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM
Size / Grandezza	50		63-80	63-80 100	C6 C8	63
I	80-110		80-110	80-110 80-110	80-110 80-110	80-110
S	35		41	42 45	38 40	40
L	160		166	167 170	163 165	165

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon

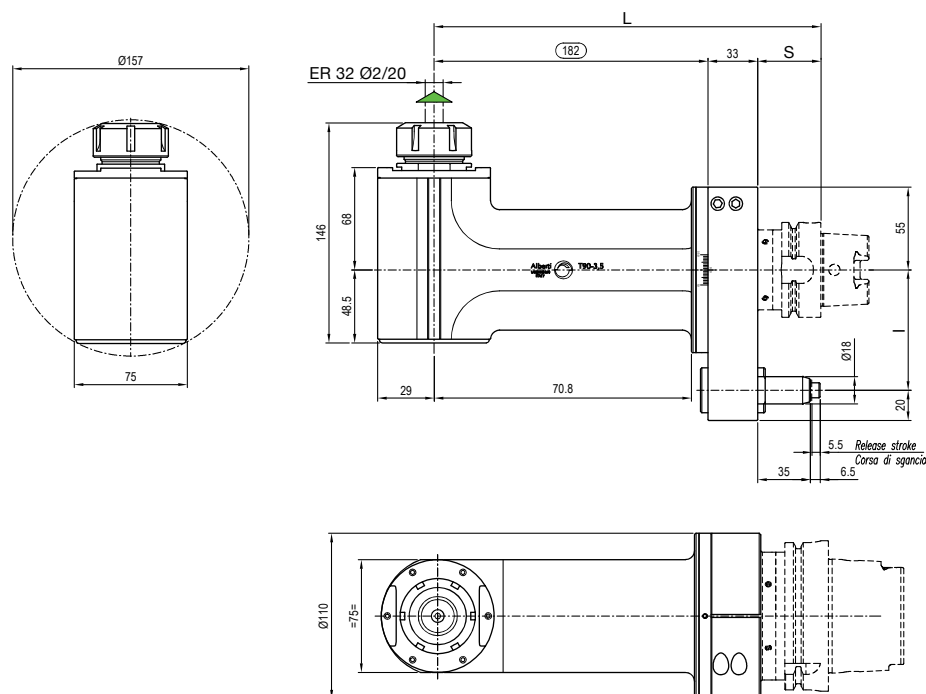


ISO-30 HSK-40

Quick Change
Attacco rapido

T90cn-3.5L Neo

ACT9035L



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



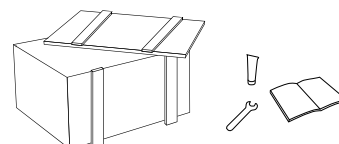
Collet
Pinza
ER-32 (ø 2/20 mm)



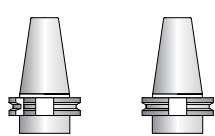
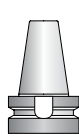
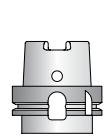
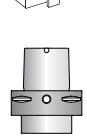
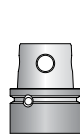
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



*** STANDARD EQUIPMENT includes:**

								
Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO		KM
Size / Grandezza	50		63-80	63-80	100	C6	C8	63
I	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
XL	250		256	257	260	253	255	255

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



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

T90cn-3.5L Neo IC

ACT9035L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹ **DRY**
Running
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



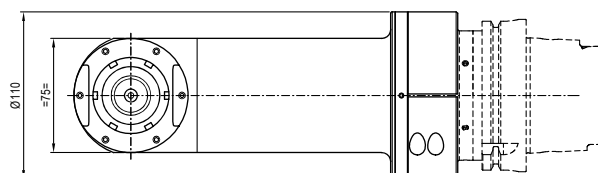
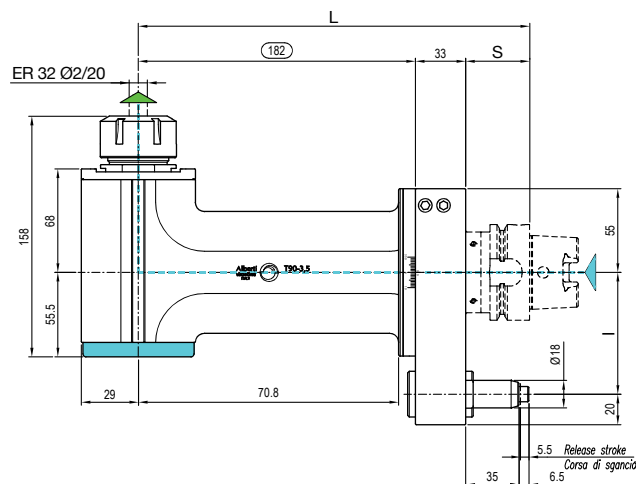
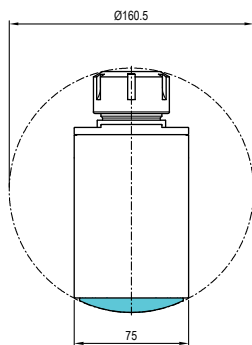
Weight
Peso
13.2 kg



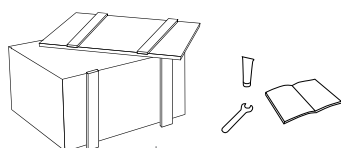
Tapping
Maschiatura
Max. M16



Collet
Pinza
ER-32 (ø 2/20 mm)



* STANDARD EQUIPMENT includes:



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM
Size / Grandezza	50		63-80	63-80 100	C6 C8	63
I	80-110		80-110	80-110 80-110	80-110 80-110	80-110
S	35		41	42 45	38 40	40
XL	250		256	257 260	253 255	255

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido

T90cn-3.5 2U Neo

ACT9035D

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
70 Nm



Weight
Peso
12 kg

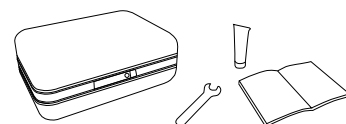


Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT includes:**



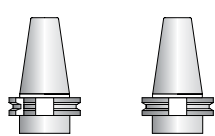
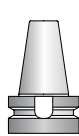
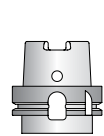
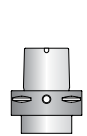
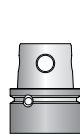
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



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

								
Shank / Cono	DIN-69871		MAS-BT	HSK		CAPTO		KM
Size / Grandezza	50		50	63-80	100	C6	C8	63
I	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
L	160		166	167	170	163	165	165

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido

TR90cn-3.5

ACTR935C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
910 N



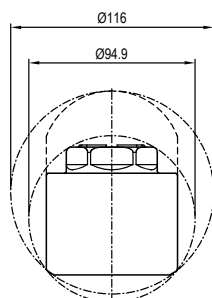
Torque
Momento torcente
50 Nm



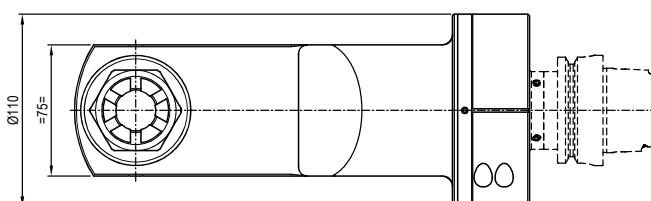
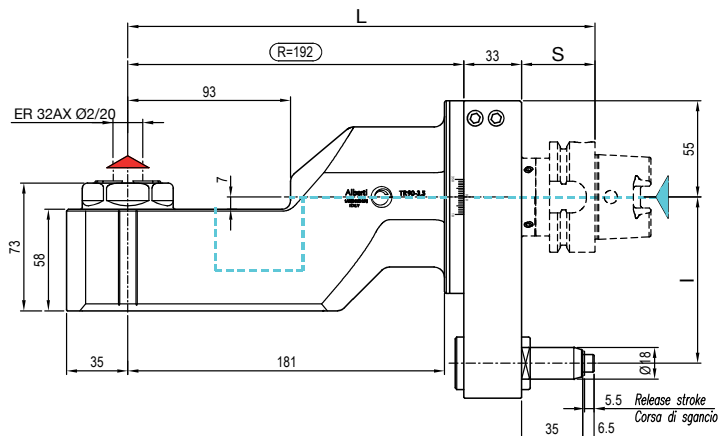
Weight
Peso
10 kg



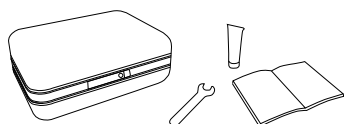
Collet
Pinza
ER-AX 32 (ø 2-20 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



- Direction of rotation opposite as machine spindle / senso di rotazione contrario al mandrino
- Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Shank / Cono	DIN-69871		CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	50			50		63-80	100	C6	C8	63
I	80-110			80-110		80-110	80-110	80-110	80-110	80-110
S	35			41		42	45	38	40	40
L	261			267		268	271	264	266	266

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

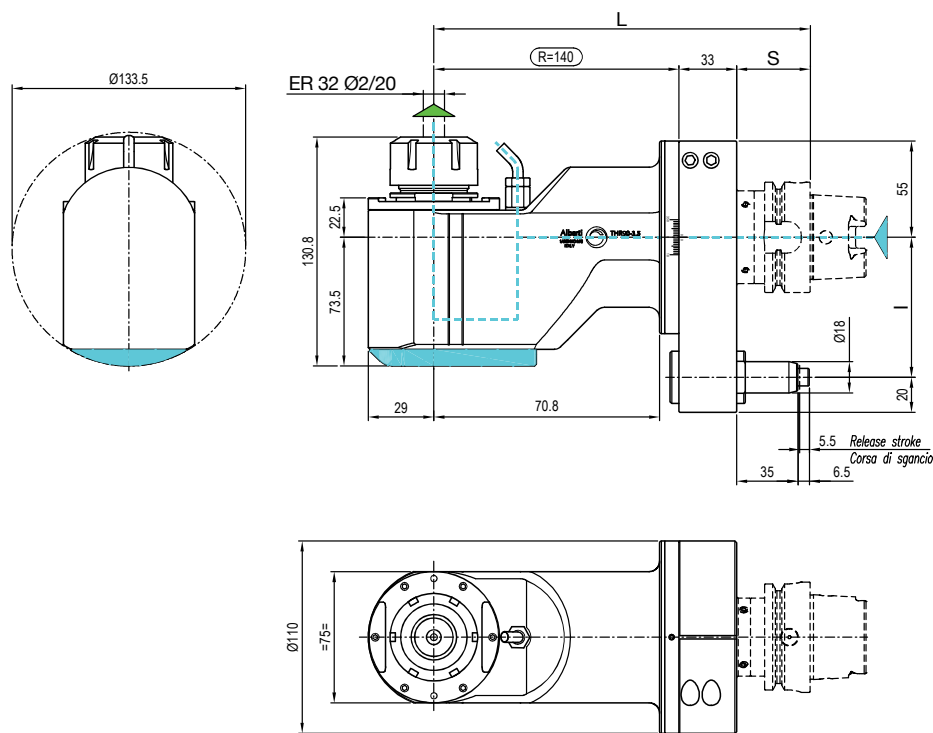


min⁻¹
6.000

RPM max.
RPM max.

