



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



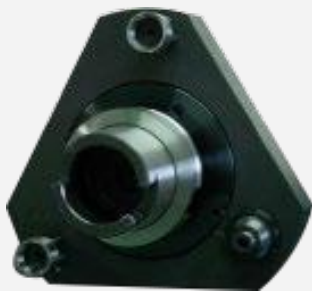
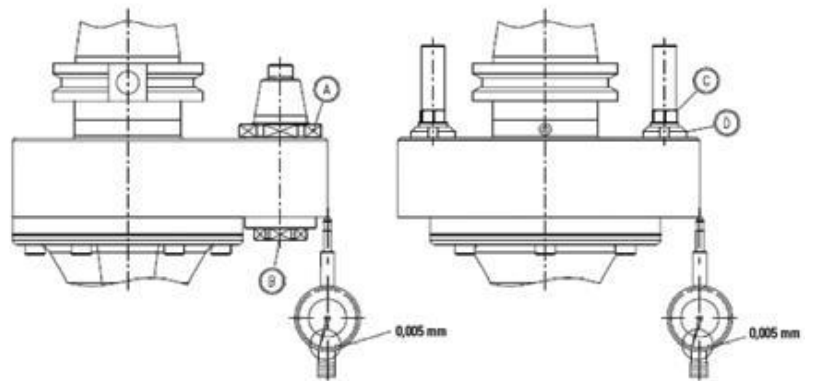
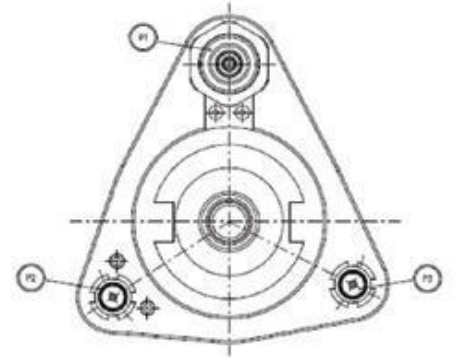
SUPPORTO 3 PUNTI

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.

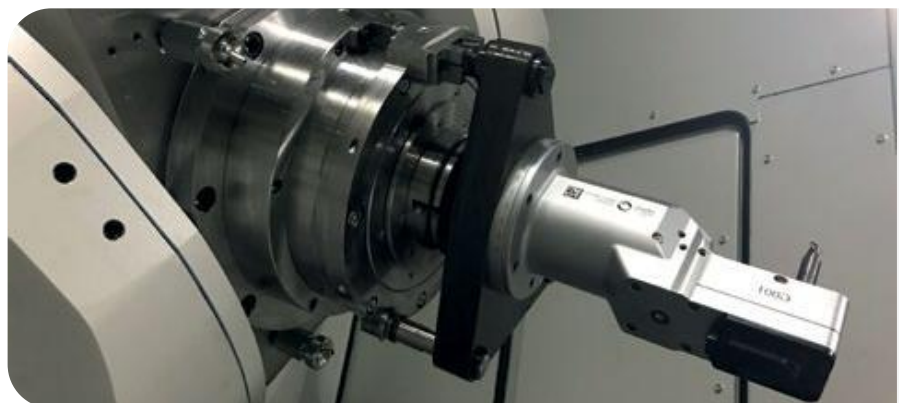
Ogni flangia con 3 punti di appoggio viene **realizzata ad hoc** in base al mandrino macchina pertanto non esiste uno standard. I punti di appoggio sono tutti regolabili e devono essere registrati durante la prima installazione.

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: 59518006

**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**

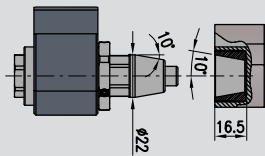
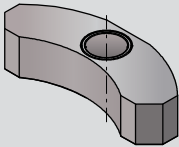
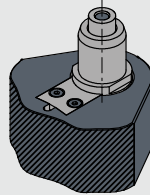
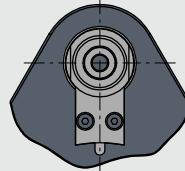
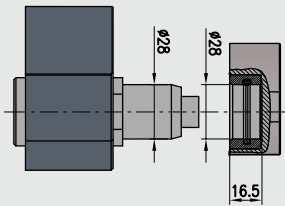
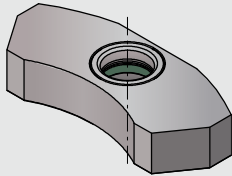
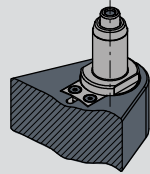
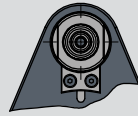
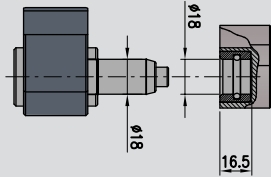
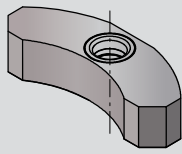
F

**Perno maschio speciale
Special male pin**

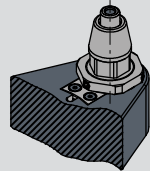
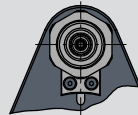
G

**Perno femmina speciale
Special female pin**

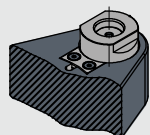
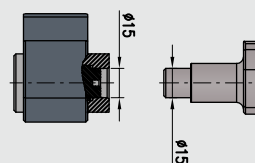
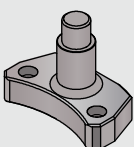
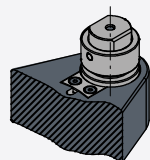
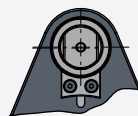
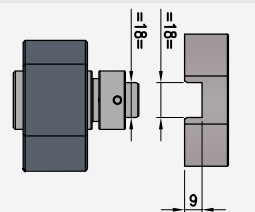
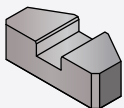
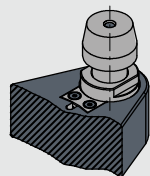
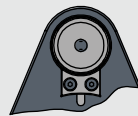
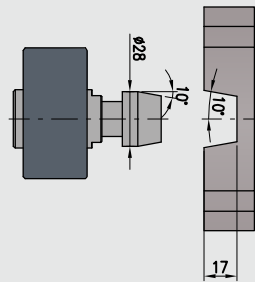
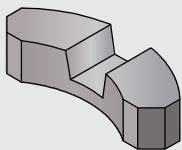
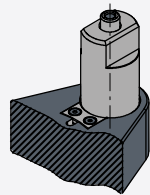
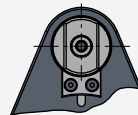
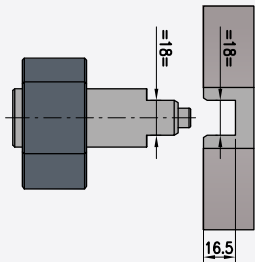
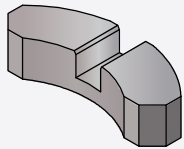
Stop block e perni di fornitura Alberti - Stop block and Pin manufactured by Alberti



*Perno regolabile
Adjustable pin*



Perno per stop block speciali già montati in macchina - Special Pin for pre mounted stop block



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



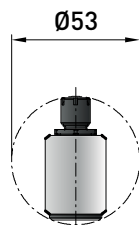
Torque
Momento torcente
4 Nm



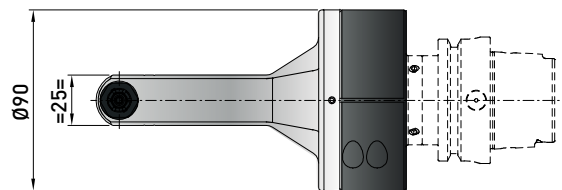
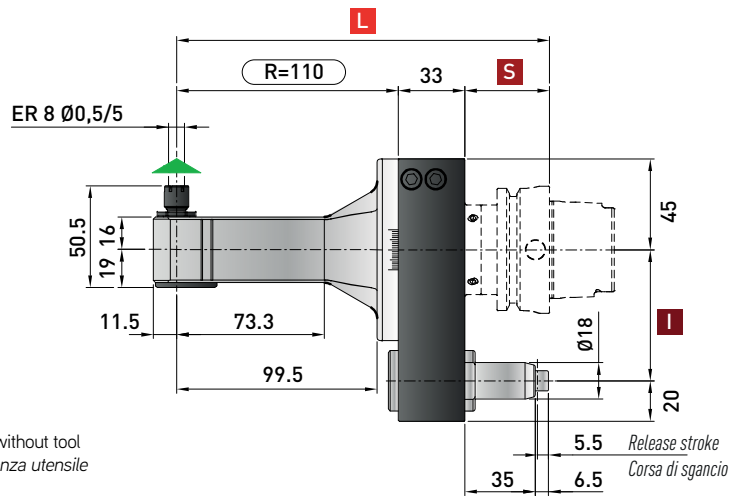
Weight
Peso
4 kg



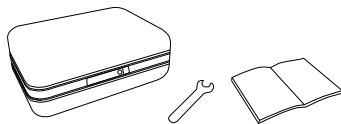
Collet
Pinza
ER-8 (ø 0,5/5 mm)



Minimum diameter without tool
Diametro minimo senza utensile



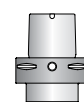
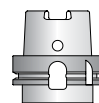
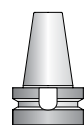
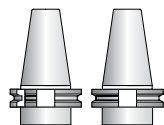
* STANDARD EQUIPMENT includes:



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



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



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

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

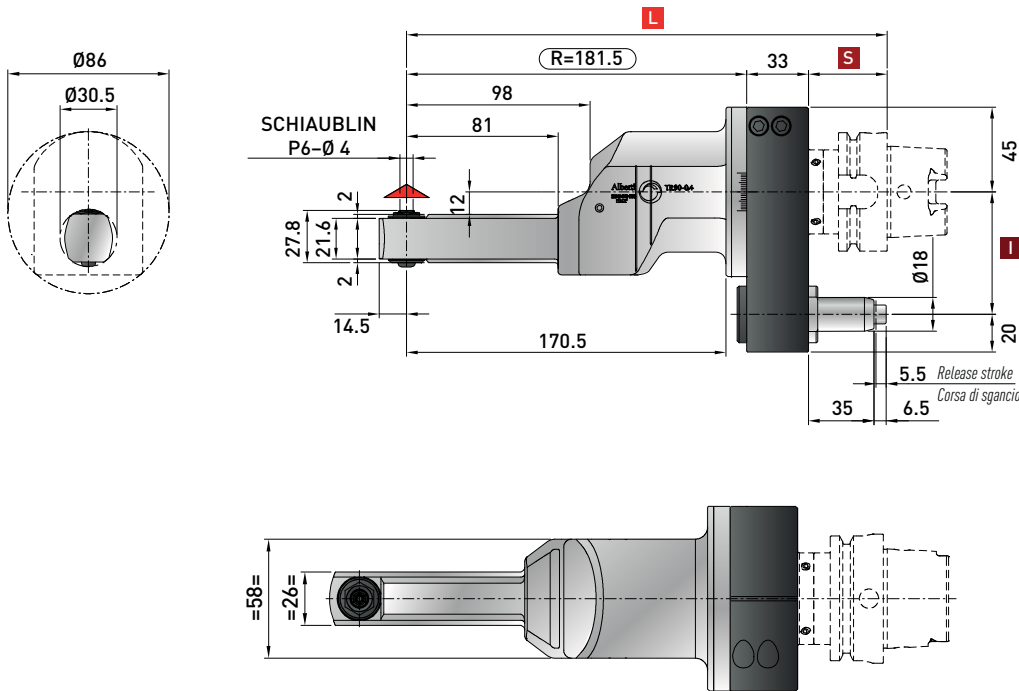


Ø mm max.
4-6

Weldon output
Weldon

TR90cn-0.4 Neo

ACTR904C



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

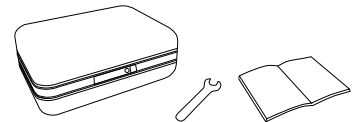
Caratteristiche tecniche

- Ratio**
Rapporto
1:2.5 SPEEDER
- RPM**
Velocità
8.000 min⁻¹ OUTPUT
- Max. axial load**
Max. carico assiale
135 N
- Torque**
Momento torcente
4 Nm
- Weight**
Peso
5 kg
- Collet**
Pinza
SCHIAUBLIN 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

Spindle / Cono	DIN 69871-CAT		MAS-BT		HSK		CAPTO	
	40-50	40-50	40	50	63-80	100	C5-C6	C8
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	249.5	249.5	249.5	255.5	256.5	259.5	252.5	254.5

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
10 Nm



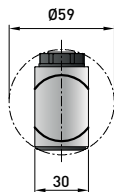
Weight
Peso
4 kg



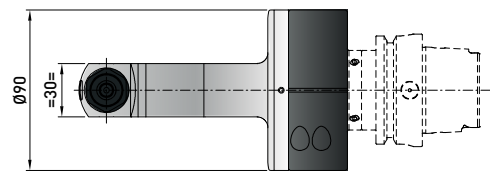
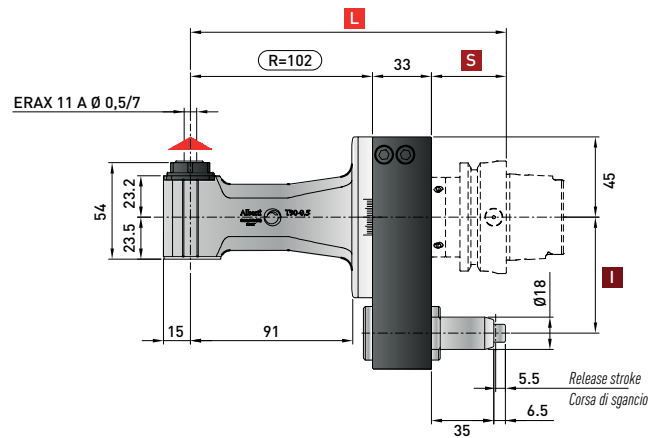
Tapping
Maschiatura
Max. M5



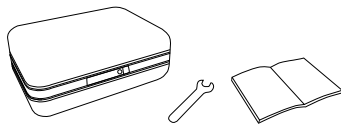
Collet
Pinza
ERAX-11 (ø 0,5/7 mm)



Minimum diameter without tool
Diametro minimo senza utensile



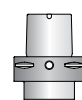
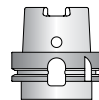
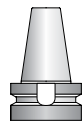
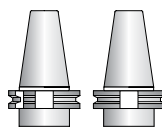
* STANDARD EQUIPMENT includes:



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



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



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

Weldon output
Weldon

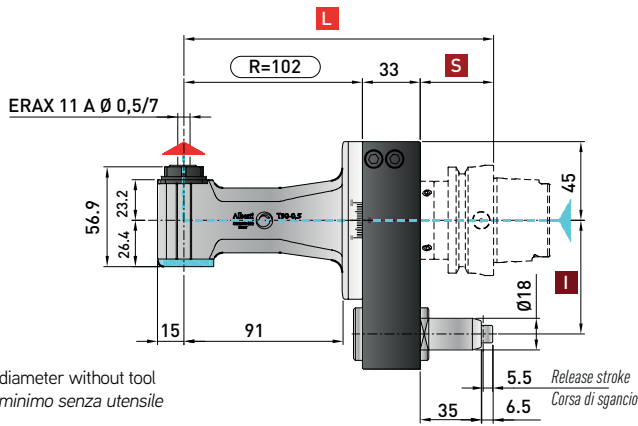
T90cn-0.5C Neo IC

ACT9005C.IC

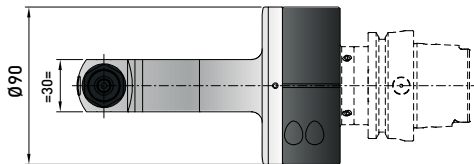
Technical data

Caratteristiche tecniche

- Ratio**
Rapporto
1:1
- RPM**
Velocità
10.000 min⁻¹
- DRY**
Running
8.000 min⁻¹
- Max. axial load**
Max. carico assiale
150 N
- Torque**
Momento torcente
10 Nm
- Weight**
Peso
4 kg
- Tapping**
Maschiatura
Max. M5
- Collet**
Pinza
ERAX-11 (ø 0,5/7 mm)

