

LINEA CONTROL

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

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

SCANNERIZZA IL QR CODE
per le istruzioni di montaggio

SCAN THE QR CODE
for the set-up instructions



Dimensione STOP BLOCK per teste
Dimensions STOP BLOCK for heads

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



Dimensione STOP BLOCK per teste
Dimensions STOP BLOCK for heads

T90cn-5



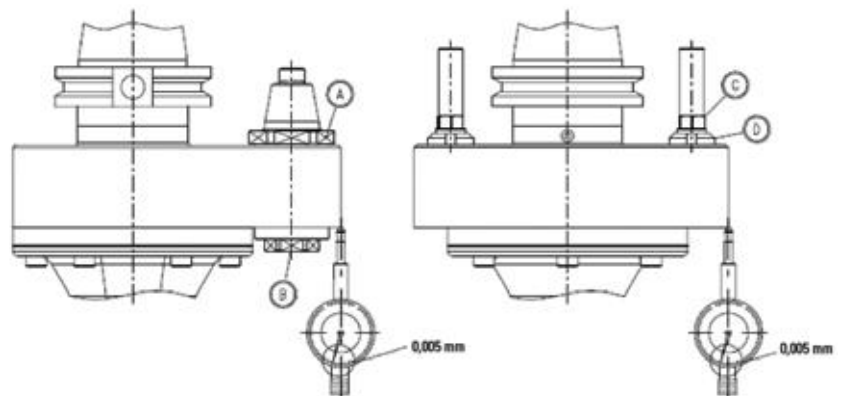
SUPPORTO 3 PUNTI.

3 point support

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

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

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



SCANNERIZZA
IL QR CODE
per le istruzioni
di montaggio

SCAN THE
QR CODE
for the set-up
instructions



Esempi di **STOP BLOCK E PERNO.**

Examples of stop blocks and pins

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

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



A

Cod: 5951800001

*Perno e stop block
Alberti standard*

*Alberti standard
Pin and Block*

B

Cod: 595180006

*Perno e stop block
Alberti standard*

*Alberti standard
pin and block*

C

Cod: 5951800073

*Perno e stop block conico
regolabile standard*

*Standard conical pin
and stop block*

D

Cod: 4951800091

*Perno e stop block
prismatico*

*Prismatic pin
and stop block*

E

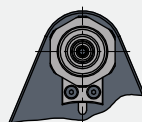
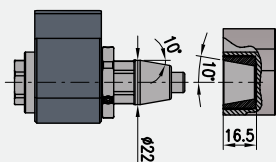
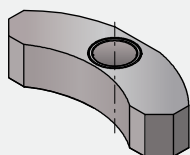
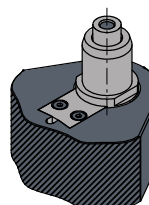
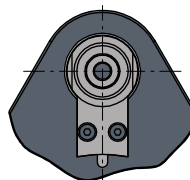
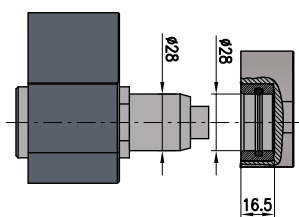
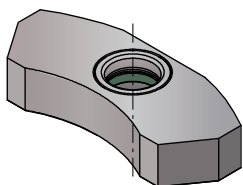
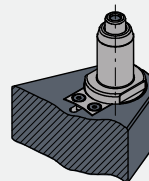
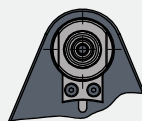
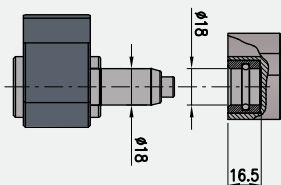
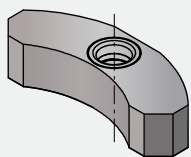
*Perno flottante
Floating pin*

F

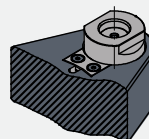
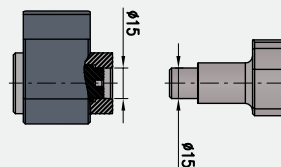
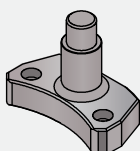
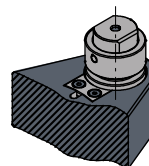
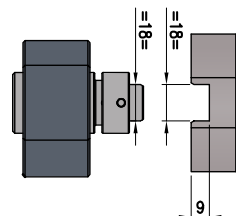
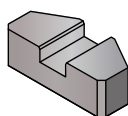
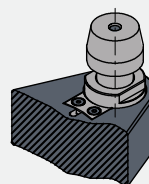
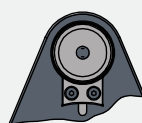
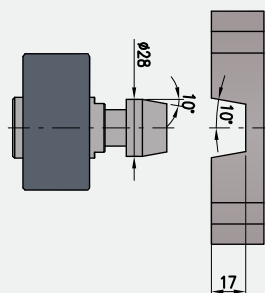
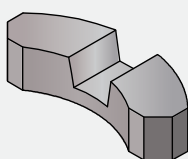
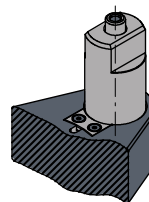
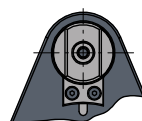
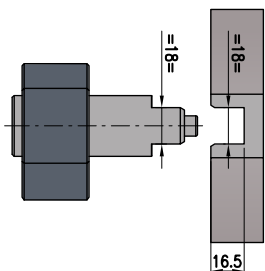
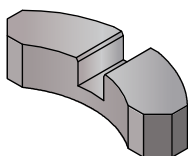
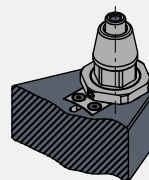
*Perno maschio speciale
Special male pin*

G

*Perno femmina speciale
Special female pin*



Perno regolabile
Adjustable pin



T90cn-0.4C

ACT9004C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
100 N



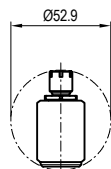
Torque
Momento torcente
4 Nm



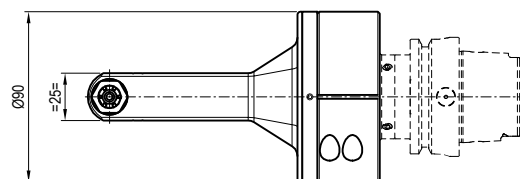
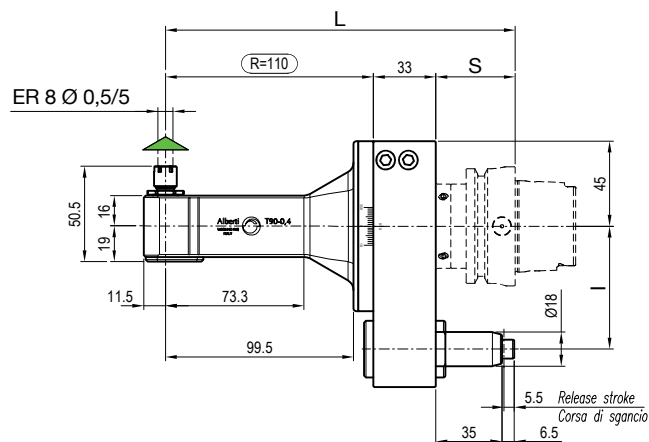
Weight
Peso
4 kg



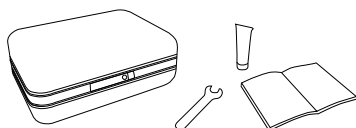
Collet
Pinza
ER-8 (ø 0,5/5 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno

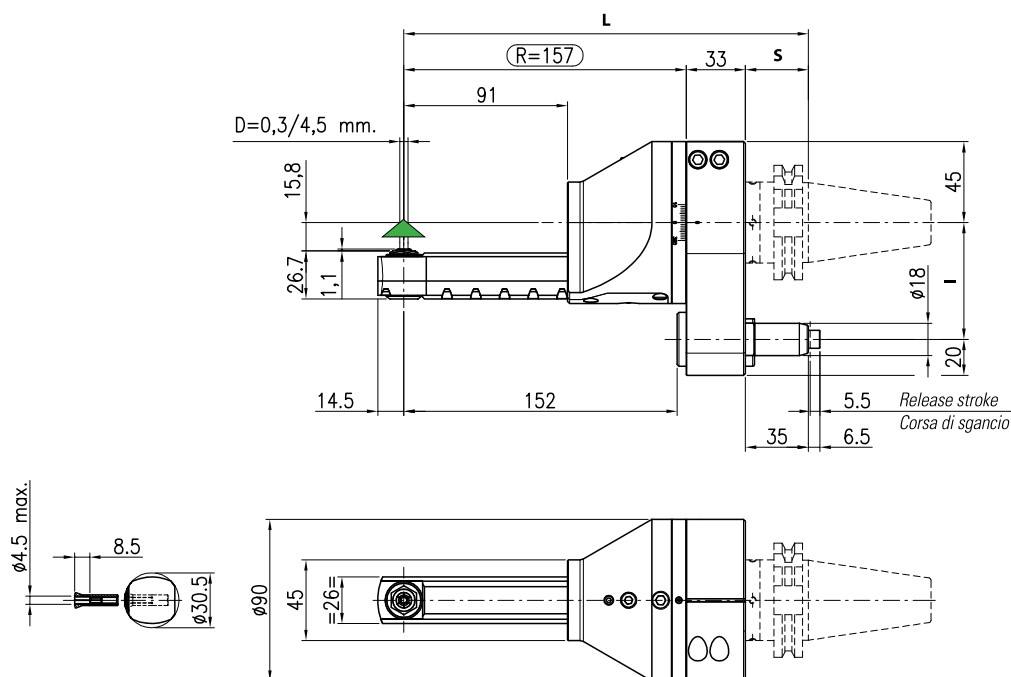


Ø mm max.
6

Weldon output
Weldon

TR90cn-0.4

ACTR904C



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:2.375 SPEEDER



RPM
Velocità
8.000 min⁻¹ OUTPUT



Max. axial load
Max. carico assiale
135 N



Torque
Momento torcente
8 Nm



Weight
Peso
4.5 kg



Collet
Pinza
SCHAUBLIN P6

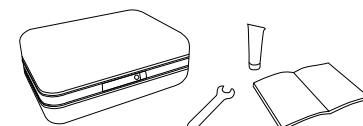
*** STANDARD EQUIPMENT includes:**

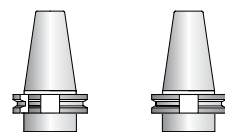
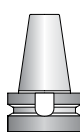
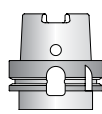
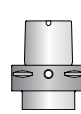
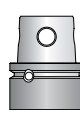


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
100

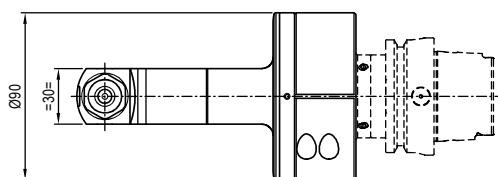
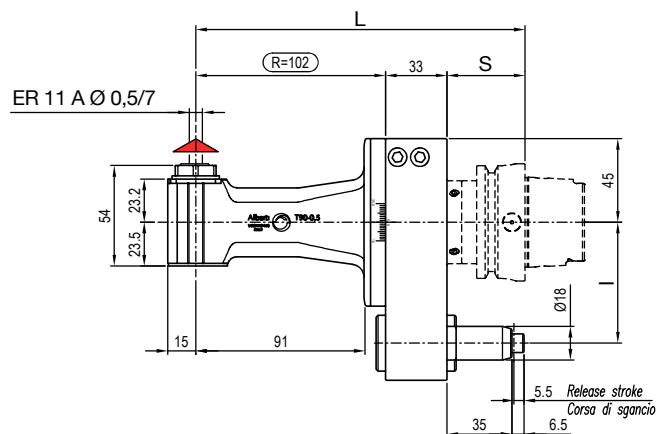
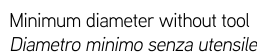
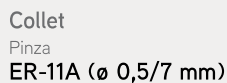
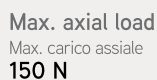
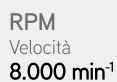
Coolant through spindle
Adduzione refrigerante attraverso il cono



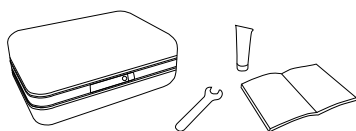
bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno

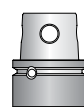
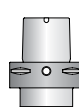
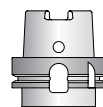
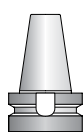
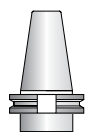
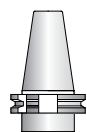
Caratteristiche tecniche



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



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

bar max
12

Coolant through pin
Refrigerante attraverso il perno

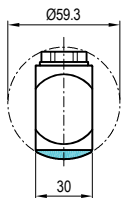


Ø mm max.
6

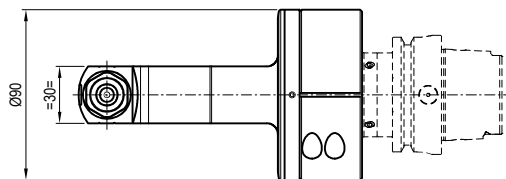
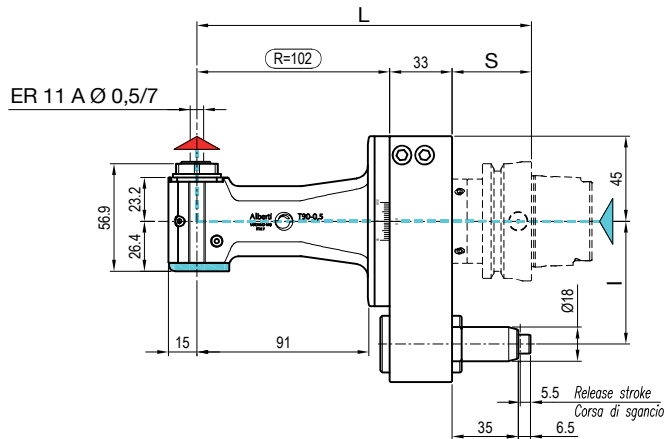
Weldon output
Weldon