THRcn-3.5 Neo IC

ACTHR935C.IC



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹

DRY
Running
5.000 min⁻¹



Max. axial load
Max. carico assiale
1250 N



Torque
Momento torcente
70 Nm



Weight
Peso
11.5 kg



Tapping
Maschiatura
Max. M16



Collet
Pinza
ER-32 (ø 2/20 mm)



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



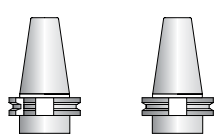
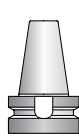
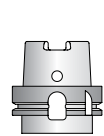
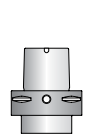
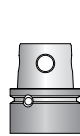
Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



Dry rotation is possible / rotazione a secco possibile

Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar



								
Spindle / Cono	DIN-69871		MAS-BT	HSK		CAPTO		KM
Size / Grandezza	50		50	63-80	100	C6	C8	63
I	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
L	208		214	215	218	211	213	213

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

TCUcn-3.5 Neo

ACTCU35C

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



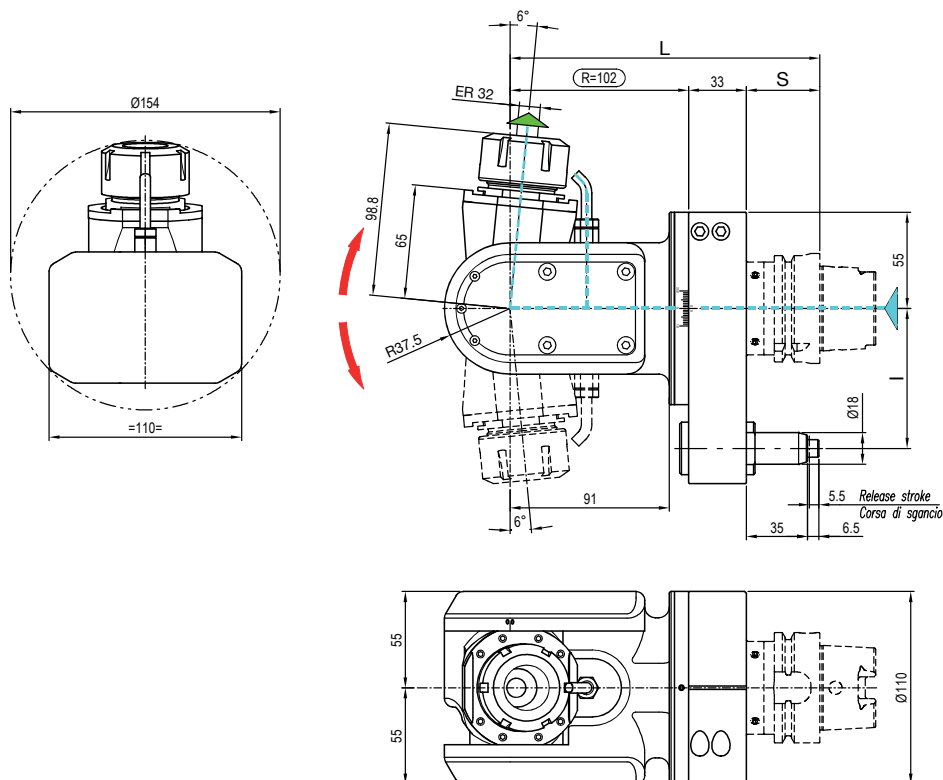
Weight
Peso
13 kg



Tapping
Maschiatura
Max. M16

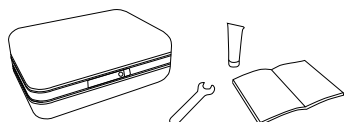


Collet
Pinza
ER-32 (ø 2/20 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM
Size / Grandezza	50		50	63-80	100	63
I	80-110		80-110	80-110	80-110	80-110
S	35		41	42	45	40
L	170		176	177	180	175

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo



every
5°

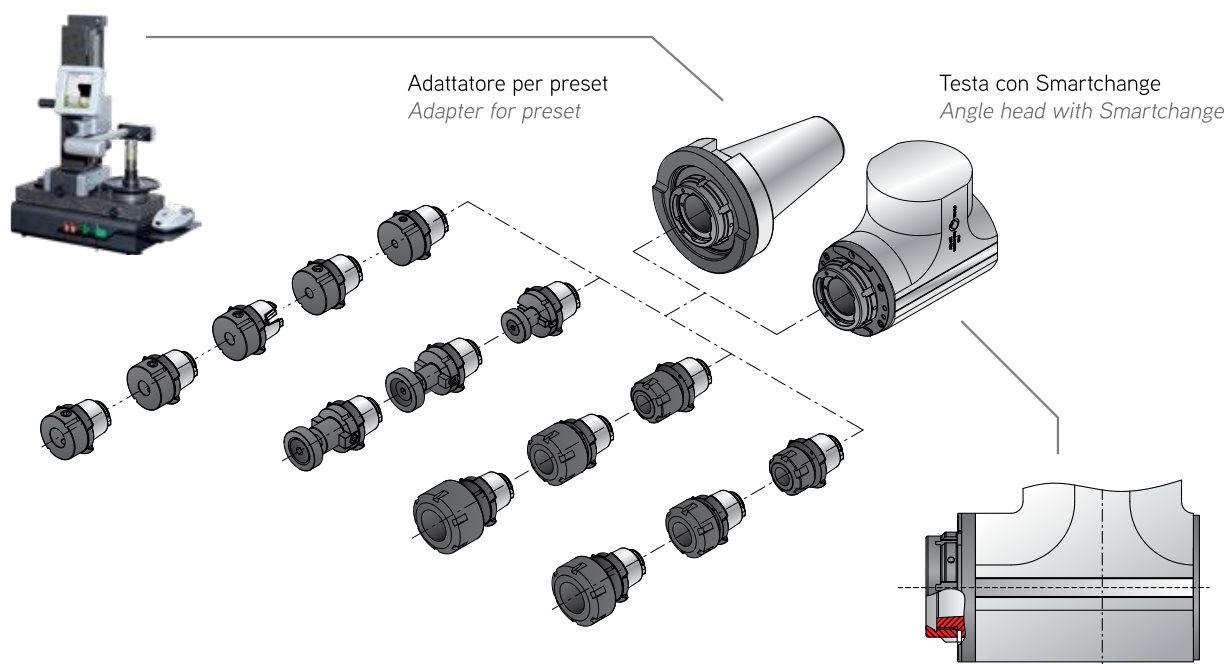
Fixed positioning
Posizionamento fisso



LINEA Smart Change

Smart Change è un sistema facile e innovativo, compatto nel design e veloce da utilizzare, che, grazie ad un triplo contatto, riesce a garantire una maggior rigidità e permette una miglior precisione durante la lavorazione. La modularità del sistema dà quindi la possibilità all'utilizzatore di poter usufruire di un'ampia gamma di adattori di diversa dimensione che possono essere presettati fuori macchina in tempo mascherato, aumentando così la produttività e diminuendo tempi e costi di attrezzamento macchina.

Smart Change is an easy and innovative system, compact in design and quick to use, which, thanks to a triple contact, manages to ensure greater rigidity and allows better precision during the processing. The modularity of the system therefore gives the user the possibility to take advantage of a wide range of different size adapters that can be pre-set off the machine in masked time, thus increasing productivity and decreasing tooling times and costs machine.



 **TOOL ID**



Le cartucce **Smart Change** sono provviste di **DATAMATRIX** per l'identificazione e la gestione utensile in modo automatico. Il codice univoco è identificativo della cartuccia con il suo utensile.

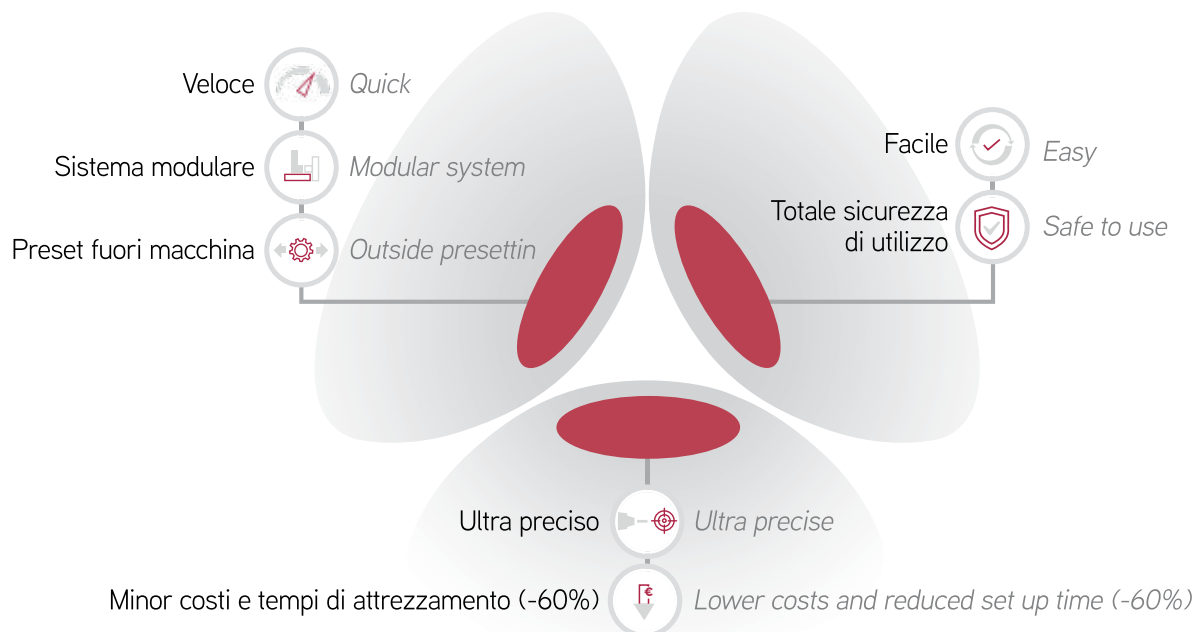
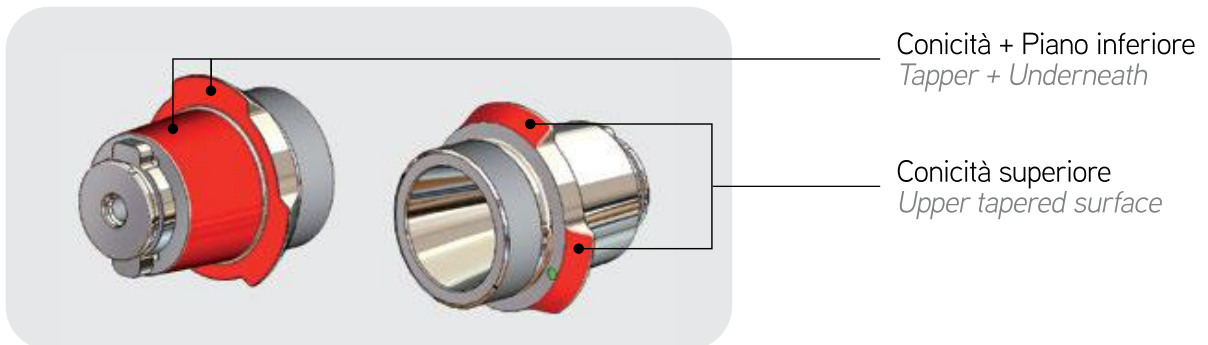
Smart Change adapters are marked with DATAMATRIX for the automatic tool identification and management. The unique code identify the adapter a long with its cutting tool.