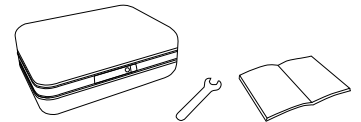


Minimum diameter without tool
Diametro minimo senza utensile



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

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



*** STANDARD EQUIPMENT**
includes:

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

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
10 Nm



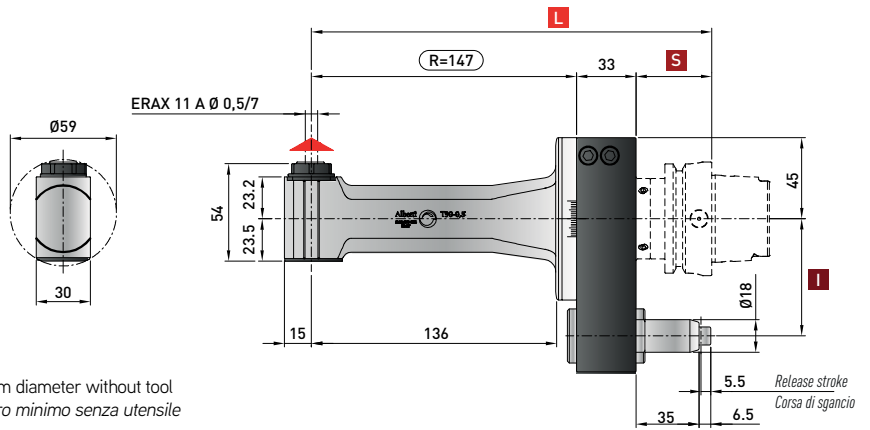
Weight
Peso
4.5 kg



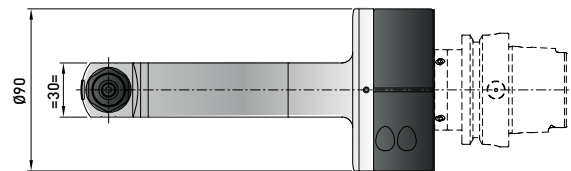
Tapping
Maschiatura
Max. M5



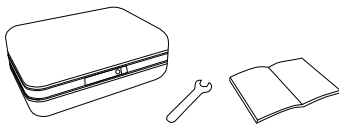
Collet
Pinza
ERAX-11 (ø 0,5/7 mm)



Minimum diameter without tool
Diametro minimo senza utensile



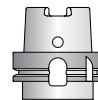
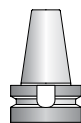
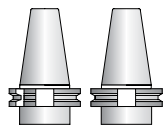
* STANDARD EQUIPMENT includes:



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



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



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








Weldon output
Weldon

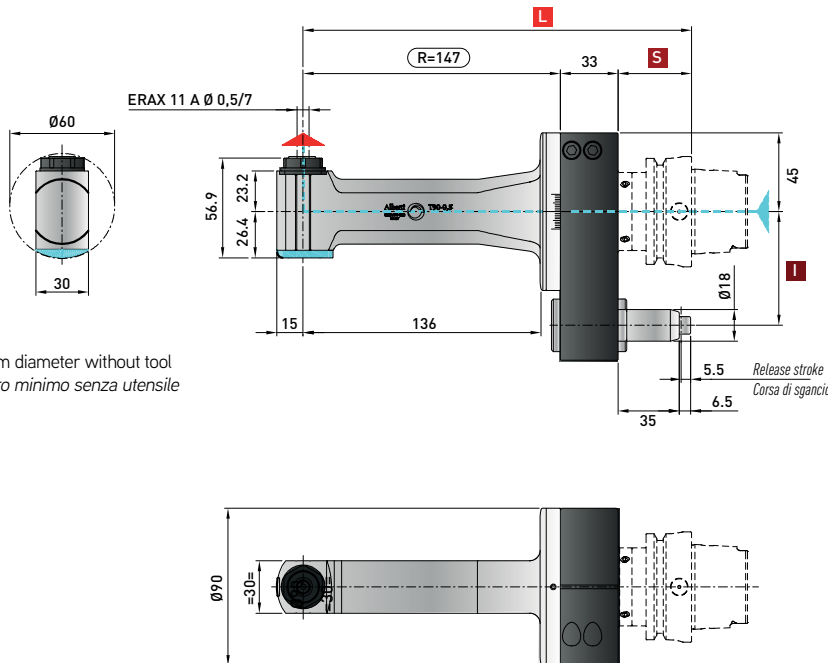
T90cn-0.5L Neo IC

ACT9005L.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
150 N
-  **Torque**
Momento torcente
10 Nm
-  **Weight**
Peso
4.5 kg
-  **Tapping**
Maschiatura
Max. M5
-  **Collet**
Pinza
ERAX-11 (ø 0,5/7 mm)



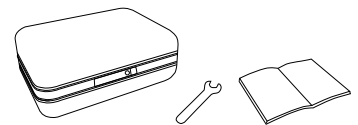
Minimum diameter without tool
Diametro minimo senza utensile



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

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

*** STANDARD EQUIPMENT includes:**



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm max.
6

Welding output
Weldon

TR90cn-0.5 Neo

ACTR905C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:2 SPEEDER



RPM
Velocità
8.000 min⁻¹ OUTPUT



Max. axial load
Max. carico assiale
200 N



Torque
Momento torcente
10 Nm



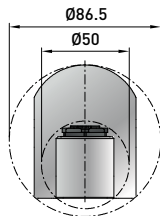
Weight
Peso
5.6 kg



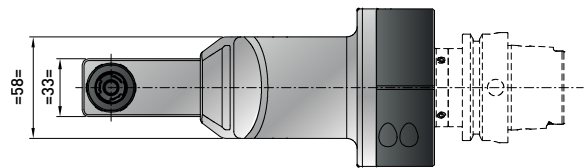
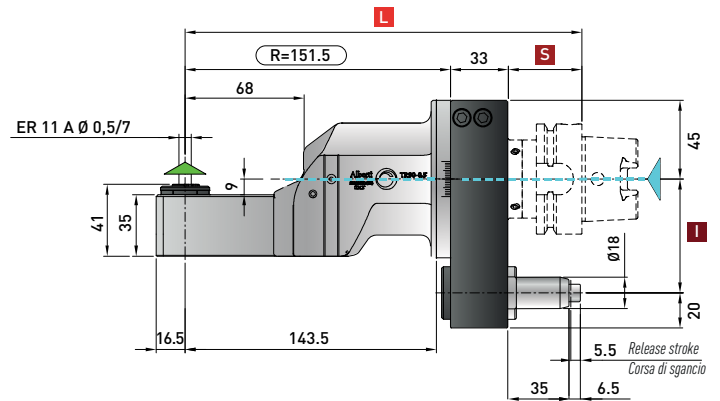
Tapping
Maschiatura
Max. M5



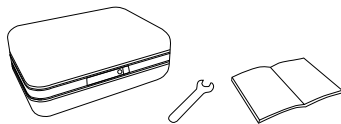
Collet
Pinza
ERAX-11 (ø 0,5/7 mm)



Minimum diameter without tool
Diametro minimo senza utensile



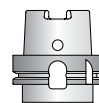
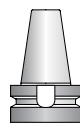
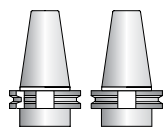
* STANDARD EQUIPMENT includes:



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



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



Spindle / Cono	DIN69871-CAT		MAS-BT		HSK		CAPTO	
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	219.5	219.5	219.5	225.5	226.5	229.5	222.5	224.5

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

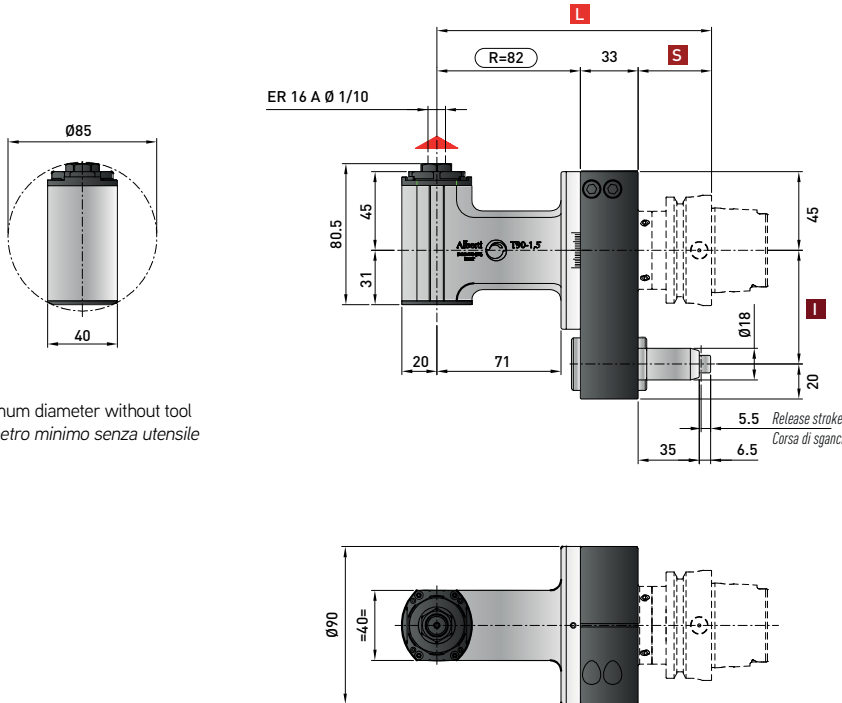
T90cn-1.5C Neo

ACT9015C

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)



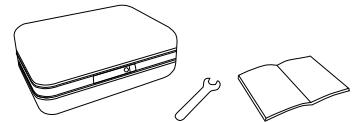
Minimum diameter without tool
Diametro minimo senza utensile



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

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

*** STANDARD EQUIPMENT includes:**



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

Welding output
Welding



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



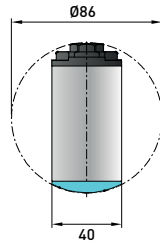
Weight
Peso
4.3 kg



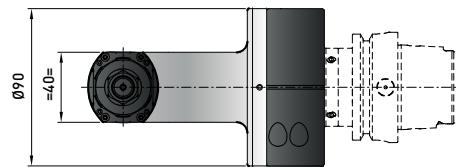
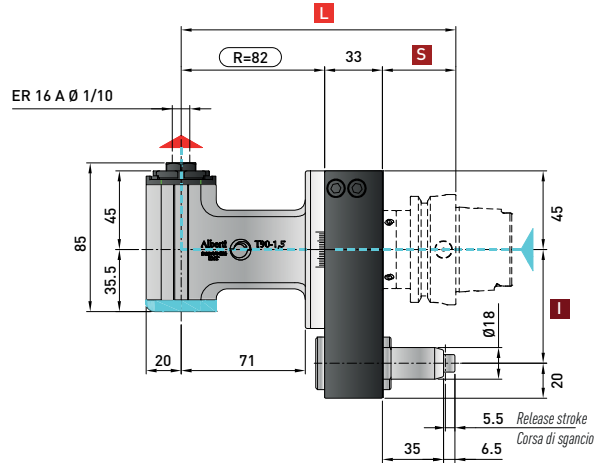
Tapping
Maschiatura
Max. M6



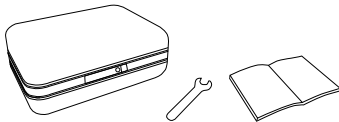
Collet
Pinza
ER-16A (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



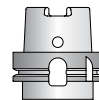
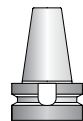
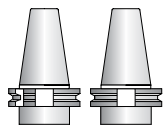
* STANDARD EQUIPMENT includes:



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



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



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

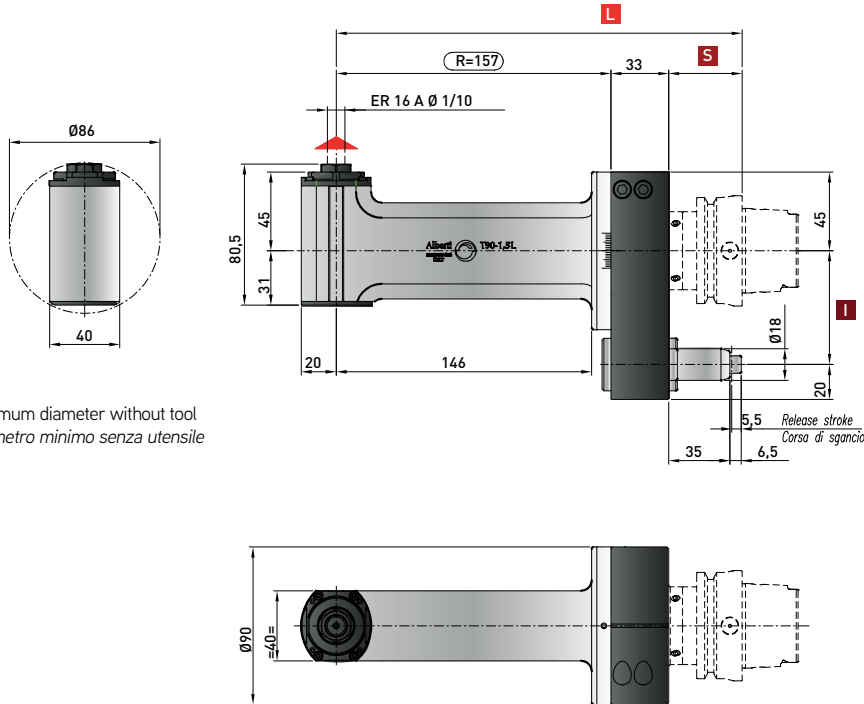
T90cn-1.5L Neo

ACT9015L

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)



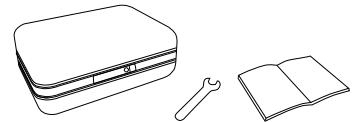
Minimum diameter without tool
Diametro minimo senza utensile



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

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

*** STANDARD EQUIPMENT includes:**



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



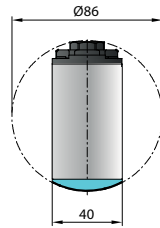
Weight
Peso
5.2 kg



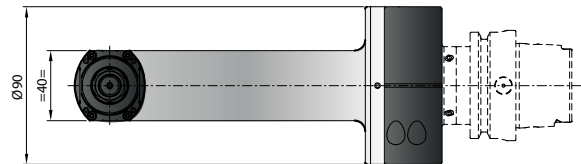
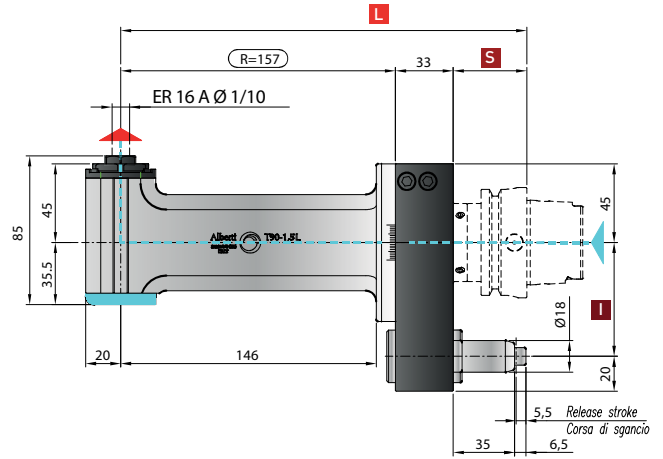
Tapping
Maschiatura
Max. M6



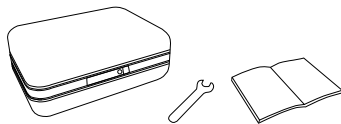
Collet
Pinza
ER-16A (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



* STANDARD EQUIPMENT includes:

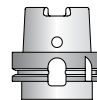
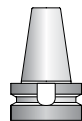
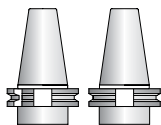


Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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