T90cn-0.5C Neo IC

ACT9005C.IC



Minimum diameter without tool
Diametro minimo senza utensile



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

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

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
12 Nm



Weight
Peso
4 kg

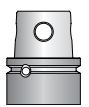
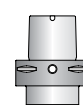
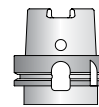
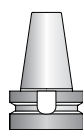
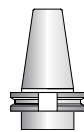
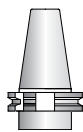
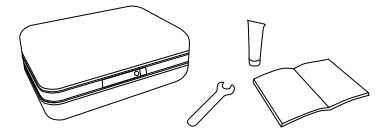


Tapping
Maschiatura
Max. M5



Collet
Pinza
ER-11A (ø 0,5/7 mm)

*** STANDARD EQUIPMENT includes:**



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

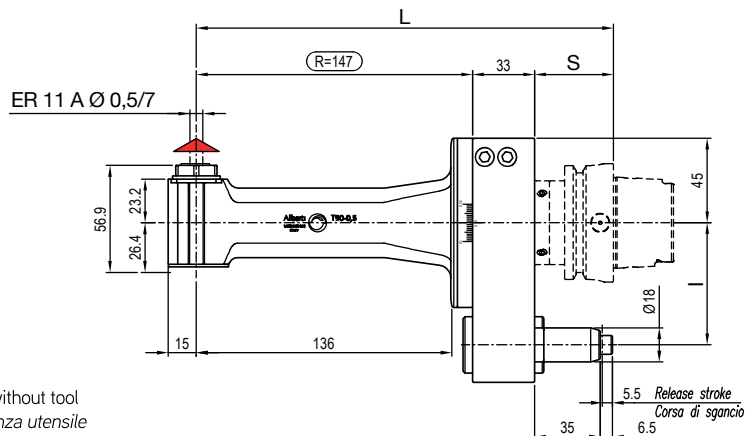
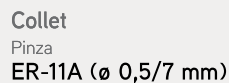
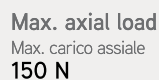
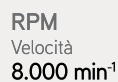


Ø mm max.

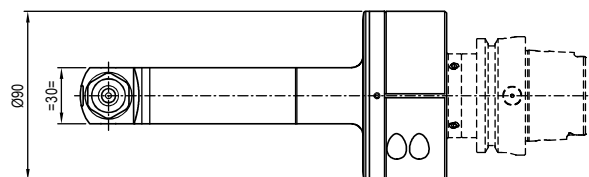
6

Weldon output
Weldon

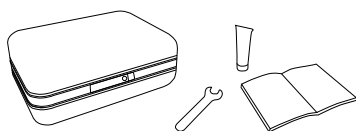
Caratteristiche tecniche



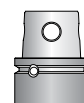
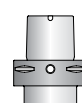
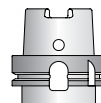
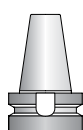
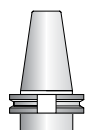
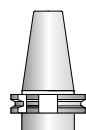
Minimum diameter without tool
Diametro minimo senza utensile



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



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

bar max
12

Coolant through pin
Refrigerante attraverso il perno

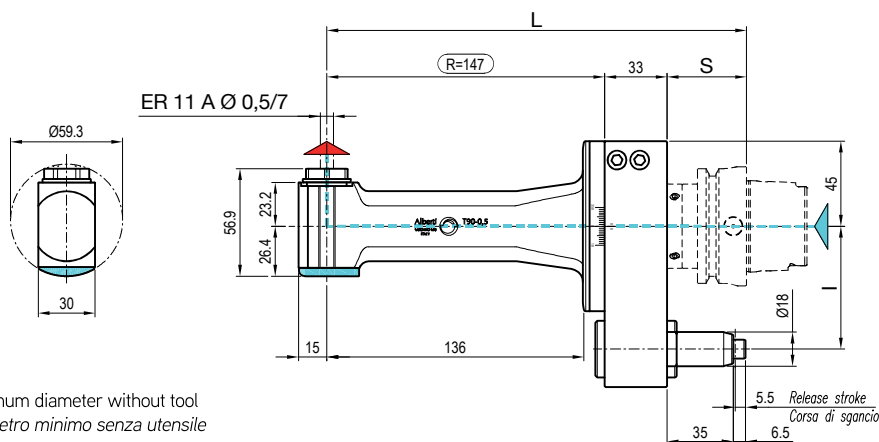


Ø mm max.
6

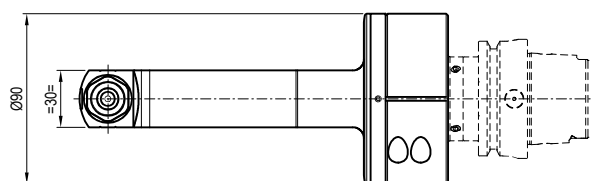
Weldon output
Weldon

T90cn-0.5L Neo IC

ACT9005L.IC



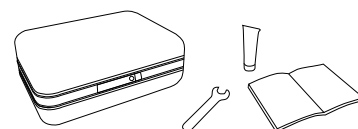
Minimum diameter without tool
Diametro minimo senza utensile

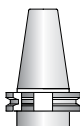
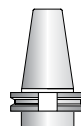
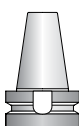
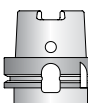
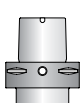
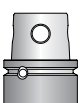


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

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

*** STANDARD EQUIPMENT includes:**



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm max.

6

Weldon output
Weldon

TR90cn-0.5

ACTR905C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:2



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



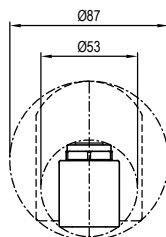
Torque
Momento torcente
20 Nm



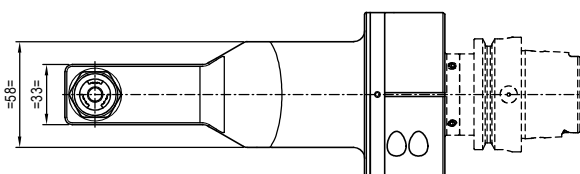
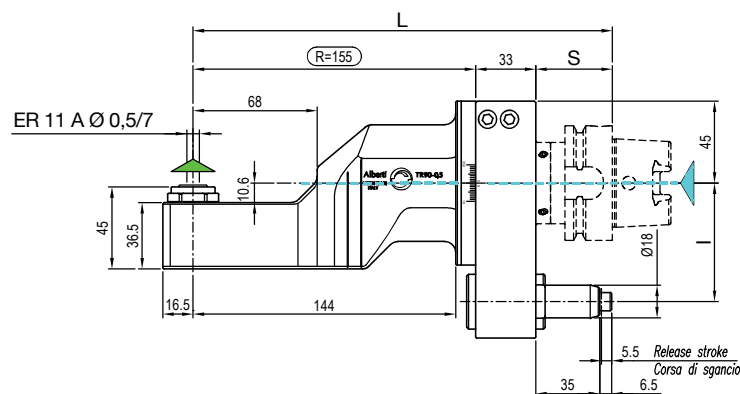
Weight
Peso
6 kg



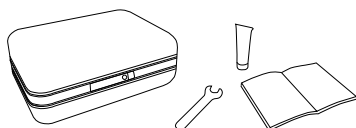
Collet
Pinza
ER-AX-11 (ø 0,5/7 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



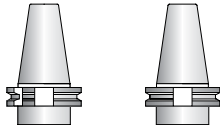
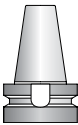
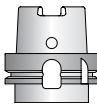
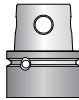
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max

12

Coolant through pin

Adduzione refrigerante attraverso il perno



bar max

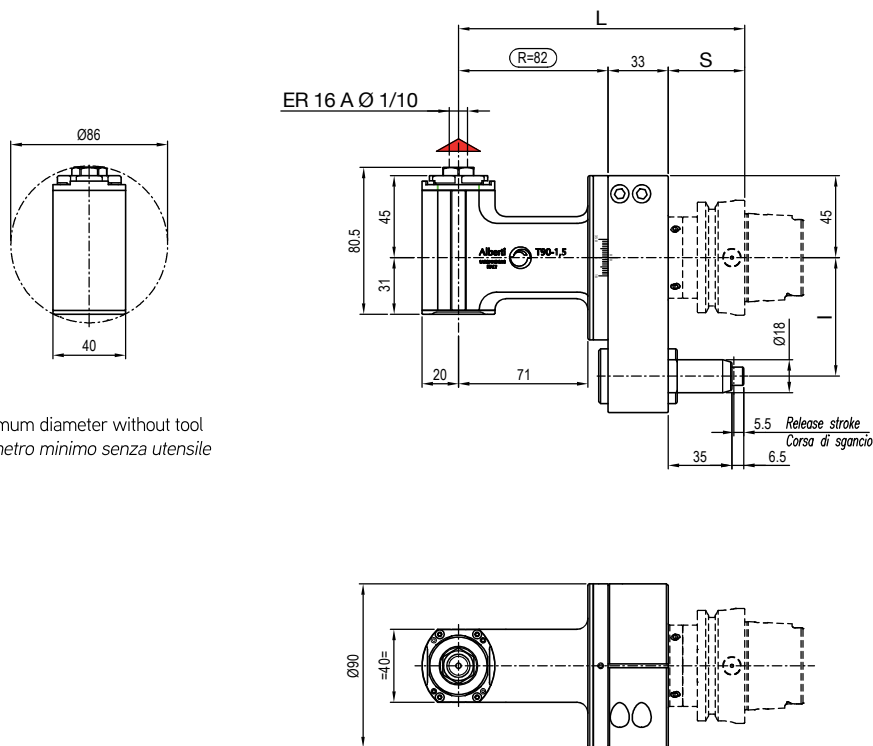
100

Coolant through spindle

Adduzione refrigerante attraverso il cono

T90cn-1.5C Neo

ACT9015C



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



Weight
Peso
4.3 kg



Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (ø 1/10 mm)

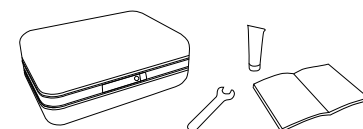


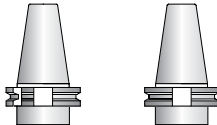
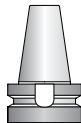
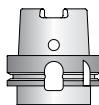
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

*** STANDARD EQUIPMENT includes:**



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
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



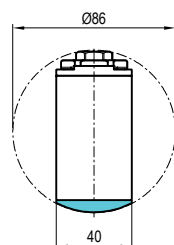
Weight
Peso
4.3 kg



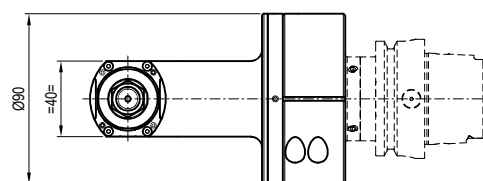
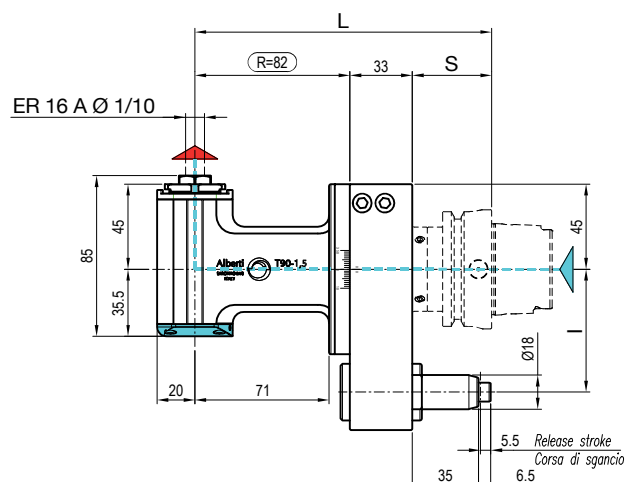
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)



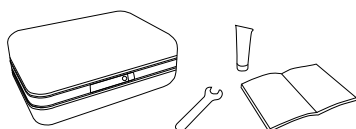
Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**

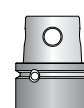
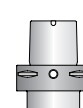
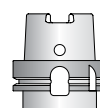
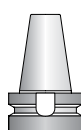
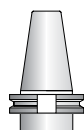
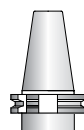
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
13