LINEA SMART CHANGE

Perchè **3 VOLTE SMART...**

Why 3 times smart...

Il sistema **Smart Change** sfrutta ben **3 superfici di contatto** per una maggior precisione e ripetibilità.
Our Smart Change system features 3 contact surfaces as shown for a higher precision and accuracy.



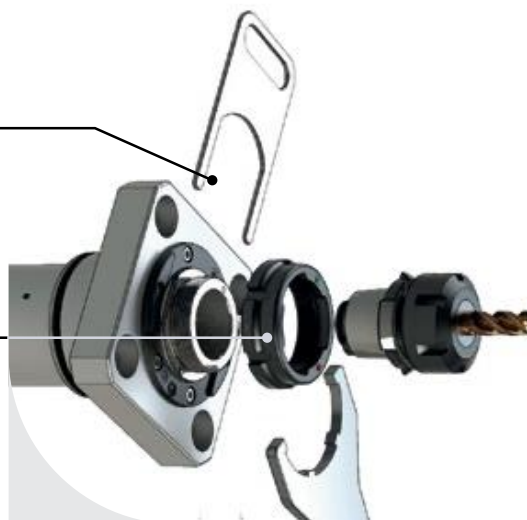
INCREMENTO DELLA PRODUTTIVITÀ
INCREASED PRODUCTIVITY

COME È FATTO.

How it is made

- **Chiave di riscontro SmartChange**
(permette montaggio con una sola mano)
SmartChange Wrench
(one-hand handling)

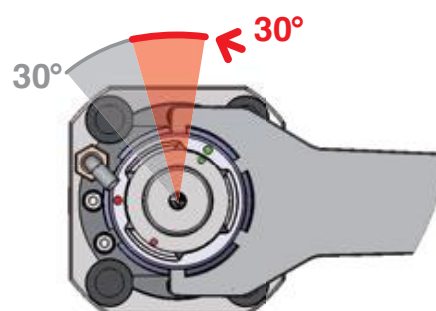
- **Ghiera SmartChange brevettata**
(fissata al corpo principale)
Patented SmartChange nut
(fixed on the main body)



COME FUNZIONA.

How it works

- **Bloccaggio Ghiera**
Clamping nut
- **Sbloccaggio**
Unclamping
- **Estrazione**
Pull out



Tempo massimo di sostituzione cartucce
Time to change front end

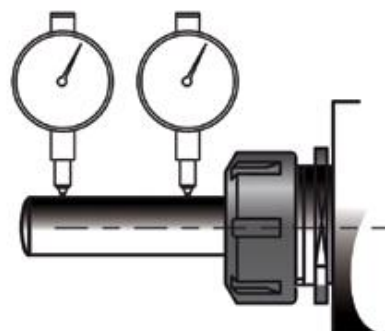
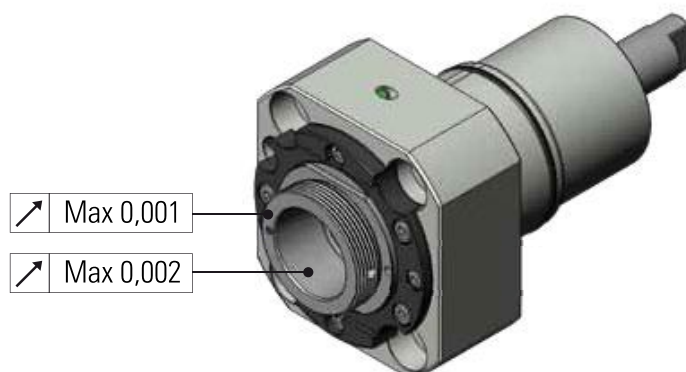
20"

Ripetibilità / *Repeatability*

0,003 mm

Precisione con barra inserita nel mandrino
Accuracy with gauge bar inserted in the collet chuck

a 40mm = 0.008 mm | at 40mm = 0.008 mm
a 120mm = 0.01 mm | at 120mm = 0.01 mm



DATI TECNICI.

Technical Data

PORTAPINZA INCASSATO IN-BUILT COLLET	ER-20A (Ø1/13mm)			ER-25A (Ø1/16mm)																	
	Ø	A	D	Ø	A	D															
	1/13	21.5	36.8	1/16	32.4	41															
PORTAPINZA / COLLET	ER-20 (Ø1/13mm)			ER-25 (Ø1/17mm)			ER-32 (Ø2/22mm)			PORTAPINZA / COLLET	ERC20 (Ø1/13mm)			ERC25 (Ø1/16mm)			ERC32 (Ø2/20mm)				
	Ø	A	D	Ø	A	D	Ø	A	D		Ø	A	D	Ø	A	D	Ø	A	D		
	1/13	28.5	34	1/16	30.5	42	2/20	41.5	50		1/13	33.5	34	1/16	35.5	42	2/20	46.5	50		
WELDON	(Ø6)			(Ø5)			(Ø10)			(Ø12)			(Ø16)								
	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D						
	6	20	36.8	8	20	36.8	10	20	36.8	12	20	36.8	16	20	36.8						
PORTAFRESA / SHELL MILL	(Ø13)			(Ø16)			(Ø22)														
	Ø	A	H	Ø	A	H	Ø	A	H												
	13	24.5	13	16	30.5	17	22	32.5	19												
CALETTAMENTO / SHRINK FIT	(Ø3mm)			(Ø4mm)			(Ø6mm)			(Ø8mm)			(Ø10mm)			(Ø12)			(Ø16)		
	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D
	3	40	13	4	40	15	6	40	21	8	40	21	10	40	24	12	40	24	16	45	27
WELDON POLLICI / INCH	(Ø1/4")			(Ø3/8")			ER-20 (Ø1/2")			(Ø5/8")			(Ø3/4")								
	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D	Ø	A	D						
	1/4"	20	36,8	3/8"	20	36,8	1/2"	20	36,8	5/8"	20	36,8	3/4"	20	36,8						
PORTAFRESA POLLICI SHELL MILL INCH	(Ø3/4")			(Ø1")																	
	Ø	A	H	Ø	A	H															
	3/4"	31	17,5	1"	30,77	17,27															
BLANK	BLANK																				
	Ø	A	D																		
	/	81	52																		

Accessori / Accessories



Adattatore preset ISO/BT
Preset adapter ISO/BT



Adattatore preset HSK
Preset adapter HSK



Tool boy



Chiavi di servizio
Wrenches

PRESETTAGGIO fuori macchina.

Outside presetting

Una volta montato l'utensile è possibile **presettare la cartuccia utilizzando l'apposito adattatore.**

Once the cutting tool is mounted, it is possible to preset the adapter in the presetter thanks to the Smart Change adapter.

Adattatori disponibili

ISO -BT 40 / 50 -
HSK 63 / 100

Available adapters
ISO -BT 40 / 50 -
HSK 63 / 100



Ciò permette di **ridurre i tempi e i costi** legati all'attrezzamento macchina che avverrà in tempo mascherato, **aumentando notevolmente la produttività.**

*This system allows to **reduce time and costs** for the set up with **tremendous increase in the productivity.***

Grazie alla **nuova applicazione** è possibile **presettare tutta la testa con una cartuccia montata.** Una particolare attrezzatura su cui è fissato lo Stop Block permette di montare l'intera testa nel preset e rilevare le misure necessarie.

*Thanks to the **new application** it is possible to **preset the complete head with the adapter mounted.** A special fixture with the Stop Block allows to install the head into the presetter to measure the needed dimensions.*

Immagine del presettaggio di una testa angolare regolabile: il preset misura l'angolo, dopo aver identificato i punti destro e sinistro, calcola in automatico il centro di rotazione dell'utensile e il suo diametro.

The picture shows the preset of an adjustable angle head: the preset measures the angle, after having identified the right and left points, it calculates automatically the rotations centre of the tool and its diameter.



T90cn-3.5 SMART CHANGE

AST9035C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



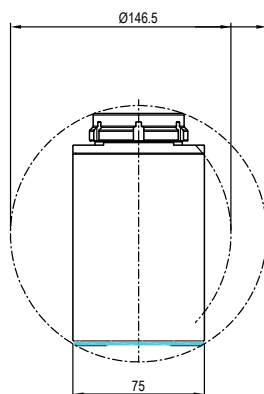
Torque
Momento torcente
70 Nm



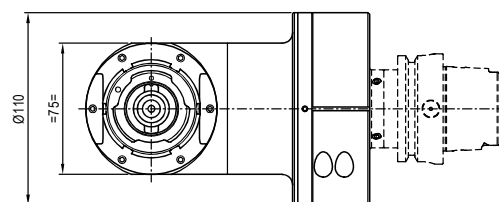
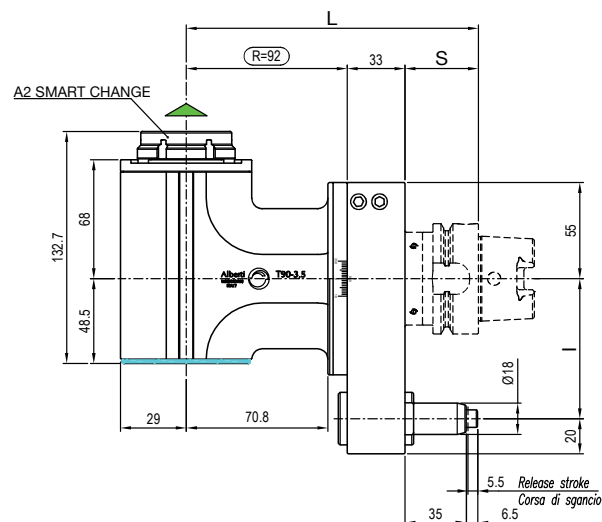
Weight
Peso
11 kg