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

ACT9015D

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
450 N



Torque
Momento torcente
25 Nm



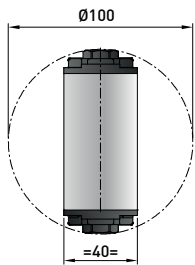
Weight
Peso
4.5 kg



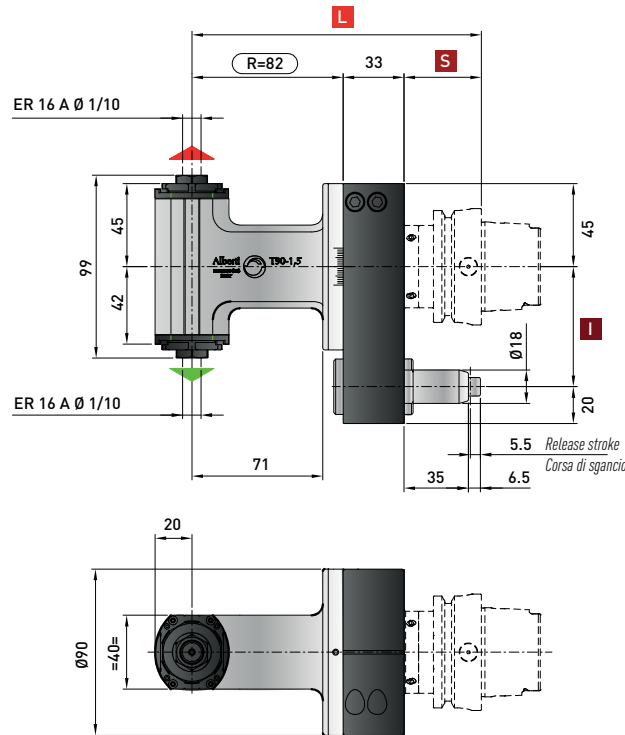
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (ø 1/10 mm)
ER-16A (ø 1/10 mm)



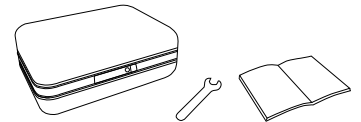
Minimum diameter without tool
Diametro minimo senza utensile



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

*** STANDARD EQUIPMENT includes:**



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

TR90cn-1.5 Neo

ACTR915C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1.3:1 SPEEDER



RPM
Velocità
8.000 min⁻¹ OUTPUT



Max. axial load
Max. carico assiale
450 N



Torque
Momento torcente
15 Nm



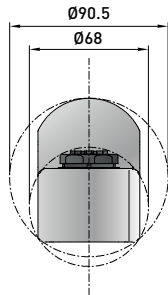
Weight
Peso
7 kg



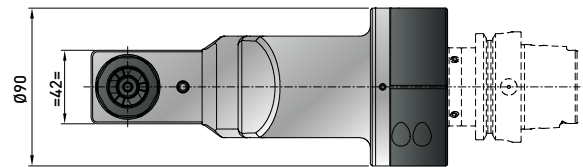
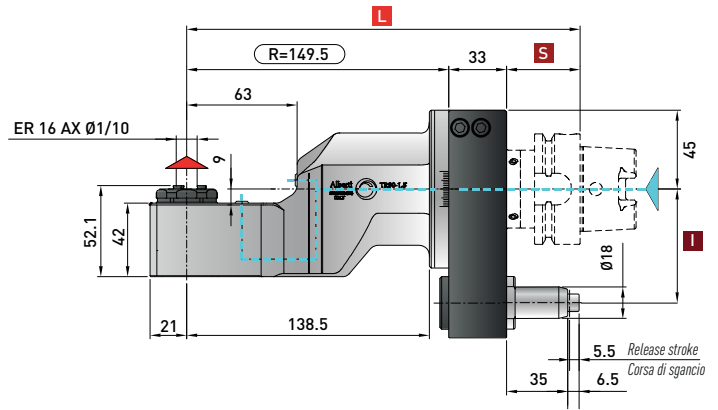
Tapping
Maschiatura
Max. M6



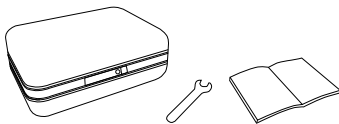
Collet
Pinza
ERAX-16 (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



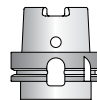
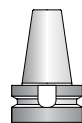
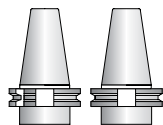
* STANDARD EQUIPMENT includes:



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



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



Spindle / Cono	DIN 69871-CAT		MAS-BT		HSK		CAPTO	
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	217.5	217.5	217.5	223.5	224.5	227.5	220.5	222.5

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

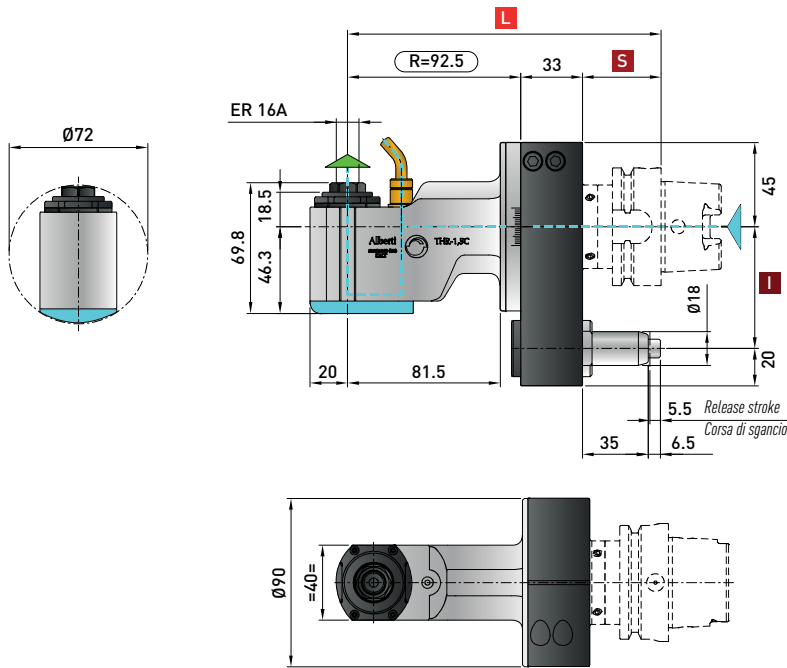
THRcn-1.5 Neo IC

ACTHR915C.IC

Technical data

Caratteristiche tecniche

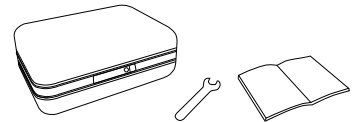
- Ratio**
Rapporto
1:1
- RPM**
Velocità
10.000 min⁻¹
- DRY**
Running
8.000 min⁻¹
- Max. axial load**
Max. carico assiale
250 N
- Torque**
Momento torcente
15 Nm
- Weight**
Peso
4.2 kg
- Tapping**
Maschiatura
Max. M6
- Collet**
Pinza
ER-16A (ø 1/10 mm)



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

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

*** STANDARD EQUIPMENT includes:**



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

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

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
250 N



Torque
Momento torcente
12 Nm



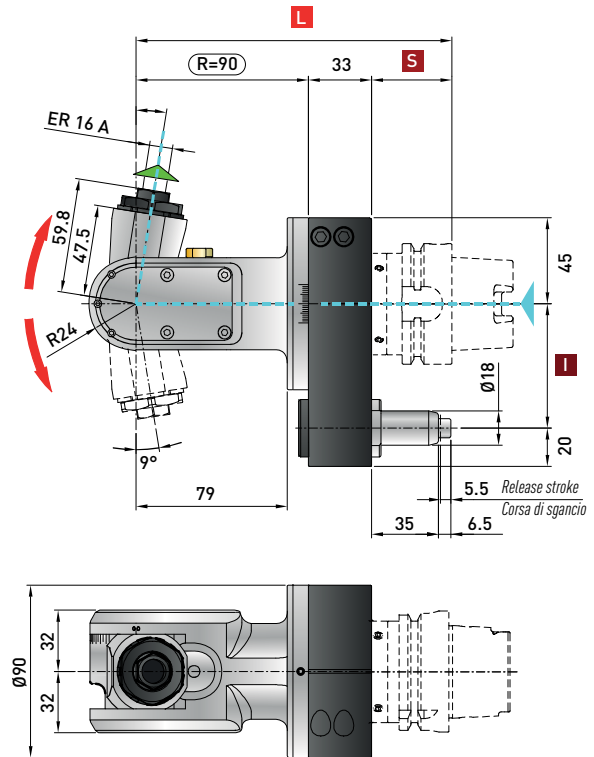
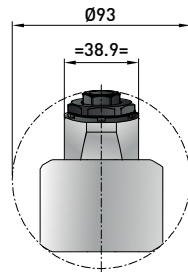
Weight
Peso
4.5 kg



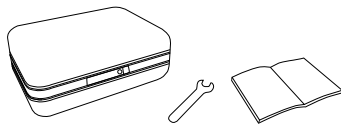
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (ø 1/10 mm)



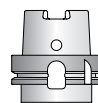
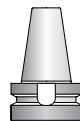
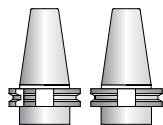
* STANDARD EQUIPMENT includes:



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



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



Spindle / Cono	DIN 69871-CAT		MAS-BT		HSK		CAPTO	
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	158	158	158	164	165	168	161	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



+/- 95°

Angle
Angolo



every
5°

Fixed positioning
Posizionamento fisso

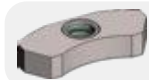
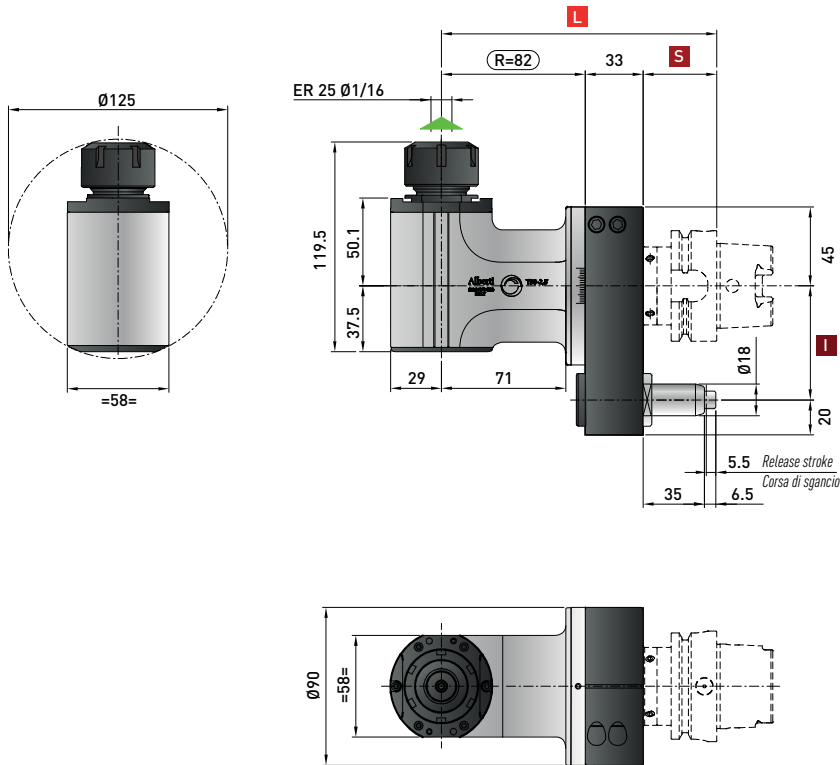
T90cn-2.5C Neo

ACT9025C


Technical data

Caratteristiche tecniche

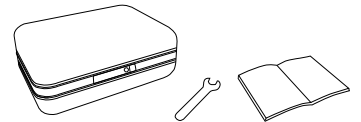
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
6.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
510 N
-  **Torque**
Momento torcente
50 Nm
-  **Weight**
Peso
5.4 kg
-  **Tapping**
Maschiatura
Max. M12
-  **Collet**
Pinza
ER-25 (ø 1/16 mm)



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

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

*** STANDARD EQUIPMENT includes:**








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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

					
bar max 12	ER 32	Ø mm 16	Ø mm max. 16	HSK-32 Smart Change	ER 25/ER 16
Coolant through pin Refrigerante attraverso il perno	Collet Pinza	Arbor output Porta fresa	Weldon output Weldon	Quick Change Attacco rapido	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



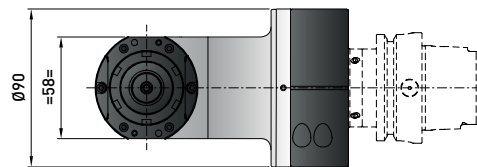
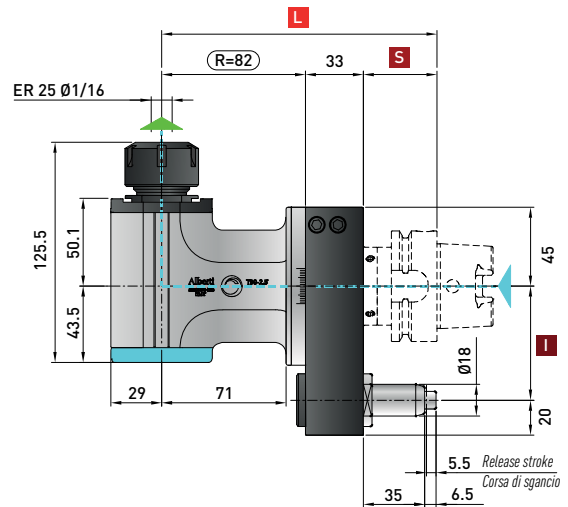
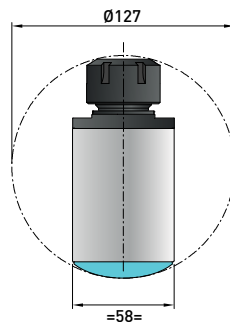
Weight
Peso
5.4 kg



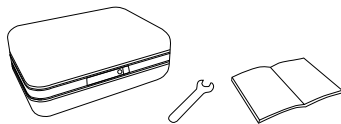
Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (ø 1/16 mm)



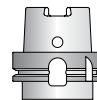
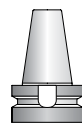
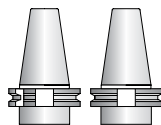
* STANDARD EQUIPMENT includes:



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



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



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

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

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



ER 32

Collet
Pinza



Ø mm max.
16

Weldo output
Weldon



HSK-32
Smart Change

Quick Change
Attacco rapido

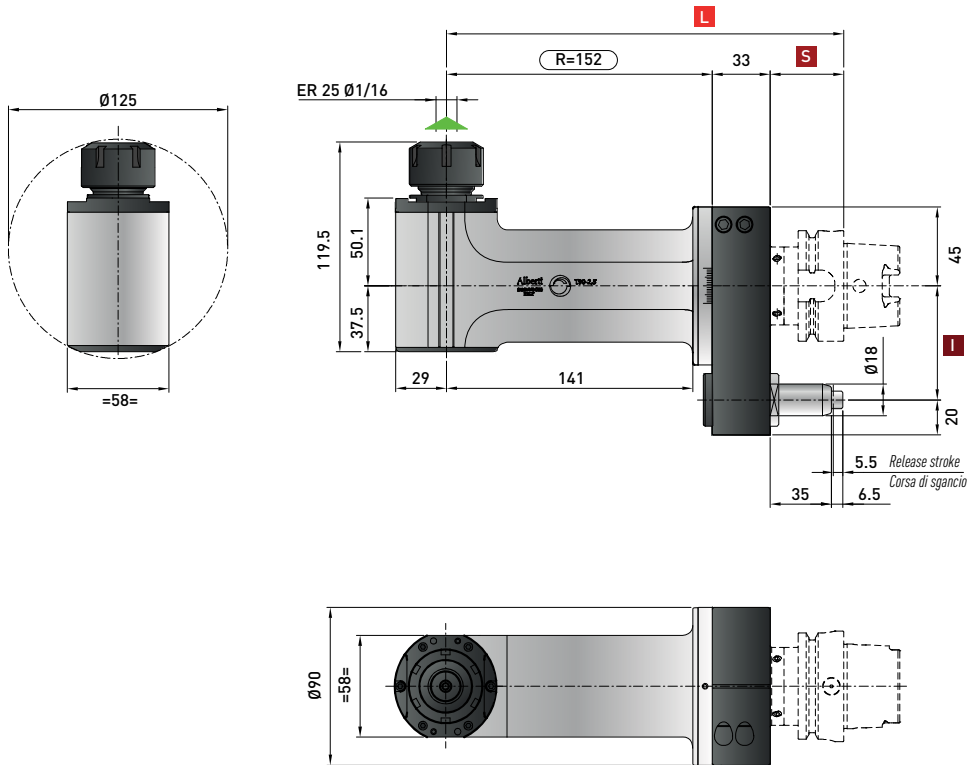
T90cn-2.5L Neo

ACT9025L

Technical data

Caratteristiche tecniche

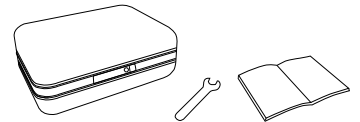
- Ratio**
Rapporto
1:1
- RPM**
Velocità
6.000 min⁻¹
- Max. axial load**
Max. carico assiale
510 N
- Torque**
Momento torcente
50 Nm
- Weight**
Peso
6.7 kg
- Tapping**
Maschiatura
Max. M12
- Collet**
Pinza
ER-25 (ø 1/16 mm)