Arbor output
Porta fresa

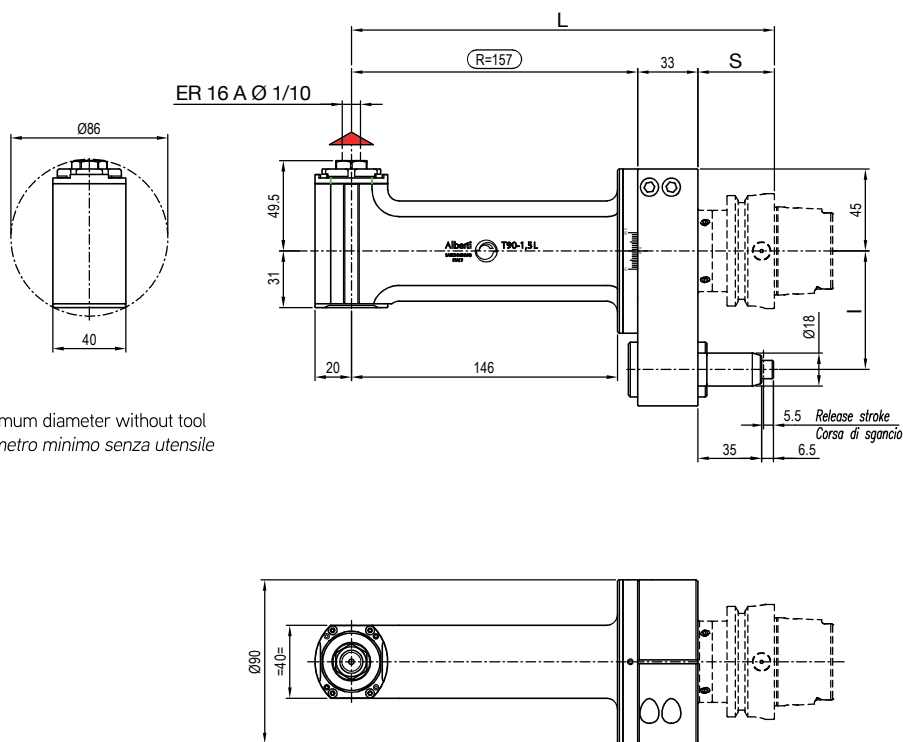


Ø mm max.
10

Weldon output
Weldon

T90cn-1.5L Neo

ACT9015L



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



Weight
Peso
5.2 kg



Tapping
Maschiatura
Max. M6



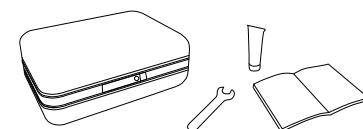
Collet
Pinza
ER-16A (ø 1/10 mm)



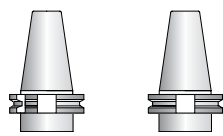
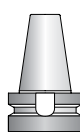
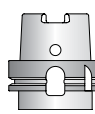
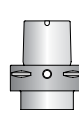
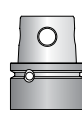
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



*** STANDARD EQUIPMENT includes:**

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Welding output
Weldon



ER-16/ER-11

Double output
Doppia uscita

T90cn-1.5L Neo IC

ACT9015L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



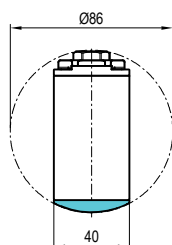
Weight
Peso
5.2 kg



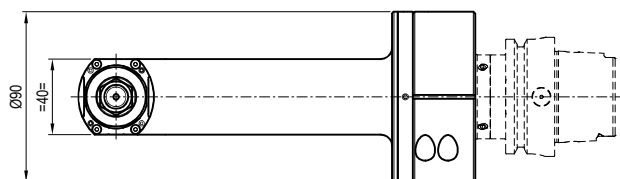
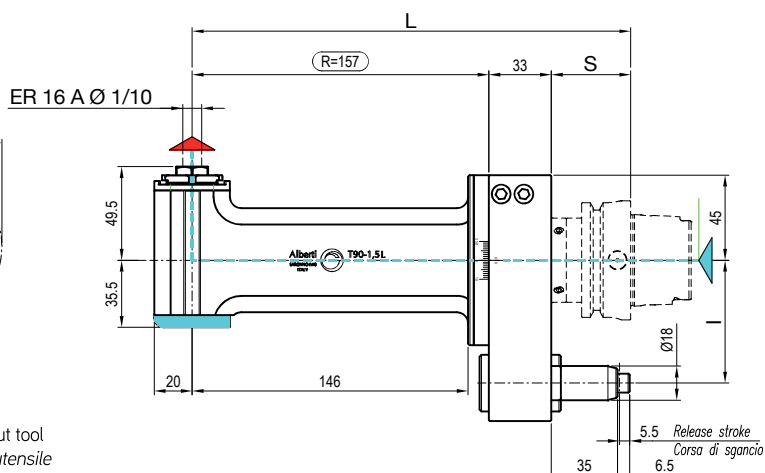
Tapping
Maschiatura
Max. M6



Collet
Pinza
ER-16A (Ø 1/10 mm)

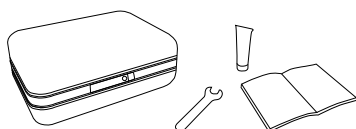


Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**

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



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

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
13

Arbor output
Porta fresa

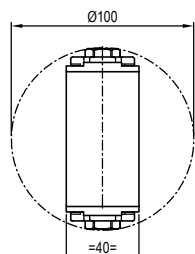


Ø mm max.
10

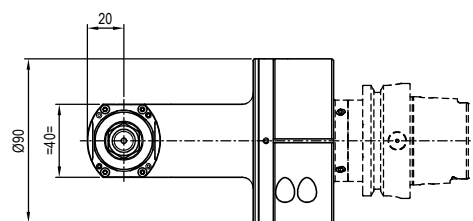
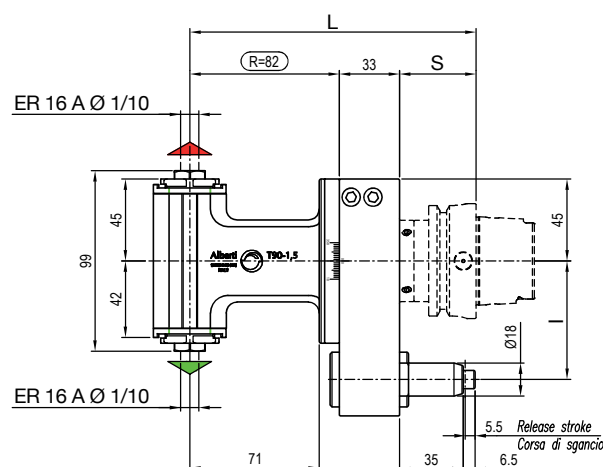
Weldon output
Weldon

T90cn-1.5 2U Neo

ACT9015D



Minimum diameter without tool
Diametro minimo senza utensile



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
25 Nm



Weight
Peso
4.3 kg

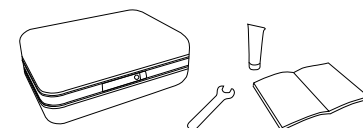


Collet
Pinza
ER-16A (ø 1/10 mm)

*** STANDARD EQUIPMENT includes:**



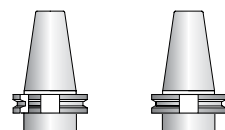
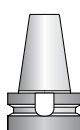
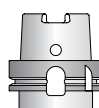
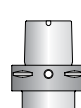
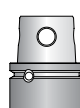
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno

TR90cn-1.5

ACTR915C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
350 N



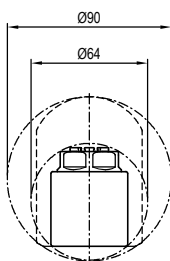
Torque
Momento torcente
15 Nm



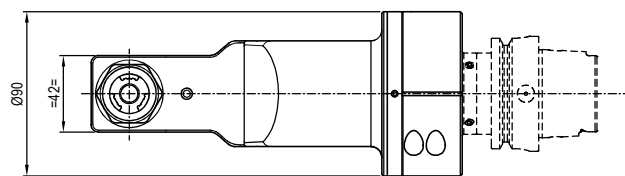
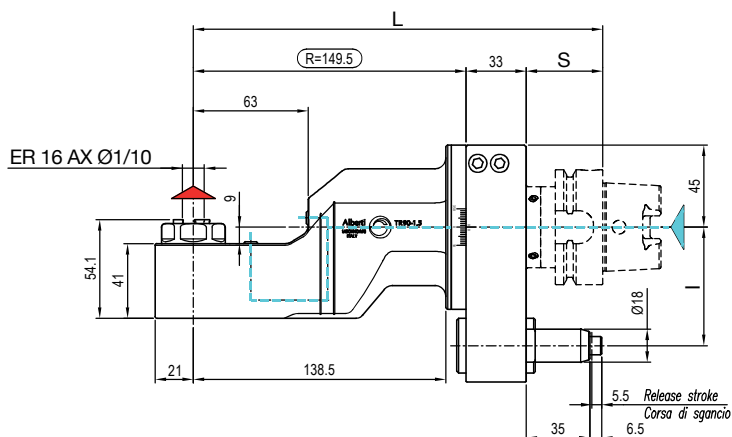
Weight
Peso
7 kg



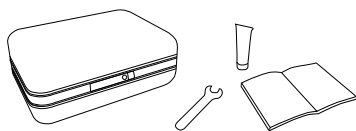
Collet
Pinza
ER-AX-16 (ø 1/10 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



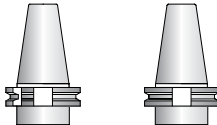
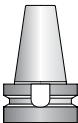
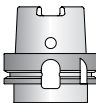
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max

12

Coolant through pin

Addizione refrigerante attraverso il perno



bar max

100

Coolant through spindle

Addizione refrigerante attraverso il cono

THRcn-1.5 Neo IC

ACTHR915C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
20 Nm



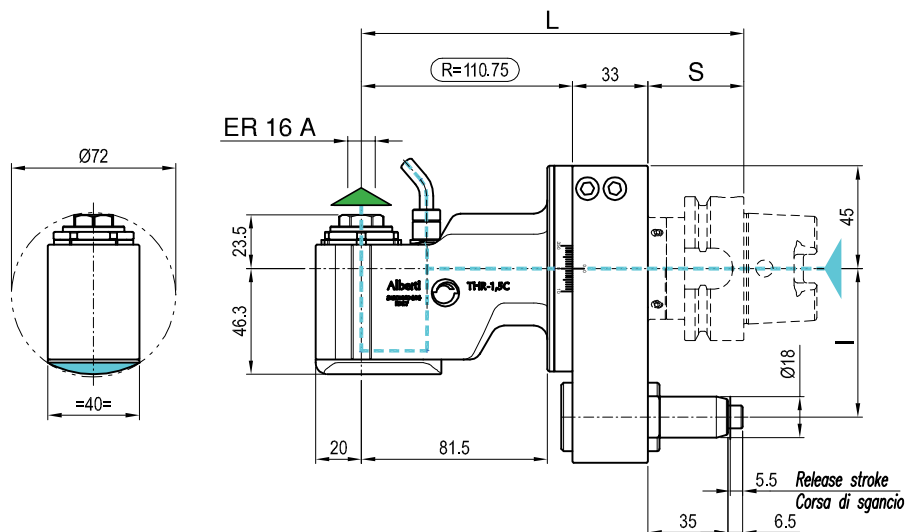
Weight
Peso
4.2 kg



Tapping
Maschiatura
Max. M6

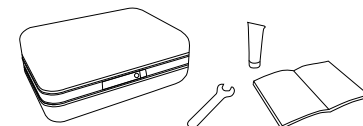


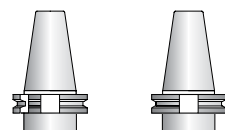
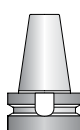
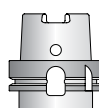
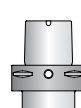
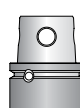
Collet
Pinza
ER-16A (ø 1/10 mm)



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

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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

TCUcn-1.5 Neo

ACTCU15C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
450 N



Torque
Momento torcente
15 Nm



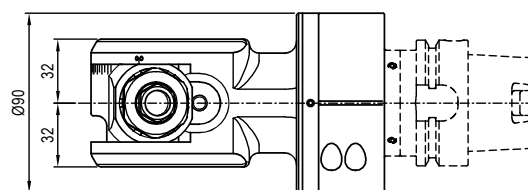
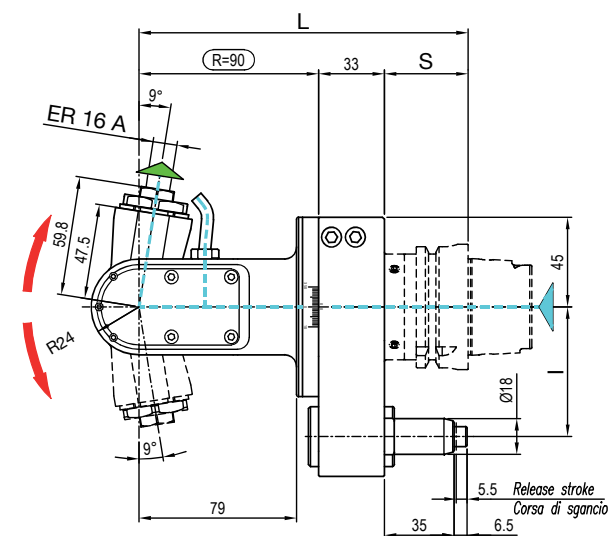
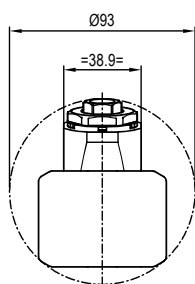
Weight
Peso
4.5 kg



Tapping
Maschiatura
Max. M6



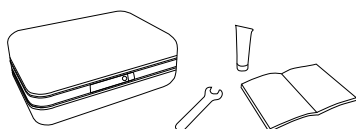
Collet
Pinza
ER-16A (ø 1/10 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
8.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo

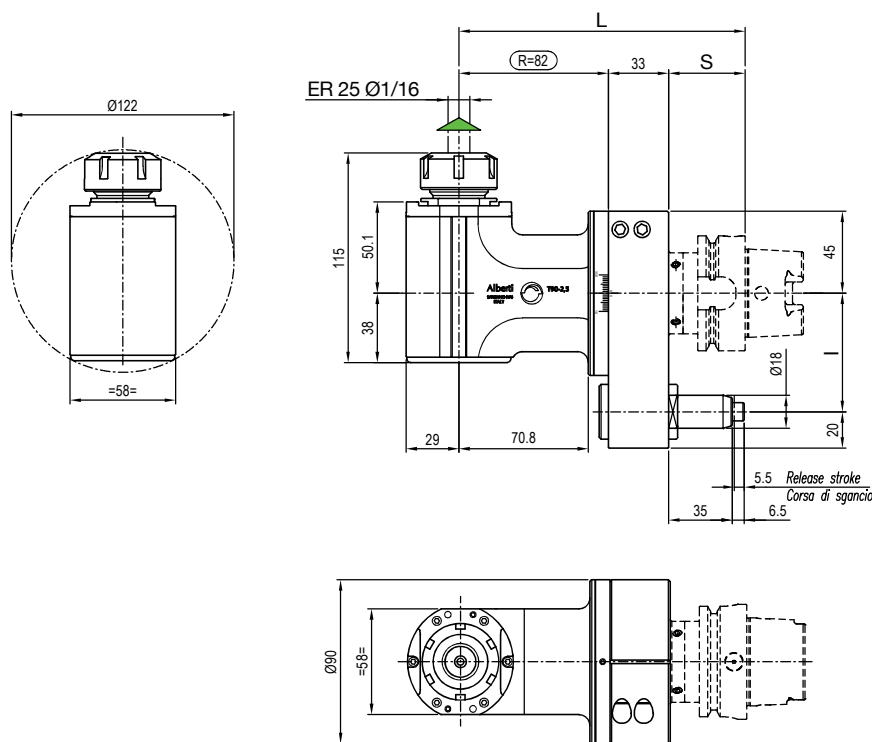


every
5°

Fixed positioning
Posizionamento fisso

T90cn-2.5C Neo

ACT9025C



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



Weight
Peso
5.4 kg



Tapping
Maschiatura
Max. M12



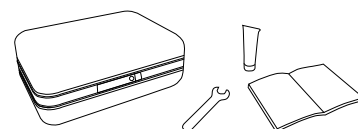
Collet
Pinza
ER-25 (ø 1/16 mm)

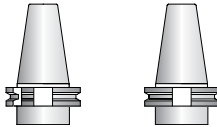
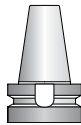
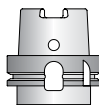
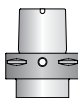
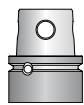


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

*** STANDARD EQUIPMENT includes:**

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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido



ER 25/ER 16

Double output
Doppia uscita

T90cn-2.5C Neo IC

ACT9025C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



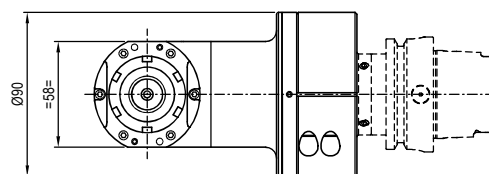
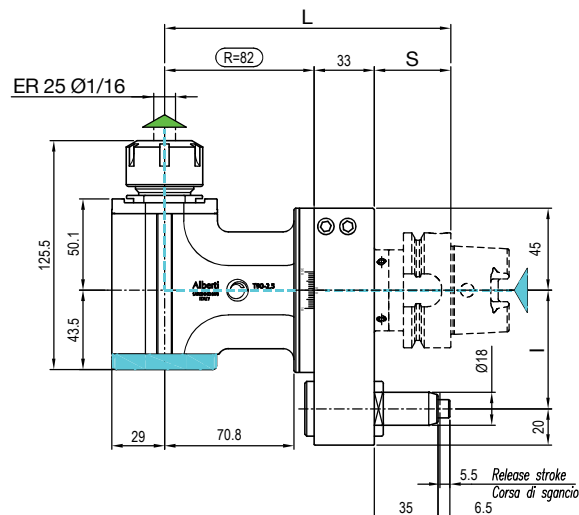
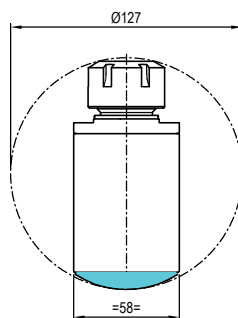
Weight
Peso
5.4 kg



Tapping
Maschiatura
Max. M12



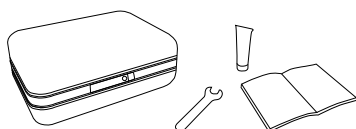
Collet
Pinza
ER-25 (ø 1/16 mm)



*** STANDARD EQUIPMENT includes:**

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon

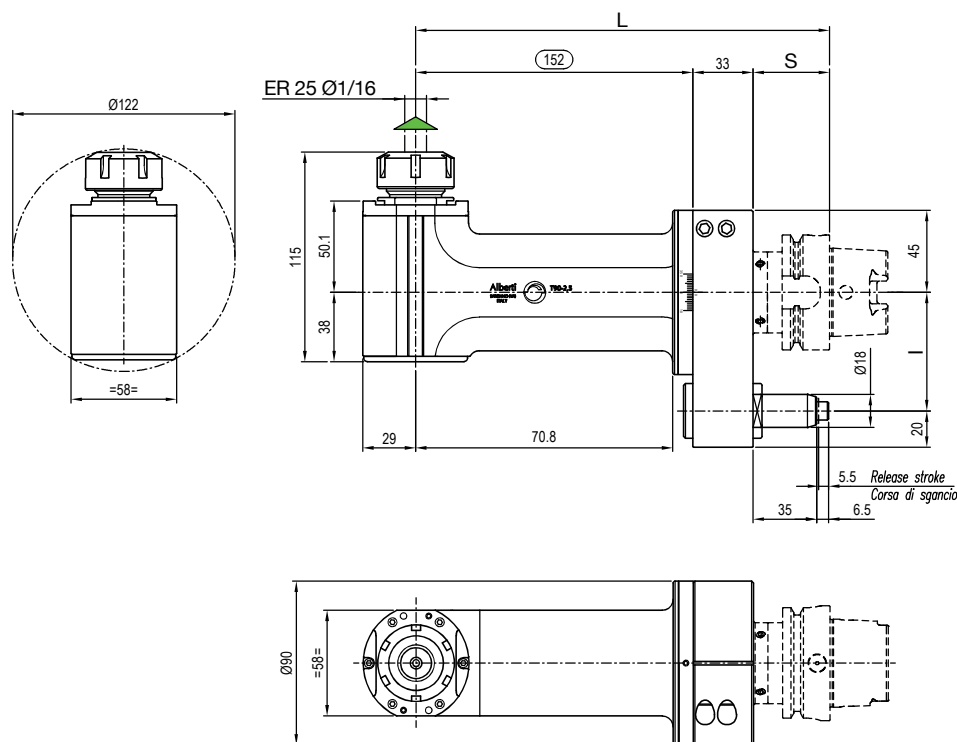


HSK-32

Quick Change
Attacco rapido

T90cn-2.5L Neo

ACT9025L



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



Weight
Peso
6.7 kg



Tapping
Maschiatura
Max. M12



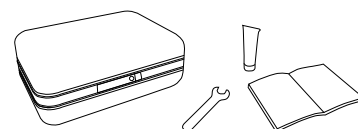
Collet
Pinza
ER-25 (Ø 1/16 mm)

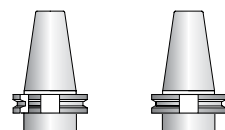
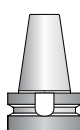
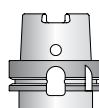
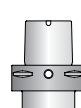
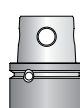


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

*** STANDARD EQUIPMENT includes:**

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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido



ER 25/ER 16

Double output
Doppia uscita

T90cn-2.5L Neo IC

ACT9025L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



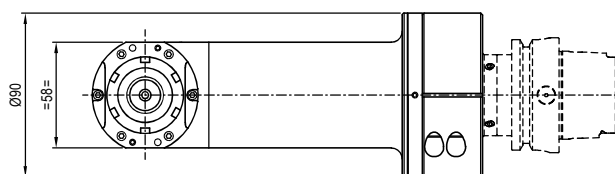
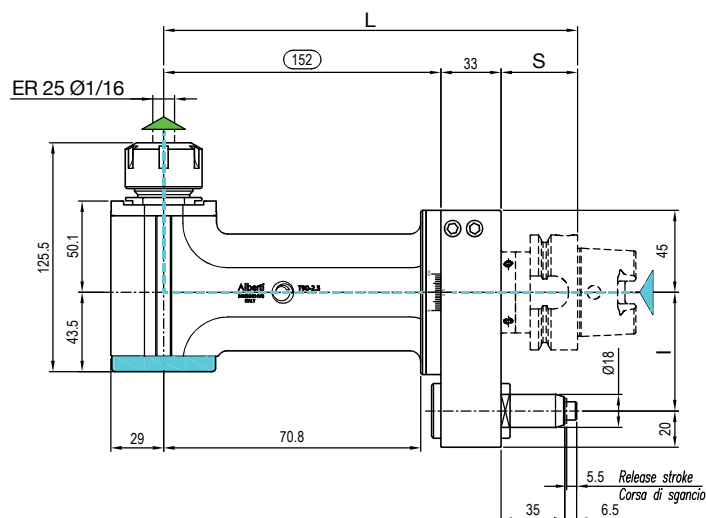
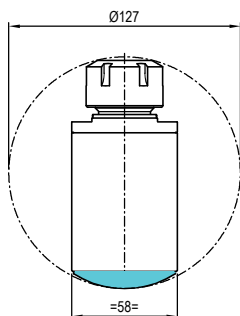
Weight
Peso
6.7 kg



Tapping
Maschiatura
Max. M12



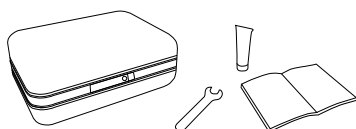
Collet
Pinza
ER-25 (ø 1/16 mm)



*** STANDARD EQUIPMENT includes:**

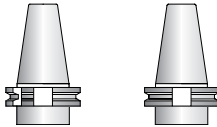
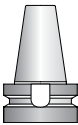
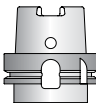
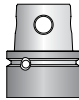
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon

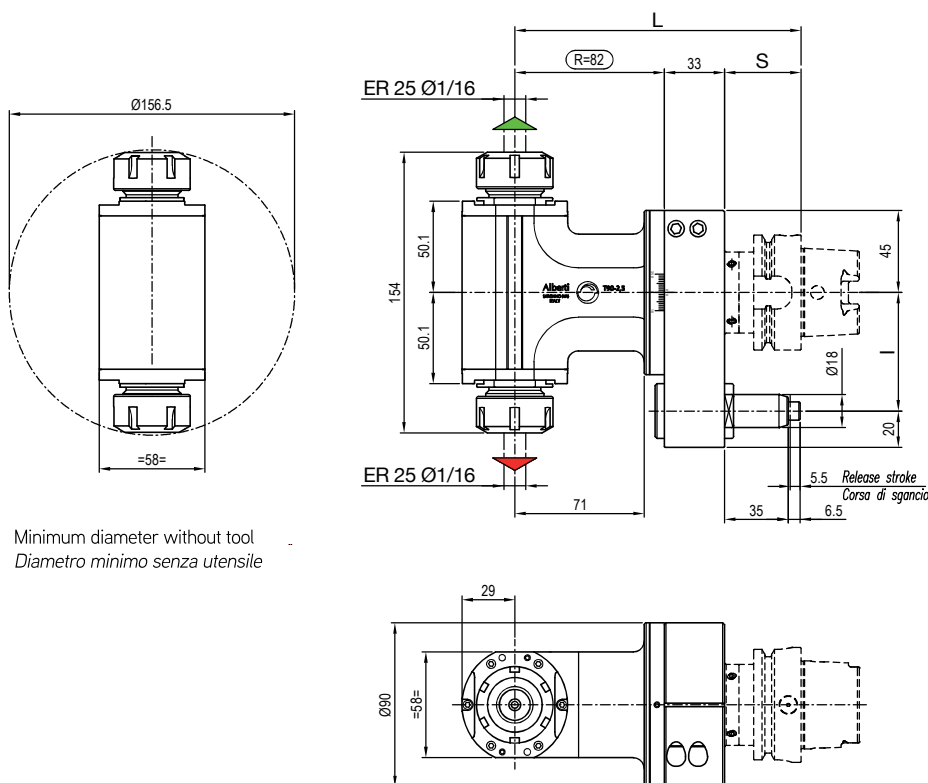


HSK-32

Quick Change
Attacco rapido

T90cn-2.5 2U Neo

ACT9025D



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
50 Nm



Weight
Peso
6.4 kg



Collet
Pinza
ER-25 (ø 1/16 mm)



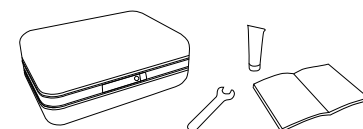
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



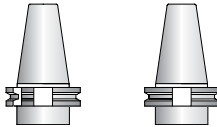
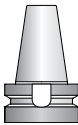
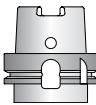
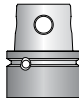
Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino



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



*** STANDARD EQUIPMENT includes:**

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon

TR90cn-2.5

ACTR925C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM OUTPUT
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



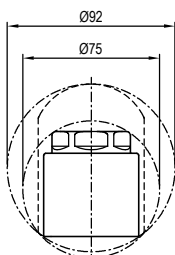
Torque
Momento torcente
30 Nm



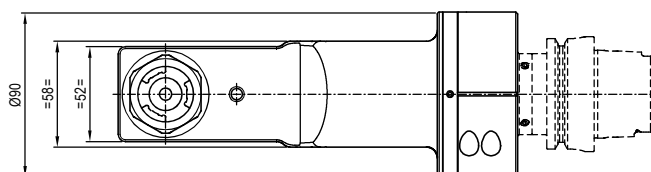
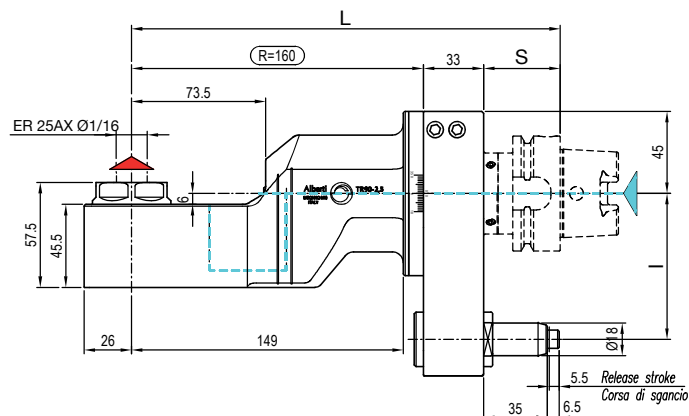
Weight
Peso
7.5 kg



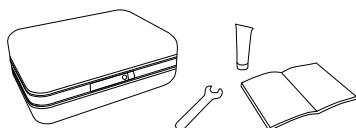
Collet
Pinza
ER-AX 25 (Ø 1-16 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



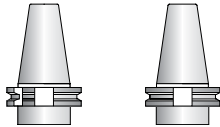
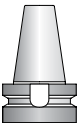
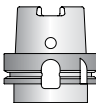
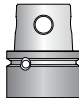
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

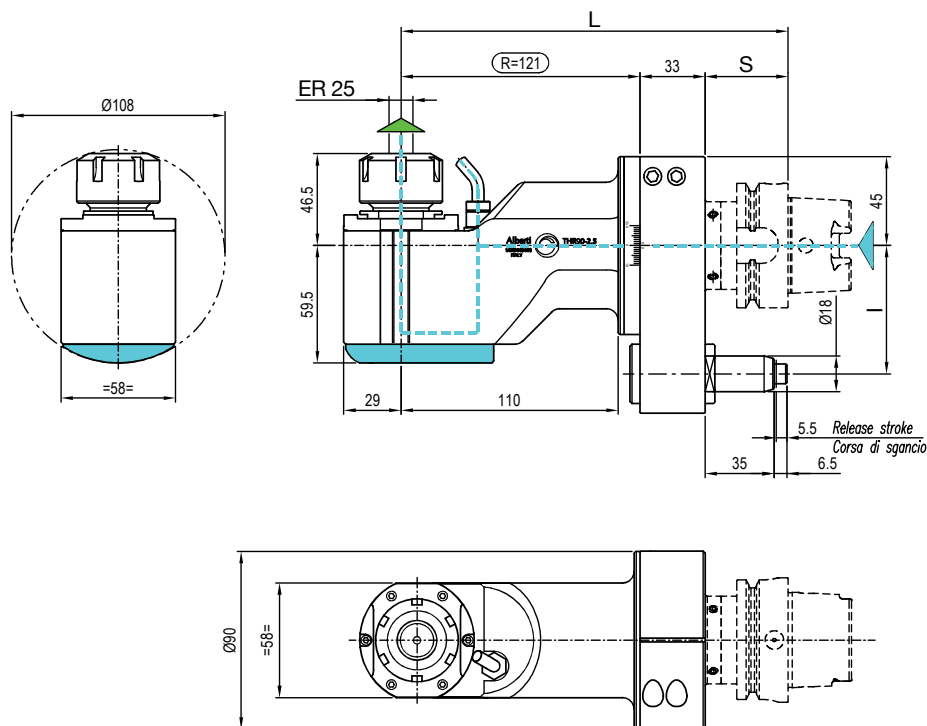


min⁻¹
8.000

RPM max.
RPM max.

THRcn-2.5 Neo IC

ACTHR925C.IC



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
40 Nm



Weight
Peso
6.5 kg



Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (Ø 1/16 mm)



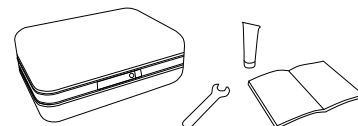
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

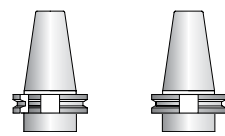
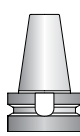
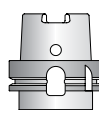
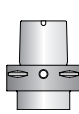
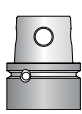


Direction of rotation same as machine spindle / senso di rotazione uguale al mandrino
Dry rotation is possible / rotazione a secco possibile



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

TCUcn-2.5 Neo

ACTCU25C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



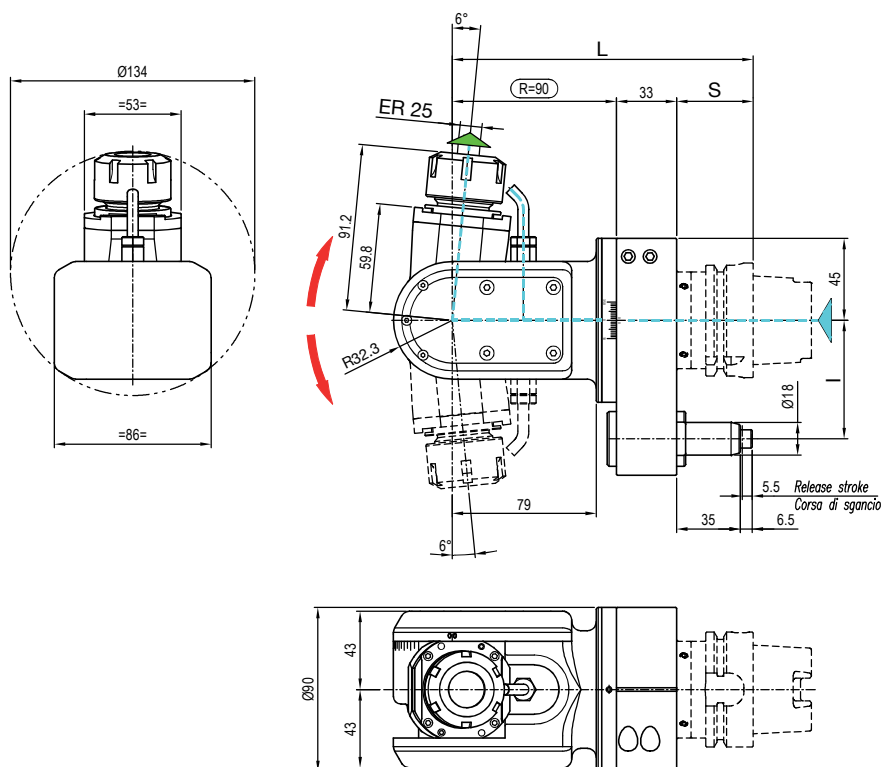
Weight
Peso
7 kg



Tapping
Maschiatura
Max. M12



Collet
Pinza
ER-25 (ø 1/16 mm)



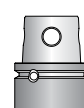
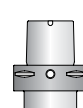
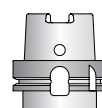
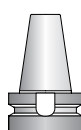
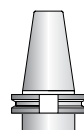
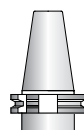
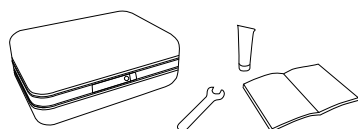
*** STANDARD EQUIPMENT includes:**

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo

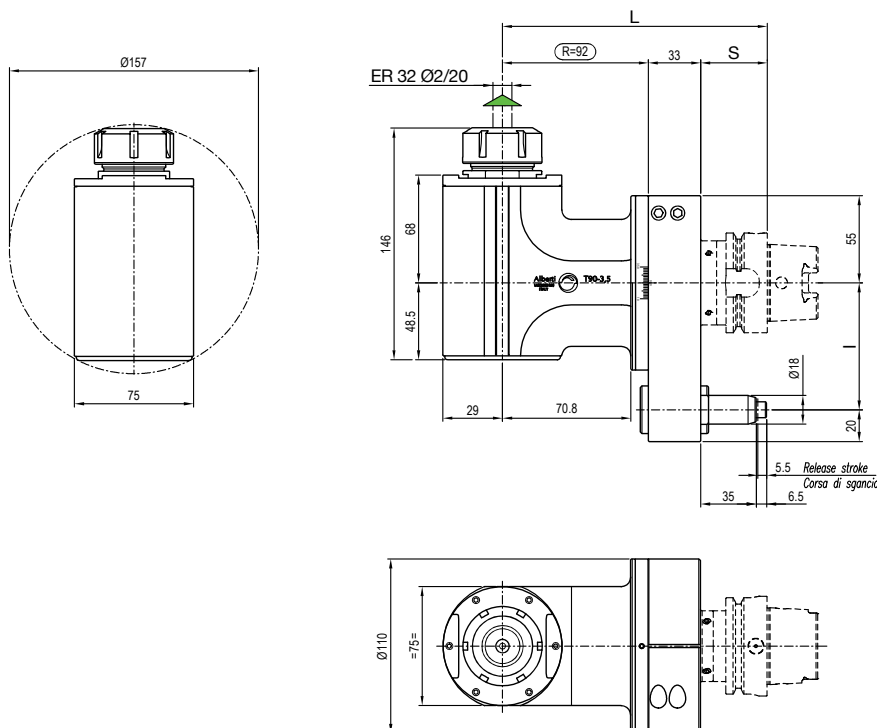


every
5°

Fixed positioning
Posizionamento fisso

T90cn-3.5C Neo

ACT9035C



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



Weight
Peso
11 kg



Tapping
Maschiatura
Max. M16



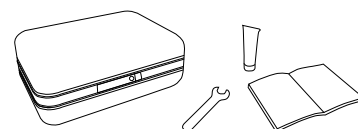
Collet
Pinza
ER-32 (ø 2/20 mm)

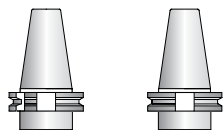
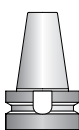
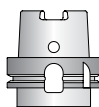
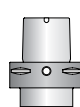
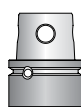


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido



ER 32/ER 20

Double output
Doppia uscita

T90cn-3.5C Neo IC

ACT9035C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



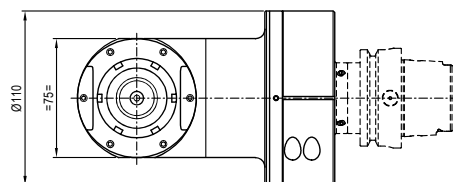
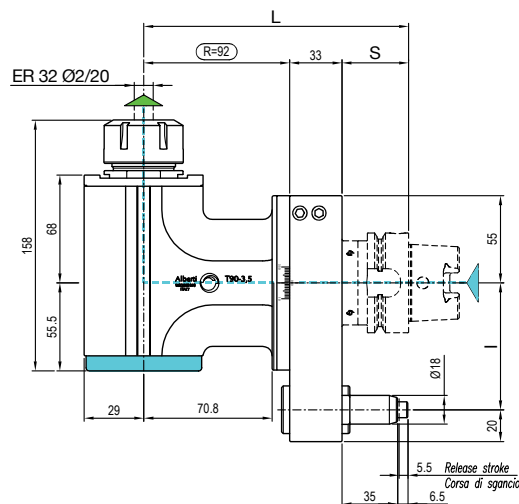
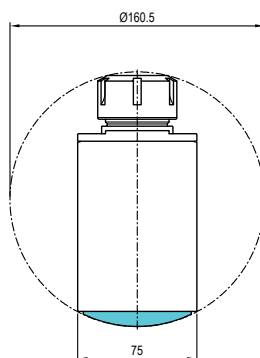
Weight
Peso
11 kg



Tapping
Maschiatura
Max. M16



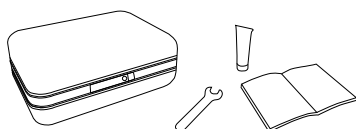
Collet
Pinza
ER-32 (ø 2/20 mm)



* STANDARD EQUIPMENT includes:

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon

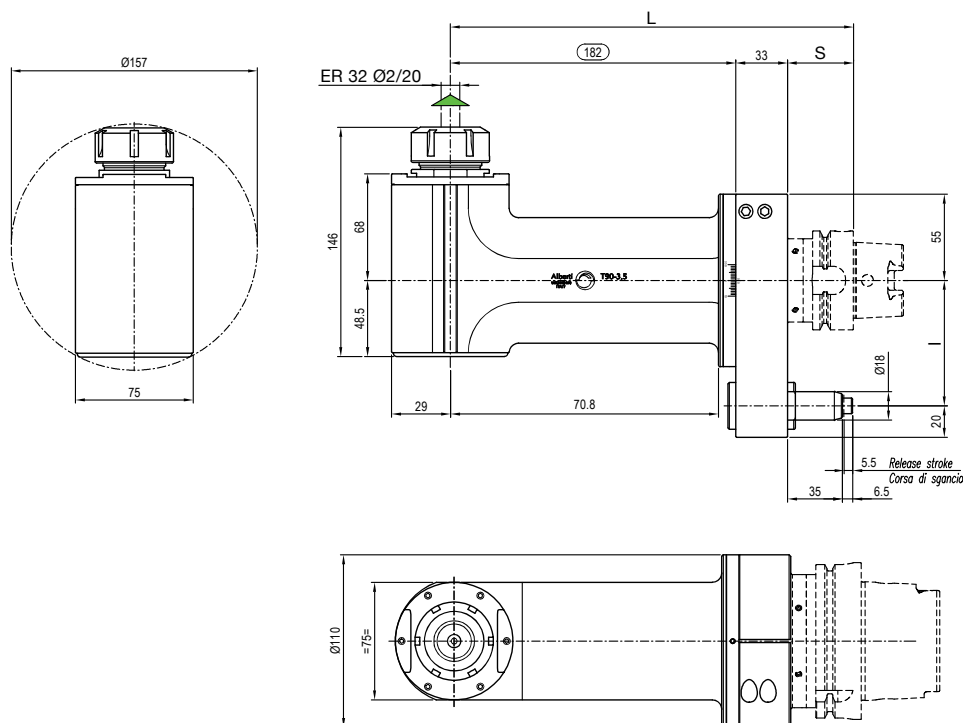


ISO-30 HSK-40

Quick Change
Attacco rapido

T90cn-3.5L Neo

ACT9035L



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
5.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



Weight
Peso
13.2 kg



Tapping
Maschiatura
Max. M16



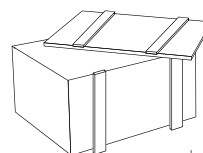
Collet
Pinza
ER-32 (Ø 2/20 mm)



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



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



*** STANDARD EQUIPMENT includes:**

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido



ER 32/ER 20

Double output
Doppia uscita

T90cn-3.5L Neo IC

ACT9035L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



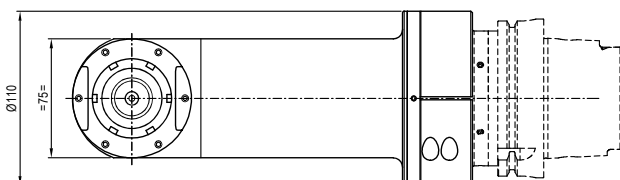
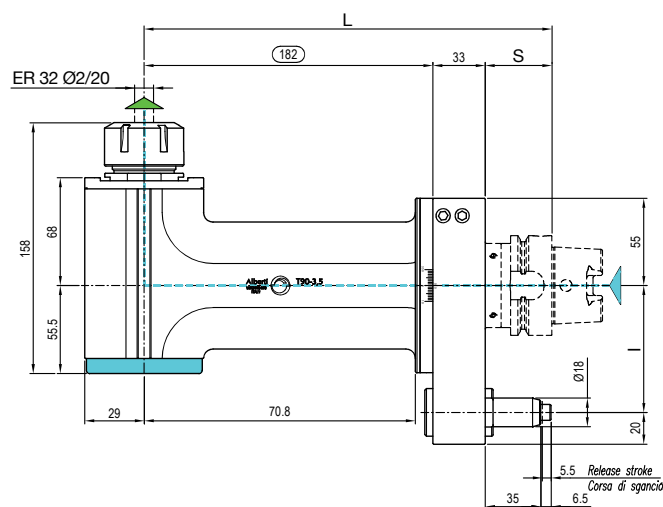
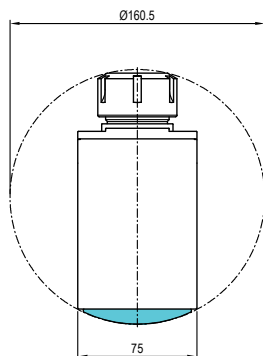
Weight
Peso
13.2 kg



Tapping
Maschiatura
Max. M16



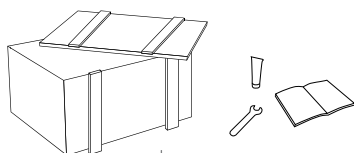
Collet
Pinza
ER-32 (ø 2/20 mm)



*** STANDARD EQUIPMENT includes:**

Retaining block / Tassello di ritegno / Stop-Block

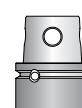
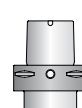
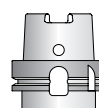
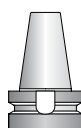
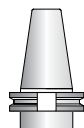
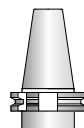
NOT INCLUDED - NON INCLUSO



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



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon

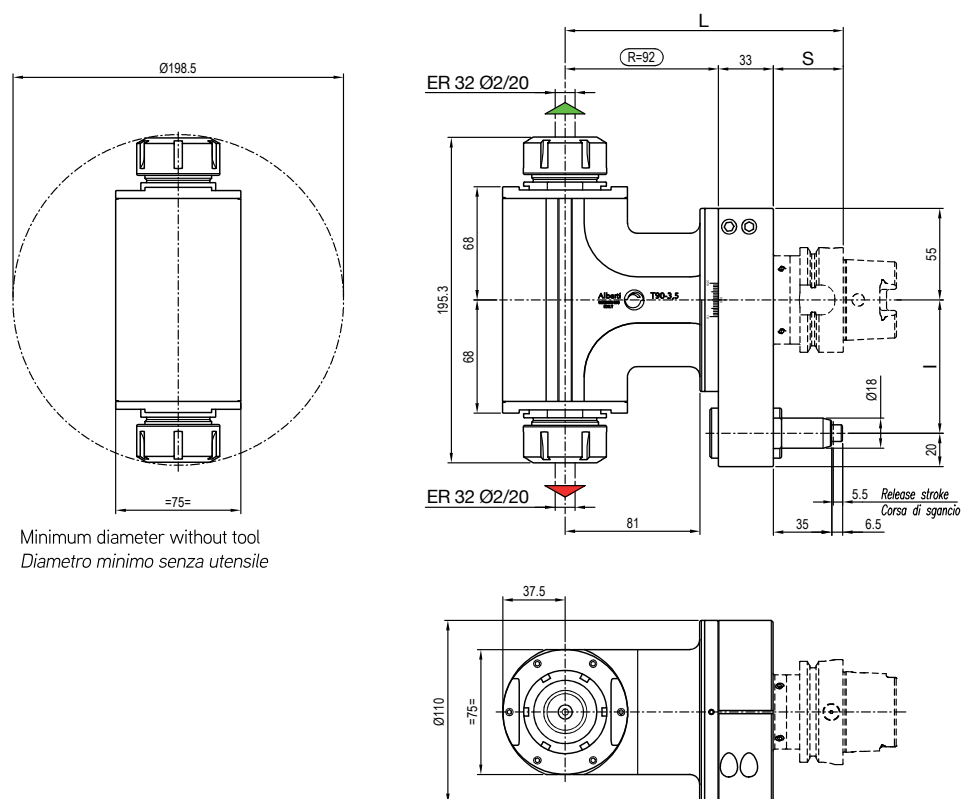


ISO-30 HSK-40

Quick Change
Attacco rapido

T90cn-3.5 2U Neo

ACT9035D



Minimum diameter without tool
Diametro minimo senza utensile

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
70 Nm



Weight
Peso
12 kg



Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT includes:**



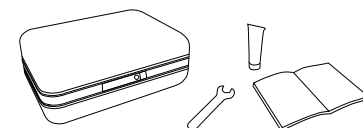
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



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



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido

TR90cn-3.5

ACTR935C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
910 N



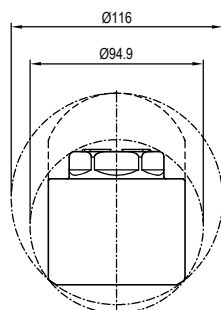
Torque
Momento torcente
50 Nm



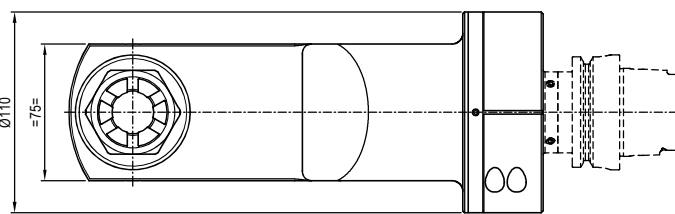
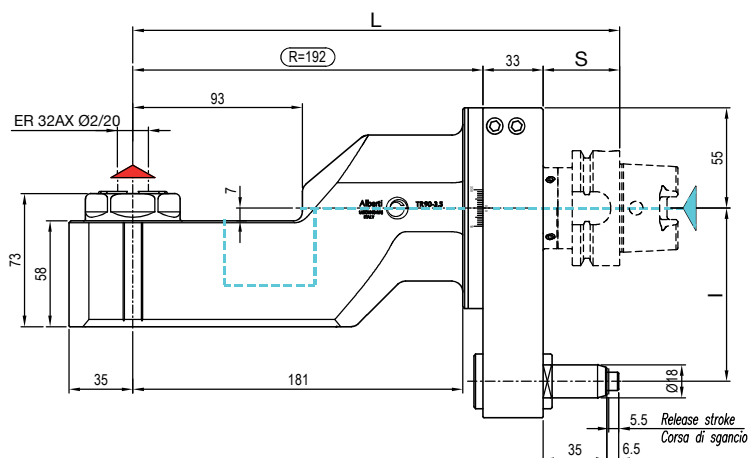
Weight
Peso
10 kg



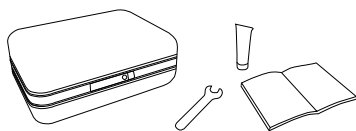
Collet
Pinza
ER-AX 32 (ø 2-20 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



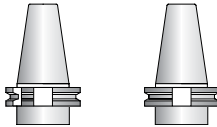
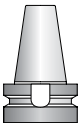
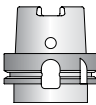
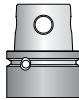
Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank / Coni di attacco non intercambiabili

Option / Opzione



bar max
100

Coolant through spindle
Refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



TCUcn-3.5 Neo

ACTCU35C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
715 N



Torque
Momento torcente
50 Nm



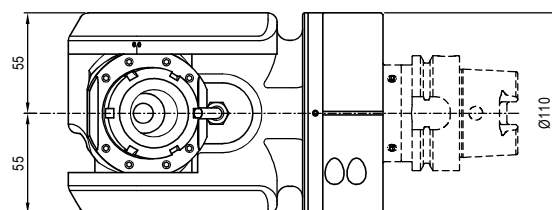
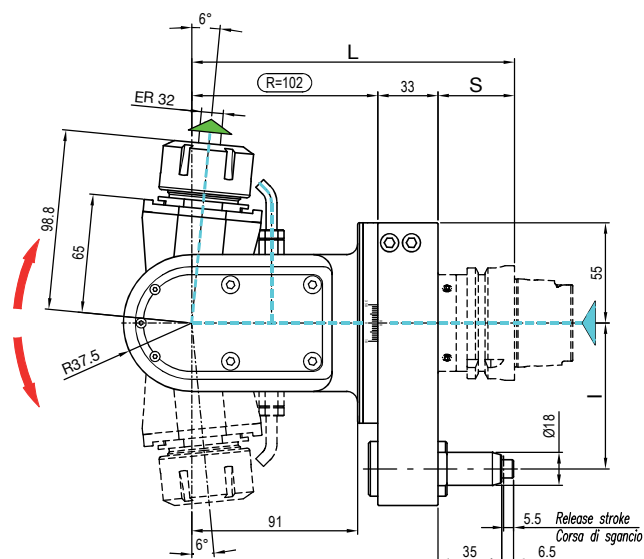
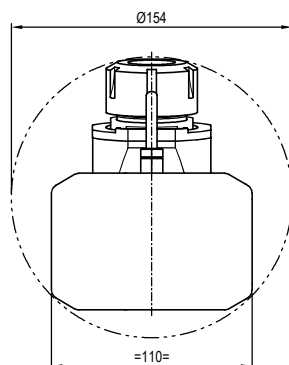
Weight
Peso
13 kg



Tapping
Maschiatura
Max. M16



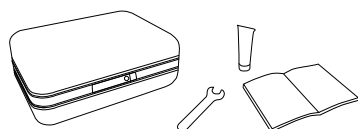
Collet
Pinza
ER-32 (ø 2/20 mm)



*** STANDARD EQUIPMENT includes:**

Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



bar max
100

Coolant through spindle
Adduzione refrigerante attraverso il cono



min⁻¹
6.000

RPM max.
RPM max.



+/- 95°

Angle
Angolo

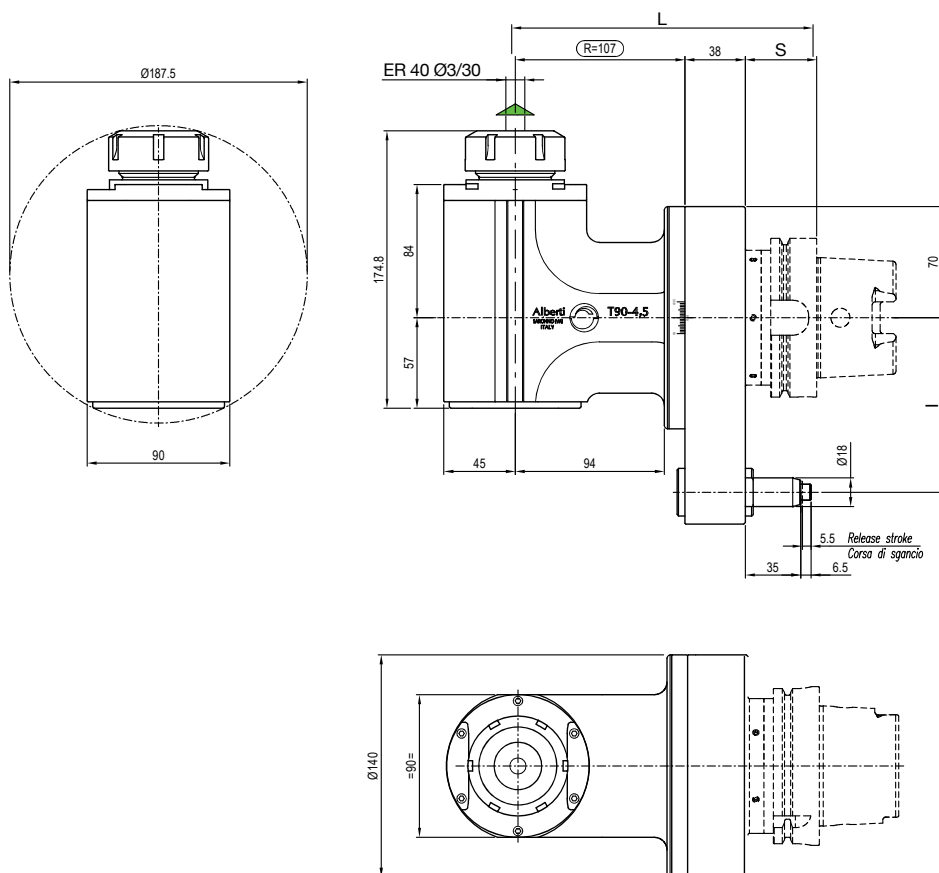


every
5°

Fixed positioning
Posizionamento fisso

T90cn-4.5C Neo

ACT9045C



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



Weight
Peso
17 kg



Tapping
Maschiatura
Max. M20

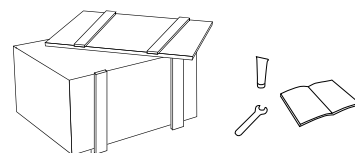


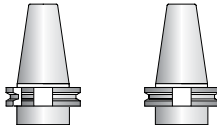
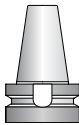
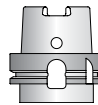
Collet
Pinza
ER-40 (Ø 3/30 mm)

*** STANDARD EQUIPMENT includes:**



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40 / CAPTO C4

Quick Change
Attacco rapido



ER 40/ER 25

Double output
Doppia uscita

T90cn-4.5C Neo IC

ACT9045C.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



Weight
Peso
17 kg

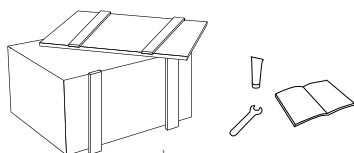
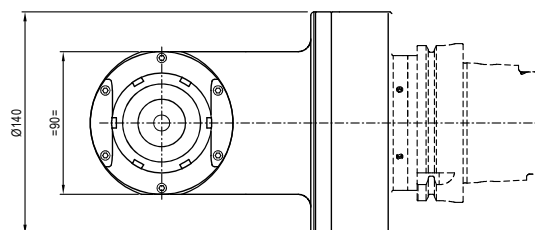
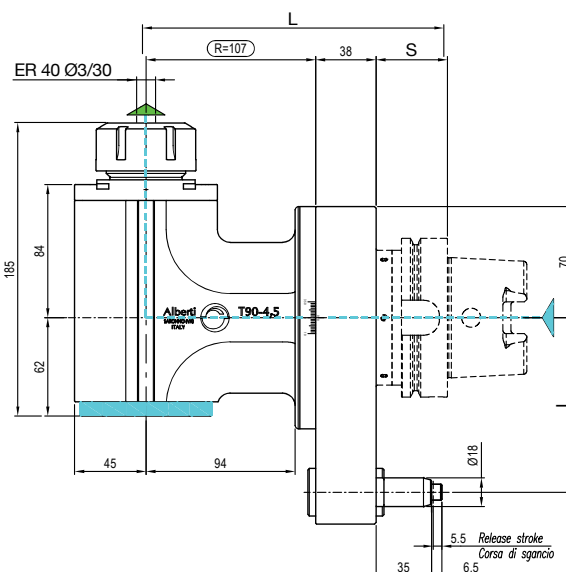
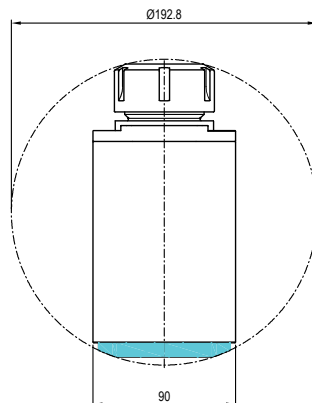


Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 mm)

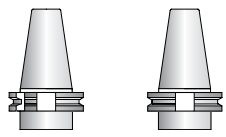
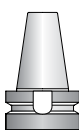
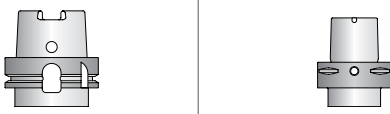
*** STANDARD EQUIPMENT includes:**



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



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

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

Weldon output
Weldon

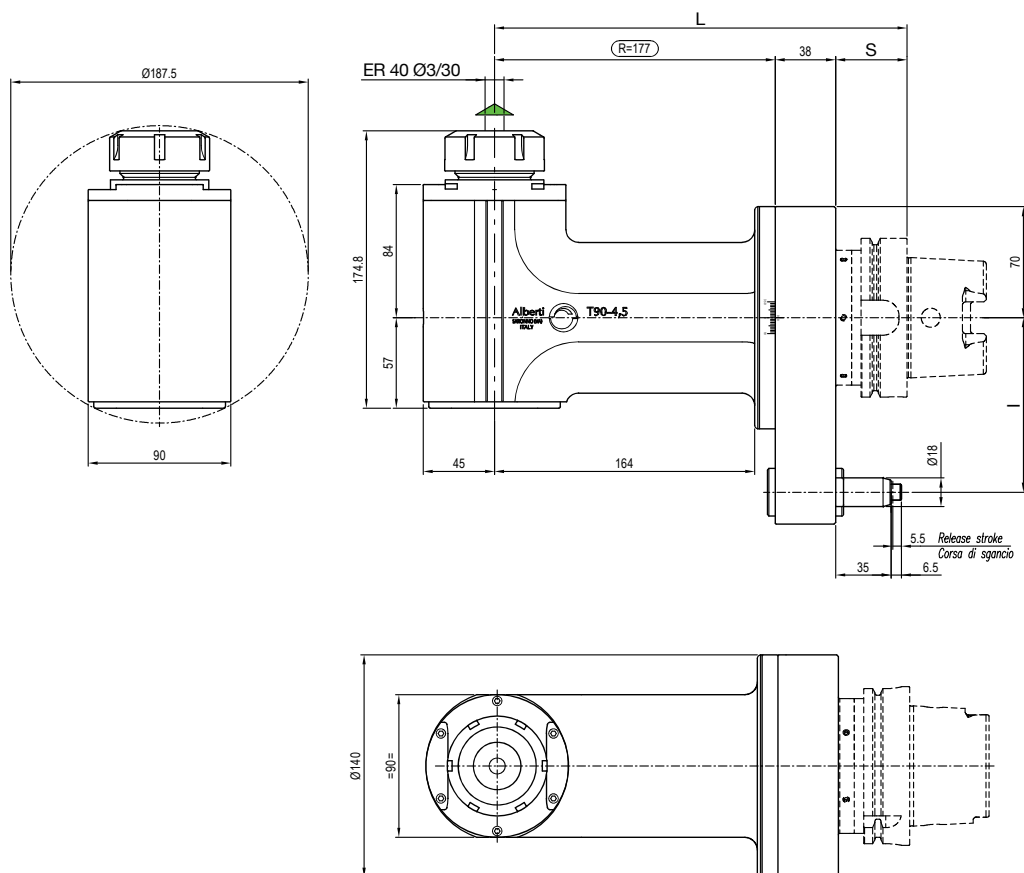


HSK-40 / CAPTO C4

Quick Change
Attacco rapido

T90cn-4.5L Neo

ACT9045L



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



Weight
Peso
20 kg



Tapping
Maschiatura
Max. M20

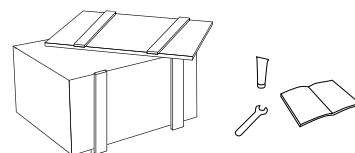


Collet
Pinza
ER-40 (Ø 3/30 mm)

*** STANDARD EQUIPMENT includes:**



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40 / CAPTO C4

Quick Change
Attacco rapido



ER 40/ER 25

Double output
Doppia uscita

T90cn-4.5L Neo IC

ACT9045L.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
90 Nm



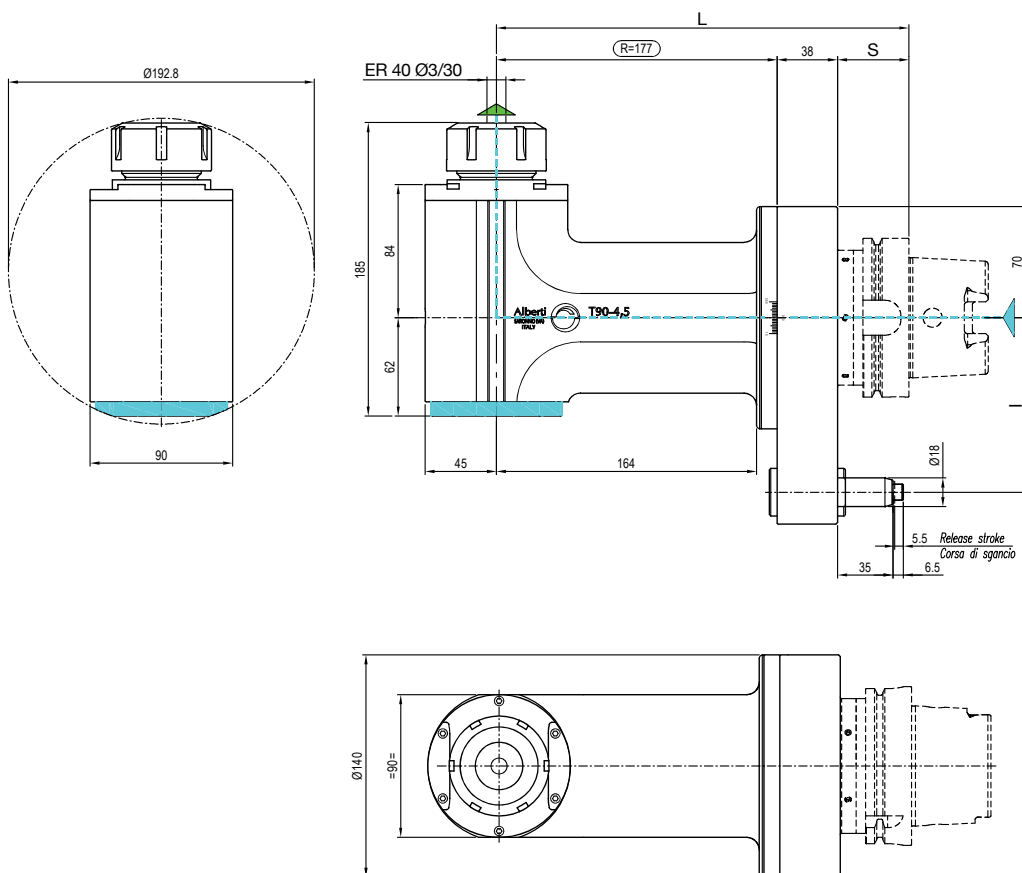
Weight
Peso
20 kg



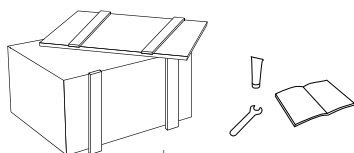
Tapping
Maschiatura
Max. M20



Collet
Pinza
ER-40 (ø 3/30 mm)



*** STANDARD EQUIPMENT includes:**



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



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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40 / CAPTO C4