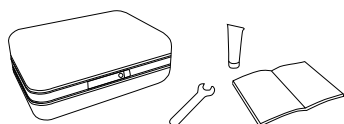
Collet
Pinza
SmartChange System



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
Size / Grandezza	50		50	63-80	100	C6	C8	63
I	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
L	160		166	167	170	163	165	165

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin and spindle
Refrigerante interno attraverso utensile



bar max
100

Coolant through spindle
Refrigerante attraverso il cono



min⁻¹
9.000

RPM max.
RPM max.



min⁻¹
6.000

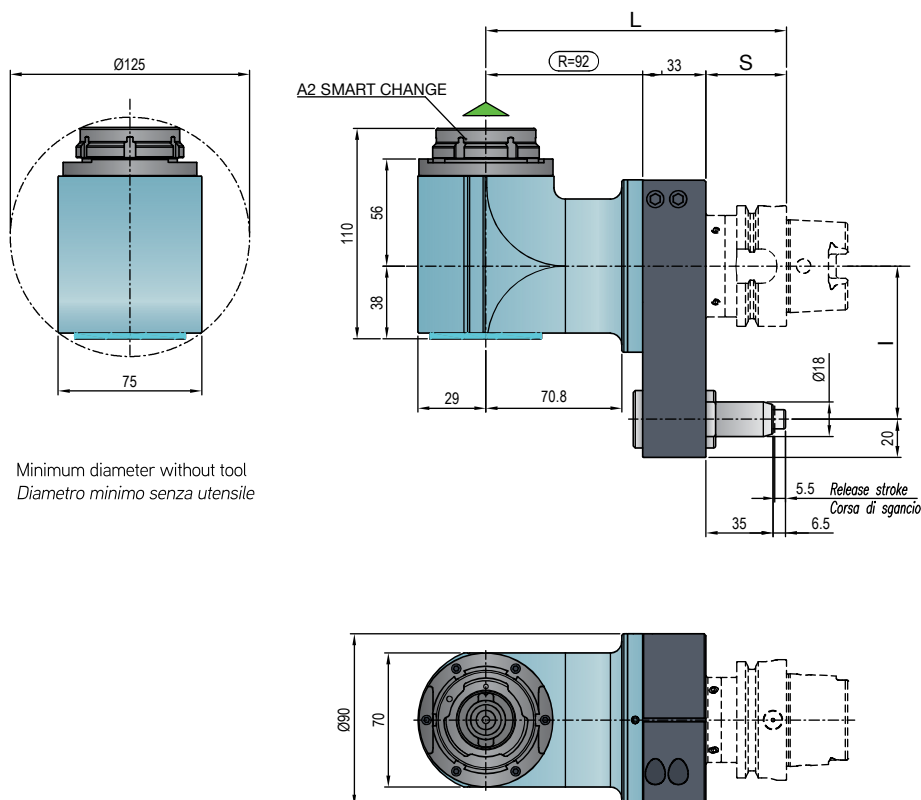
High speed optional RPM max.
Opzione alta velocità RPM max.

T90cn-3.5

ALUMINIUM

SMART CHANGE

AST9035C.ALU



Minimum diameter without tool
Diametro minimo senza utensile

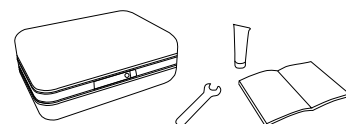
Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino

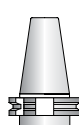
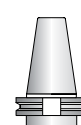
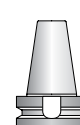
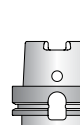
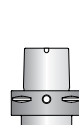
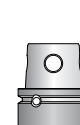
Technical data

Caratteristiche tecniche

-  Ratio
Rapporto
1:1
-  RPM
Velocità
5.000 min⁻¹
-  Max. axial load
Max. carico assiale
1.250 N
-  Torque
Momento torcente
40 Nm
-  Weight
Peso
5.5 kg
-  Collet
Pinza
Smart Change

* STANDARD EQUIPMENT
includes:



						
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM
Size / Grandezza	40		40	63-80	C6	63
I	80-110		80-110	110	80-110	80-110
S	35		41	42	38	40
L	150		156	157	153	155

Dual contact spindles available / Disponibilità coni a doppio contatto
*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max

12

Coolant through pin
Refrigerante attraverso il perno

TCUcn-3.5 Neo

ASTCU355C SMART CHANGE

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
715 N



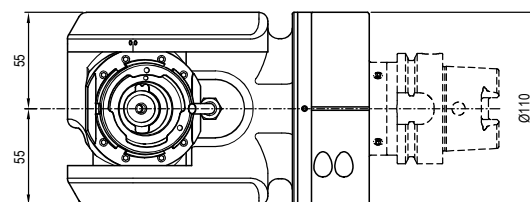
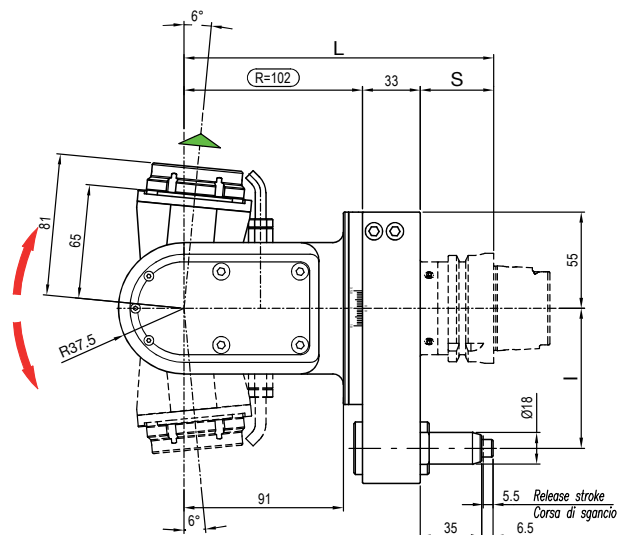
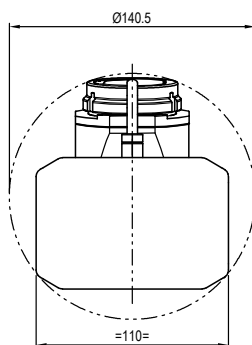
Torque
Momento torcente
50 Nm



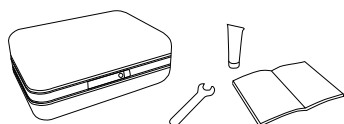
Weight
Peso
13 kg



Collet
Pinza
A2 Smart Change



*** STANDARD EQUIPMENT**
includes:



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

								
Shank / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO		KM
Size / Grandezza	50		50	63-80	100	C6	C8	63
I S L	80-110		80-110	80-110	80-110	80-110	80-110	80-110
	35		41	42	45	38	40	40
	160		166	167	170	163	165	165

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante interna



min⁻¹
6.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo



every
5°

Fixed positioning
Posizionamento fisso

T90cn-4.5C Neo

ACT9045C

Technical data

Caratteristiche tecniche


Ratio
Rapporto
1:1

RPM
Velocità
4.000 min⁻¹

Max. axial load
Max. carico assiale
1.750 N

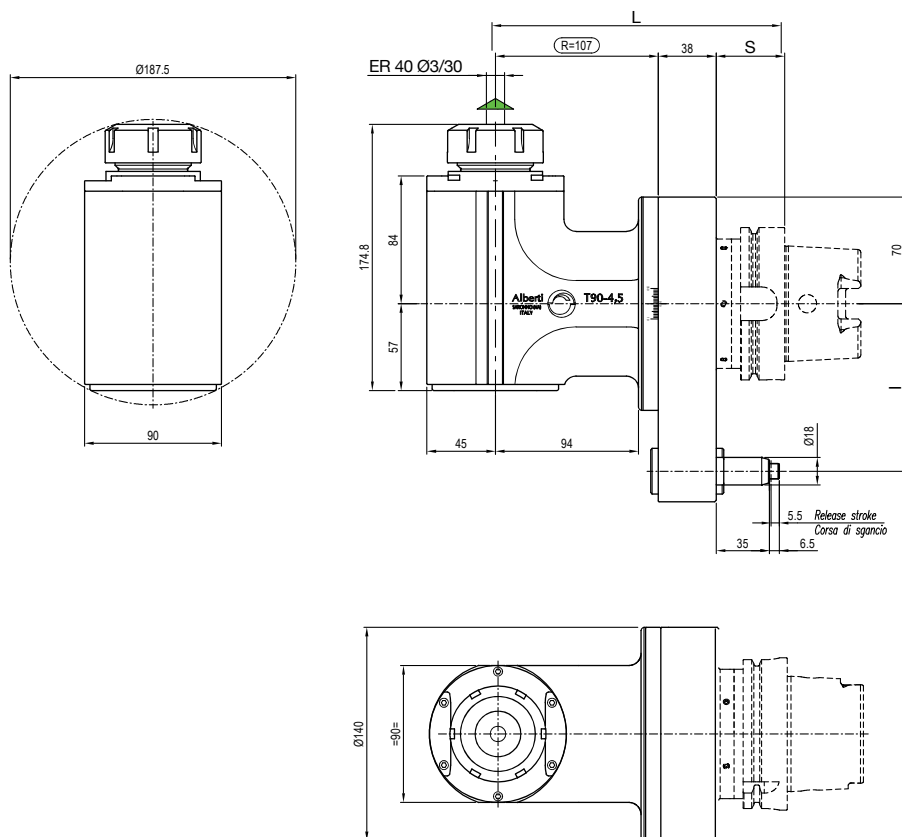
Torque
Momento torcente
90 Nm

Weight
Peso
17 kg

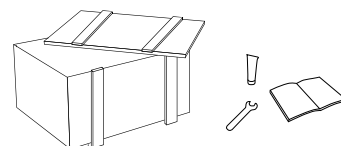
Tapping
Maschiatura
Max. M20

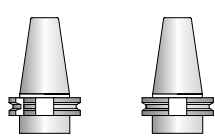
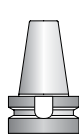
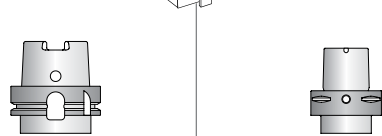
Collet
Pinza
ER-40 (ø 3/30 mm)

*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



					
Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	80	100
I	110		110	110	110
S	35		41	42	45
L	180		186	187	190