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

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

*** STANDARD EQUIPMENT includes:**



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione

bar max 12	ER 32	Ø mm 16	Ø mm max. 16	HSK-32 Smart Change	ER 25/ER 16
Coolant through pin Refrigerante attraverso il perno	Collet Pinza	Arbor output Porta fresa	Weldon output Weldon	Quick Change Attacco rapido	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



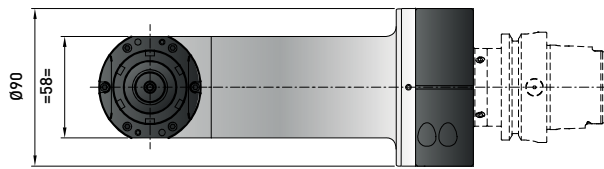
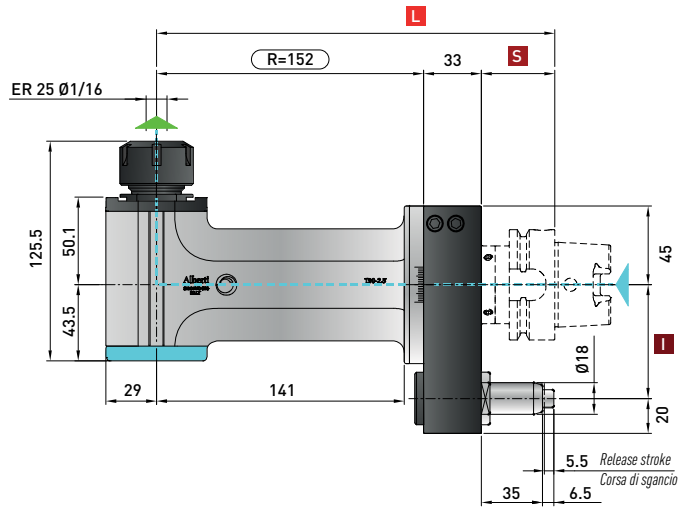
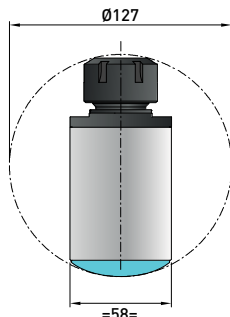
Weight
Peso
6.7 kg



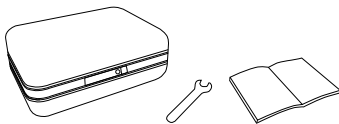
Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (ø 1/16 mm)



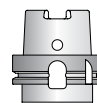
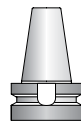
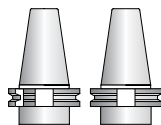
* STANDARD EQUIPMENT includes:



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



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



ER 32

Collet
Pinza



Ø mm max.
16

Weldon output
Weldon



HSK-32
Smart Change

Quick Change
Attacco rapido

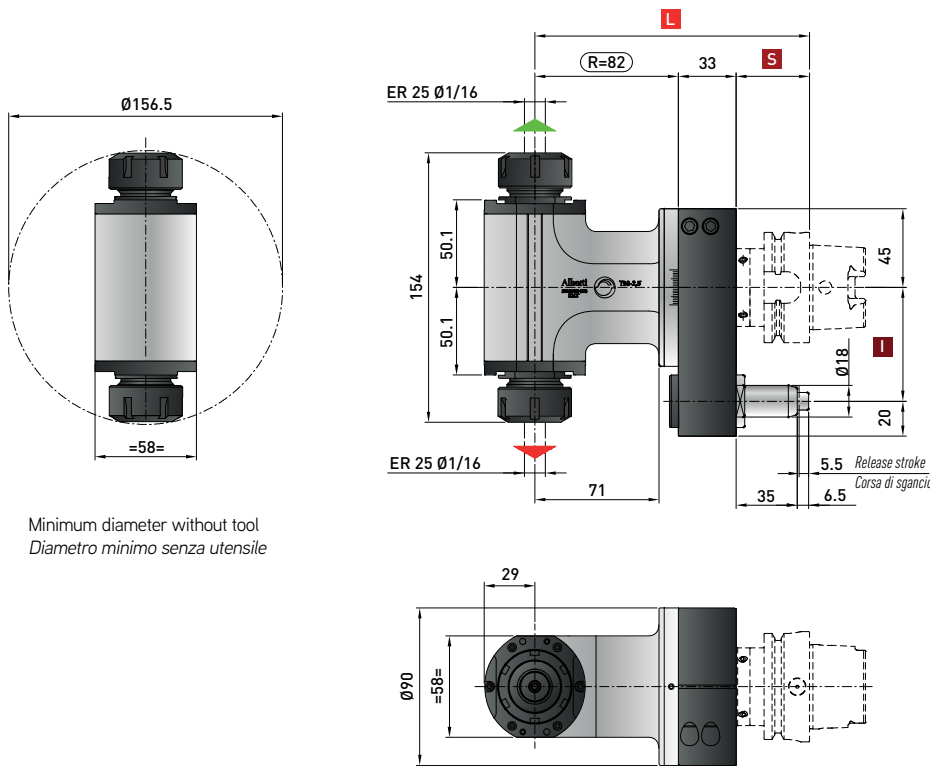
T90cn-2.5 2U Neo

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
- Tapping**
Maschiatura
Max. M12
- Collet**
Pinza
ER-25 (ø 1/16 mm)
ER-25 (ø 1/16 mm)



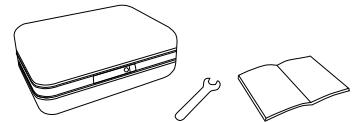
Minimum diameter without tool
Diametro minimo senza utensile



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

*** STANDARD EQUIPMENT includes:**



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

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

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



ER 32

Collet
Pinza



Ø mm max.
16

Weldon output
Weldon



bar max
12

Coolant through pin
Refrigerante attraverso il perno

TR90cn-2.5 Neo

ACTR925C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



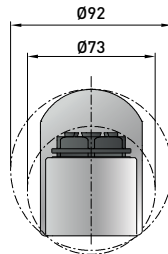
Weight
Peso
6.5 kg



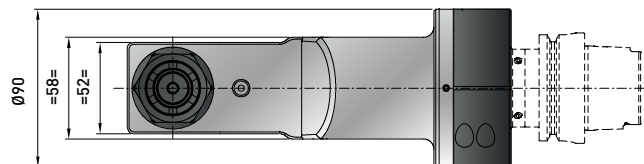
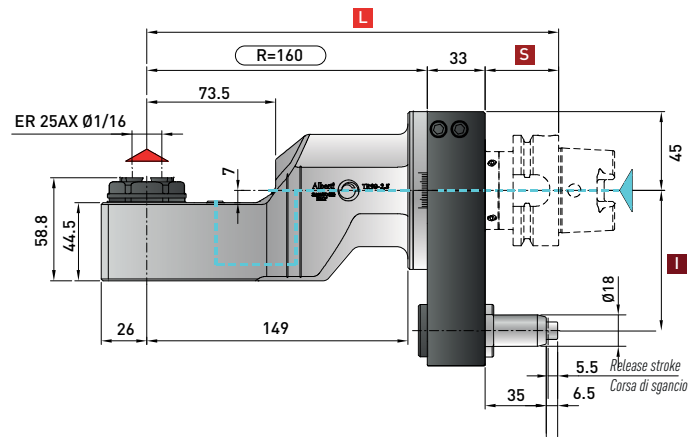
Tapping
Maschiatura
Max. M12



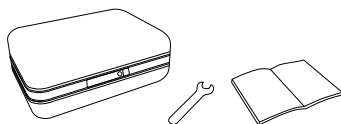
Collet
Pinza
ERAX-25 (Ø 1-16 mm)



Minimum diameter without tool
Diametro minimo senza utensile



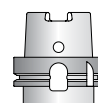
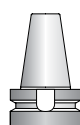
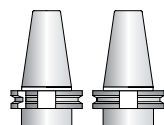
*** STANDARD EQUIPMENT includes:**



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



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



Spindle / Cono	DIN 69871-CAT		MAS-BT		HSK		CAPTO	
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80 -(110*)	80-(110*)	65-80 -(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	228	228	228	234	235	238	231	233

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

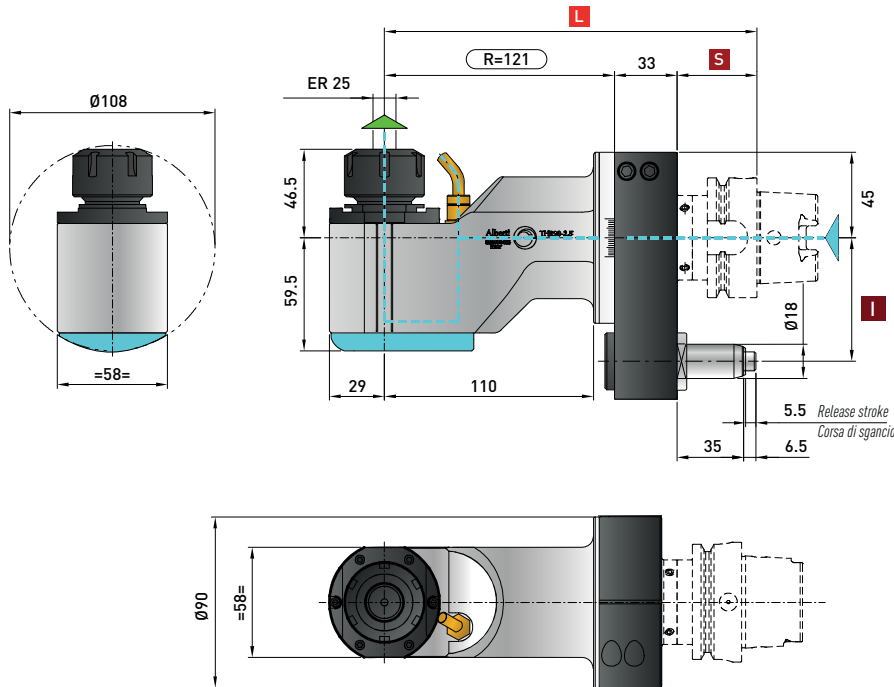
THRcn-2.5 Neo IC

ACTHR925C.IC

Technical data

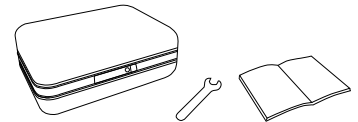
Caratteristiche tecniche

- 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
30 Nm
- Weight**
Peso
6.5 kg
- Tapping**
Maschiatura
Max. M12
- Collet**
Pinza
ER-25 (ø 1/16 mm)



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

*** STANDARD EQUIPMENT includes:**



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

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

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



ER 32

Collet
Pinza



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido

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
25 Nm



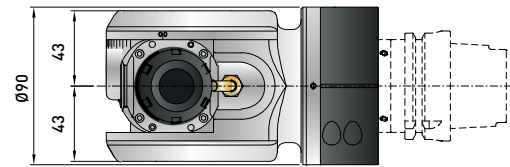
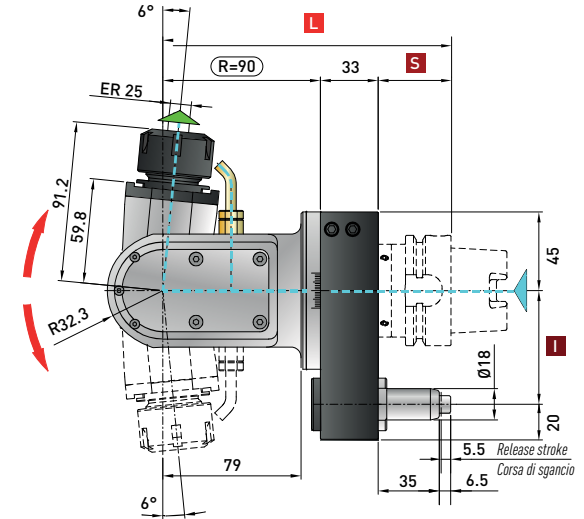
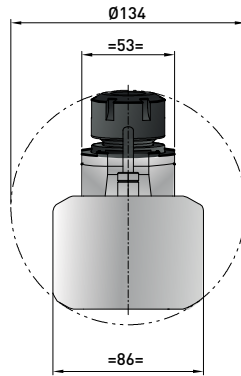
Weight
Peso
7 kg



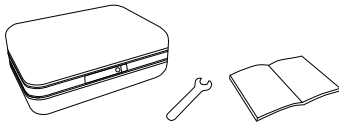
Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (ø 1/16 mm)



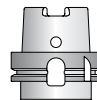
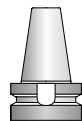
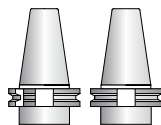
*** STANDARD EQUIPMENT includes:**



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



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



Spindle / Cono	DIN 69871-CAT		MAS-BT		HSK		CAPTO	
Size / Grandezza	40-50	40-50	40	50	63-80	100	C5-C6	C8
I	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)	65-80-(110*)	80-(110*)
S	35	35	35	41	42	45	38	40
L	158	158	158	164	165	168	161	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



+/- 95°

Angle
Angolo



every
5°

Fixed positioning
Posizionamento fisso

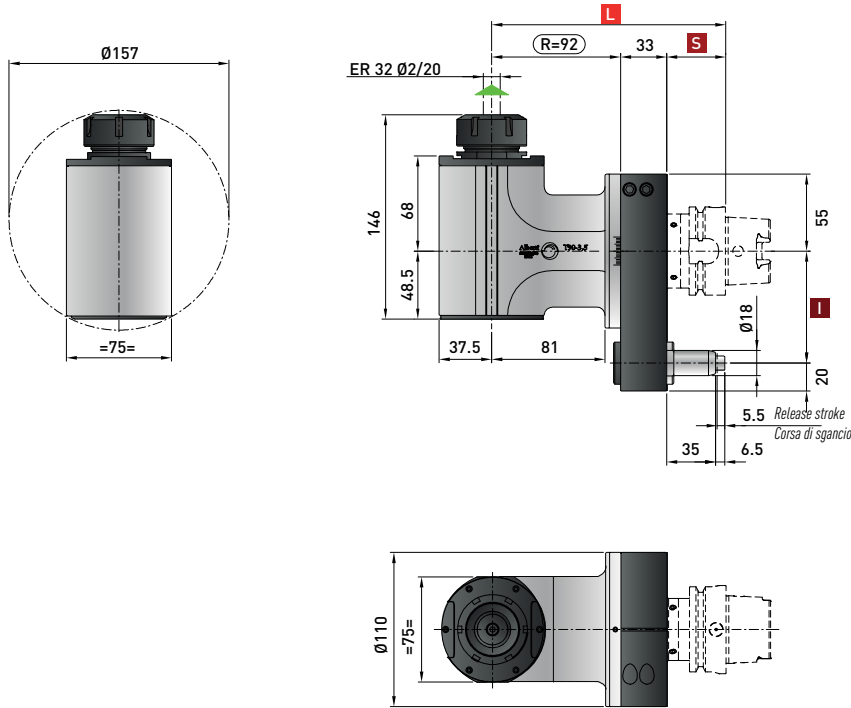
T90cn-3.5C Neo

ACT9035C

Technical data

Caratteristiche tecniche

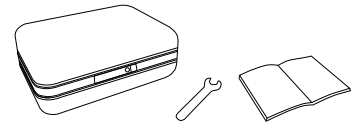
- Ratio**
Rapporto
1:1
- RPM**
Velocità
5.000 min⁻¹
- Max. axial load**
Max. carico assiale
1.250 N
- Torque**
Momento torcente
70 Nm
- Weight**
Peso
11 kg
- Tapping**
Maschiatura
Max. M16
- Collet**
Pinza
ER-32 (ø 2/20 mm)