Quick Change
Attacco rapido



TR90cn-4.5

ACTR945C

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



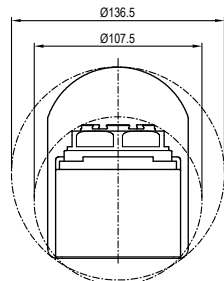
Torque
Momento torcente
90 Nm



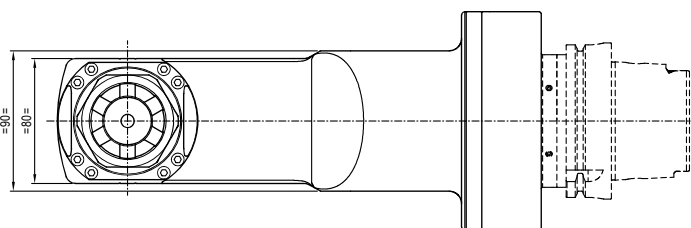
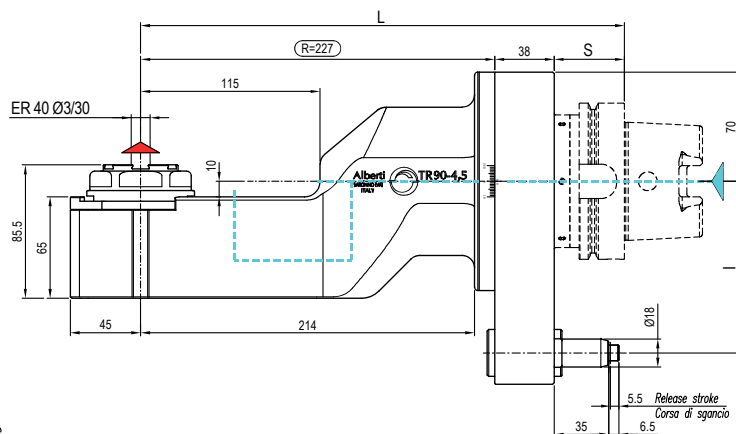
Weight
Peso
20 kg



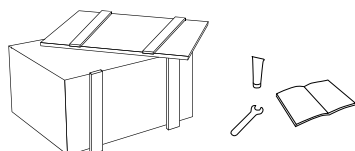
Collet
Pinza
ER-40 (ø 3/30 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT includes:**



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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

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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
100

Coolant through spindle
Refrigerante attraverso il cono

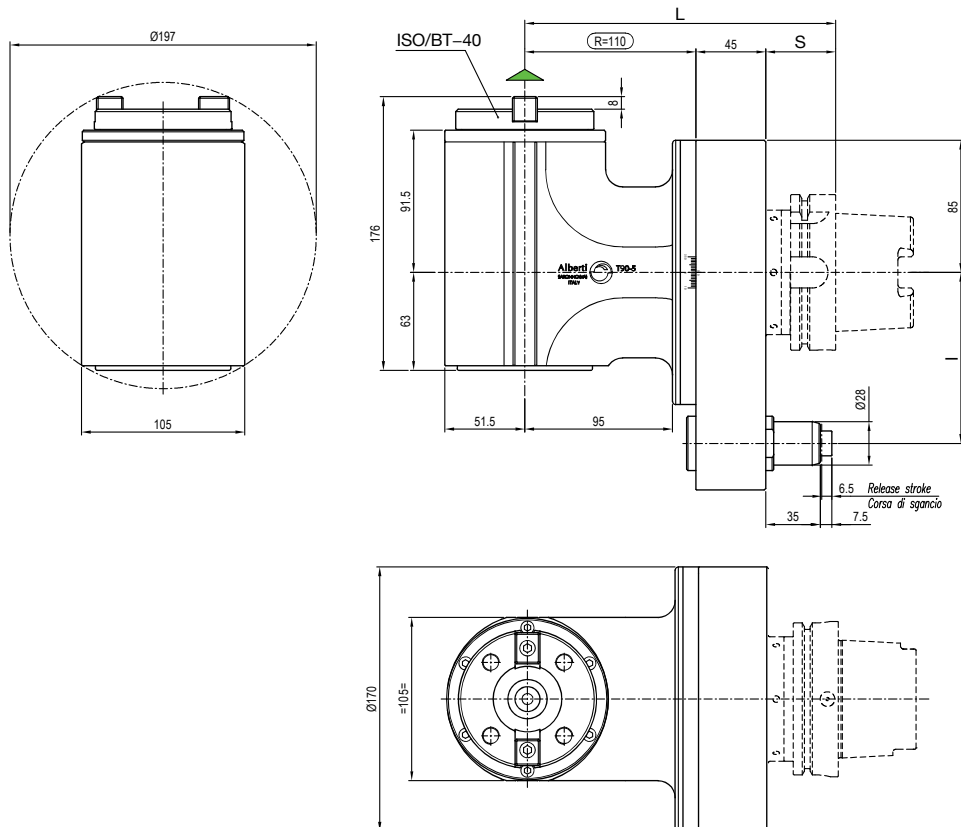


min⁻¹
6.000

RPM max.
RPM max.

T90cn-5 Neo

ACT905HP



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



Weight
Peso
22 kg



Tapping
Maschiatura
Max. M24

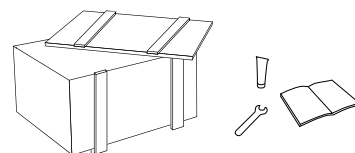


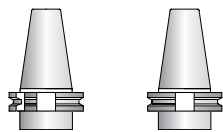
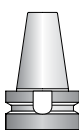
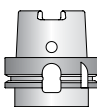
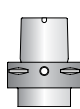
Collet
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5C Neo IC

ACT905HP.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



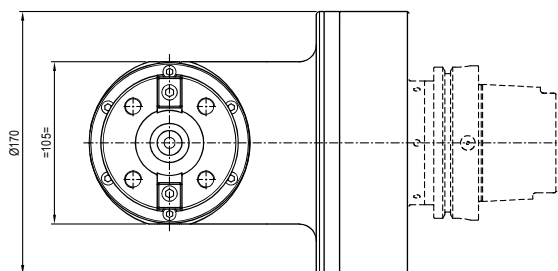
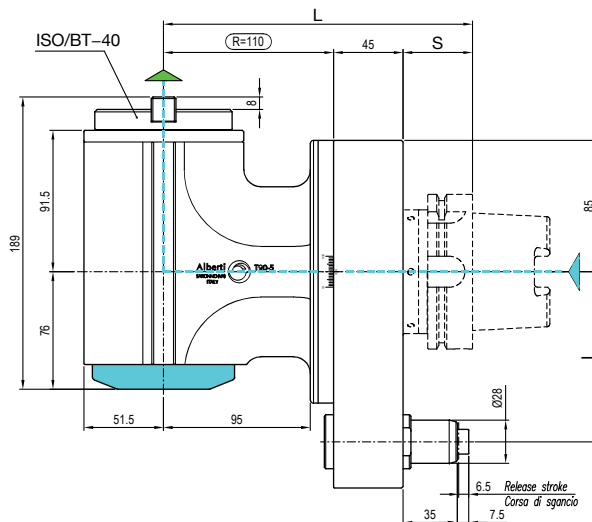
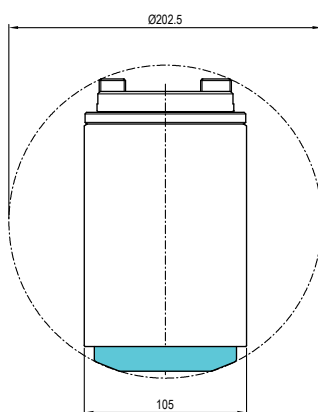
Weight
Peso
22 kg



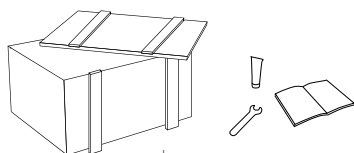
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



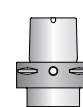
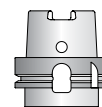
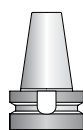
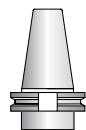
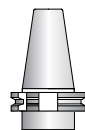
*** STANDARD EQUIPMENT includes:**



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



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione

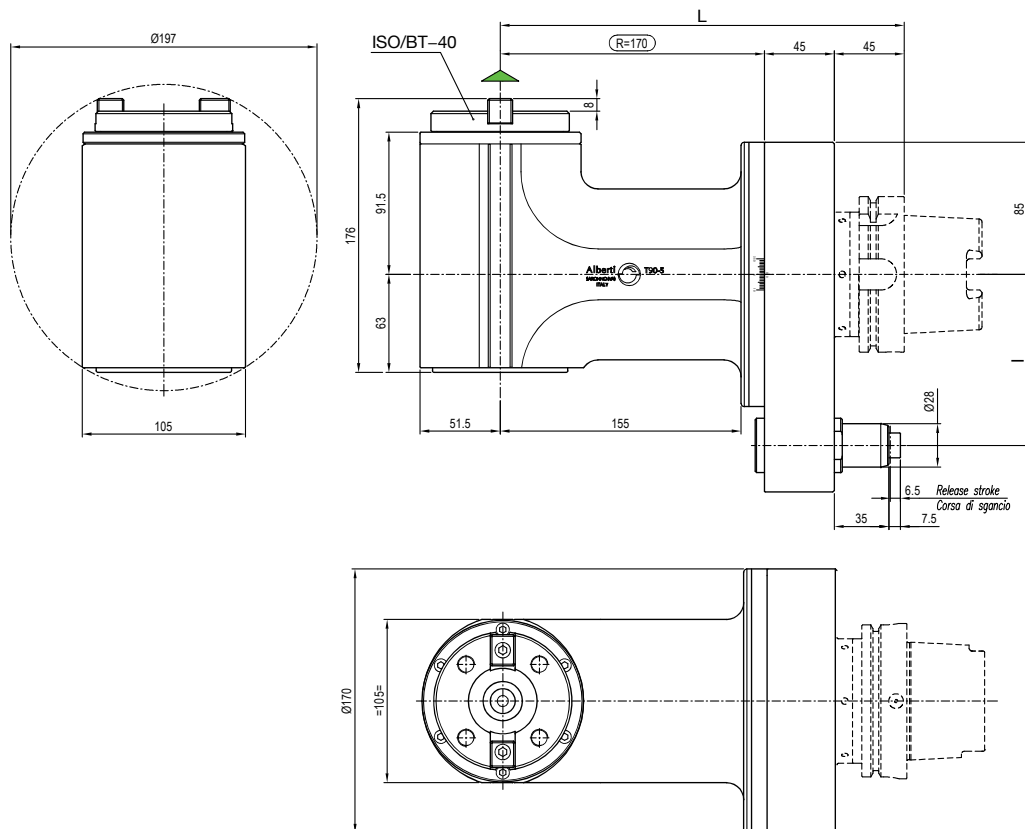


HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5L Neo

ACT905LHP



Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



Weight
Peso
26,2 kg



Tapping
Maschiatura
Max. M24

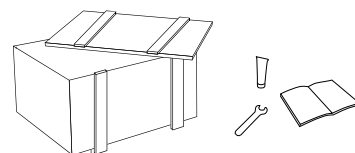


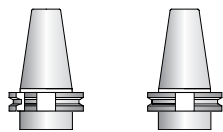
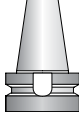
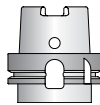
Collet
Pinza
ISO/BT 40

*** STANDARD EQUIPMENT includes:**



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



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

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

*optional

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido

T90cn-5L Neo IC

ACT905LHP.IC

Technical data

Caratteristiche tecniche



Ratio
Rapporto
1:1



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



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm



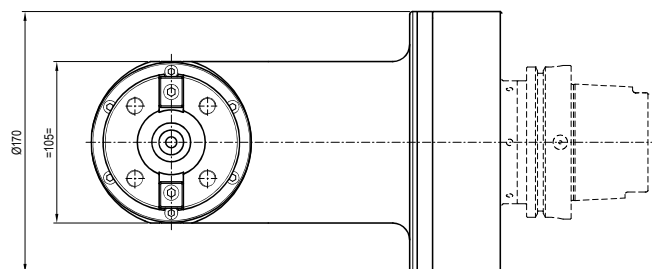
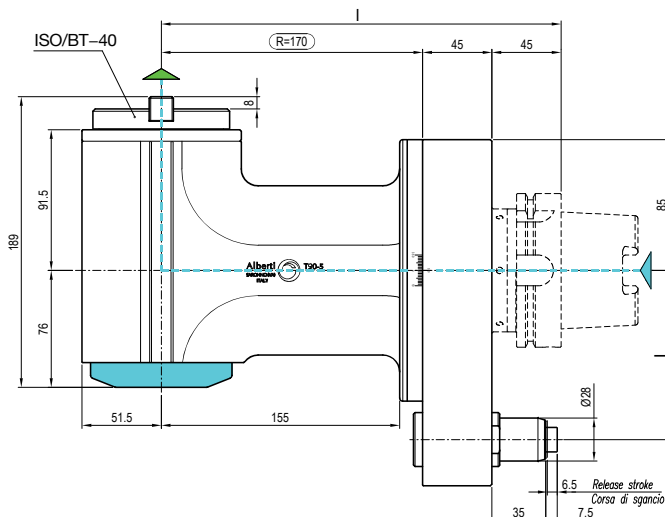
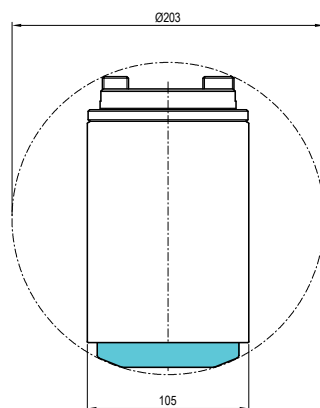
Weight
Peso
26,2 kg



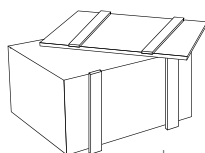
Tapping
Maschiatura
Max. M24



Collet
Pinza
ISO/BT 40



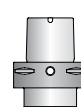
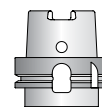
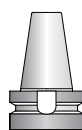
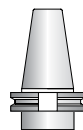
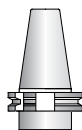
*** STANDARD EQUIPMENT includes:**



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



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



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

Dual contact spindles available / Disponibilità coni a doppio contatto

*optional

Option / Opzione



HSK-63 / CAPTO C4 C5 C6

Quick Change
Attacco rapido