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione


 bar max
12

 Coolant through pin
Refrigerante attraverso il perno

 Ø mm
27

 Arbor output
Porta fresa

 Ø mm max.
25

 Weldon output
Weldon

HSK-40 / CAPTO C4

 Quick Change
Attacco rapido

ER 40/ER 25

 Double output
Doppia uscita

T90cn-4.5C Neo IC

ACT9045C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



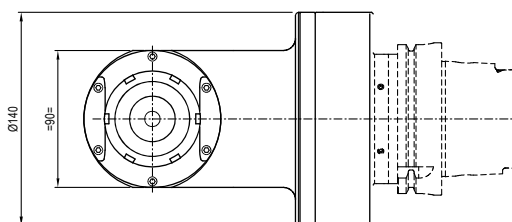
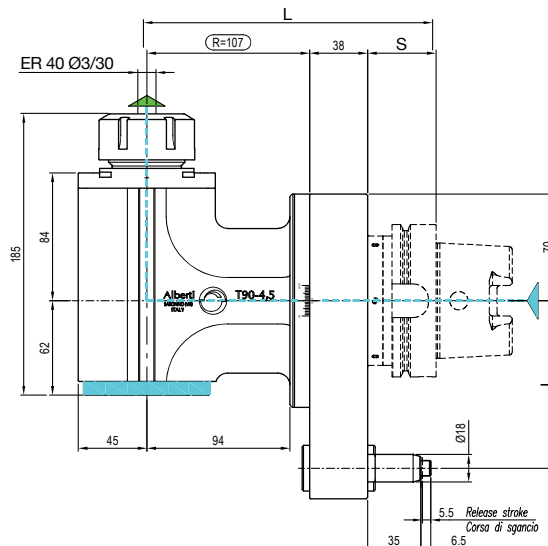
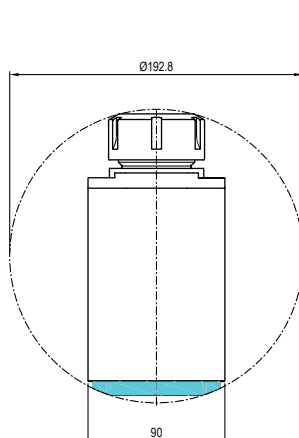
Weight
Peso
17 kg



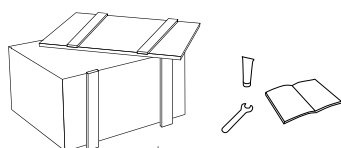
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 mm)



*** STANDARD EQUIPMENT**
includes:



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	80	C8
I	110		110	110	110
S	35		41	42	40
L	180		186	187	185

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon

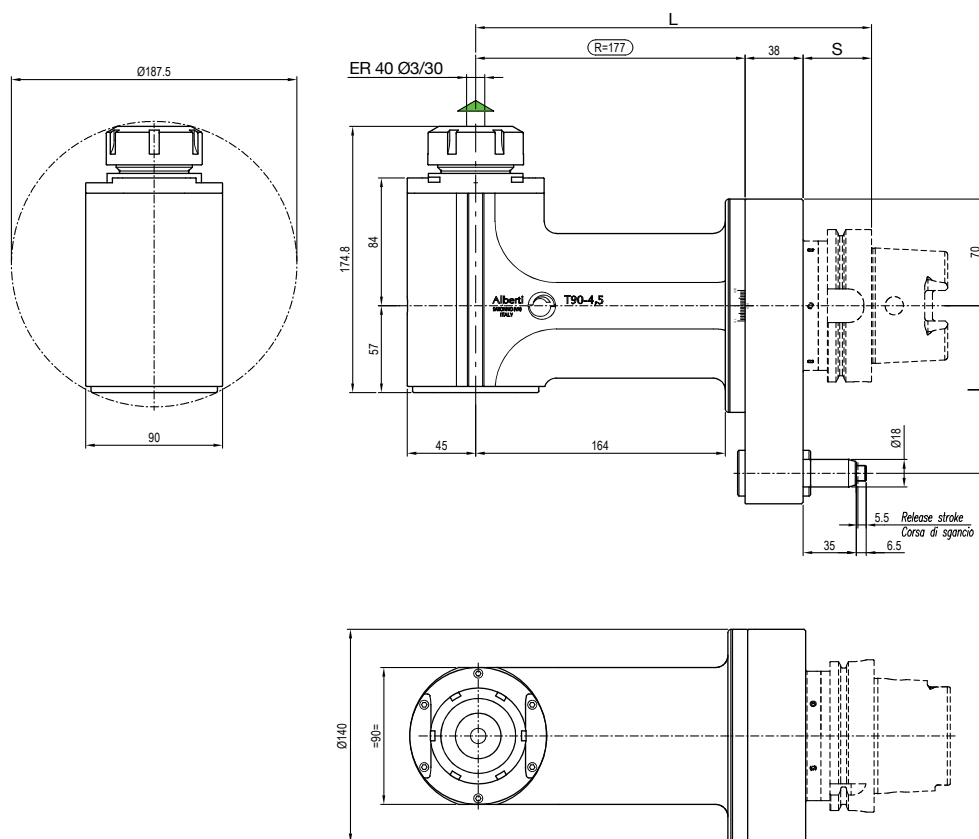


HSK-40 / CAPTO C4

Quick Change
Attacco rapido

T90cn-4.5L Neo

ACT9045L



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
Max. M20

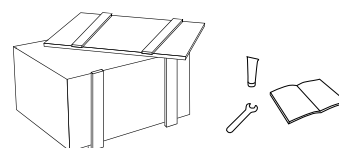


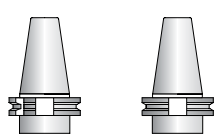
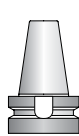
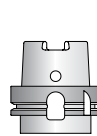
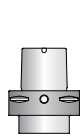
Collet
Pinza
ER-40 (ø 3/30 mm)

*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



						
Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO
Size / Grandezza	50		50	80	100	C8
I	110		110	110	110	110
S	35		41	42	45	40
XL	180		186	187	190	185

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40 / CAPTO C4

Quick Change
Attacco rapido



ER 40/ER 25

Double output
Doppia uscita

T90cn-4.5L Neo IC

ACT9045L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹ DRY
Running
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



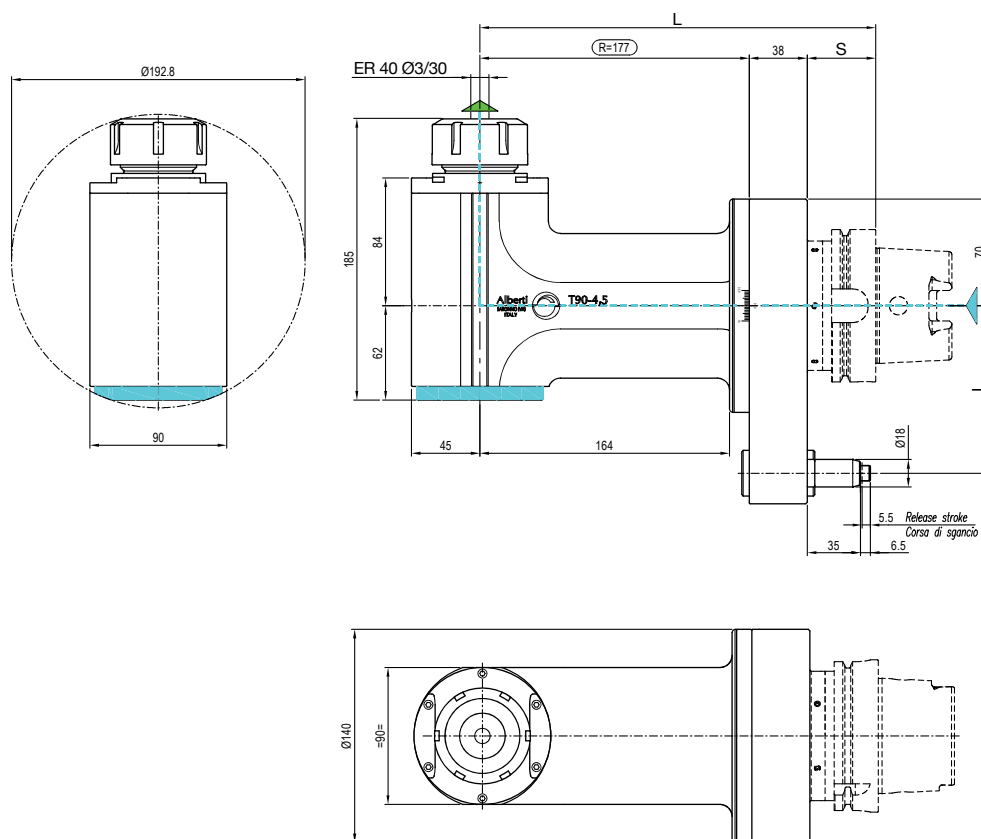
Weight
Peso
20 kg



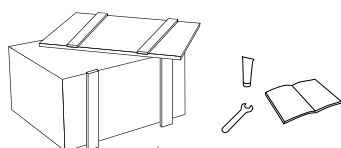
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 mm)



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	80	C8
I	110		110	110	110
S	35		41	42	40
XL	180		186	187	185

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon

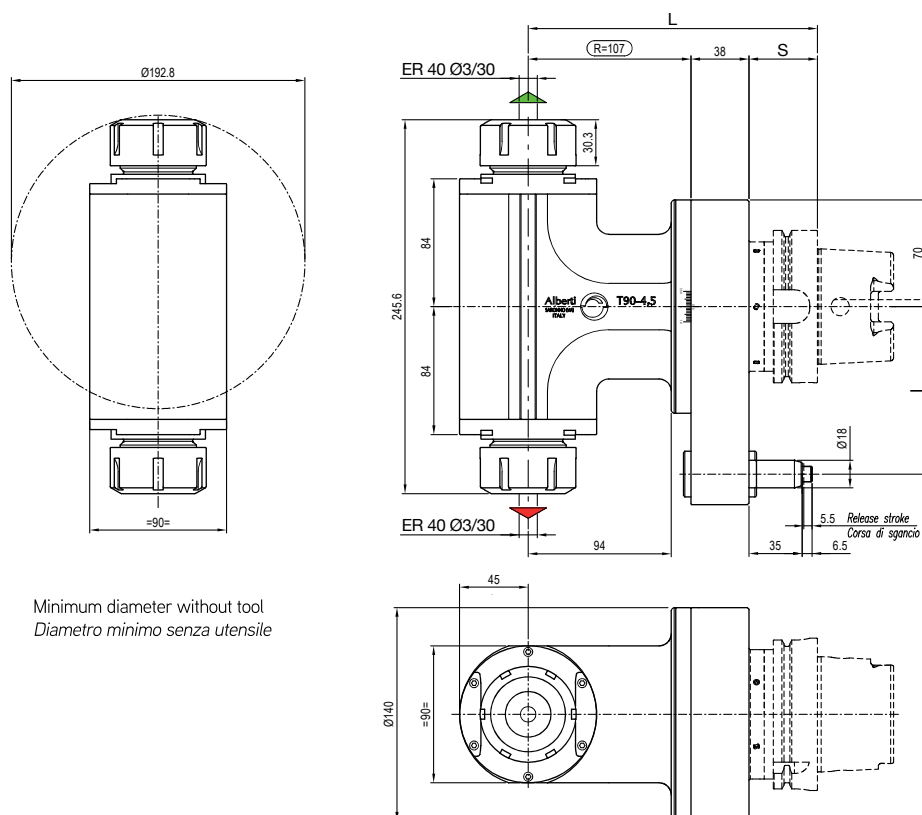


HSK-40 / CAPTO C4

Quick Change
Attacco rapido

T90cn-4.5 2U Neo

ACT9045D



Minimum diameter without tool
Diametro minimo senza utensile

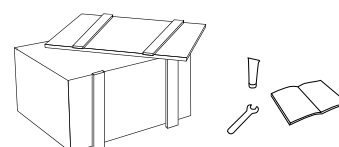
Technical data Caratteristiche tecniche

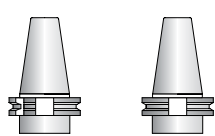
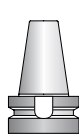
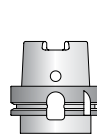
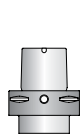
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
4.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
1.250 N
-  **Torque**
Momento torcente
50 Nm
-  **Weight**
Peso
20 kg
-  **Collet**
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT includes:**