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

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

*** 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	160		166	167	170	163	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
22-27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido
Smart Change



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
8.000 min⁻¹

DRY
Running
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



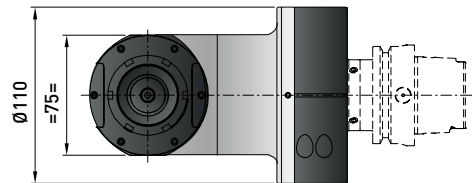
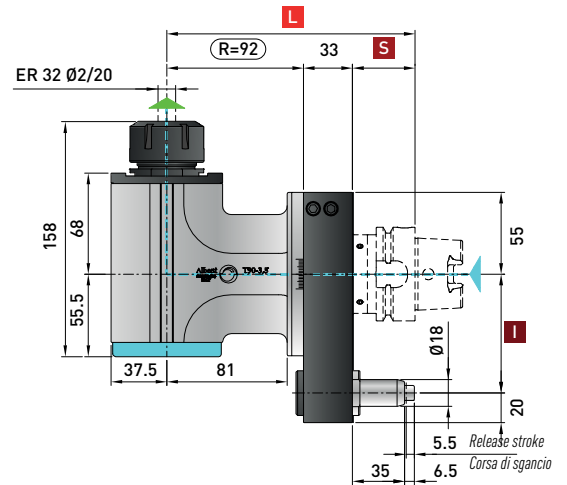
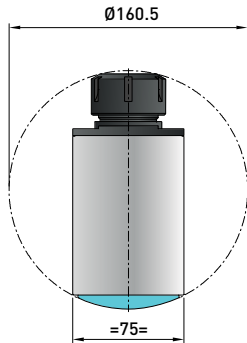
Weight
Peso
11 kg



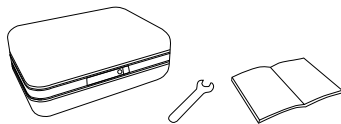
Tapping
Maschiatura
Max. M16



Collet
Pinza
ER-32 (ø 2/20 mm)



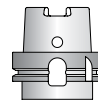
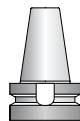
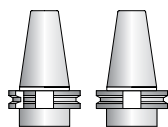
* STANDARD EQUIPMENT includes:



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



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



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	160	166	167	170	163	165

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

Option / Opzione



Ø mm
22-27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido
Smart Change

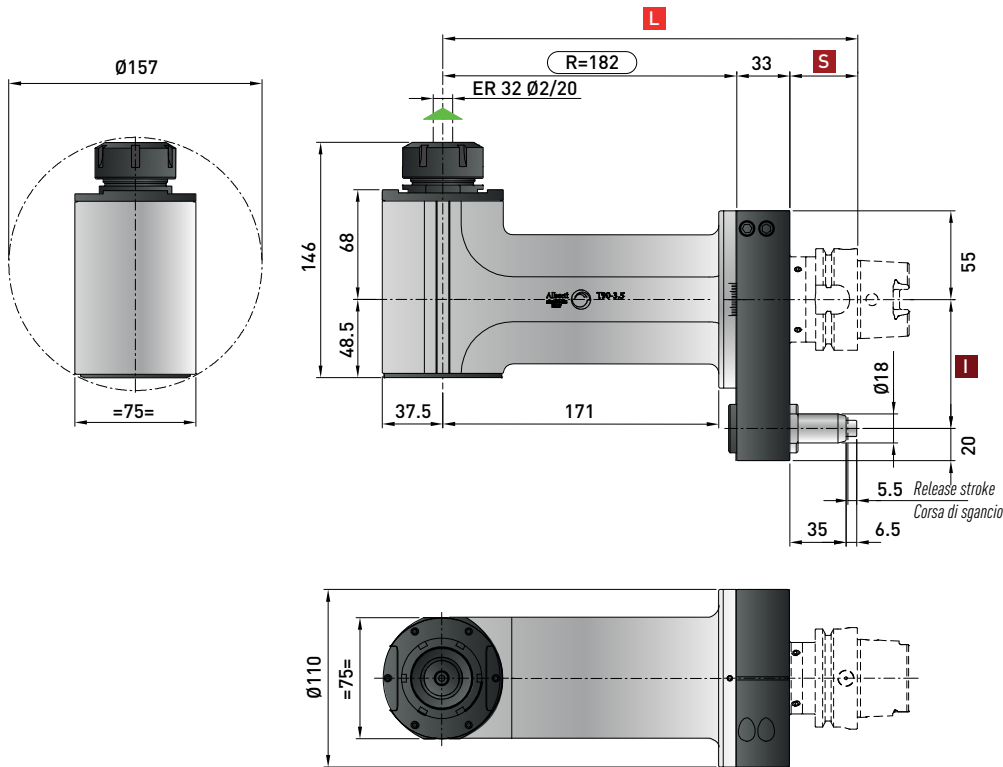
T90cn-3.5L Neo

ACT9035L

Technical data

Caratteristiche tecniche

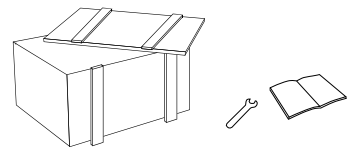
- Ratio**
Rapporto
1:1
- RPM**
Velocità
5.000 min⁻¹
- Max. axial load**
Max. carico assiale
1.250 N
- Torque**
Momento torcente
70 Nm
- Weight**
Peso
13.2 kg
- Tapping**
Maschiatura
Max. M16
- Collet**
Pinza
ER-32 (ø 2/20 mm)



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

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

*** 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	250		256	257	260	253	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
22-27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido
Smart Change



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



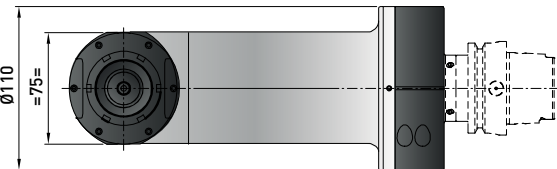
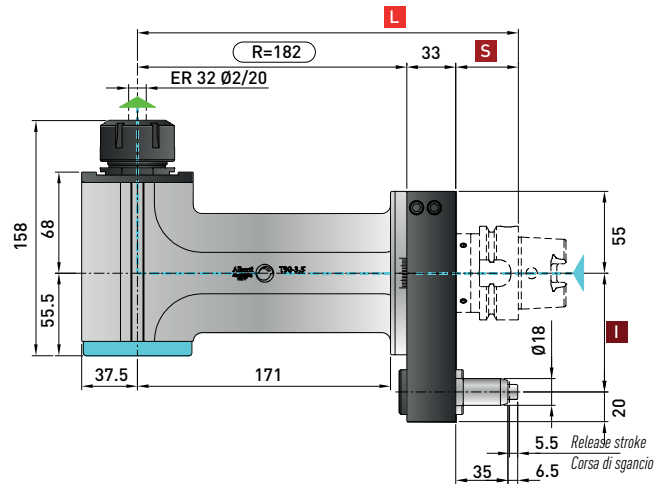
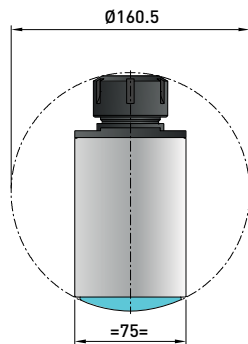
Weight
Peso
13.2 kg



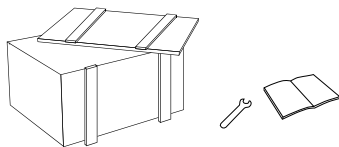
Tapping
Maschiatura
Max. M16



Collet
Pinza
ER-32 (ø 2/20 mm)



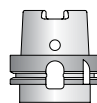
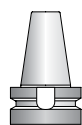
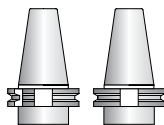
* STANDARD EQUIPMENT includes:



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



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



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	250	256	257	260	253	255

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

Option / Opzione



Ø mm
22-27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido
Smart Change

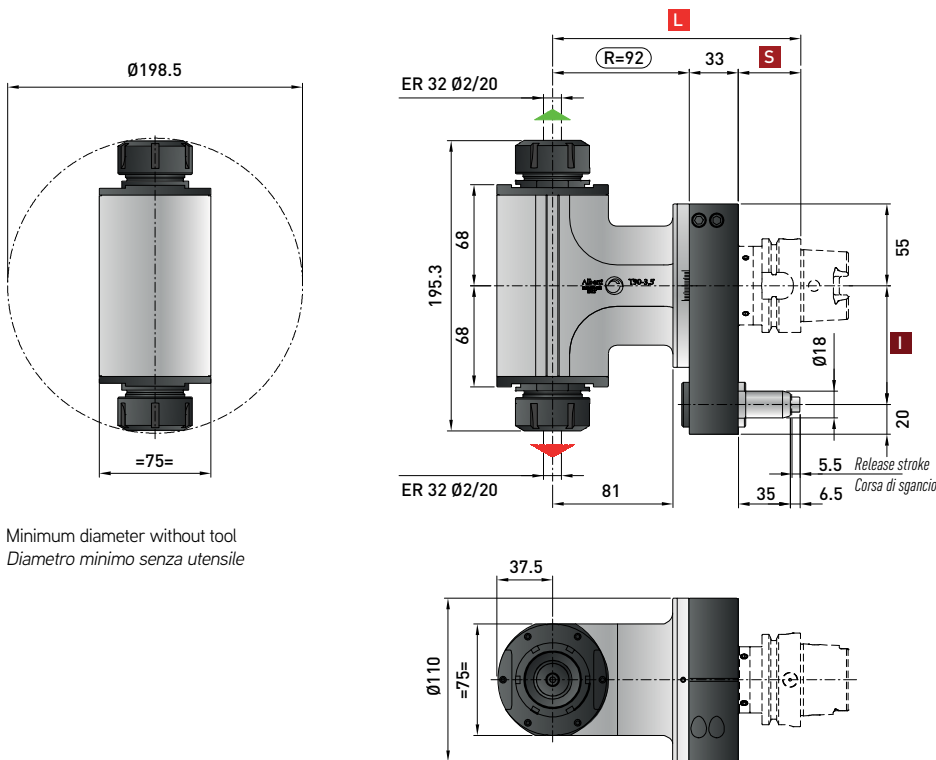
T90cn-3.5 2U Neo

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
-  **Tapping**
Maschiatura
Max. M16
-  **Collet**
Pinza
ER-32 (ø 2/20 mm)
ER-32 (ø 2/20 mm)



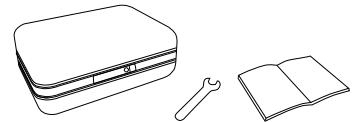
Minimum diameter without tool
Diametro minimo senza utensile



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

*** 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	160		166	167	170	163	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
22-27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido
Smart Change

TR90cn-3.5 Neo

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
70 Nm



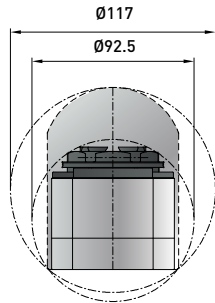
Weight
Peso
10 kg



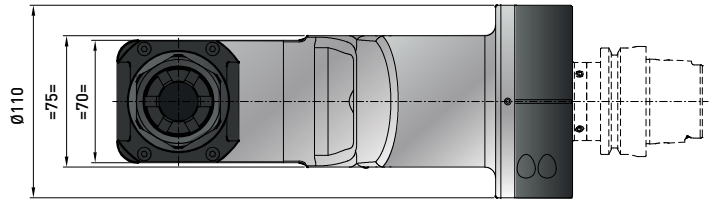
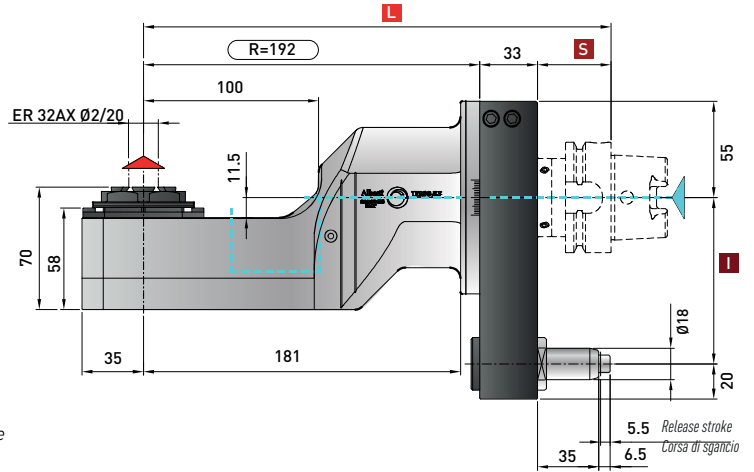
Tapping
Maschiatura
Max. M16



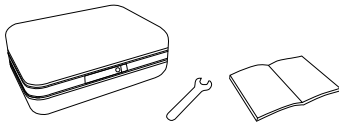
Collet
Pinza
ER-32 (ø 2-20 mm)



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
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
Dry rotation is possible / rotazione a secco possibile

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	260	266	267	270	263	265

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

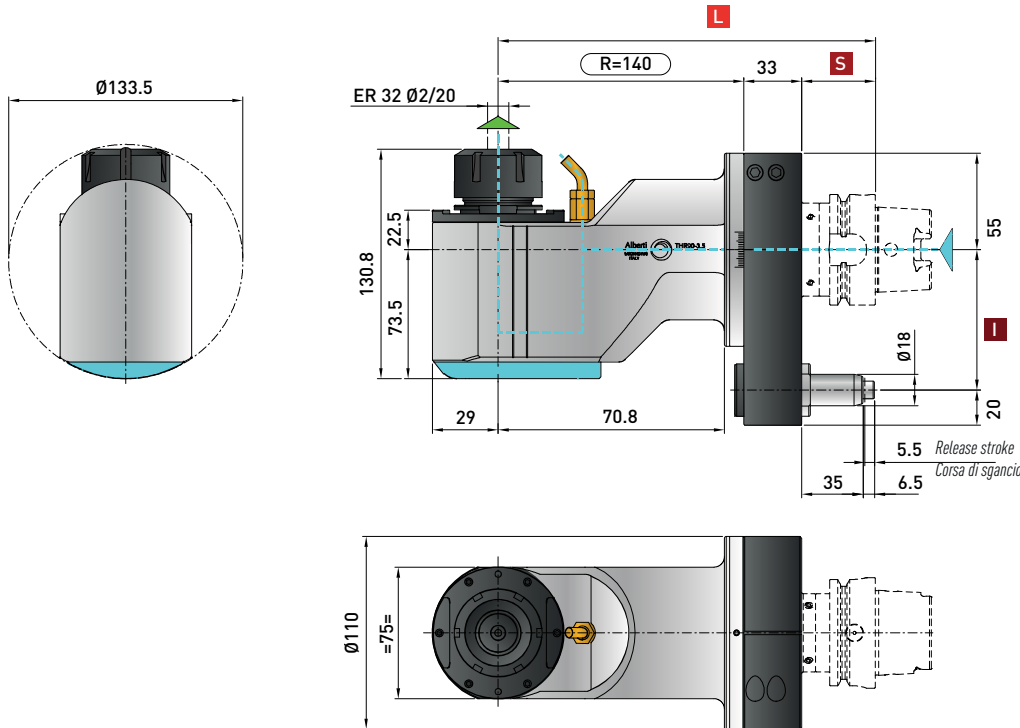
THRcn-3.5 Neo IC

ACTHR935C.IC



Technical data

Caratteristiche tecniche

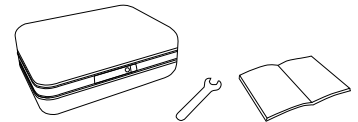
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
8.000 min⁻¹ | **DRY**
Running
5.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
1250 N
-  **Torque**
Momento torcente
70 Nm
-  **Weight**
Peso
11.5 kg
-  **Tapping**
Maschiatura
Max. M16
-  **Collet**
Pinza
ER-32 (ø 2/20 mm)