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



						
Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO
Size / Grandezza	50		50	80	100	C8
I	110		110	110	110	110
S	35		41	42	45	40
L	180		186	187	190	185

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido

TR90cn-4.5

ACTR945C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



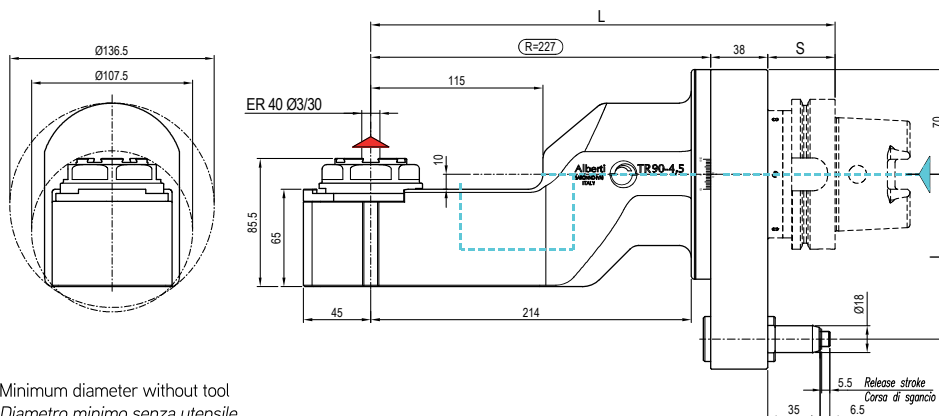
Torque
Momento torcente
90 Nm



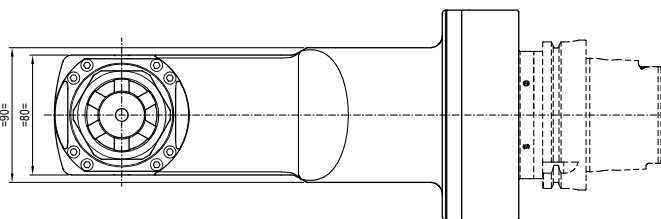
Weight
Peso
20 kg



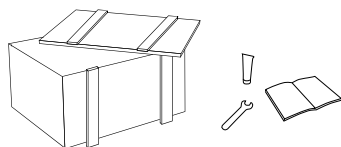
Collet
Pinza
ER-40 (ø 3/30 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO
Size / Grandezza	50		50	80	100	C8
I	110		110	110	110	110
S	35		41	42	45	40
L	297,5		303,5	304,5	307,5	302,5

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
100

Coolant through spindle
Refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.

T90cn-5 Neo

ACT905HP

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

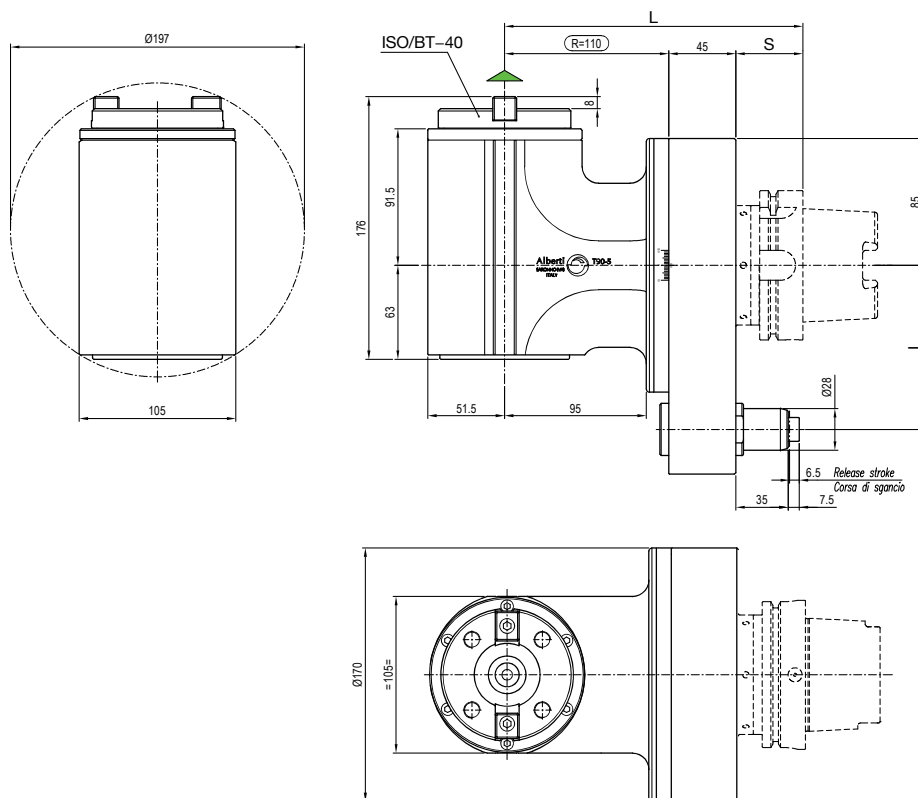


Tapping
Maschiatura
Max. M24

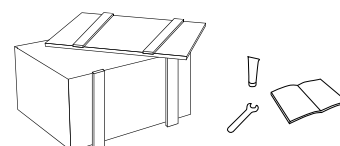


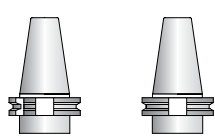
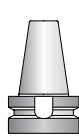
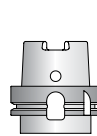
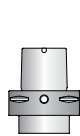
Collet
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / *senso di rotazione uguale al mandrino*
Dry rotation is possible / *rotazione a secco possibile*



					
Spindle / Cono	DIN-69871 CAT		MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	100	C8
I	110		110	110	110
S	35		41	45	40
L	190		196	200	195

Dual contact spindles available / *Disponibilità coni a doppio contatto*

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5C Neo IC

ACT905HP.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹ DRY
Running
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



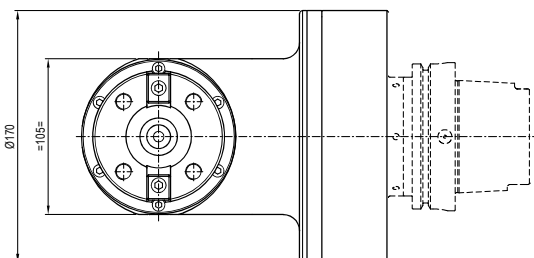
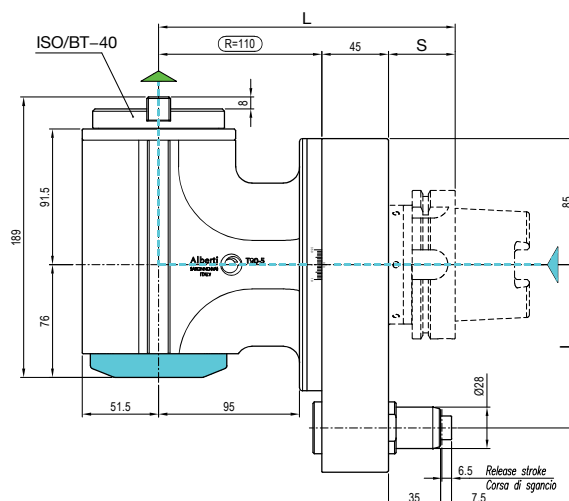
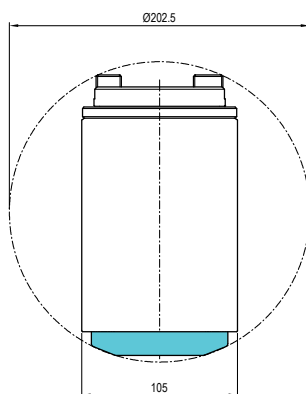
Weight
Peso
22 kg



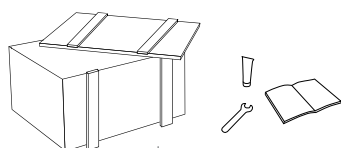
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



*** STANDARD EQUIPMENT includes:**



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar

Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	80	C8
I	110		110	110	110
S	35		41	42	40
L	297,5		303,5	304,5	302,5

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

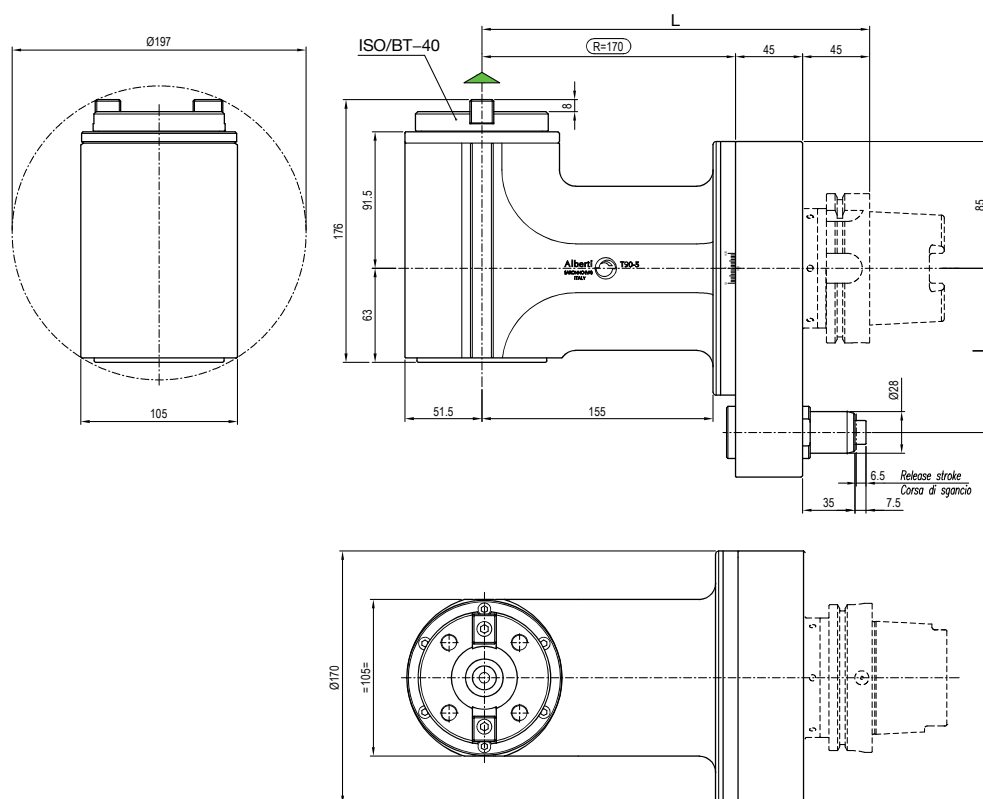


HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5L Neo

ACT905LHP



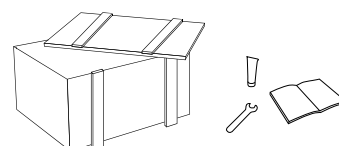
 Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile

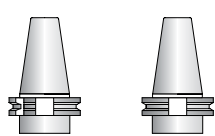
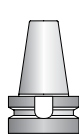
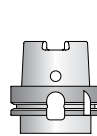
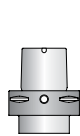
Technical data

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
26,2 kg
-  **Tapping**
Maschiatura
Max. M24
-  **Collet**
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



					
Spindle / Cono	DIN-69871		MAS-BT	HSK	CAPTO
Size / Grandezza	50	CAT	50	100	C8
I	110		110	110	110
S	35		41	45	40
XL	190		196	200	195

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max

12

Coolant through pin
Refrigerante attraverso il perno



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5L Neo IC

ACT905LHP.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹

DRY
Running
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



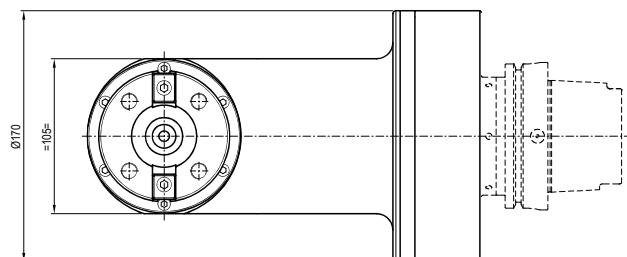
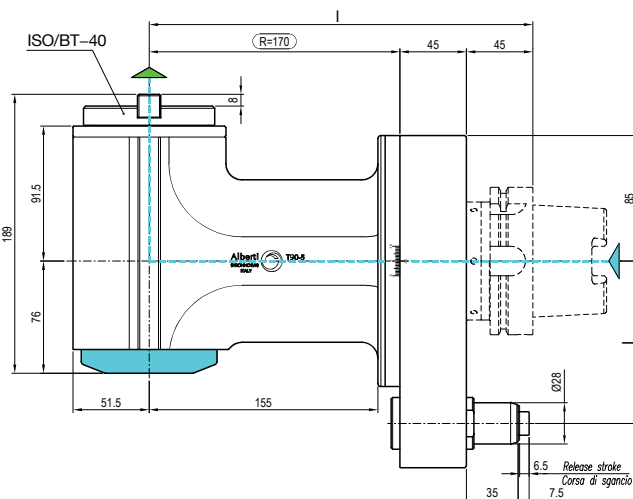
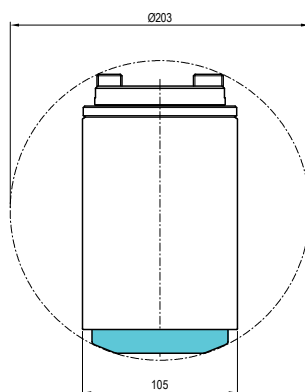
Weight
Peso
26,2 kg



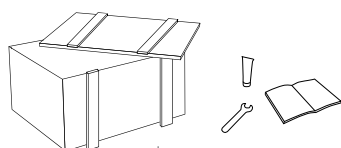
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



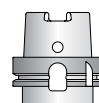
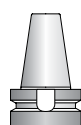
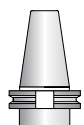
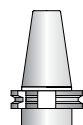
*** STANDARD EQUIPMENT**
includes:



Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar



Shank / Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size / Grandezza	50		50	80	C8
I	110		110	110	110
S	35		41	42	40
XL	297,5		303,5	304,5	302,5

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido



TESTE EXTENDED

Le **TESTE CON PROLUNGA** sono composte da un **blocco modulo di prolunga** sul quale vengono montate una selezione di teste standard.

Grazie alle **teste Extended** è possibile **variare la lunghezza utile della testa** senza ricorrere ad una soluzione speciale per realizzare lavorazioni che richiedono una lunghezza maggiorata.

*The **EXTENDED HEADS** are made up by a **portion of extension spacer** where it is possible to mount different standard heads.*

*Thanks to the **Extended heads** it is possible to **adjust the overall length of the head** without having a special solution. These heads are mainly used in all applications where the needed length must be extended compared to the standard offering.*



Grazie all'utilizzo di un materiale differente siamo inoltre riusciti a **contenere notevolmente il peso** rispetto alla precedente versione.

Un **sistema modulare componibile**, rende possibile variare la lunghezza del corpo testa aggiungendo l'**elemento di prolunga**.

*Thanks to a different material used we could also **reduce considerably the total weight**.*

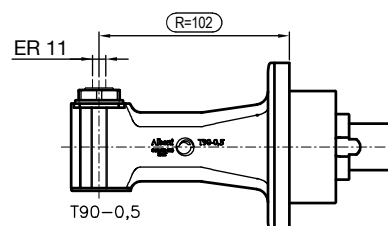
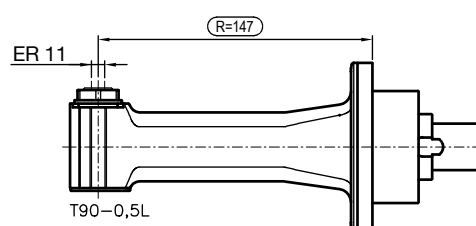
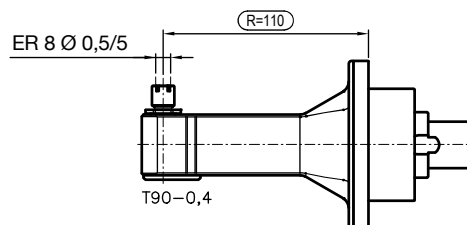
*The **modular system** makes it possible to extend the length of the body by **adding a spacer**.*



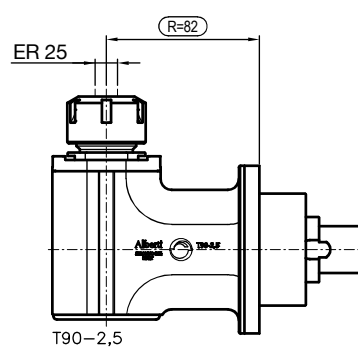
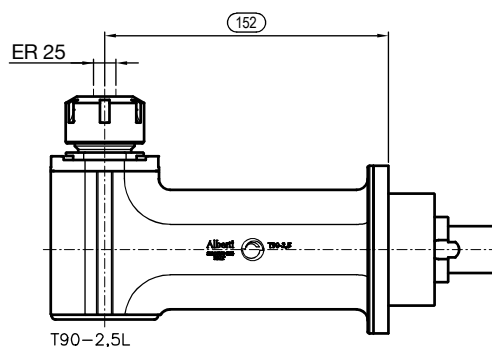
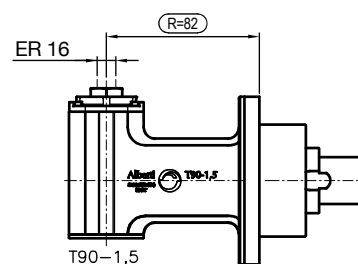
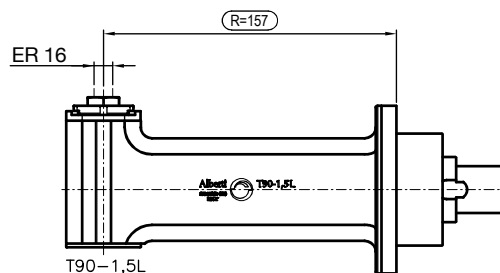
Teste con **PROLUNGA**

Extended heads

8.000 Rpm



6.000 Rpm



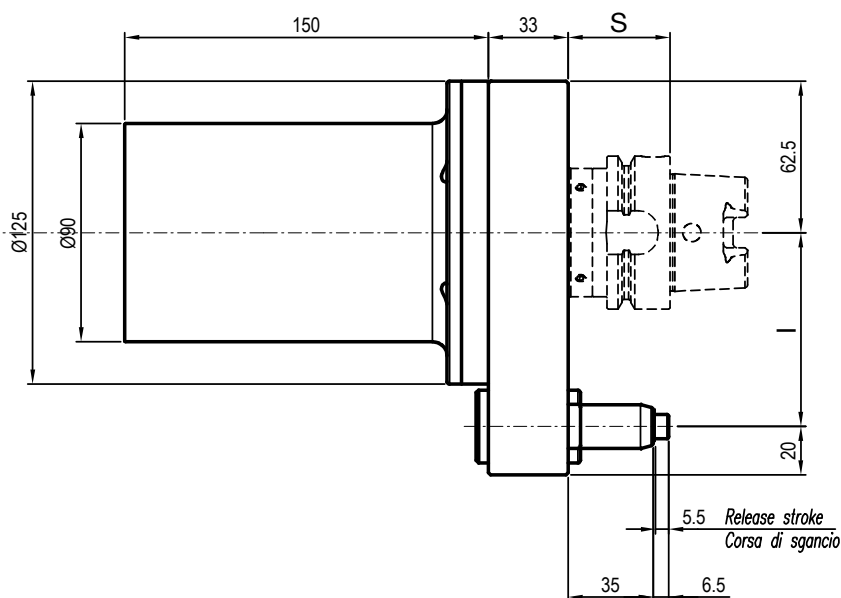
TECHNICAL DATA PAGE / CARATTERISTICHE TECNICHE A PAGINA

Testa / Head	Pagina / Page
T90-0,4	108
T90-0,5	109
T90-0,5L	110
T90-1,5	111
T90-1,5L	112
T90-2,5	114
T90-2,5L	115