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

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

*** 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	208		214	215	218	211	213

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
22-27

Arbor output
Porta fresa



Ø mm max.
20

Welded output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido
Smart Change

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
700 N



Torque
Momento torcente
50 Nm



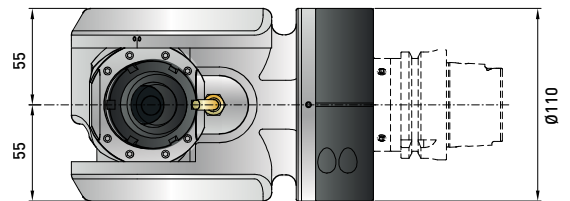
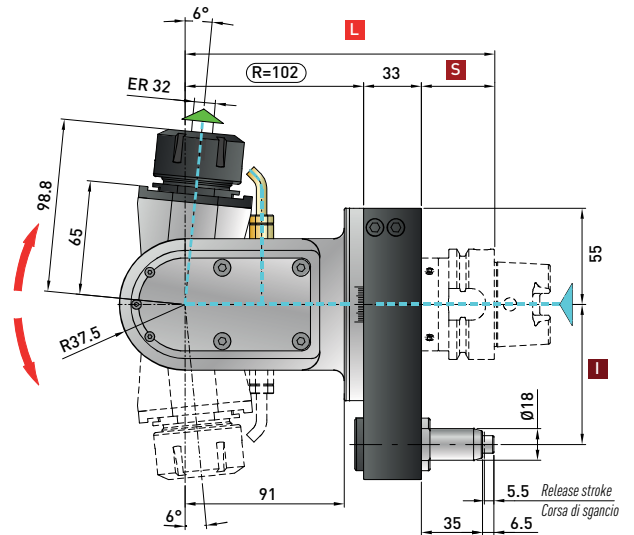
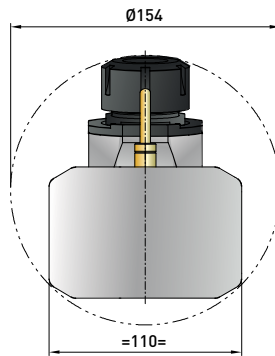
Weight
Peso
13 kg



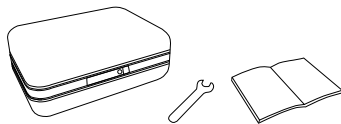
Tapping
Maschiatura
Max. M16



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
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
- Dry rotation is possible / rotazione a secco possibile

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	170	176	177	180	173	175

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Smart Change

Quick change
Attacco rapido



+/- 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 pre-settati 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.

PRESETTAGGIO fuori macchina.

Outside presetting

Una volta montato l'utensile è possibile **pre-settare 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.**

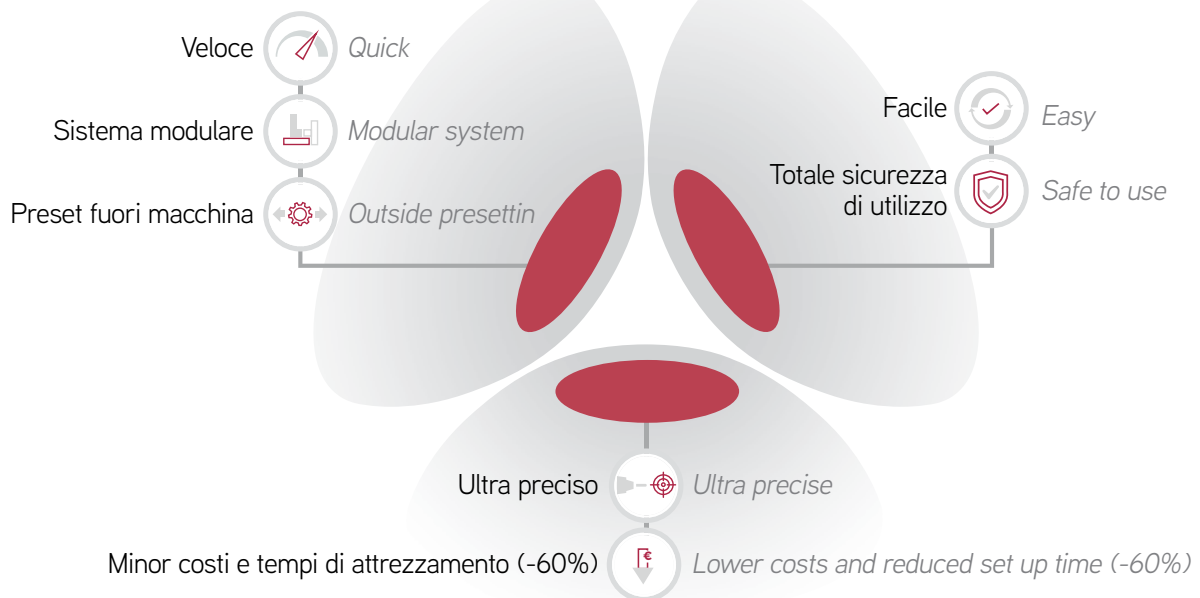
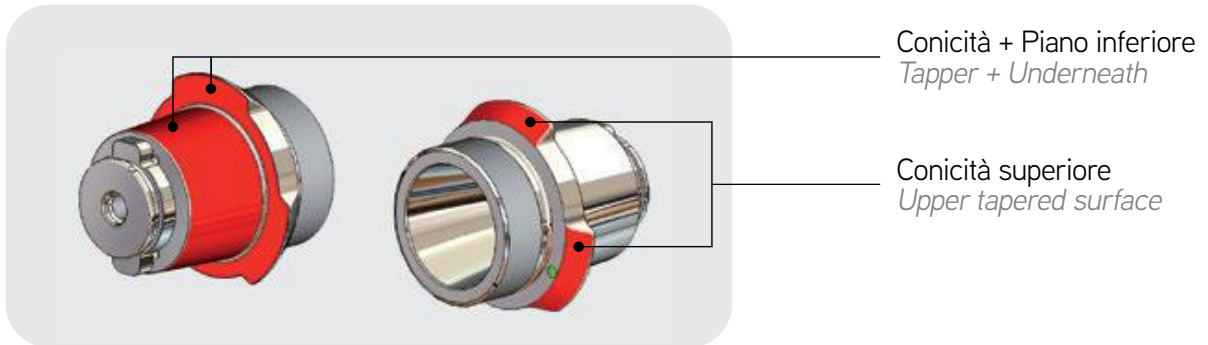
*This system allows to **reduce time and costs** for the set up with **tremendous increase in the productivity.***

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.



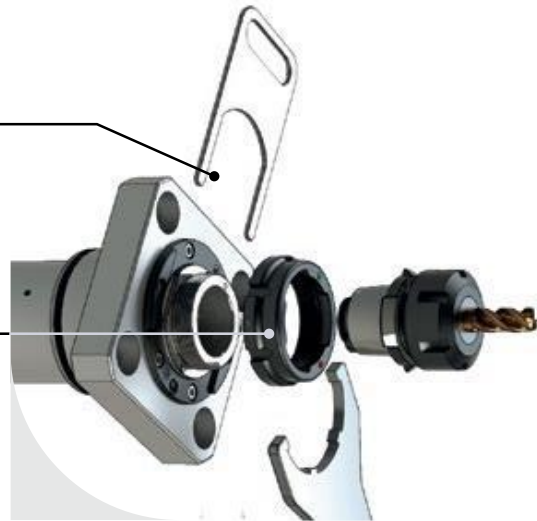
INCREMENTO DELLA PRODUTTIVITÀ
INCREASED PRODUCTIVITY

COME È FATTO

How it is made

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

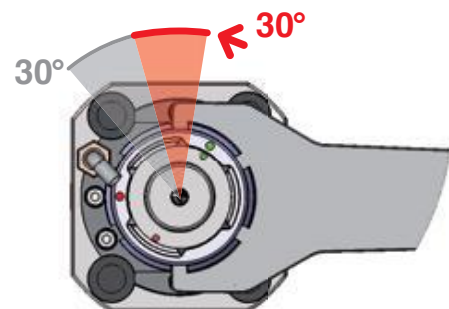
- **Ghiera SmartChange brevettata**
(fissata al corpo principale)
Patented SmartChange nut
(fixed on the main body)



COME FUNZIONA

How it works

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



Tempo massimo di sostituzione cartucce
Time to change front end

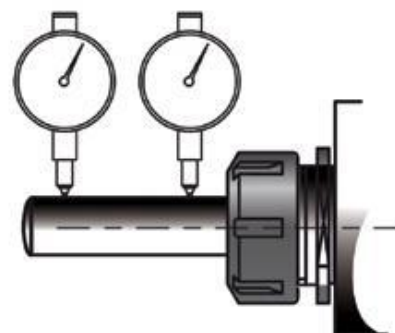
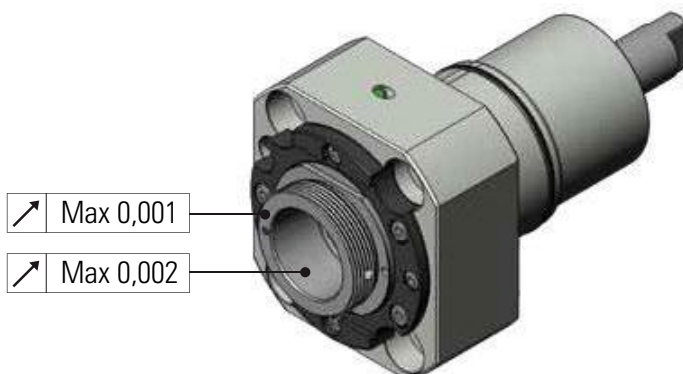
20"

Ripetibilità / *Repeatability*

0,003 mm






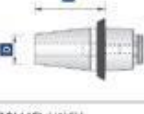



Precisione con barra inserita nel mandrino
Accuracy with gauge bar inserted in the collet chuck

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	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	Ø	A	D	Ø	A
	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	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																				
SEMILAVORATO / 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



TOOL ID



T90cn-2.5C Neo

SMART CHANGE

AST9025C

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



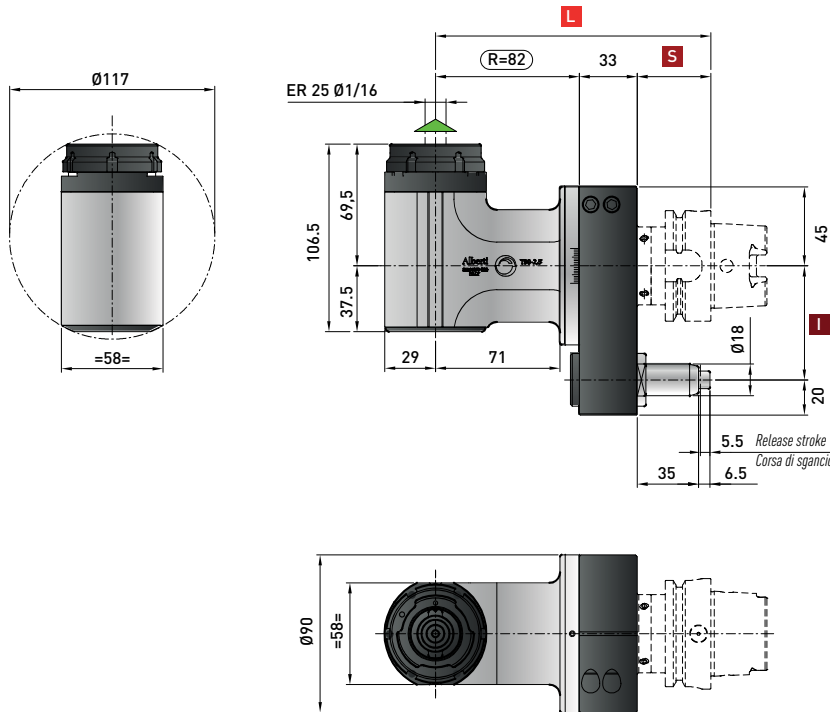
Weight
Peso
5.4 kg



Tapping
Maschiatura
Max. M12

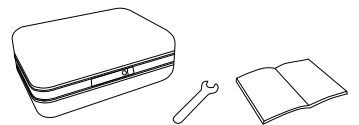


Collet
Pinza
Smart Change



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

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



*** STANDARD EQUIPMENT includes:**

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

T90cn-3.5 Neo

AST9035C

SMART CHANGE

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



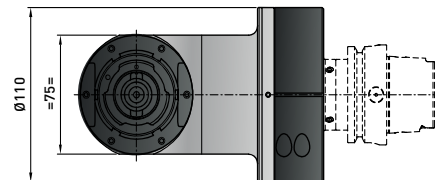
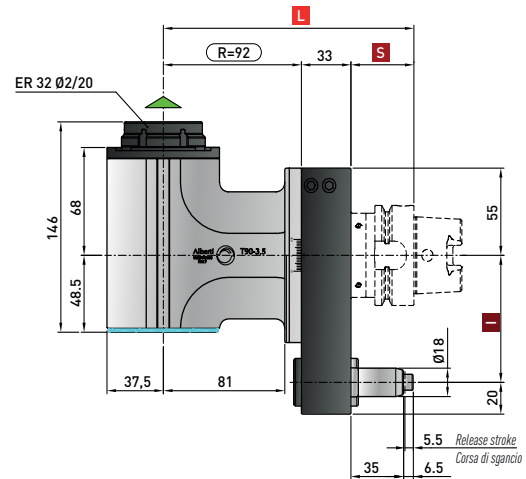
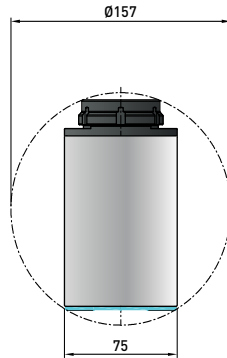
Weight
Peso
11 kg



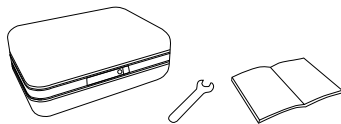
Tapping
Maschiatura
Max. M16



Collet
Pinza
Smart Change



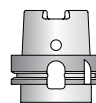
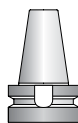
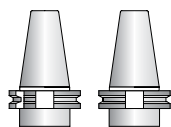
* STANDARD EQUIPMENT includes:



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



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



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	160	166	167	170	163	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

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

THRcn-3.5 Neo IC

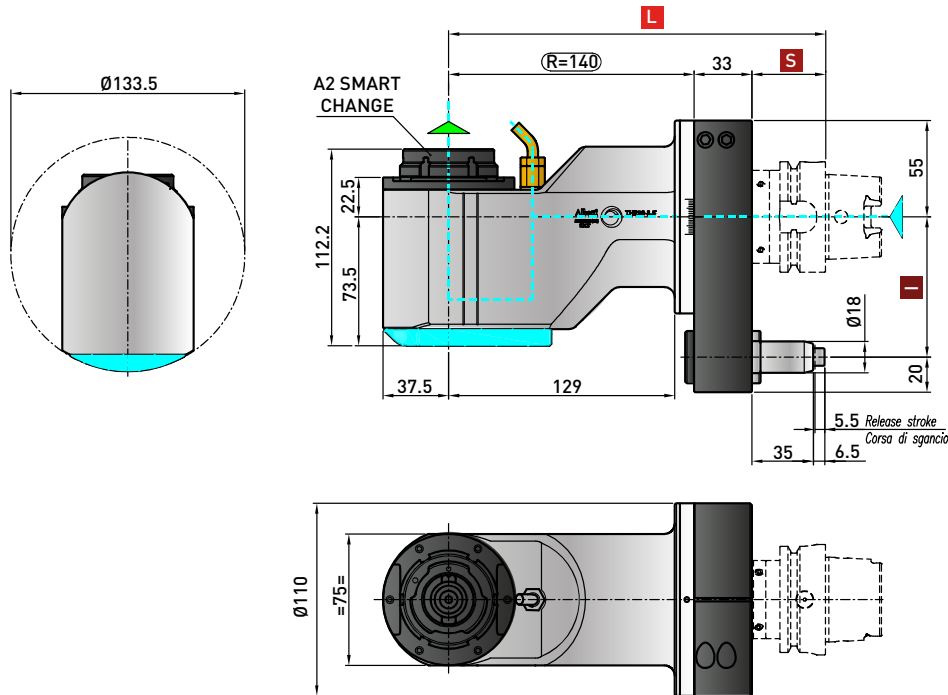
SMART CHANGE

ASTHR935C.IC

Technical data

Caratteristiche tecniche

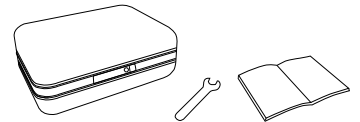
- Ratio**
Rapporto
1:1
- RPM**
Velocità
8.000 min⁻¹ | **DRY Running**
5.000 min⁻¹
- Max. axial load**
Max. carico assiale
1250 N
- Torque**
Momento torcente
70 Nm
- Weight**
Peso
11.5 kg
- Tapping**
Maschiatura
Max. M16
- Collet**
Pinza
Smart Change