Teste con **PROLUNGA** *Extended heads*



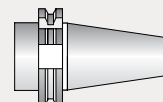
Weight
Peso
10 kg



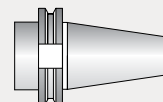
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

OPTIONAL DRIVE SHANK*
Non interchangeable input drive shank
Coni non intercambiabili

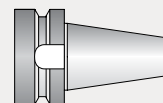
DIN-69871
ISO 40/50



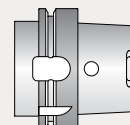
CAT
40/50



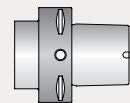
MAS-BT
40/50



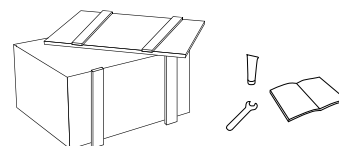
HSK
63/80/100



CAPTO
63/80/100



*** STANDARD EQUIPMENT includes:**



Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO	
Size / Grandezza	50		50	63-80	100	C6	C8
I	80-110		80-110	80-(110*)	80-110	80-(110*)	80-110
S	35		41	42	45	38	40
L	218		224	225	228	221	223

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

TOTAL LENGTH (R+L) / LUNGHEZZA TOTALE TESTA

Spindle / Cono	DIN-69871	CAT	MAS-BT	HSK		CAPTO	
Size / Grandezza	50		50	63-80	100	C6	C8
T90-0.4	mm	328	334	335	338	331	333
T90-0.5C	mm	320	326	327	330	323	325
T90-0.5L	mm	365	371	372	375	368	370
T90-1.5	mm	300	306	307	310	303	305
T90-1.5L	mm	375	381	382	385	378	380
T90-2.5	mm	300	306	307	310	303	305
T90-2.5L	mm	370	376	377	380	373	375



LINEA INDEX

Posizionamento automatico del portautensile su 360° tramite mandrino macchina tramite un sistema di frizione interno attivato da aria compressa max 6 bar.

NESSUNA POSIZIONE FISSA. ORIENTAMENTO SU TUTTI GLI ANGOLI.

*Automatic positioning of the cutting holder around 360° by using machine spindle through an internal clutch mechanism activated by compressed air max 6 bar. **NO FIXED POSITION. ANY ANGLE POSSIBLE.***

FAMIGLIA TESTE INDEX

Index heads



QR CODE SCAN

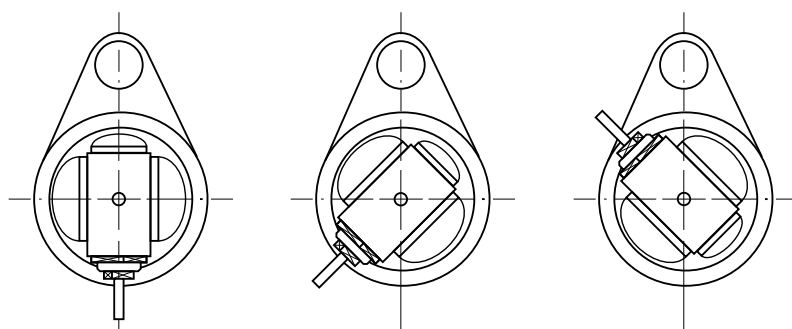


Linea **INDEX.**

INDEX Line

Le teste della **Linea INDEX** consentono di posizionare il portautensile in modo automatico sui 360° utilizzando l'asse controllato della macchina utensile. **Possono quindi essere montate SOLAMENTE su macchine con asse controllato e aria esterna (max 6 bar) tramite lo Stop Block.**

*With the **INDEX Line** it is possible to orientate and position automatically over 360° the output of the head by using the controlled axis of the machine center. This line **CAN ONLY** be mounted on machines with controlled C axis and external air through the Stop Block (max 6 bar).*



1 | Porzione di testa modular standard
posizionabile su 360°.
*Portion of the standard modular.
Head to be oriented over 360°.*

2 | Porzione di testa con
sistema INDEX.
*Portion of the head
with INDEX system.*

3 | Aria dallo Stop
Block (6 bar).
*Air trough the
Stop Block (6 bar).*



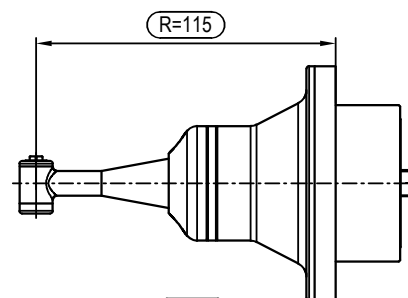
Linea **INDEX.**

INDEX Line

T90-0.3 SLIMLINE

Technical data / Dati tecnici

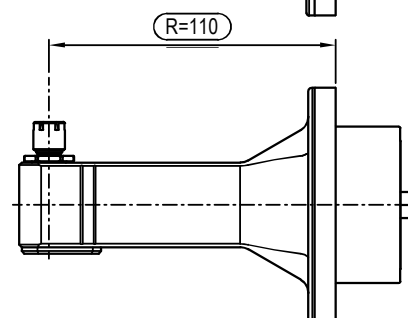
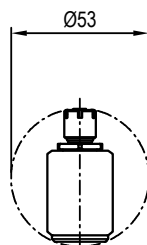
RPM max. / Max. Velocità input	min ⁻¹	15.000
Ratio (reduction)		3:4
Weight / Peso	Kg	3
Collet / Pinza		3 mm



T90-0.4

Technical data / Dati tecnici

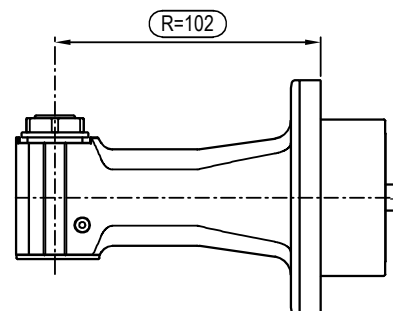
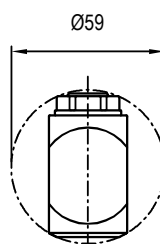
RPM max. / Max. Velocità input	min ⁻¹	10.000
Ratio		1:1
Weight / Peso	Kg	4
Collet / Pinza		ER-8 0,5/5 mm



T90-0.5

Technical data / Dati tecnici

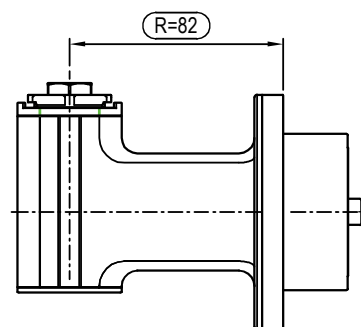
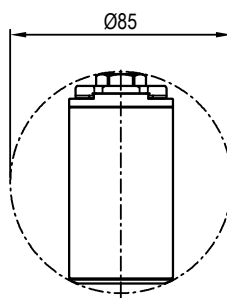
RPM max. / Max. Velocità input	min ⁻¹	10.000
Ratio		1:1
Weight / Peso	Kg	4
Collet / Pinza		ER-11 0,5/7 mm



T90-1.5

Technical data / Dati tecnici

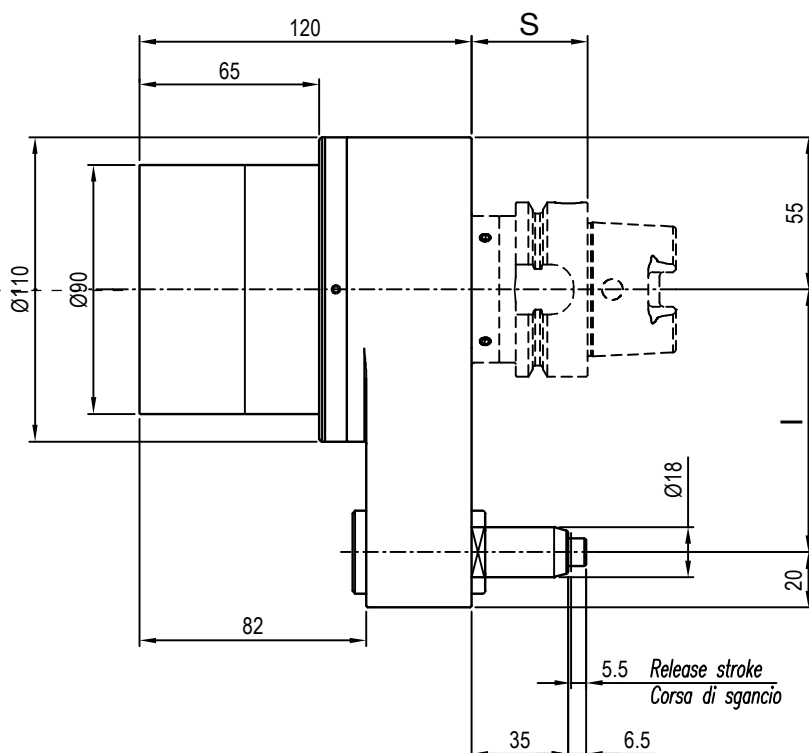
RPM max. / Max. Velocità input	min ⁻¹	8.000
Ratio		1:1
Weight / Peso	Kg	4.3
Collet / Pinza		ER-16 1/10 mm



Linea **INDEX.** *INDEX Line*

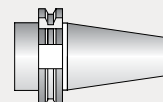


Weight
Peso
7.5 kg

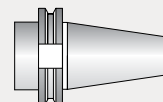


OPTIONAL DRIVE SHANK* Non interchangeable input drive shank Coni non intercambiabili

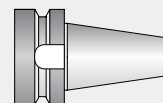
DIN-69871
ISO 40/50



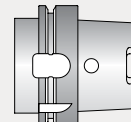
CAT
40/50



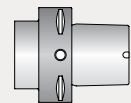
MAS-BT
40/50



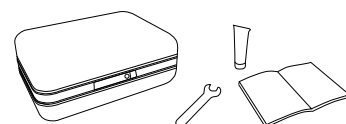
HSK
63/80/100



CAPTO
63/80/100



* STANDARD EQUIPMENT includes:



Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8
I	80-(110*)	80-110	80-(110*)	80-110	80-(110*)	80-110	80-(110*)	80-110
S	35	35	35	41	42	45	38	40
L	155	155	155	161	162	165	158	160

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

TOTAL LENGTH (R+L) / LUNGHEZZA TOTALE TESTA

Spindle / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO	
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8
T90-0.3 SLIMLINE mm	270	270	270	276	277	280	273	275
T90-0.4 mm	265	265	265	271	272	275	268	270
T90-0.5 mm	257	257	257	263	264	267	260	262
T90-1.5 mm	237	237	237	243	244	247	240	242