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

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

*** 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	208	214	215	218	211	213

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

TCUcn-3.5 Neo

ASTCU35C

SMART CHANGE

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
700 N



Torque
Momento torcente
50 Nm



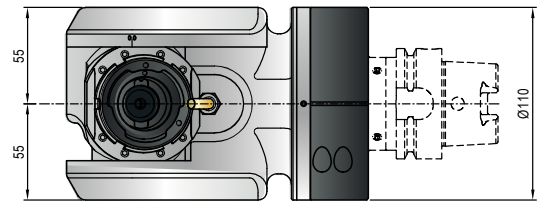
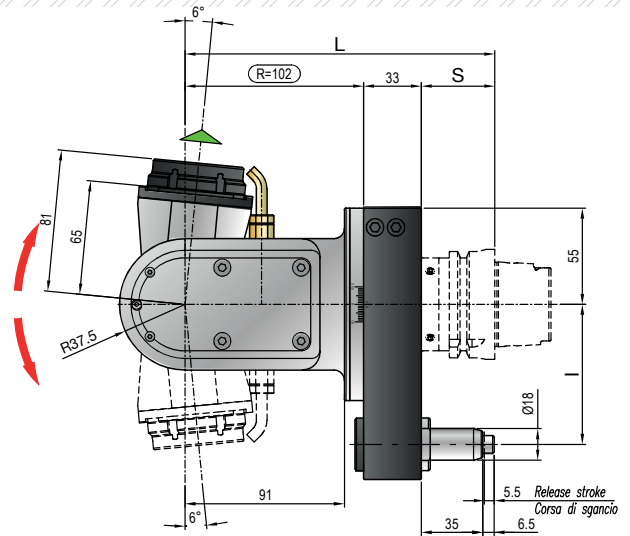
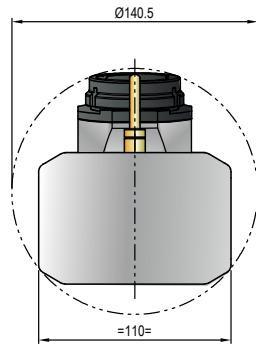
Weight
Peso
13 kg



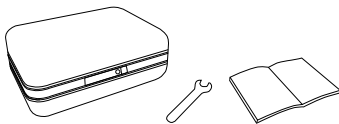
Tapping
Maschiatura
Max. M16



Collet
Pinza
Smart Change



* 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

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	170	176	177	180	173	175

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



+/- 95°

Angle
Angolo



every
5°



Fixed positioning
Posizionamento fisso

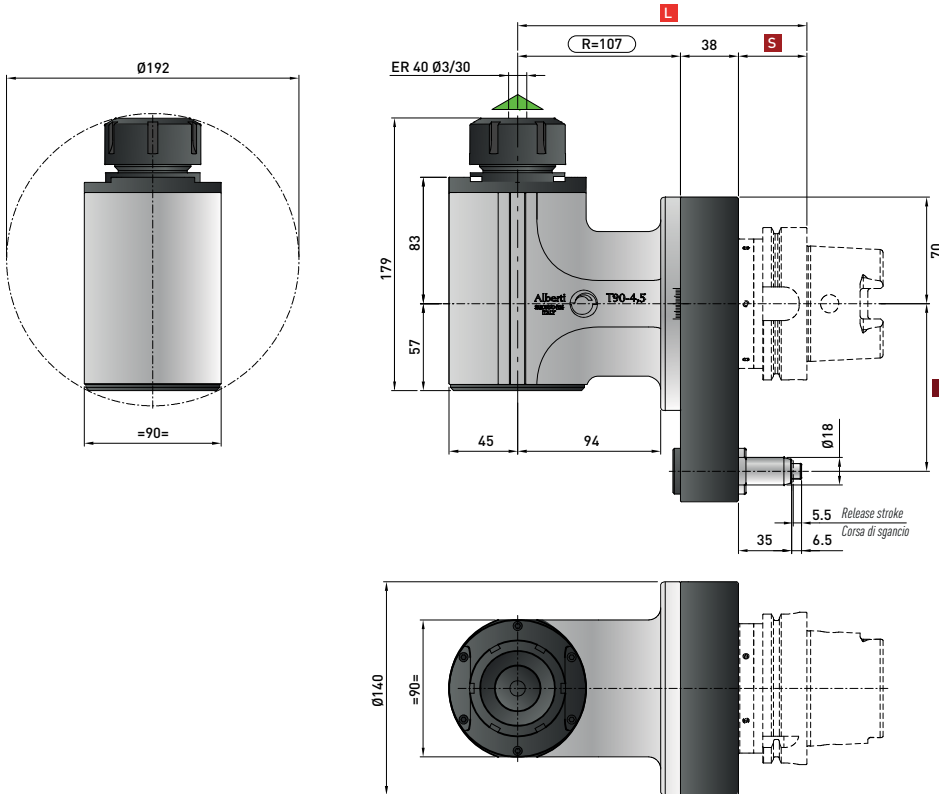
T90cn-4.5C Neo

ACT9045C


Technical data

Caratteristiche tecniche

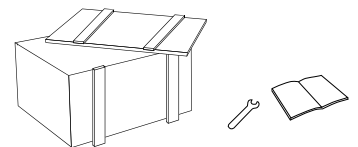
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
4.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
1.750 N
-  **Torque**
Momento torcente
120 Nm
-  **Weight**
Peso
17 kg
-  **Tapping**
Maschiatura
Max. M20
-  **Collet**
Pinza
ER-40 (ø 3/30 mm)

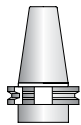
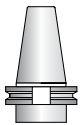
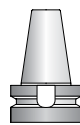
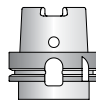
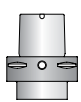


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

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

*** STANDARD EQUIPMENT includes:**



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

Welded output
Weldon



HSK-50 / 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 DRY
4.000 min⁻¹ Running



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
120 Nm



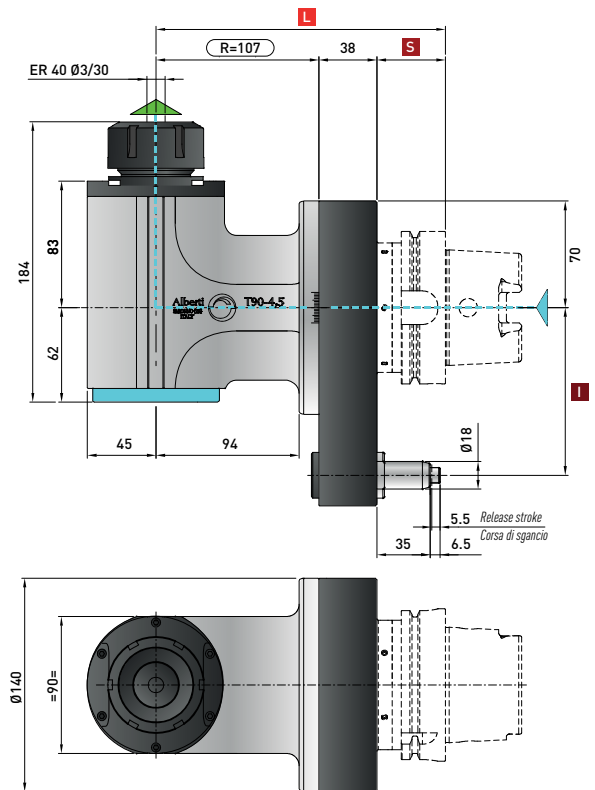
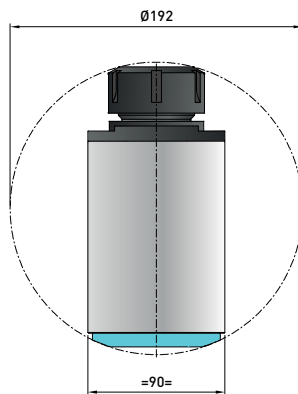
Weight
Peso
17 kg



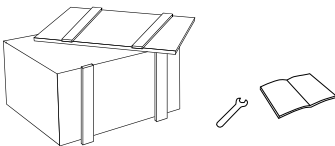
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 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
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
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	80-110	80-110	80-110	80-110	80-110
S	35	41	42	45	40
L	180	186	187	190	185

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

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Welded output
Weldon



HSK-50 / CAPTO C4



Quick Change
Attacco rapido

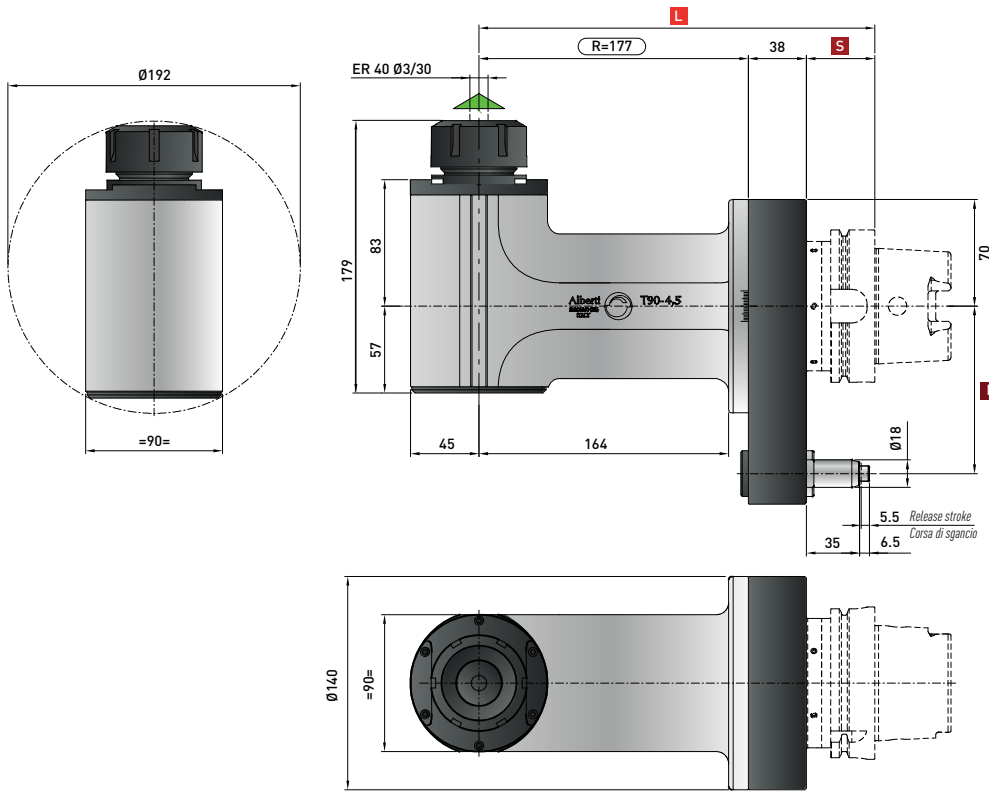
T90cn-4.5L Neo

ACT9045L


Technical data

Caratteristiche tecniche

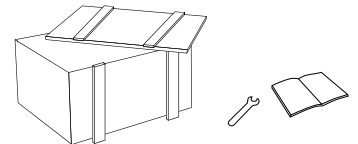
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
4.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
1.750 N
-  **Torque**
Momento torcente
120 Nm
-  **Weight**
Peso
20 kg
-  **Tapping**
Maschiatura
Max. M20
-  **Collet**
Pinza
ER-40 (ø 3/30 mm)

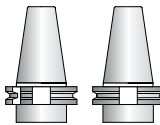
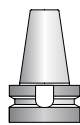
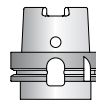
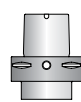


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

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

*** STANDARD EQUIPMENT includes:**



					
Spindle / Cono	DIN 69871-CAT	MAS-BT	HSK		CAPTO
Size / Grandezza	50	50	80	100	C8
I	80-110	80-110	80-110	80-110	80-110
S	35	41	42	45	40
L	250	256	257	260	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.
25

Weldon output
Weldon



HSK-50 / 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
120 Nm



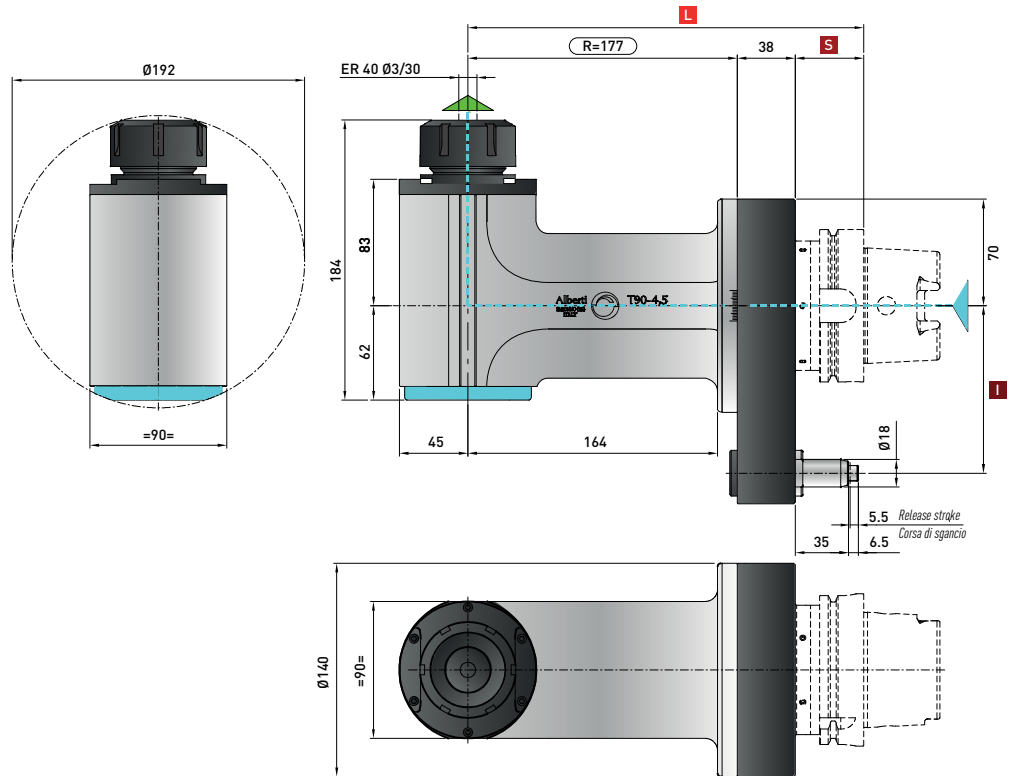
Weight
Peso
20 kg



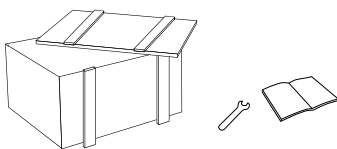
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 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
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
- 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	80-110	80-110	80-110	80-110	80-110
S	35	41	42	45	40
L	250	256	257	260	255

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-50 / CAPTO C4

Quick Change
Attacco rapido

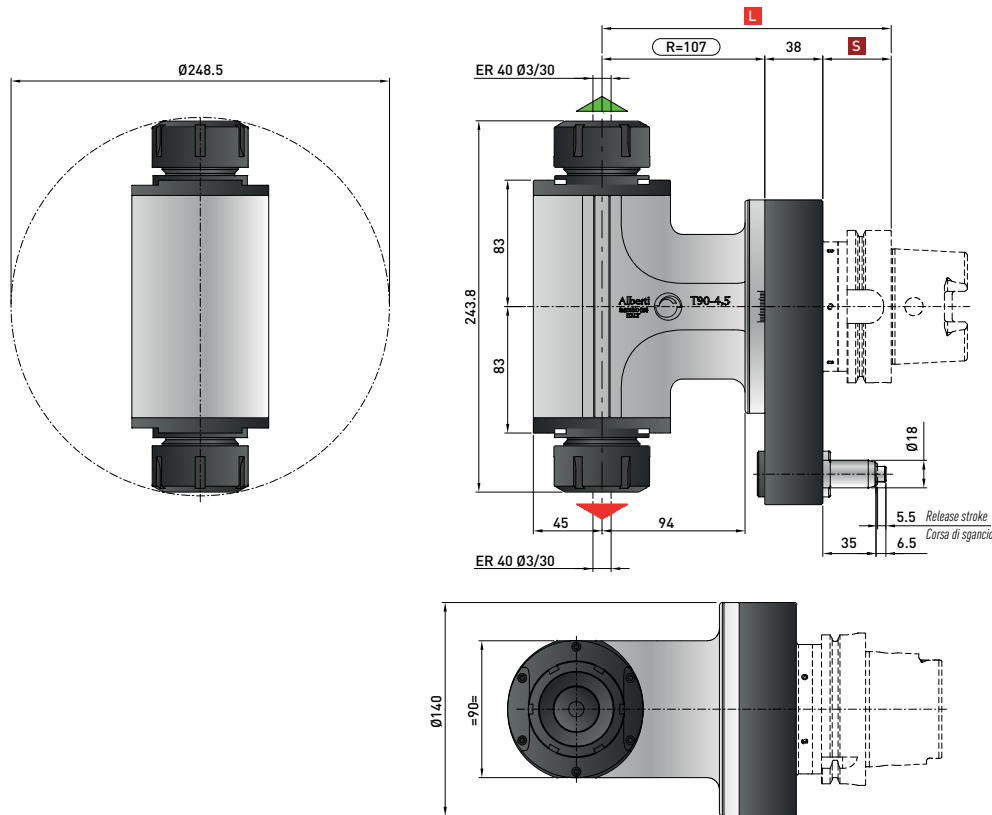
T90cn-4.5 2U Neo

ACT9045D



Technical data

Caratteristiche tecniche

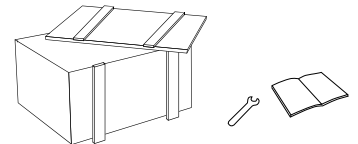
-  **Ratio**
Rapporto
1:1
-  **RPM**
Velocità
4.000 min⁻¹
-  **Max. axial load**
Max. carico assiale
1.750 N
-  **Torque**
Momento torcente
120 Nm
-  **Weight**
Peso
20 kg
-  **Tapping**
Maschiatura
Max. M20
-  **Collet**
Pinza
ER-40 (ø 3/30 mm)
ER-40 (ø 3/30 mm)



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

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

*** STANDARD EQUIPMENT includes:**



Spindle / Cono	DIN 69871-CAT	MAS-BT	HSK		CAPTO
Size / Grandezza	50	50	80	100	C8
I	80-110	80-110	80-110	80-110	80-110
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 Neo

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
120 Nm



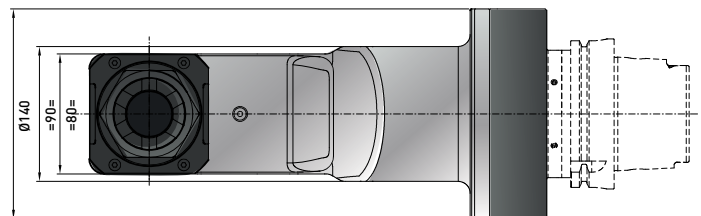
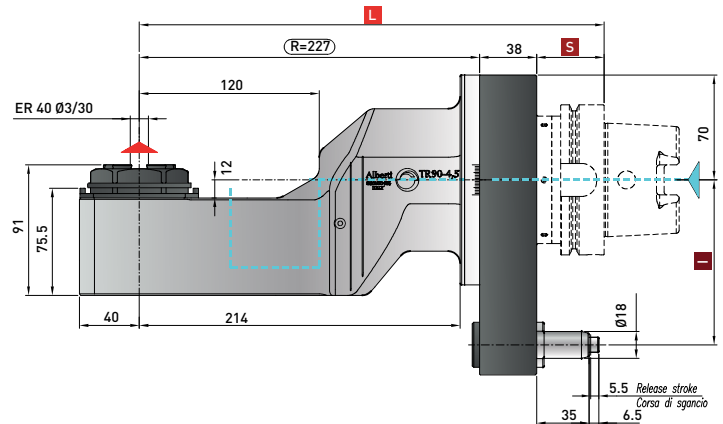
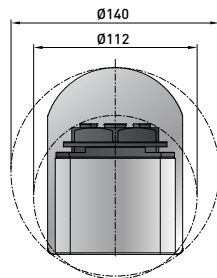
Weight
Peso
20 kg



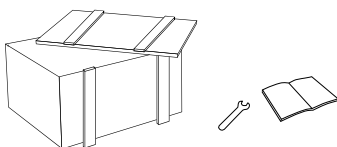
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 mm)



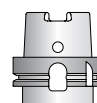
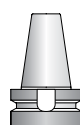
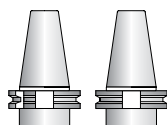
*** STANDARD EQUIPMENT includes:**



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



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
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	80-110	80-110	80-110	80-110	80-110
S	35	41	42	45	40
L	300	306	307	310	305

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

Option / Opzione



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

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

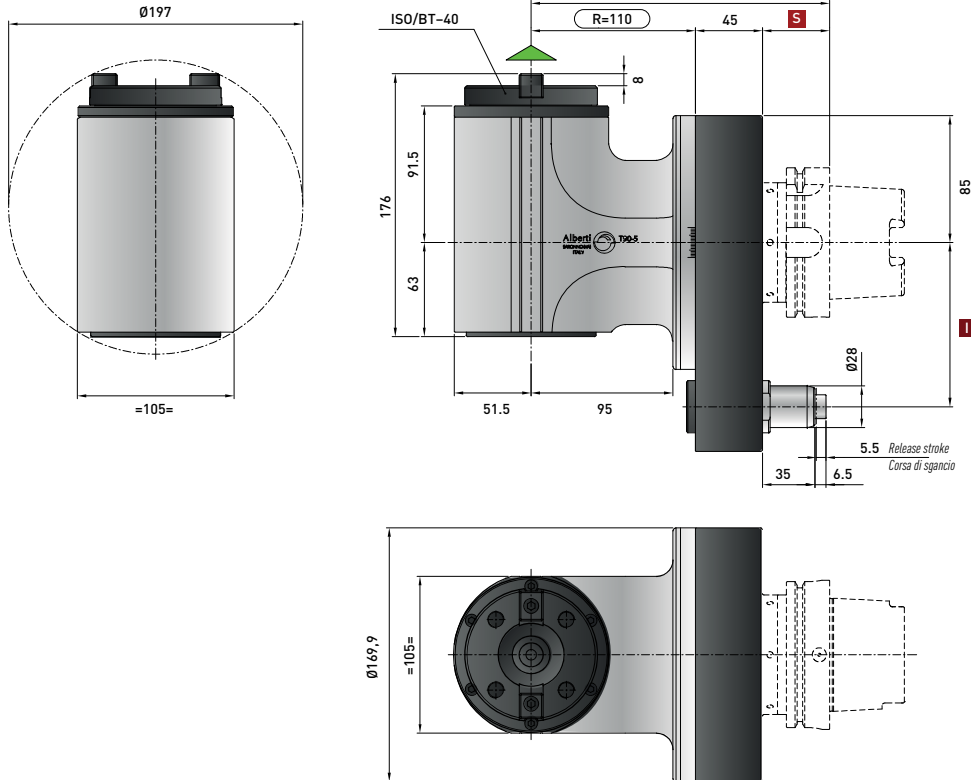
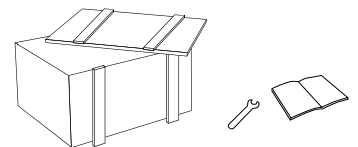


Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



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

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

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
3.000 min⁻¹ Running



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



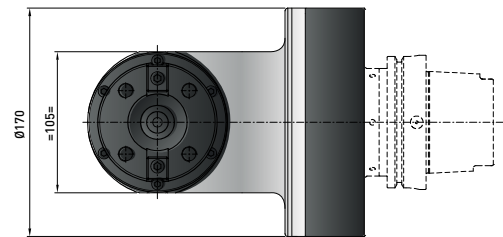
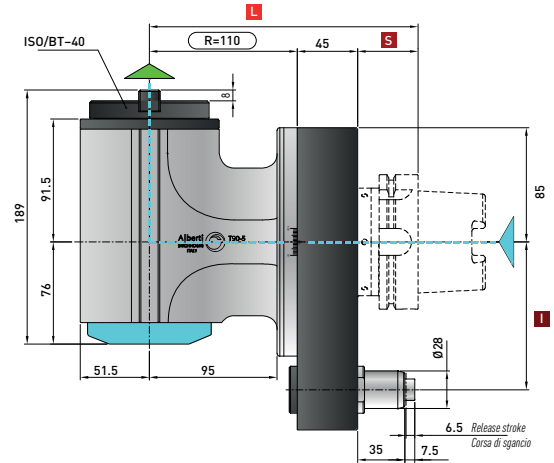
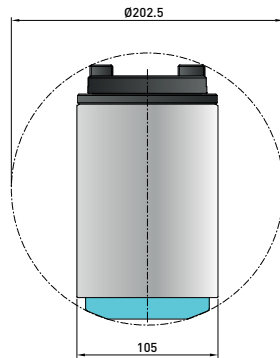
Weight
Peso
22 kg



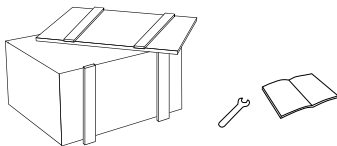
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



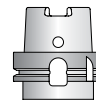
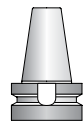
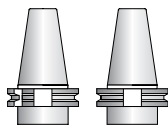
* STANDARD EQUIPMENT includes:



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



- Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
- Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
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
L	190	196	197	200	195

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

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



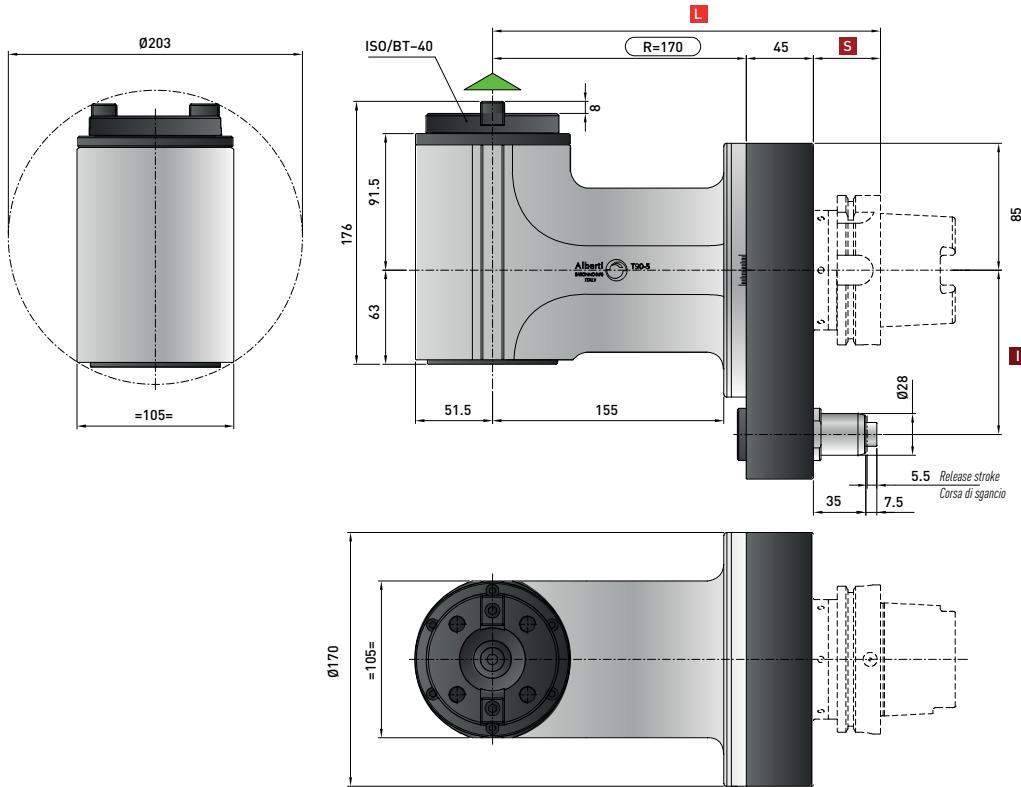
Weight
Peso
26,2 kg



Tapping
Maschiatura
Max. M24



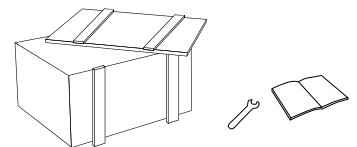
Collet
Pinza
ISO/BT 40



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

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

*** STANDARD EQUIPMENT includes:**



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	250	256	260	255

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
3.000 min⁻¹ Running



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



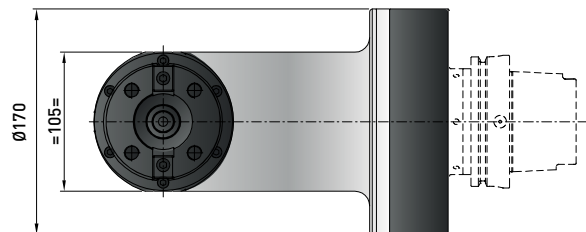
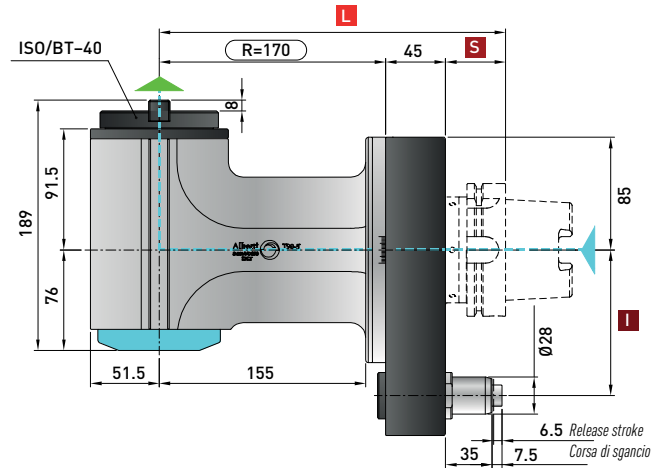
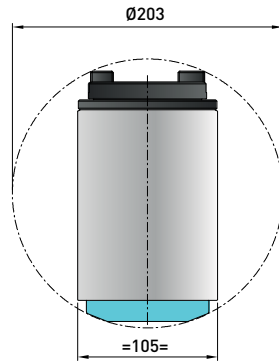
Weight
Peso
26,2 kg



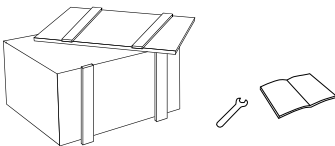
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



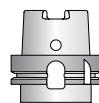
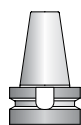
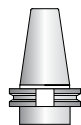
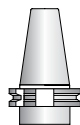
* STANDARD EQUIPMENT includes:



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



- ▲ Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
- ▲ Input coolant max. 1450 PSI / ingresso refrigerante max. 100 bar
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	250	256	260	255

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

Option / Opzione



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido