



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



Dimensioni STOP BLOCK per teste

Dimensions STOP BLOCK for heads

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



Dimensioni STOP BLOCK per teste

Dimensions STOP BLOCK for heads

T90cn-5

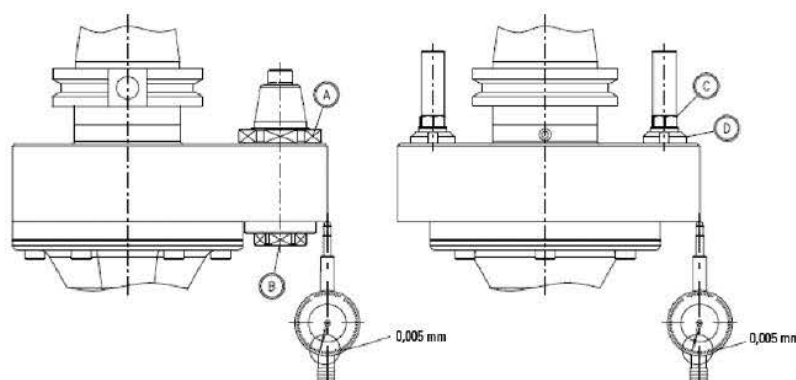
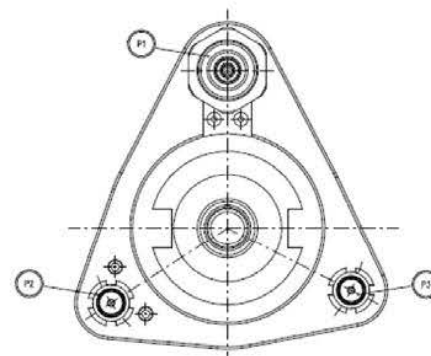


SUPPORTO 3 PUNTI 3 POINT SUPPORT

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.



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
Adjustable conical pin
and stop block

C

Cod: 5951800073

Perno e stop block
conico regolabile
Conical pin and
stop block

D

Cod: 4951800091

Perno e stop
block prismatico
Prismatic pin
and stop block

E

Perno flottante
Floating pin

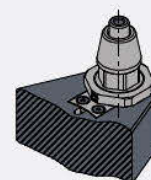
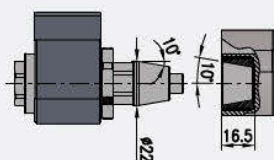
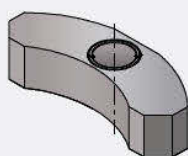
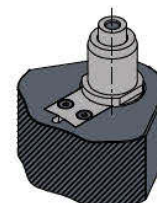
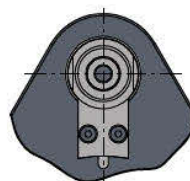
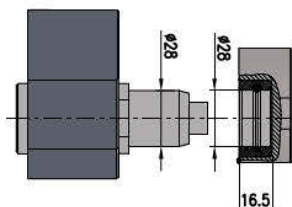
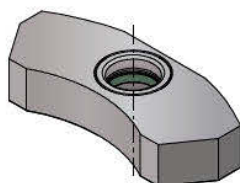
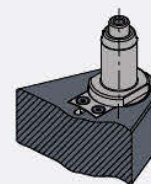
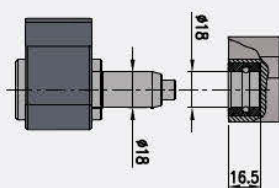
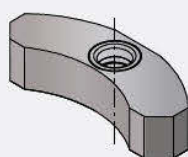
F

Perno maschio speciale
Special male pin

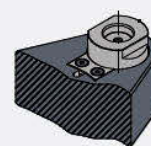
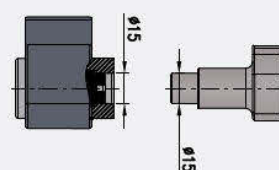
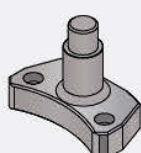
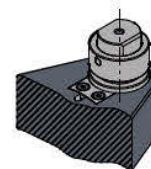
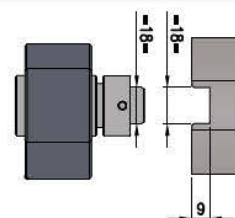
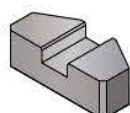
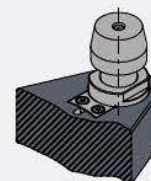
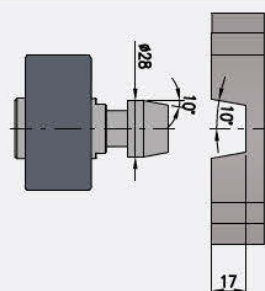
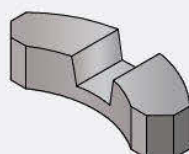
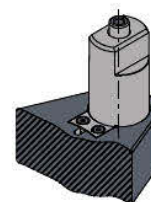
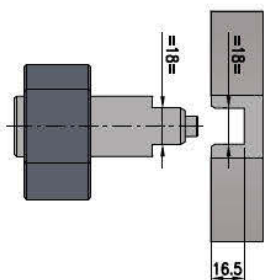
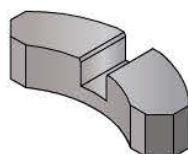
G

Perno femmina speciale
Special female pin

LINEA CONTROL



Perno regolabile
Adjustable pin



T90cn-0,4

ACTC9004C



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
100 N



Torque
Momento torcente
4 Nm

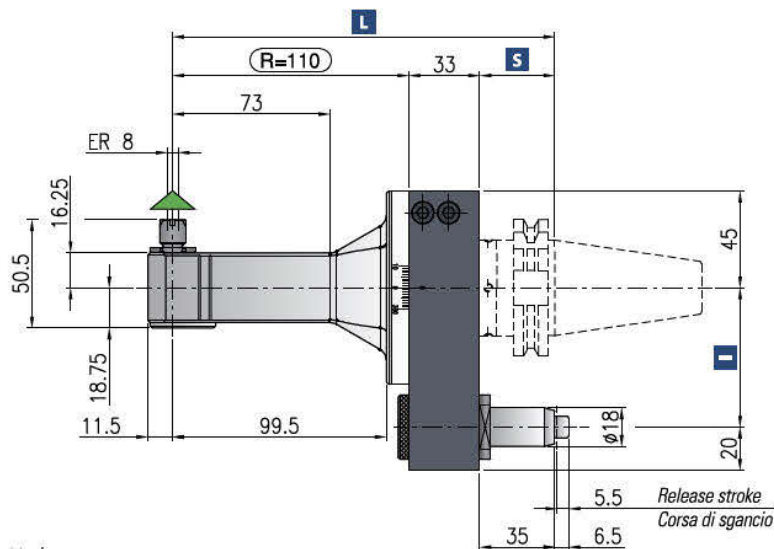


Weight
Peso
4 kg

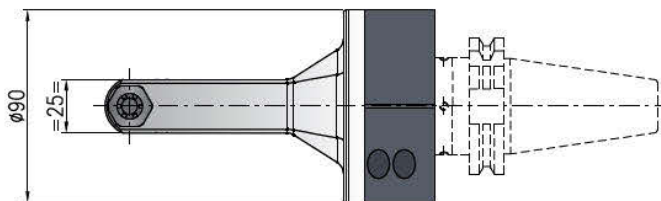
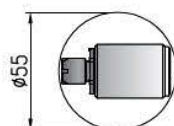


Collet
Pinza
ER-8 (ø 0,5/5 mm)

* STANDARD EQUIPMENT INCLUDES:



Minimum diameter without tool
Diametro minimo senza utensile



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



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

									
Shank/ <i>Cono</i>	DIN-69871	CAT	MAS-BT	HSK	CAPTO	KM			
Size/ <i>Grandezza</i>	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

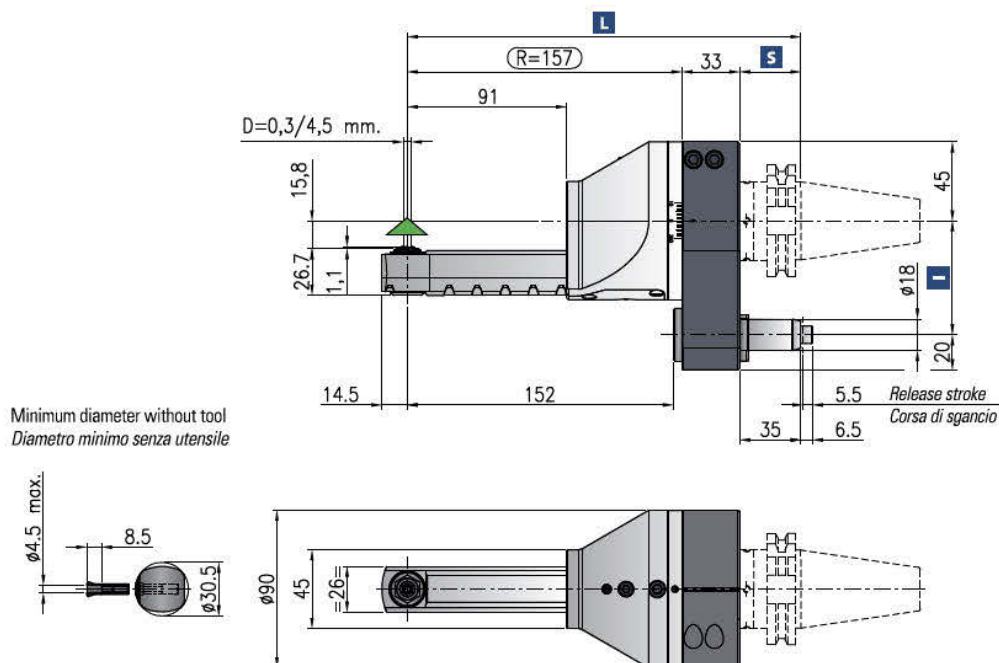


Ø mm max.
6

Weld on output
Weldon

TR90cn-0,4

ACTR904C



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max

12

Coolant through pin
Adduzione refrigerante attraverso il perno



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
8 Nm



Weight
Peso
4 kg

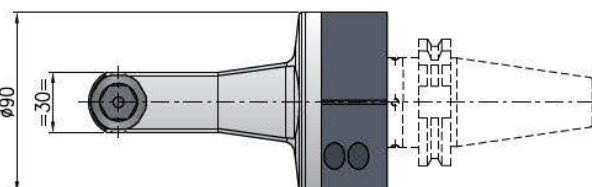
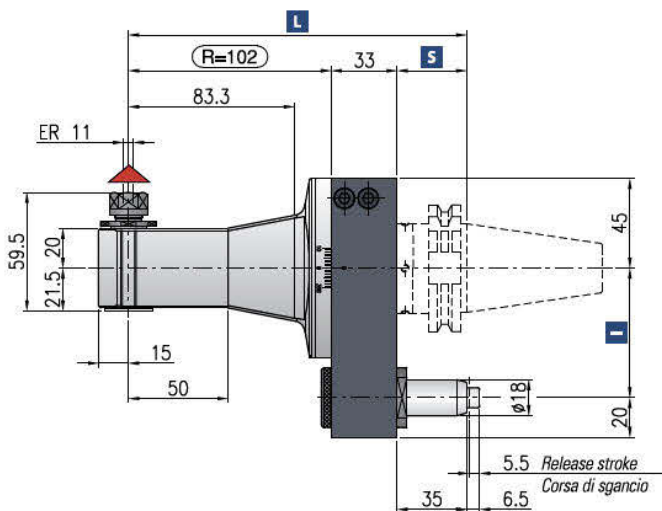
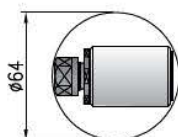


Collet
Pinza
ER-11 (ø 0,5/7 mm)

* STANDARD EQUIPMENT INCLUDES:



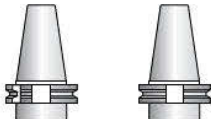
Minimum diameter without tool
Diametro minimo senza utensile



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



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

										
Shank/ <i>Cono</i>	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM	
Size/ <i>Grandezza</i>	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	170	170	170	176	177	180	173	175	175	

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
Refrigerante attraverso il perno



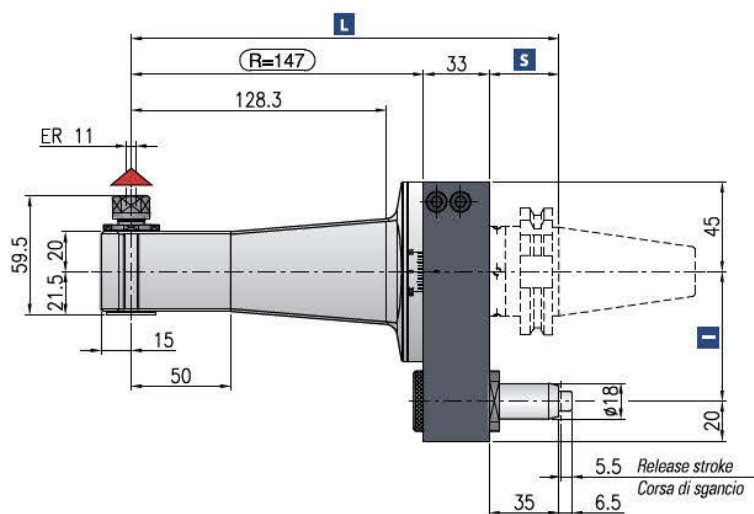
Ø mm max.
Ø 0,5 / 7mm
ERAX-11



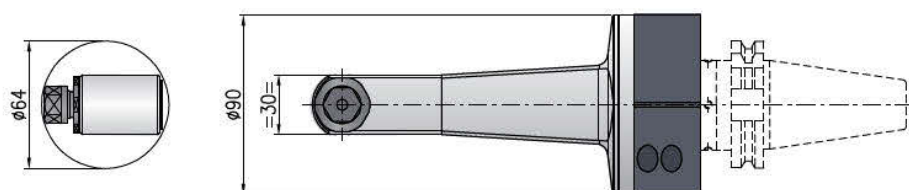
Ø mm max.
6
Weldon output
Weldon

T90cn-0,5L

ACT9005L



Minimum diameter without tool
Diametro minimo senza utensile



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

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



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
150 N



Torque
Momento torcente
8 Nm



Weight
Peso
4,3 kg



Collet
Pinza
ER-11 (Ø 0,5/7 mm)

*** 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	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	215	215	215	221	222	225	218	220	220

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.
Ø 0,5 / 7mm

ERAX-11



Ø mm max.
6

Weldon output
Weldon



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



Max. axial load
Max. carico assiale
120 N



Torque
Momento torcente
8 Nm



Weight
Peso
2,7 Kg

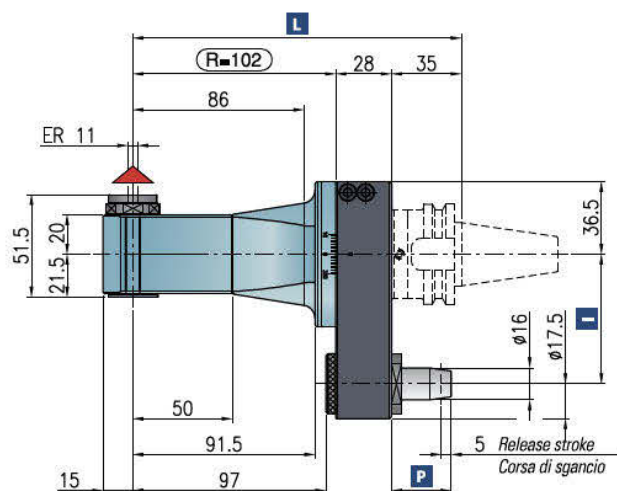


Collet
Pinza
ERAX-11 (ø 0,5/7 mm)

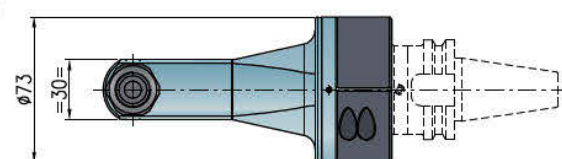
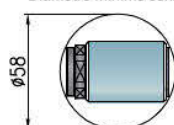


Shank
Cono
ISO 30DIN-69871/BT-30

* STANDARD EQUIPMENT INCLUDES:



Minimum diameter without tool
Diametro minimo senza utensile



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



	FANUC ROBODRILL	BROTHER S2D	BROTHER TC-32	BROTHER R450X1	BROTHER S500 S700 S1000	DMG MORI MILLTAP 700
I	65	80	80	50	80	65
P	24	24	30	24	25,75	24
L	165	165	165	165	165	165

Dual contact spindles available / Disponibilità coni a doppio contatto



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

Opzione / Option



AIR/OIL

Air / oil lubrication
Lubrificazione aria / olio

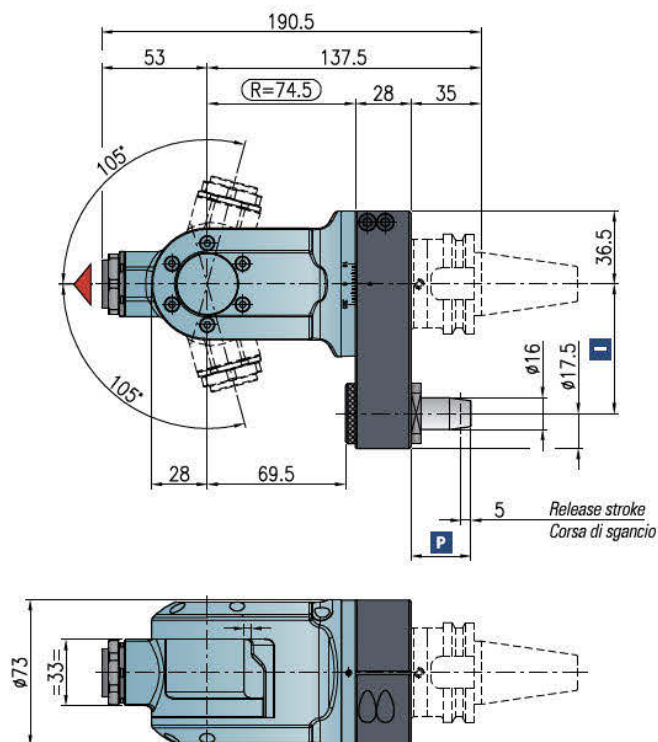


bar max
12

Coolant through pin
Refrigerante attraverso il perno

TCUcn-0,5M Aluminum

ACTCU05C.ALU



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

	FANUC ROBODRILL	BROTHER S2D	BROTHER TC-32	BROTHER R450X1	BROTHER S500 S700 S1000	DMG MORI MILLTAP 700
I	65	80	80	50	80	65
P	24	24	30	24	25,75	24

Dual contact spindles available / Disponibilità coni a doppio contatto

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

- Ratio
Rapporto
1:1.5 (Speeder)
- RPM OUTPUT
Velocità
6.000 min⁻¹
- Max. axial load
Max carico assiale
215N
- Torque
Momento torcente
8 Nm
- Weight
Peso
2,8 Kg
- Collet
Pinza
ERAX-11 (ø 0,5/7 mm)
- Shank
Cono
ISO 30DIN-69871/BT-30

* STANDARD EQUIPMENT INCLUDES:



Opzione / Option



bar max

12

Coolant through pin
Refrigerante attraverso il perno

TR90cn-0,5

ACTR905C



Ratio OUTPUT
Rapporto

1:2 speeder



RPM OUTPUT
Velocità

8.000 min⁻¹



Max. axial load
Max. carico assiale

200 N



Torque
Momento torcente

8 Nm



Weight
Peso

6 kg



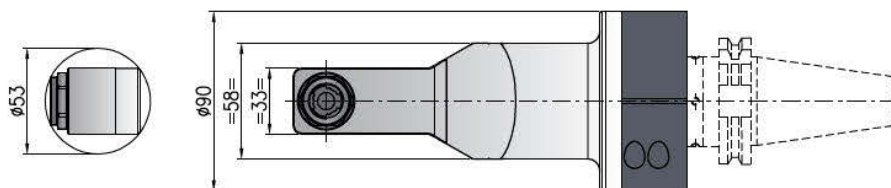
Collet
Pinza

ER-AX-11 (ø 0,5/7 mm)

*** STANDARD EQUIPMENT INCLUDES:**



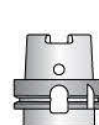
Minimum diameter without tool
Diametro minimo senza utensile



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



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



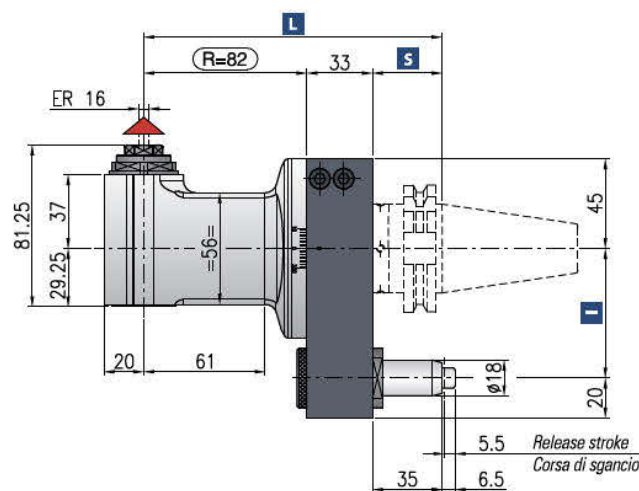
bar max

12

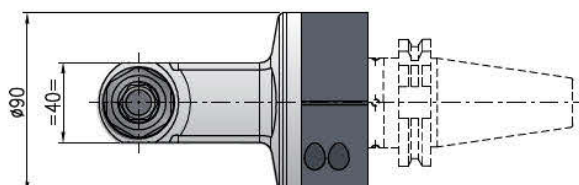
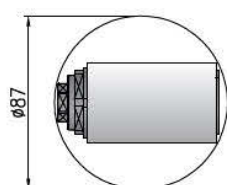
Coolant through pin
Adduzione refrigerante attraverso il perno

T90cn-1,5

ACT9015C



Minimum diameter without tool
Diametro minimo senza utensile



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

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



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



Weight
Peso
4,3 kg



Collet
Pinza
ER-16 (Ø 1/10 mm)

*** 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	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin and spindle
Refrigerante interno attraverso utensile



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER-16/ER-11

Double output
Doppia uscita

T90cn-1,5L

ACT9015L



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



Weight
Peso
5,2 kg

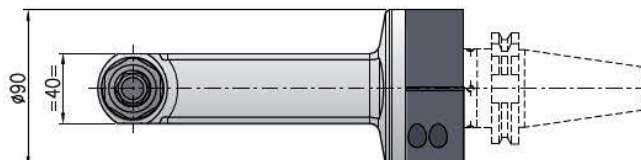
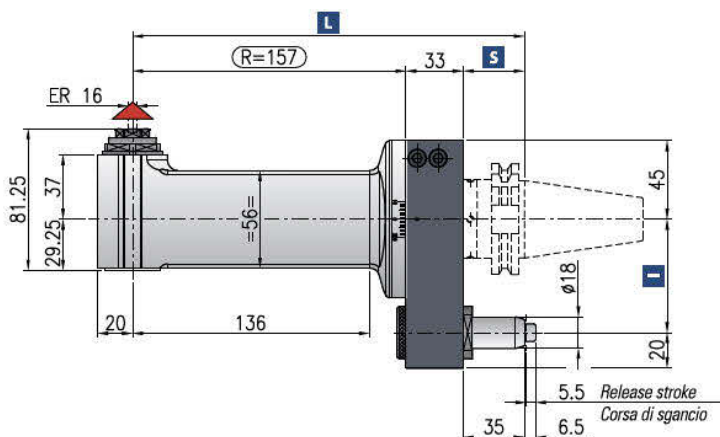
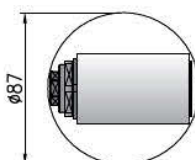


Collet
Pinza
ER-16 (ø 1/10 mm)

* STANDARD EQUIPMENT INCLUDES:



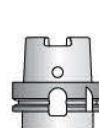
Minimum diameter without tool
Diametro minimo senza utensile



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



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin and spindle
Refrigerante interno attraverso utensile



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon

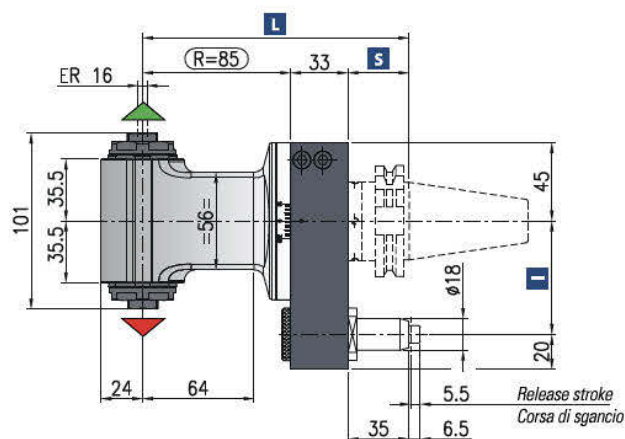


ER-16/ER-11

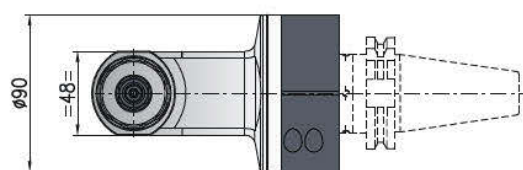
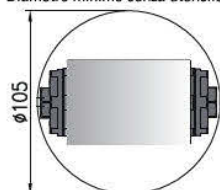
Double output
Doppia uscita

T90cn-1,5 2U

ACT9015D



Minimum diameter without tool
Diametro minimo senza utensile



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

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



Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



Weight
Peso
4,3 kg



Collet
Pinza
ER-16 (Ø 1/10 mm)

*** 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	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	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

Opzione / Option



Ø mm
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER-16/ER-11

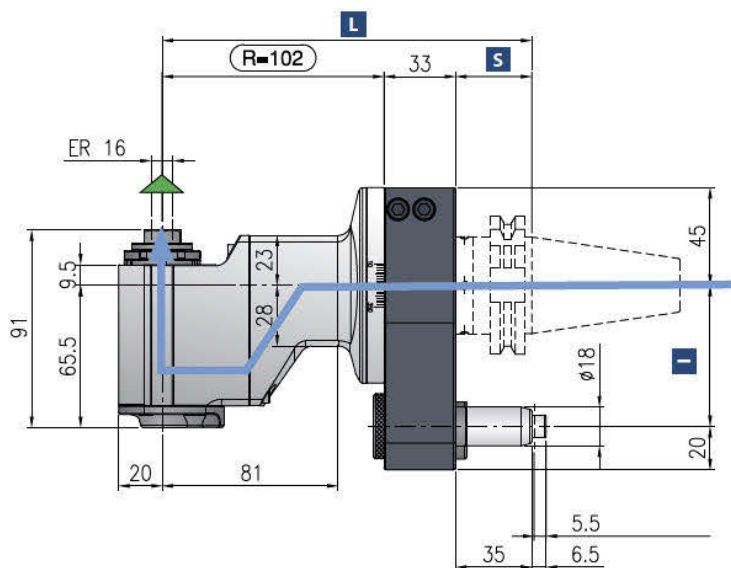
Double output
Doppia uscita

TH90cn-1,5 100 BAR

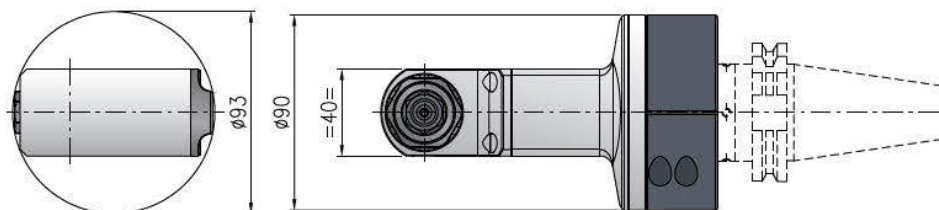
ACTH915C

-  Ratio
Rapporto
1:1
-  RPM
Velocità
10.000 min⁻¹
-  RPM Dry running
Velocità a secco
8.000 min⁻¹
-  Max. axial load
Max. carico assiale
250 N
-  Torque
Momento torcente
15 Nm
-  Weight
Peso
4,5 kg
-  Collet
Pinza
ER-16 (ø 1/10 mm)

* STANDARD EQUIPMENT INCLUDES:



Minimum diameter without tool
Diametro minimo senza utensile



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



Dry running also possible / Rotazione a secco possibile

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

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Option / Opzione



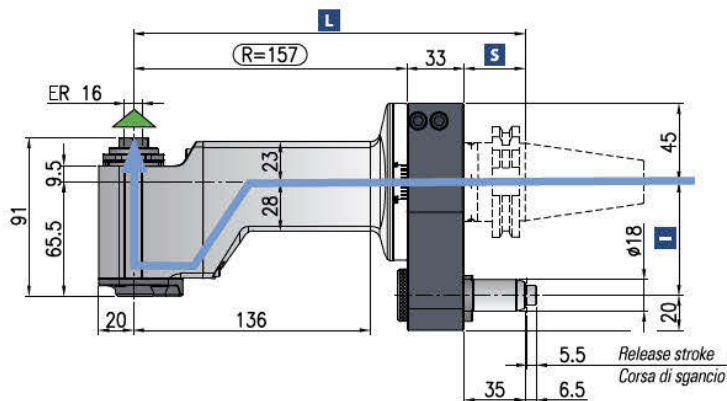
Ø mm max.

10

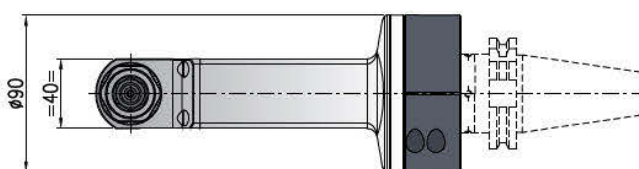
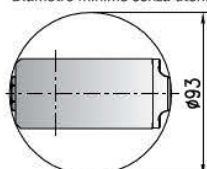
Weldon output
Weldon

TH90cn-1,5L 100 BAR

ACTH915L



Minimum diameter without tool
Diametro minimo senza utensile



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



Dry running also possible / Rotazione a secco possibile

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



Ratio
Rapporto
1:1



RPM
Velocità
10.000 min⁻¹



RPM Dry running
Velocità a secco
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



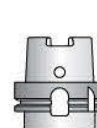
Torque
Momento torcente
15 Nm



Weight
Peso
5,2 kg



Collet
Pinza
ER-16 (Ø 1/10 mm)



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Option / Opzione



Ø mm.
13

Arbor output
Porta fresa



Ø mm max.
10

Weldon output
Weldon



ER-16/ER-11

Double output
Doppia uscita

TR90cn-1,5

ACTR915C


Ratio
Rapporto
1: 1,5 speeder



RPM OUTPUT
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
350 N



Torque
Momento torcente
15 Nm

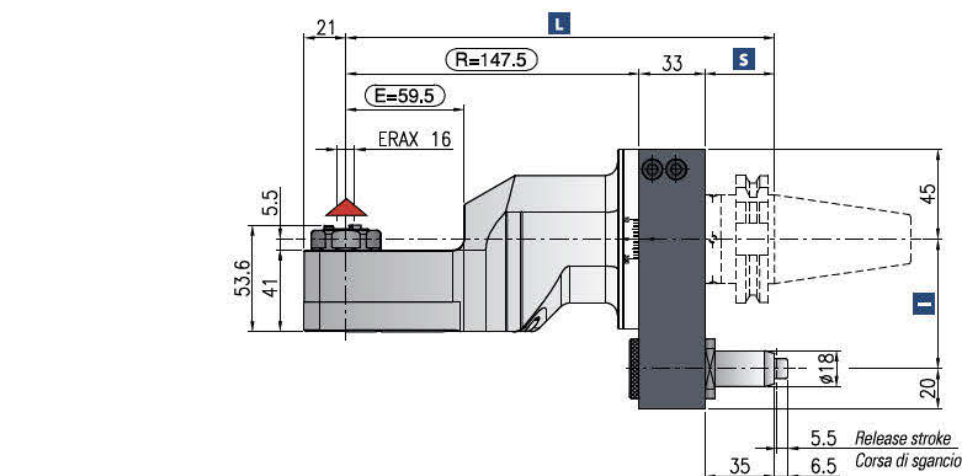


Weight
Peso
7 kg

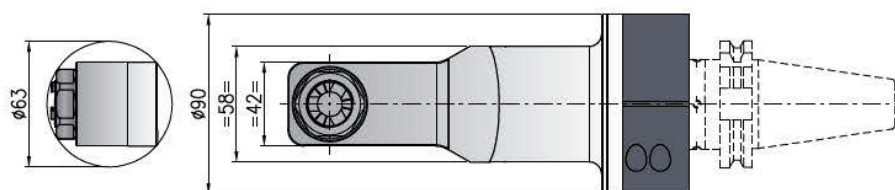


Collet
Pinza
ER-AX 16 (ø1/10 mm)

* STANDARD EQUIPMENT INCLUDES:



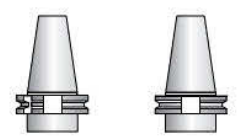
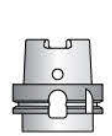
Minimum diameter without tool
Diametro minimo senza utensile



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

Dry running also possible / Rotazione a secco possibile

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

									
Shank/Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size/Grandezza	40	50	40	50	63-80	100	C5-C6	C8	63
I	65-80	80-(110*)	65-80-(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	215,5	215,5	215,5	221,5	222,5	222,5	218,5	220,5	220,5

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Refrigerante attraverso il perno

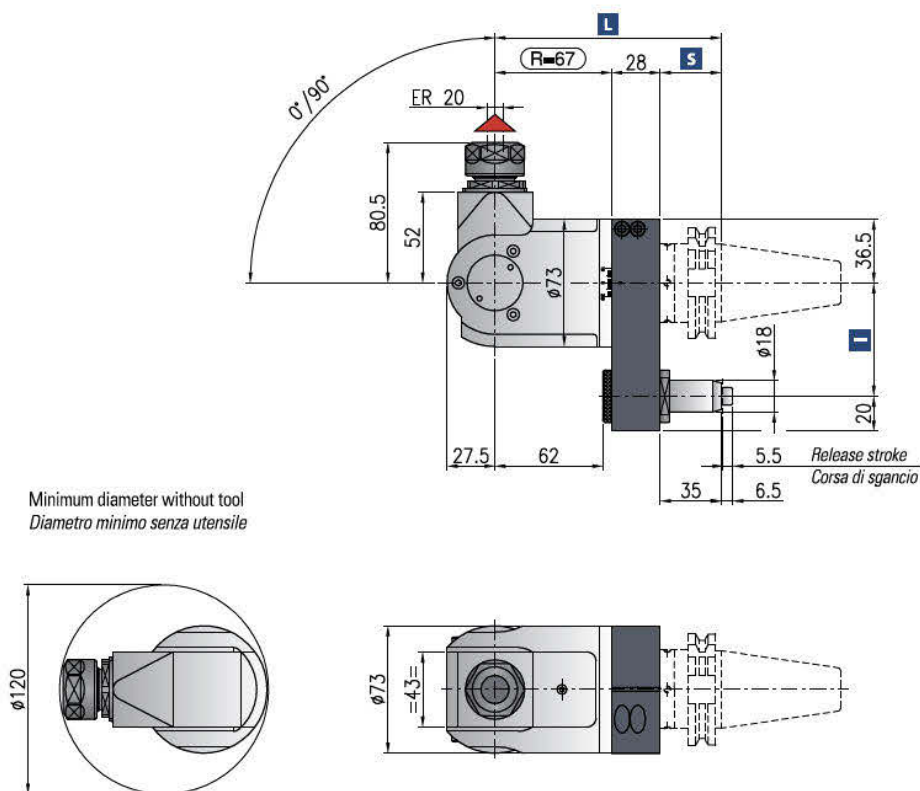


bar max
100

Coolant through spindle
Refrigerante attraverso il cono

TCUcn-1,5

ACTCU15C



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

- Ratio
Rapporto
1:1
- RPM
Velocità
4.000 min⁻¹
- Max. axial load
Max. carico assiale
450 N
- Torque
Momento torcente
6 Nm
- Weight
Peso
4.2 kg
- Collet
Pinza
ER-20 (ø 1/13 mm)

* STANDARD EQUIPMENT INCLUDES:



Direction of rotation opposite to 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	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	42	40	40
L	130	130	130	136	137	140	133	135	220,5

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



min⁻¹
8.000

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



Ø mm max.
10

Weldon output
Weldon

T90cn-1,5M Aluminum

ACT9015C.ALU


Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



Max. axial load
Max. carico assiale
250 N



Torque
Momento torcente
15 Nm



Weight
Peso
2,9 kg



Collet
Pinza
ER 16 (ø 1-10 mm)



Shank
Cono
ISO 30DIN-69871/BT-30

* STANDARD EQUIPMENT INCLUDES:



Retaining block / Tassello di ritegno / Stop-Block

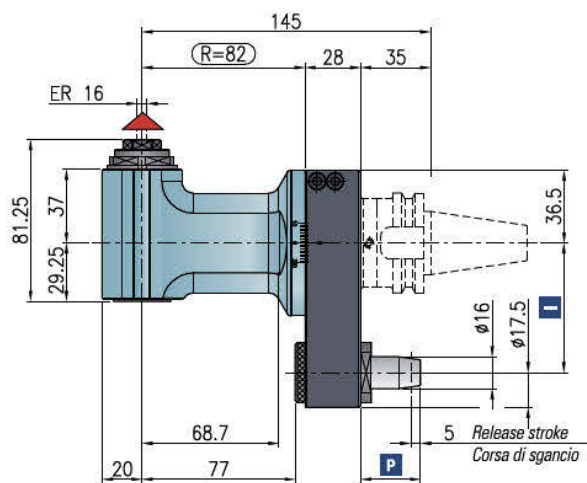
NOT INCLUDED - NON INCLUSO



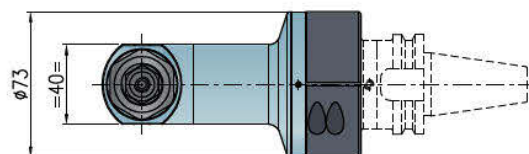
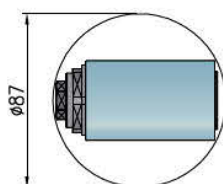
Possibilità refrigerante / Internal coolant



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



Minimum diameter without tool
Diametro minimo senza utensile



	FANUC ROBODRILL	BROTHER S2D	BROTHER TC-32	BROTHER R450X1	BROTHER S500 S700 S1000	DMG MORI MILLTAP 700
I	65	80	80	50	80	65
P	24	24	30	24	25,75	24

Dual contact spindles available/Disponibilità coni a doppio contatto

Opzione / Option



AIR/OIL

Air / oil lubrication
Lubrificazione aria / olio

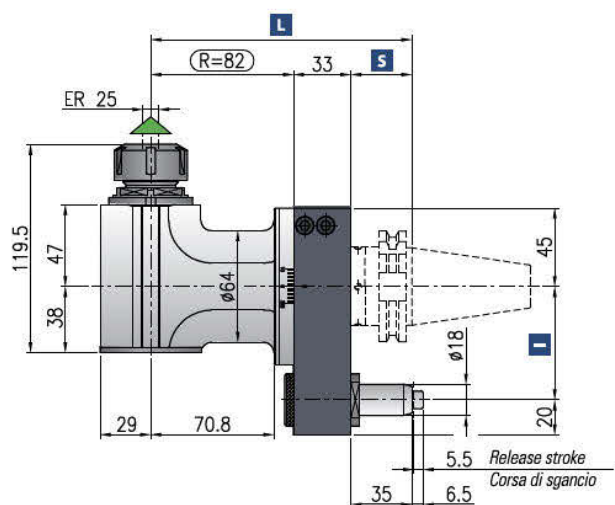


bar max
40

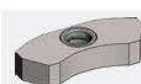
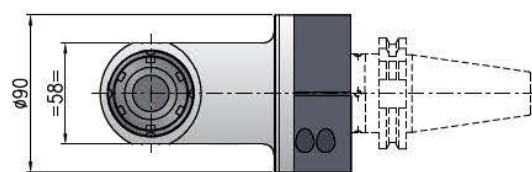
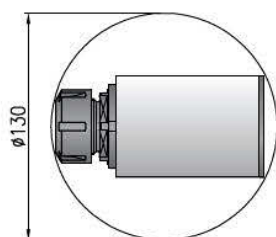
Coolant through spindle
Refrigerante attraverso il cono

T90cn-2,5

ACT9025C



Minimum diameter without tool
Diametro minimo senza utensile



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



Ratio
Rapporto / Verhältnis
1:1



RPM
Velocità / Drehzahl max.
6.000 min⁻¹



Max. axial load
Max. carico assiale / Max. Axialbelastung
510 N



Torque
Momento torcente / Drehmoment
30 Nm



Weight
Peso / Gewicht
5,4 kg



Collet
Pinza / Spannzange
ER-25 (Ø 1/16 mm)

*** STANDARD EQUIPMENT INCLUDES:**



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



Shank/ <i>Cono</i>	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM
Size/ <i>Grandezza</i>	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin and spindle
Refrigerante interno
attraverso utensile



min⁻¹
8.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido



ER-25/ER-16

Double output
Doppia uscita

T90cn-2,5L

ACT9025L



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



Weight
Peso
6,7 kg



Collet
Pinza
ER-25 (ø 1/16 mm)

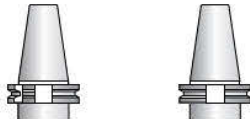
* STANDARD EQUIPMENT INCLUDES:



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



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

									
Shank/ <i>Cono</i>	DIN-69871 CAT		MAS-BT		HSK		CAPTO		KM
Size/ <i>Grandezza</i>	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	220	220	220	226	227	230	223	225	225

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 and spindle
Refrigerante interno
attraverso utensile



min⁻¹
8.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon



HSK-32

Quick Change
Attacco rapido

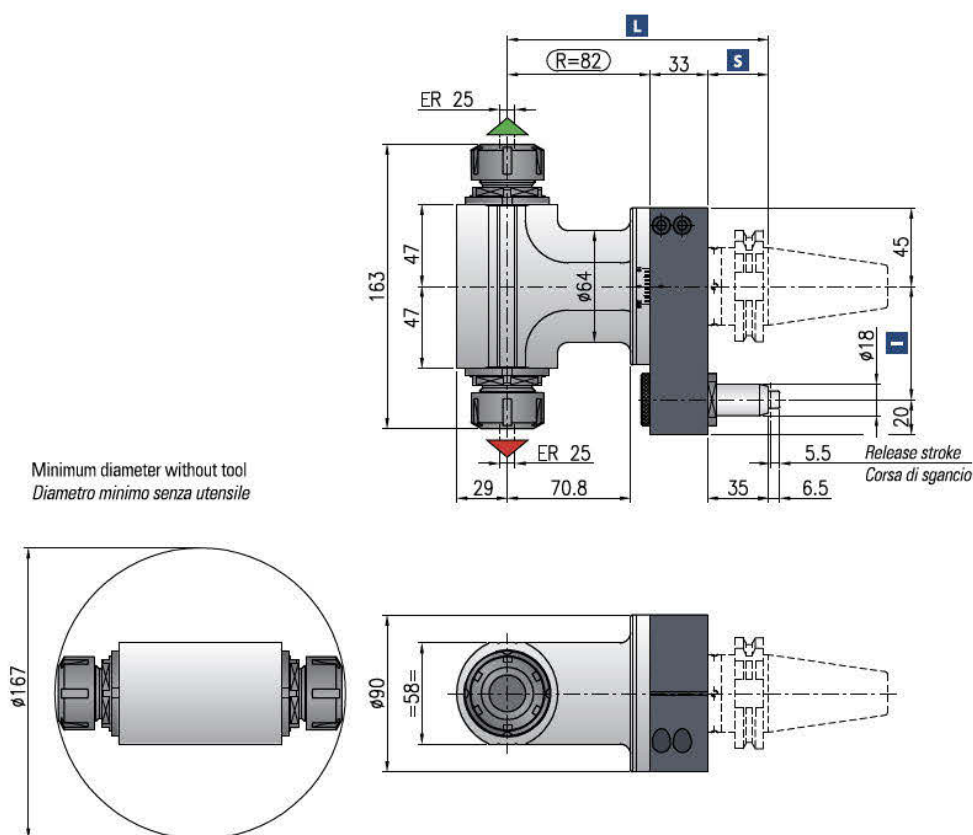


ER-25/ER-16

Double output
Doppia uscita

T90cn-2,5 2U

ACT9025D



Minimum diameter without tool
Diametro minimo senza utensile



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

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



Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹



RPM Dry running
Velocità a secco
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



Weight
Peso
6,4 kg



Collet
Pinza
ER-25 (Ø 1/16 mm)

* STANDARD EQUIPMENT INCLUDES:



												
Shank/ <i>Cono</i>	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM	
Size/ <i>Grandezza</i>	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max.
12

Coolant through pin
Refrigerante attraverso il perno



min⁻¹
8.000

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



Ø mm
16

Arbor output
Porta fresa



Ø mm max.
16

Weldon output
Weldon

TH90cn-2,5 100 BAR

ACTH925C


Ratio
Rapporto
1:1



RPM
Velocità
9.000 min⁻¹



RPM Dry running
Velocità a secco
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
30 Nm



Weight
Peso
5,5 kg

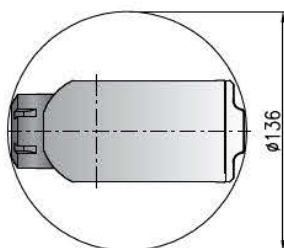


Collet
Pinza
ER-25 (ø 1/16 mm)

* STANDARD EQUIPMENT INCLUDES:



Minimum diameter without tool
Diametro minimo senza utensile



Retaining block / Tassello di ritegno / Stop-Block

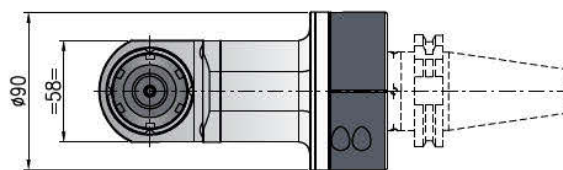
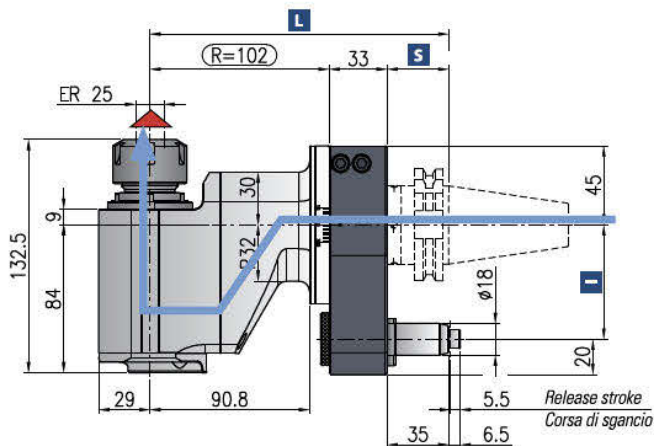
NOT INCLUDED - NON INCLUSO



Dry running also possible / Rotazione a secco possibile



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



												
Shank/ <i>Cono</i>	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM	
Size/ <i>Grandezza</i>	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



Ø mm max.

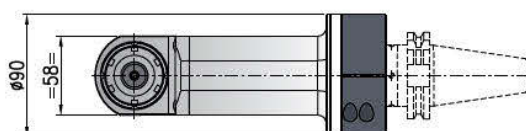
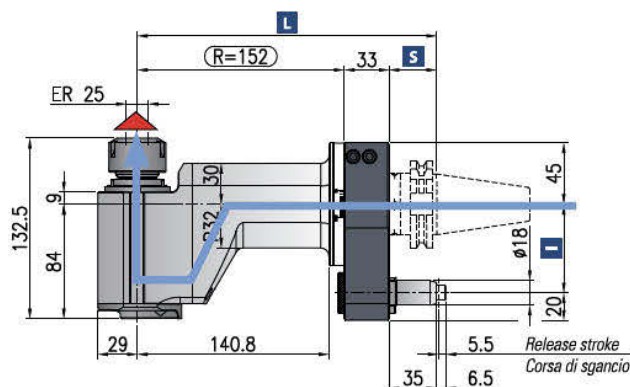
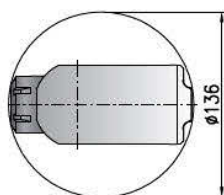
16

Weldon output
Weldon

TH90cn-2,5 L 100 BAR

ACTH925L

Minimum diameter without tool
Diametro minimo senza utensile



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

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



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
6,8 kg



Collet
Pinza
ER-25(ø2/16mm)

*** STANDARD EQUIPMENT INCLUDES:**



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



Ø mm max.

16

Welding output
Welding

TR90cn-2,5

ACTR925C

Ratio
Rapporto
1:1



RPM OUTPUT
Velocità
6000 min⁻¹



Max. axial load
Max. carico assiale
510 N



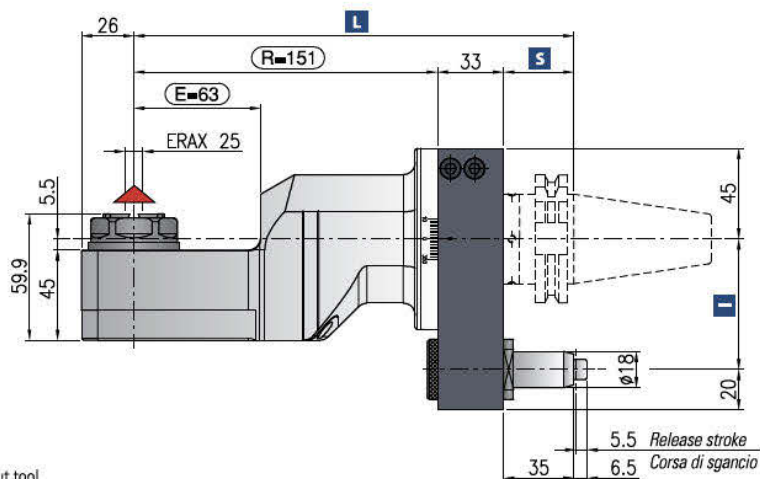
Torque
Momento torcente
30 Nm



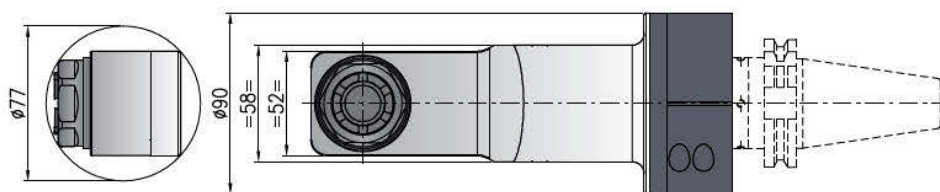
Weight
Peso
7.5 kg



Collet
Pinza
ER-AX 25 (ø1-16mm)



Minimum diameter without tool
Diametro minimo senza utensile

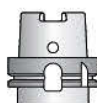


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

Dry running also possible / Rotazione a secco possibile



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option

bar max
12

Coolant through pin

Adduzione refrigerante attraverso il perno



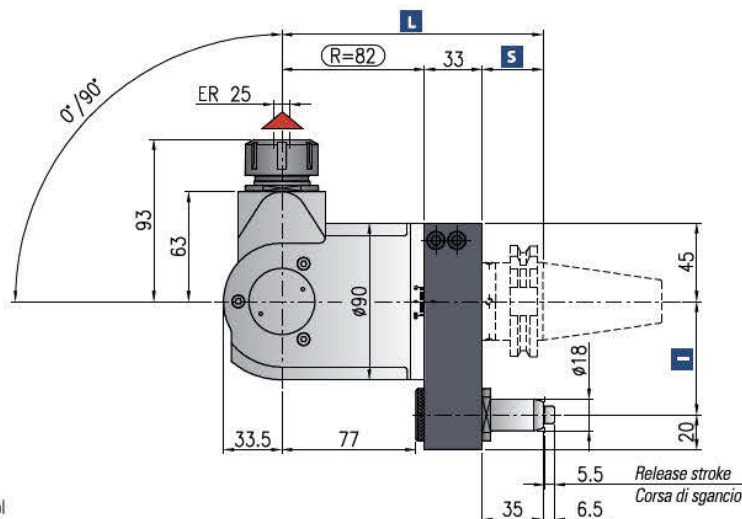
bar max
100

Coolant through spindle

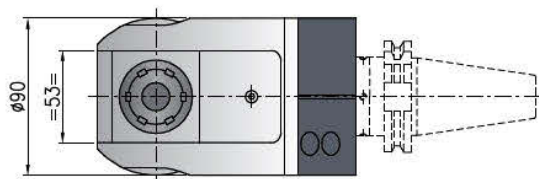
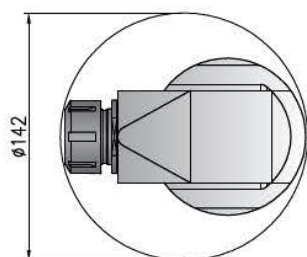
Refrigerante attraverso il cono

TCUcn-2,5

ACTCU25C



Minimum diameter without tool
Diametro minimo senza utensile



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



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



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
480 N



Torque
Momento torcente
18 Nm



Weight
Peso
7 kg



Collet
Pinza
ER-25 (ø 1/16 mm)

*** STANDARD EQUIPMENT INCLUDES:**



												
Shank/ <i>Cono</i>	DIN-69871		CAT		MAS-BT		HSK		CAPTO		KM	
Size/ <i>Grandezza/Größe</i>	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max.
12

Coolant through pin
Adduzione refrigerante attraverso il perno



min⁻¹
6.000

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



Ø mm max.
16

Weldon output
Weldon

T90cn-2,5M Aluminum

ACT9025C.ALU


Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



Max. axial load
Max. carico assiale
510 N



Torque
Momento torcente
20 Nm



Weight
Peso
4,9 kg



Collet
Pinza
ER 25 - Ø1-16 mm

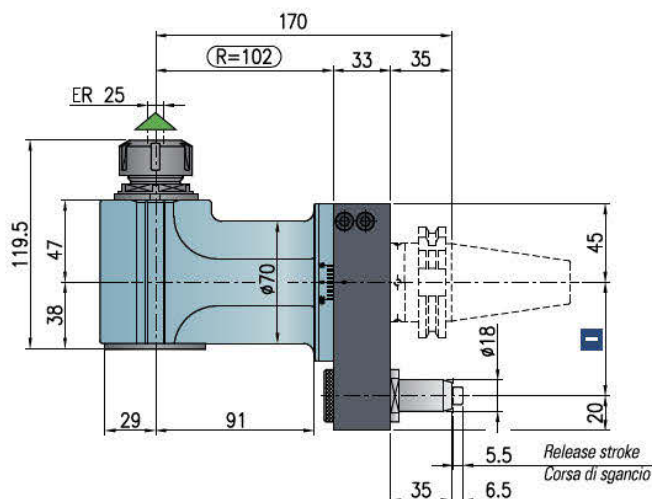


Shank
Cono
ISO40 DIN-69871/BT-40

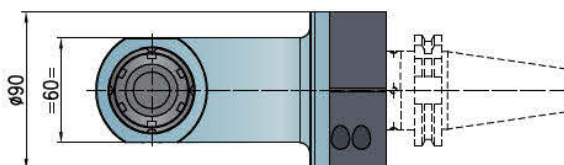
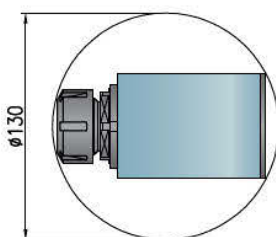
* STANDARD EQUIPMENT INCLUDES:



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



Minimum diameter without tool
Diametro minimo senza utensile



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



Shank/Cono	DIN-69871	CAT	MAS-BT
Size/Grandezza	40	40	40
I	65-80	80-(110*)	65-80-(110*)

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



AIR/OIL

Air / oil lubrication
Lubrificazione aria / olio

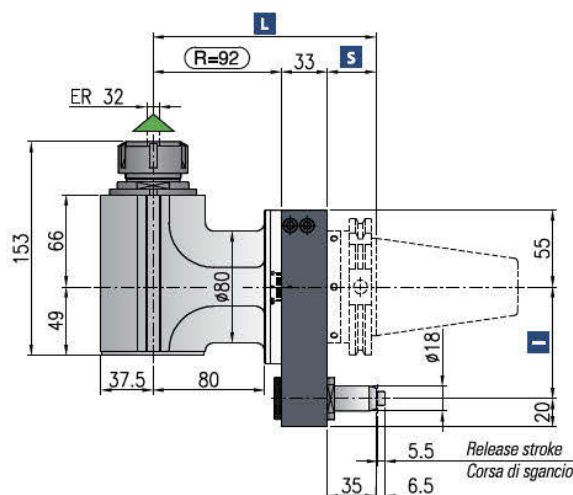


bar max
40

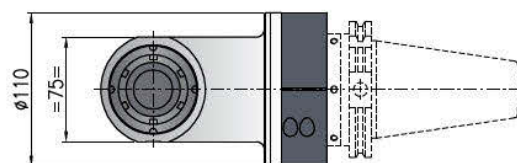
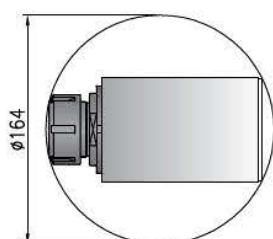
Coolant through spindle
Refrigerante attraverso il cono

T90cn-3,5

ACT9035C



Minimum diameter without tool
Diametro minimo senza utensile



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



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



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
50 Nm



Weight
Peso
11 kg



Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT INCLUDES:**



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin
Refrigerante attraverso il perno



min⁻¹
6.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido



ER-32/ER-20

Double output
Doppia uscita

T90cn-3,5 L

ACT9035L


Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
50 Nm



Weight
Peso
13,2 kg

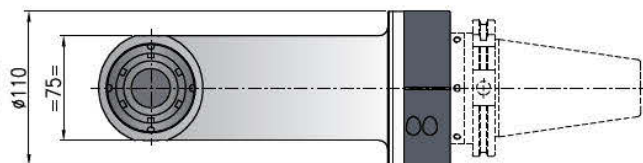
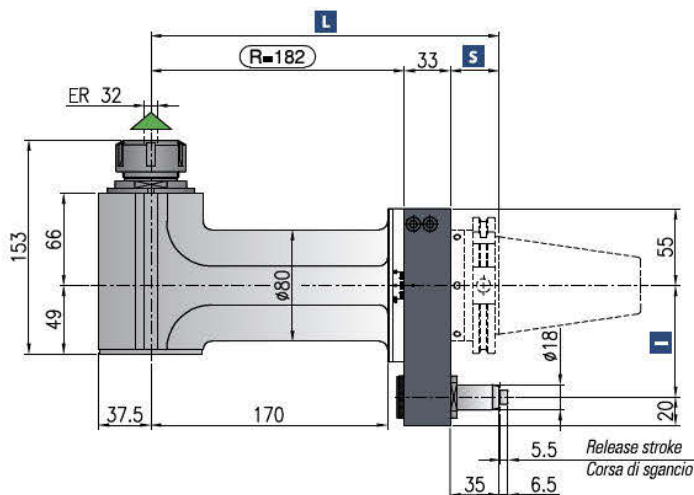
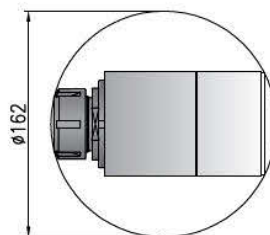


Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT INCLUDES:**



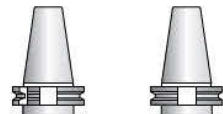
Minimum diameter without tool
Diametro minimo senza utensile



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



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

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

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 and spindle
Refrigerante interno
attraverso utensile



min⁻¹
6.000

High speed RPM max.
Alta velocità RPM max



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



ISO-30 HSK-40

Quick Change
Attacco rapido

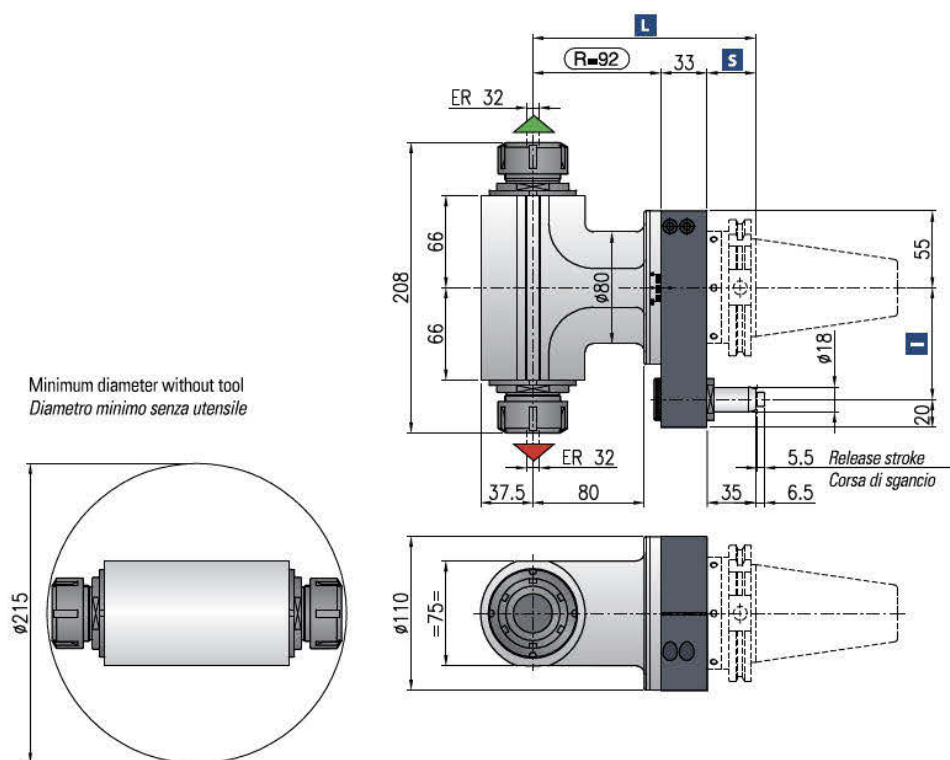


ER-32/ER-20

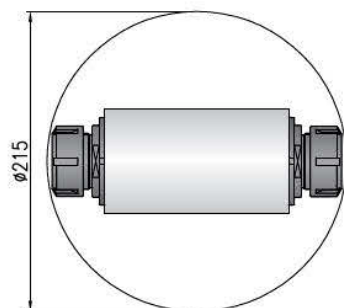
Double output
Doppia uscita

T90cn-3,5 2U

ACT9035D



Minimum diameter without tool
Diametro minimo senza utensile



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



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

- Ratio
Rapporto
1.1
- RPM
Velocità
4.000 min⁻¹
- Max. axial load
Max. carico assiale
1.250 N
- Torque
Momento torcente
50 Nm
- Weight
Peso
12 kg
- Collet
Pinza
ER-32 (ø 2/20 mm)

* STANDARD EQUIPMENT INCLUDES:



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin
Refrigerante attraverso il perno



min⁻¹
6.000

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



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
20

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido

TH90cn-3,5 100 BAR

ACTH935C


Ratio
Rapporto
1:1



RPM
Velocità
8.000 min⁻¹



RPM Dry running
Velocità a secco
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
50 Nm



Weight
Peso
12 kg

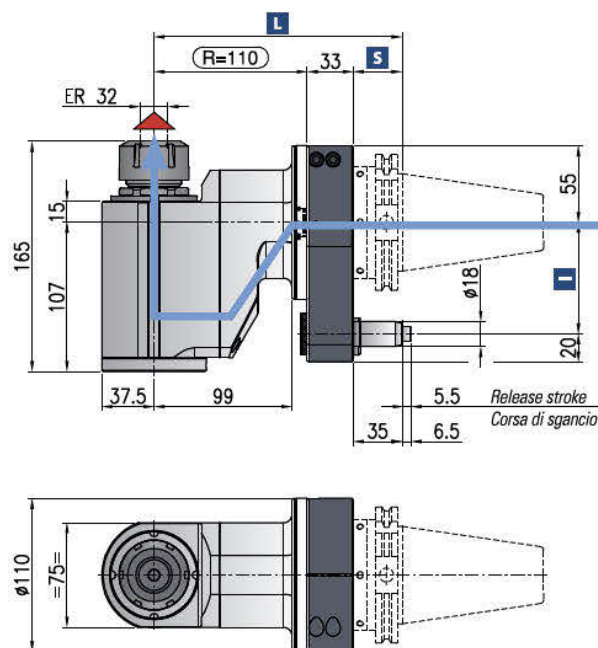
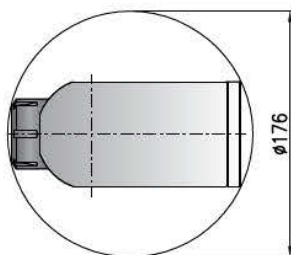


Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT INCLUDES:**



Minimum diameter without tool
Diametro minimo senza utensile

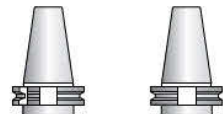


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

Dry running also possible / Rotazione a secco possibile



Direction of rotation opposite to 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	80-110		80-110	80-110	80-110	80-110	80-110	80-110
S	35		41	42	45	38	40	40
L	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



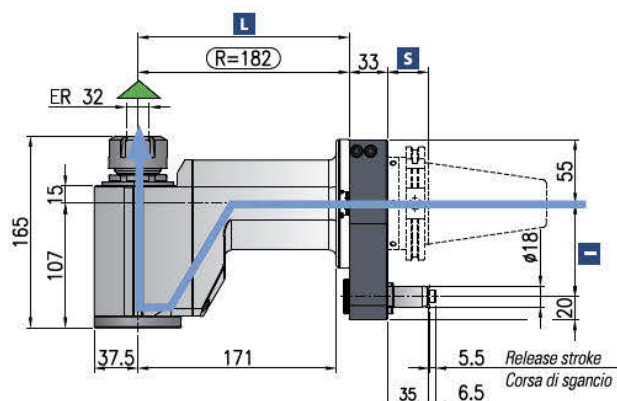
Ø mm max.

20

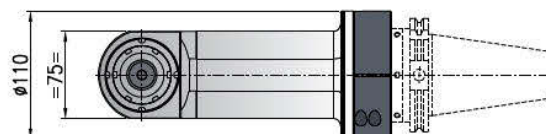
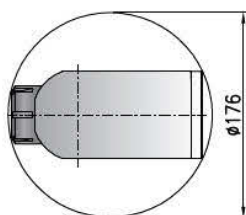
Weldon output
Weldon

TH90cn-3,5 L 100 BAR

ACTH935L



Minimum diameter without tool
Diametro minimo senza utensile



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



Dry running also possible / Rotazione a secco possibile

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



Ratio
Rapporto
1.1



RPM
Velocità
8.000 min⁻¹



RPM Dry running
Velocità a secco
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.250 N



Torque
Momento torcente
50 Nm



Weight
Peso
12 kg



Collet
Pinza
ER-32 (ø 2/20 mm)

*** STANDARD EQUIPMENT INCLUDES:**



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



Ø mm max.

20

Welding output
Welding

TR90cn-3,5

ACTR935C

Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
910 N



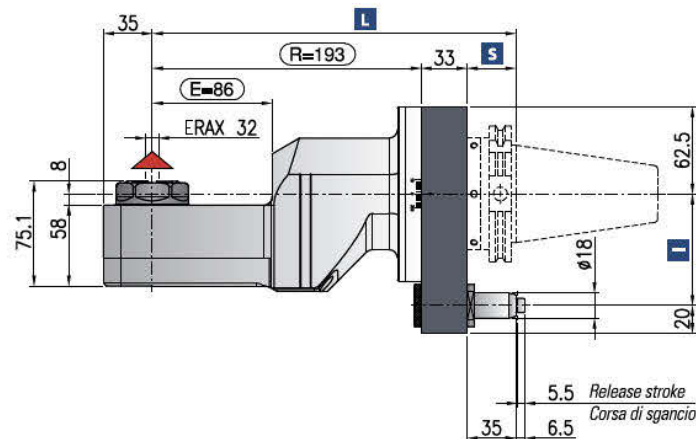
Torque
Momento torcente
50 Nm



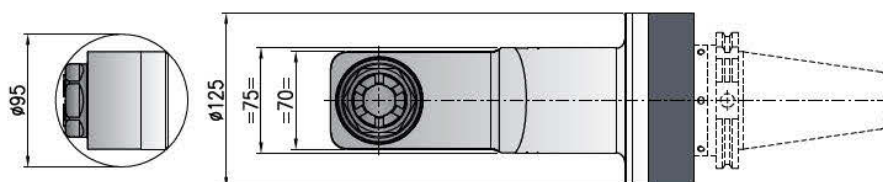
Weight
Peso
10 kg



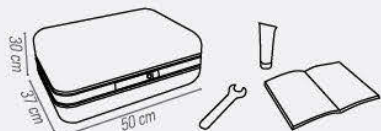
Collet
Pinza
ER-AX 32 (ø2-20 mm)



Minimum diameter without tool
Diametro minimo senza utensile



*** STANDARD EQUIPMENT INCLUDES:**



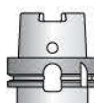
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

 Possibilità refrigerante / Internal coolant / Max. 100 bar

Dry running also possible / Rotazione a secco possibile



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



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option

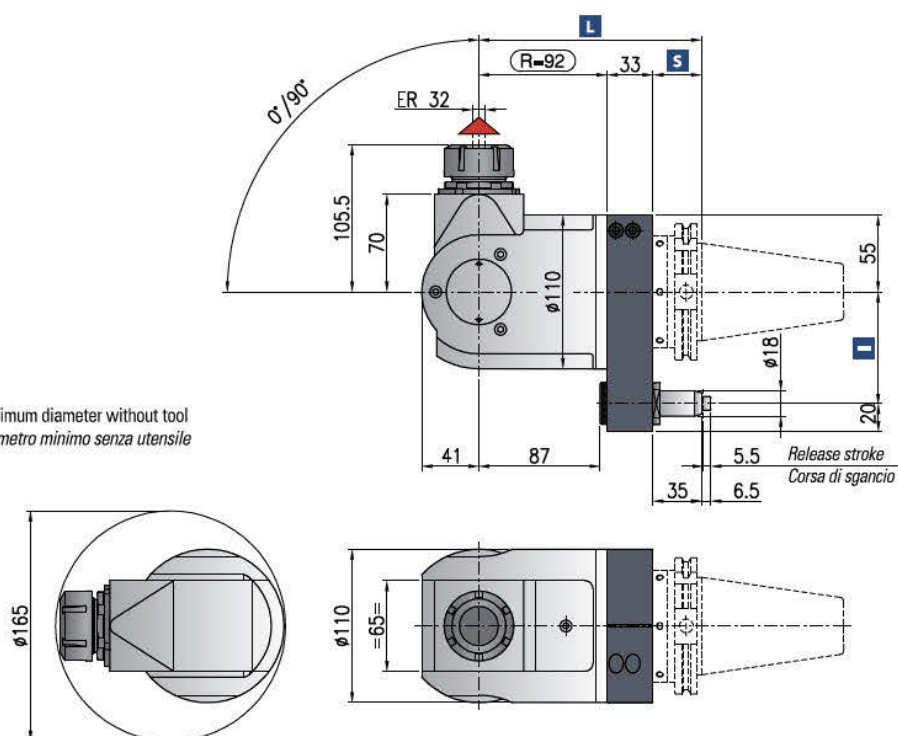
bar max
100

Coolant through spindle
Refrigerante attraverso il cono

TCUcn-3,5

ACTCU35C

Minimum diameter without tool
Diametro minimo senza utensile



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



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
715 N



Torque
Momento torcente
32 Nm



Weight
Peso
13 kg



Collet
Pinza
ER-32 (Ø 2/20 mm)

*** STANDARD EQUIPMENT INCLUDES:**



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

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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Option / Opzione



bar max
12

Coolant through pin
Adduzione refrigerante attraverso il perno



min⁻¹
6.000

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



Ø mm max.
20

Weldon output
Weldon



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1250 N



Torque
Momento torcente
40 Nm



Weight
Peso
5,5 kg

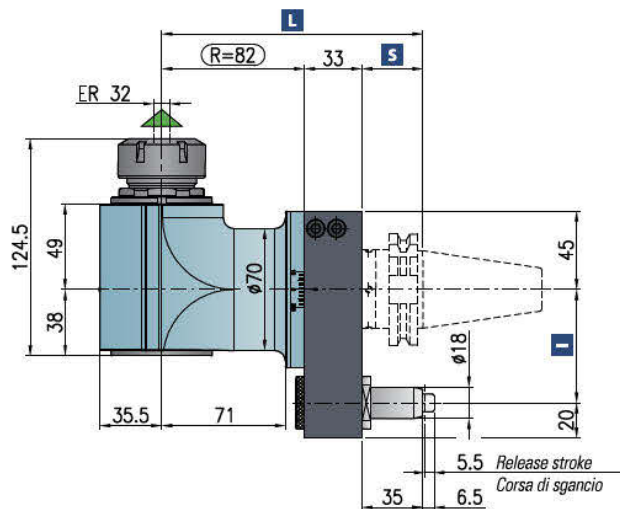


Collet
Pinza
ER 32 - (ø2-20 mm)

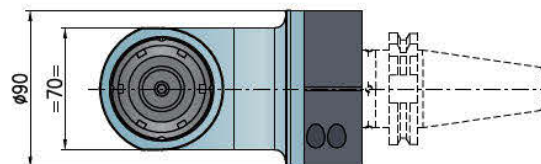
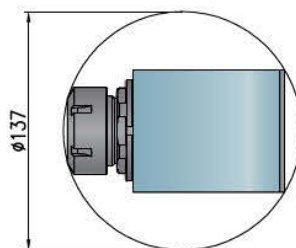


Shank
Cono
ISO40 DIN-69871/BT-40

*** STANDARD EQUIPMENT INCLUDES:**



Minimum diameter without tool
Diametro minimo senza utensile



Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



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



Shank/Cono	DIN-69871	CAT	MAS-BT
Size/Grandezza	40	40	40
I	65-80	80-(110*)	65-80-(110*)
S	35	35	35
L	150	150	150

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



AIR/OIL

Air / oil lubrication
Lubrificazione aria / olio

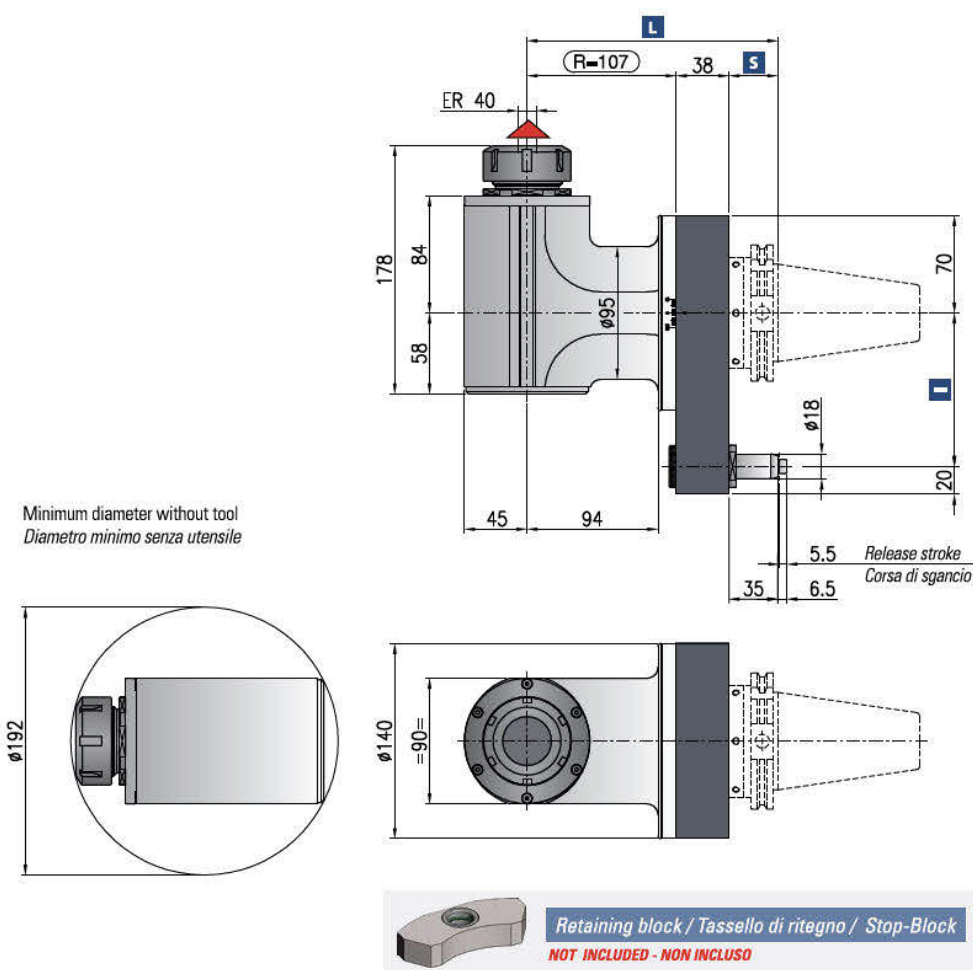


bar max
40

Coolant through spindle
Refrigerante attraverso il cono

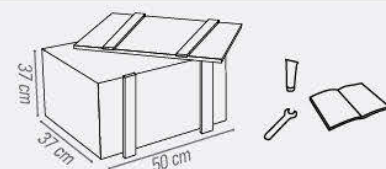
T90cn-4,5

ACT9045C



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

* STANDARD EQUIPMENT INCLUDES:



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

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	180		186	187	190	185

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	min ⁻¹ 6.000	Ø mm 27	Ø mm max. 25	ISO-30 HSK-40 CAPTO C4	ER-40/ER-25
Coolant through pin and spindle Refrigerante interno attraverso utensile	High speed optional RPM max. Opzione alta velocità RPM max.	Arbor output Porta fresa	Weldon output Weldon	Quick Change Attacco rapido	Double output Doppia uscita



Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
75 Nm

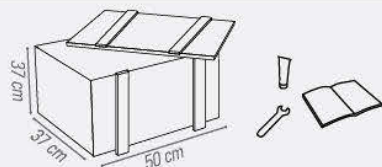


Weight
Peso
20 kg

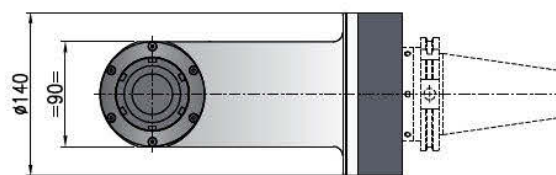
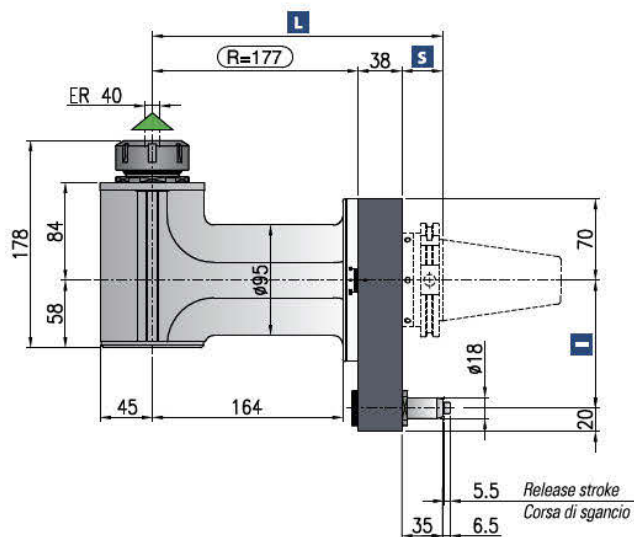
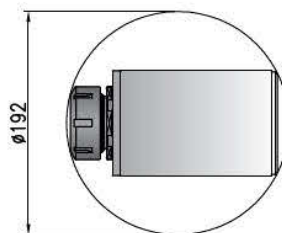


Collet
Pinza
ER-40 (ø 3/30 mm)

*** STANDARD EQUIPMENT INCLUDES:**



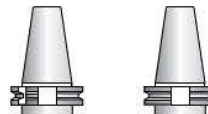
Minimum diameter without tool
Diametro minimo senza utensile



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



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

Shank/Cono						
Size/Grandezza	50		50	80	100	C8
I	110		110	110	110	110
S	35		41	42	45	40
L	250		256	257	260	255

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 and spindle
Refrigerante interno
attraverso utensile



min⁻¹
6.000

High speed RPM max.
Alta velocità RPM max.



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



ISO-30
HSK-40 CAPTO C4

Quick Change
Attacco rapido

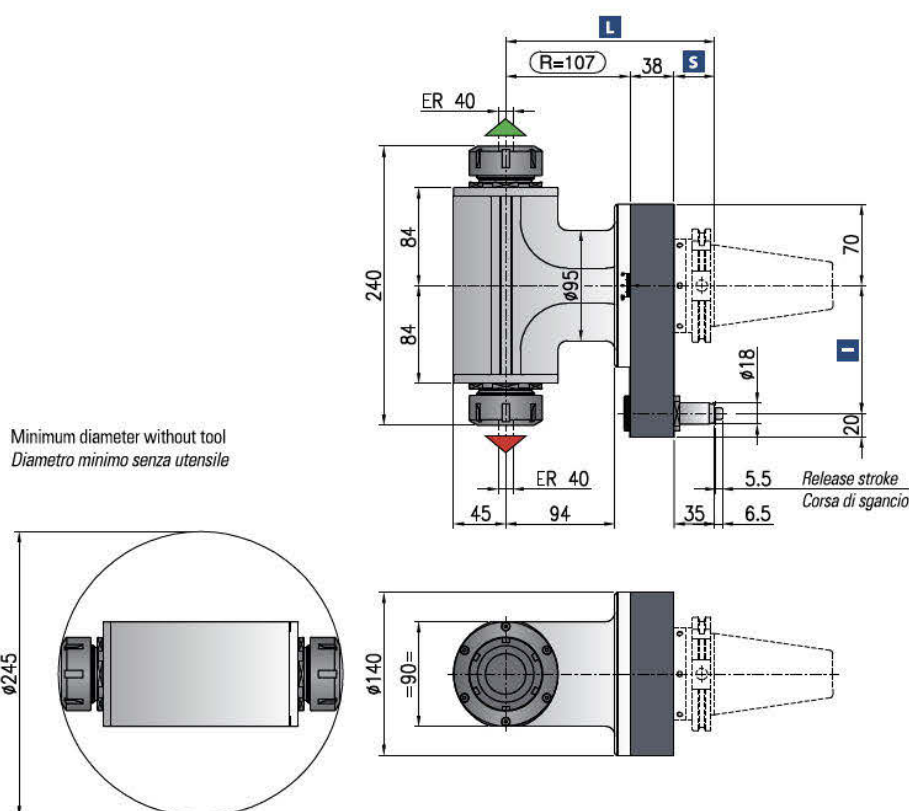


ER-40/ER-25

Double output
Doppia uscita

T90cn-4,5 2U

ACT9045D



Minimum diameter without tool
Diametro minimo senza utensile

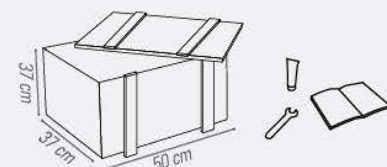


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

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

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

* STANDARD EQUIPMENT INCLUDES:



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	180		186	187 190	185

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



min⁻¹
6.000

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



Ø mm
27

Arbor output
Porta fresa



Ø mm max.
25

Weldon output
Weldon



HSK-40

Quick Change
Attacco rapido

TH90cn-4,5 100 BAR

ACTH945C

Ratio
Rapporto
1:1

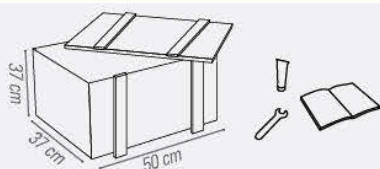
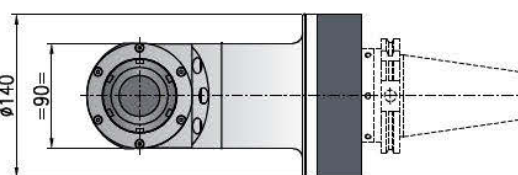
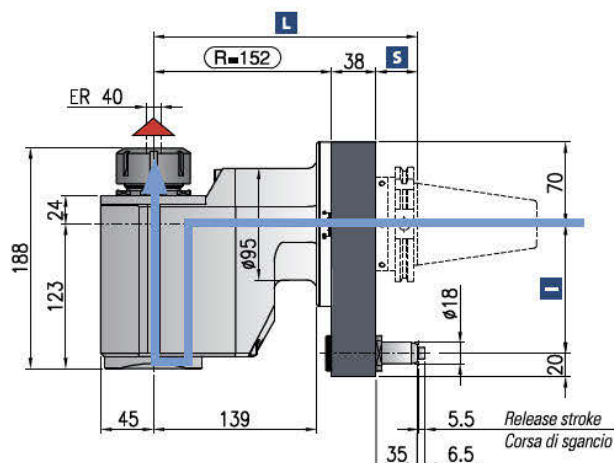
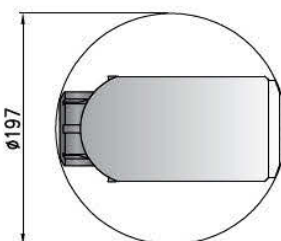
RPM
Velocità
6.000

RPM Dry Running
Funz. a secco
4.000 min⁻¹

Max. axial load
Max. carico assiale
1.750 N

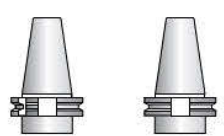
Torque
Momento torcente
75 Nm

Weight
Peso
21 kg

Collet
Pinza
ER-40 (ø 3/30 mm)
*** STANDARD EQUIPMENT INCLUDES:**

Minimum diameter without tool
Diametro minimo senza utensile

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


Dry running also possible / Rotazione a secco possibile

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

					
Shank/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	225		231	235	230

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option

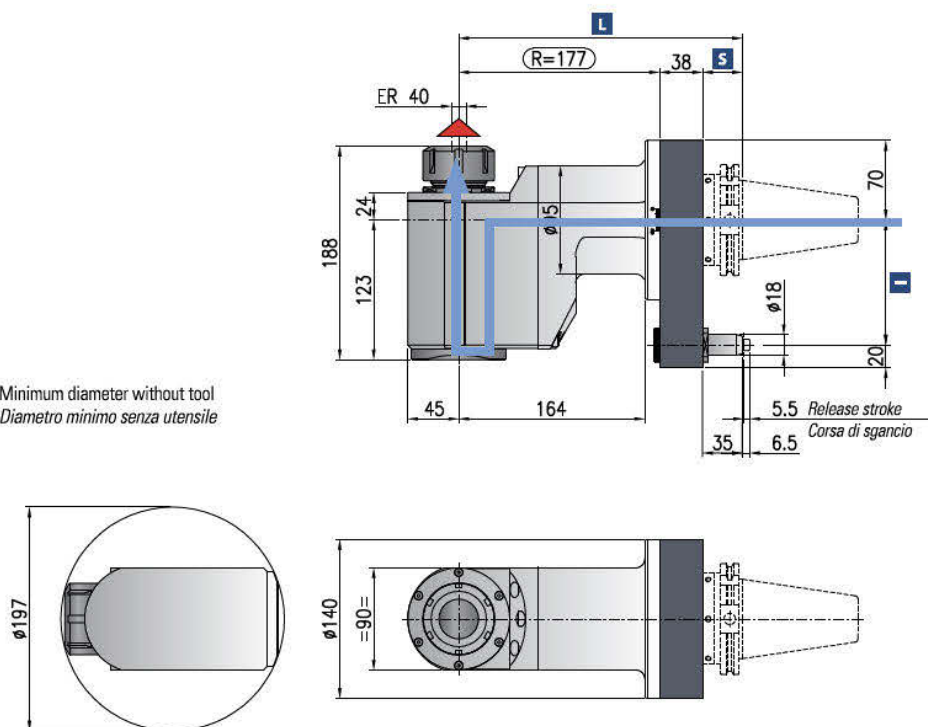
Ø mm max.
25
Welding output
Welding

ISO-30
HSK-40 CAPTO C4
Quick Change
Attacco rapido

TH90cn-4,5 L 100 BAR

ACTH945L

Minimum diameter without tool
Diametro minimo senza utensile



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

Dry running also possible / Rotazione a secco possibile

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



Ratio
Rapporto
1:1



RPM
Velocità
6.000 min⁻¹



RPM Dry running
Velocità a secco
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.750 N



Torque
Momento torcente
75 Nm

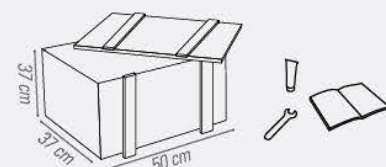


Weight
Peso
26 kg



Collet
Pinza
ER-40 (ø 3/30 mm)

*** STANDARD EQUIPMENT INCLUDES:**



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



Ø mm max.
25

Weld on output
Weld on



ISO-30
HSK-40 CAPTO C4

Quick Change
Attacco rapido

TR90cn-4,5

ACTR945C


Ratio
Rapporto
1:1



RPM
Velocità
4.000 min⁻¹



Max. axial load
Max. carico assiale
1.200 N



Torque
Momento torcente
75 Nm

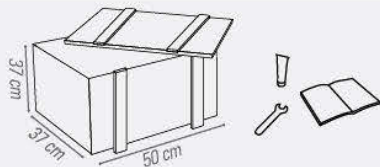


Weight
Peso
20 kg

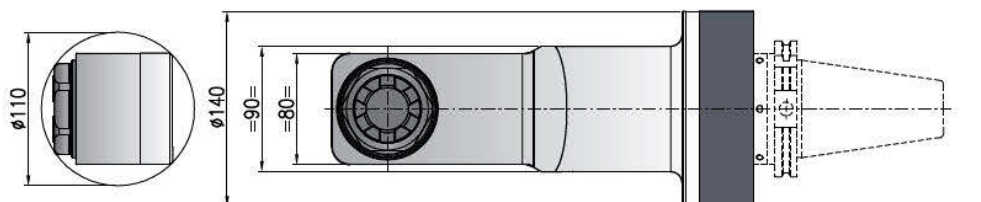


Collet
Pinza
ER-AX 40 (ø3/30 mm)

* STANDARD EQUIPMENT INCLUDES:



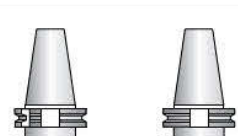
Minimum diameter without tool
Diametro minimo senza utensile



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

Dry running also possible / Rotazione a secco possibile

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

						
Shank/Cono	DIN-69871	CAT	MAS-BT	HSK	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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option

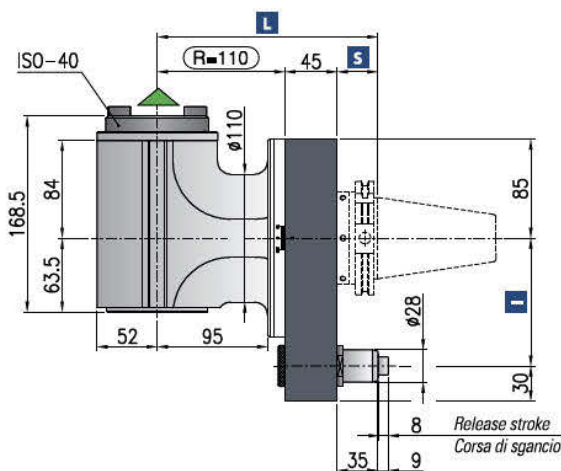


bar max
100

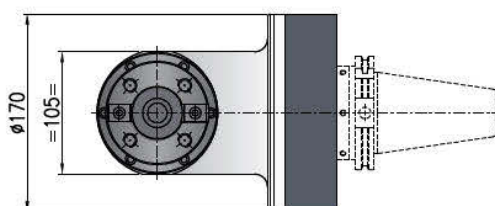
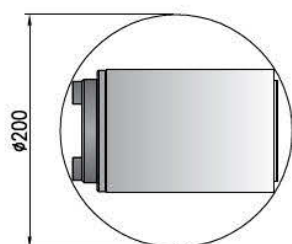
Coolant through spindle
Refrigerante attraverso il cono

T90cn-5

ACT905C



Minimum diameter without tool
Diametro minimo senza utensile



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



Possibilità refrigerante / Internal coolant - Max. 12 bar



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



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
100 Nm

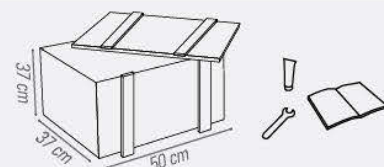


Weight
Peso
22 kg



Collet
Pinza
ISO 40

*** STANDARD EQUIPMENT INCLUDES:**



Shank/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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin and spindle
Refrigerante interno attraverso utensile



min⁻¹
6.000

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



HSK-63 CAPTO C4 C5

Quick Change
Attacco rapido

T90cn-5 HP

ACT905HP


Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
160 Nm

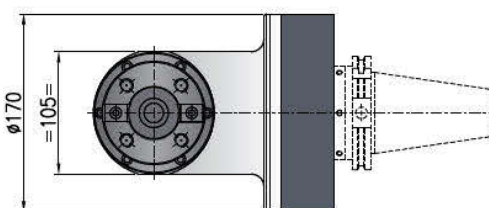
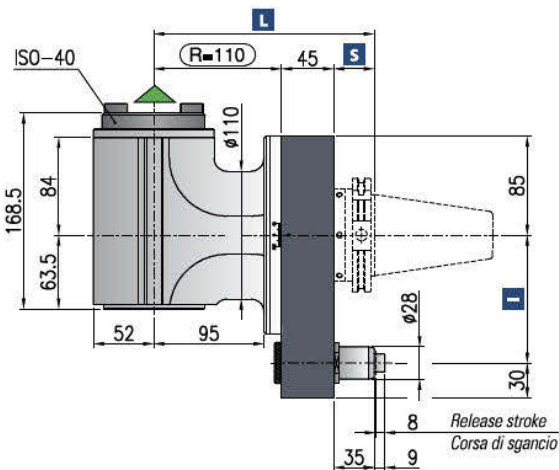
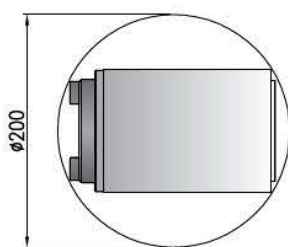
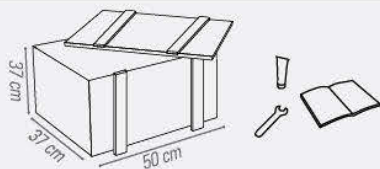


Weight
Peso
22 kg



Collet
Pinza
ISO 40

* STANDARD EQUIPMENT INCLUDES:



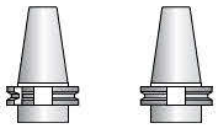
Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO



Possibilità refrigerante / Internal coolant - Max. 100 bar



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

					
Shank/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

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max

12

Coolant through pin and spindle
Refrigerante interno attraverso utensile

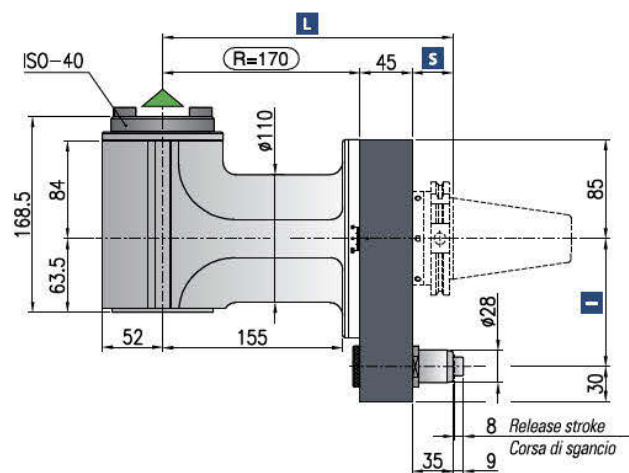


HSK-63 CAPTO C4 C5

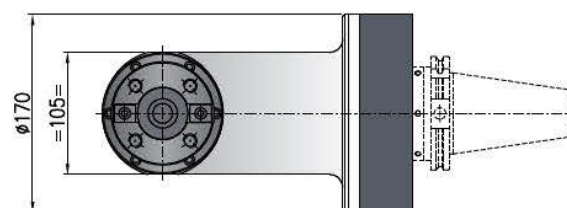
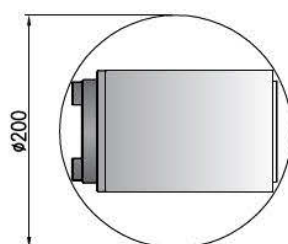
Quick Change
Attacco rapido

T90cn-5L

ACT905L



Minimum diameter without tool
Diametro minimo senza utensile



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

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



Ratio
Rapporto
1:1



RPM
Velocità
3.000 min⁻¹



Max. axial load
Max. carico assiale
1.800 N



Torque
Momento torcente
100 Nm

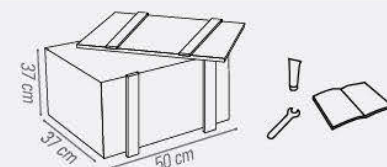


Weight
Peso
26,2 kg



Collet
Pinza
ISO 40

*** STANDARD EQUIPMENT INCLUDES:**



Shank/Cono	DIN-69871	CAT	MAS-BT	HSK	CAPTO
Size/Grandezza	50		50	100	C8
I	110		110	110	110
S	35		41	45	40
L	250		256	260	255

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

Opzione / Option



bar max
12

Coolant through pin and spindle
Refrigerante interno attraverso utensile



min⁻¹
6.000

High speed optional RPM max.
Opzione alta velocità RPM max



HSK-63 CAPTO C4 C5

Quick Change
Attacco rapido

TA LINEA TA TESTE SPECIALI / SPECIAL HEADS

Per richieste speciali di teste con angoli superiori a 15°, Alberti ha studiato una Linea TA con possibilità di adduzione refrigerante interna alta pressione. Tra i modelli più richiesti e standardizzati ci sono TA 30° - TA45° - TA60°

For all special inquiries of fixed angle heads with angles bigger than 15°, Alberti has developed a separate line of heads type TA with internal coolant possibility. Among the most requested, hence standardized items are TA30° - TA45° and TA60°



Ratio
Rapporto
1:1



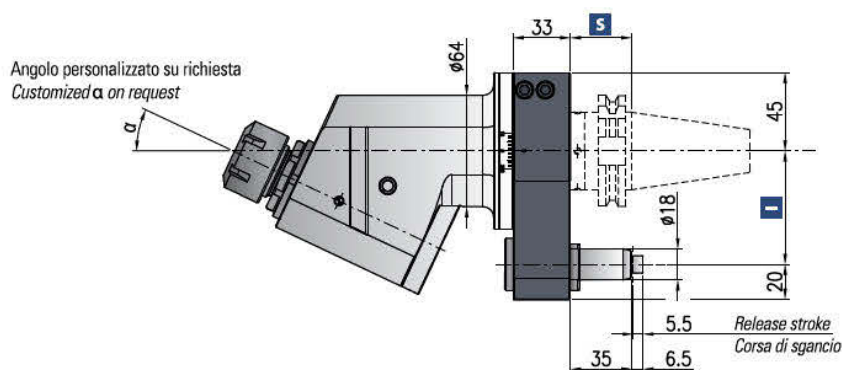
RPM up to
Velocità fino
10.000 min⁻¹



Angle
Angolo
A richiesta da
On request from
15°



Collet
Pinza
ER-16(ø1/10mm)
ER-25(ø2/16mm)
ER-32(ø3/20mm)



* STANDARD EQUIPMENT INCLUDES:

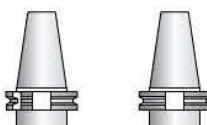
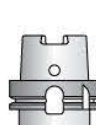


Retaining block / Tassello di ritegno / Stop-Block

NOT INCLUDED - NON INCLUSO



Possibilità refrigerante / Internal coolant

									
Shank/Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size/Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80-(110°)	80-(110°)	65-80-(110°)	80-(110°)	65-80-(110°)	80-(110°)	65-80-(110°)	80-(110°)	65-80-(110°)
S	35	35	35	41	42	45	38	40	40

Dual contact spindles available/Disponibilità coni a doppio contatto

Non interchangeable input drive shank/ Coni di attacco non intercambiabili

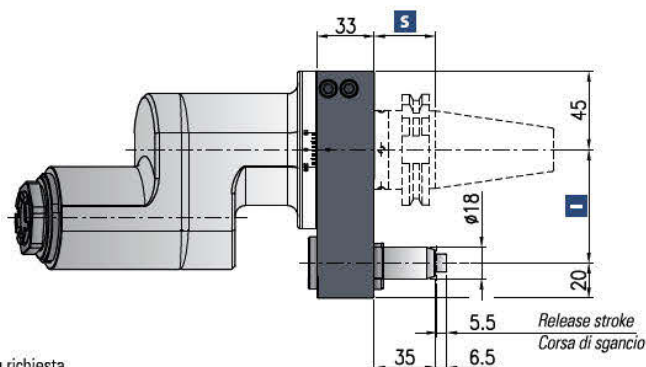
*optional



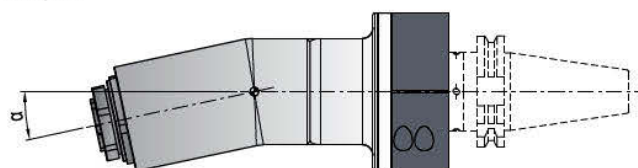
TDA LINEA TDA TESTE SPECIALI / SPECIAL HEADS

Per richieste speciali di teste con angoli inferiori a 15°, Alberti ha studiato una Linea TDA con possibilità di adduzione refrigerante interna alta pressione.

For all special inquiries of fixed angle heads with angles smaller than 15°, Alberti has developed a separate line of heads type TDA with internal coolant possibility.



Angolo personalizzato su richiesta
Customized α on request



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



Possibilità refrigerante / Internal coolant



Ratio
Rapporto
1:1



RPM up to
Velocità fino
10.000 min⁻¹



Angle
Angolo
A richiesta da
On request from
15°



Collet
Pinza
**ER-16(ø1/10mm)
ER-25(ø2/16mm)
ER-32(ø3/20mm)**

*** STANDARD EQUIPMENT INCLUDES:**



									
Shank/ <i>Cono</i>	DIN-69871 CAT		MAS-BT	HSK	CAPTO	KM			
Size/ <i>Grandezza</i>	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

Dual contact spindles available/Disponibilità coni a doppio contatto

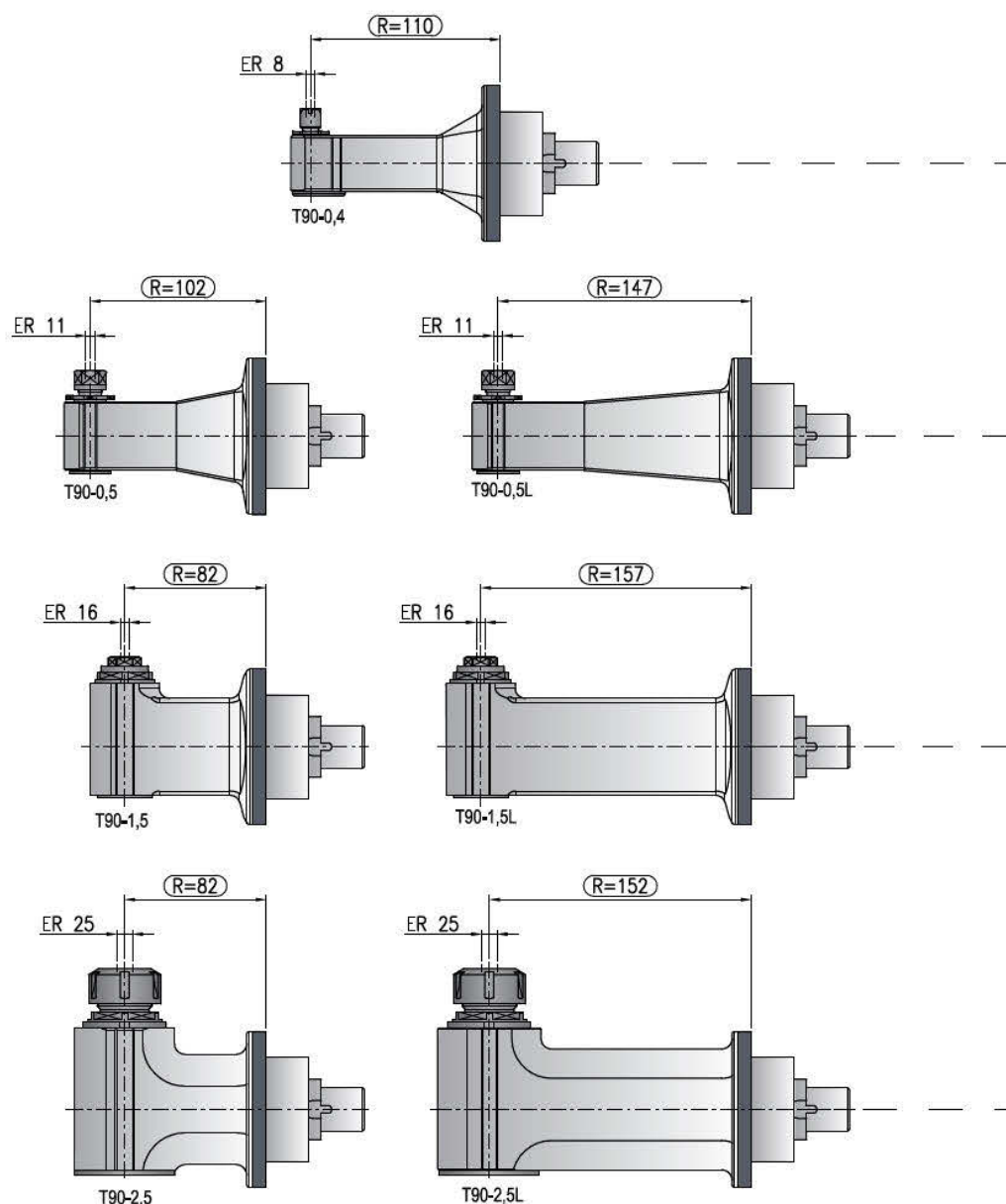
*optional

Non interchangeable input drive shank/ Coni di attacco non intercambiabili



8000 Rpm

6000 Rpm



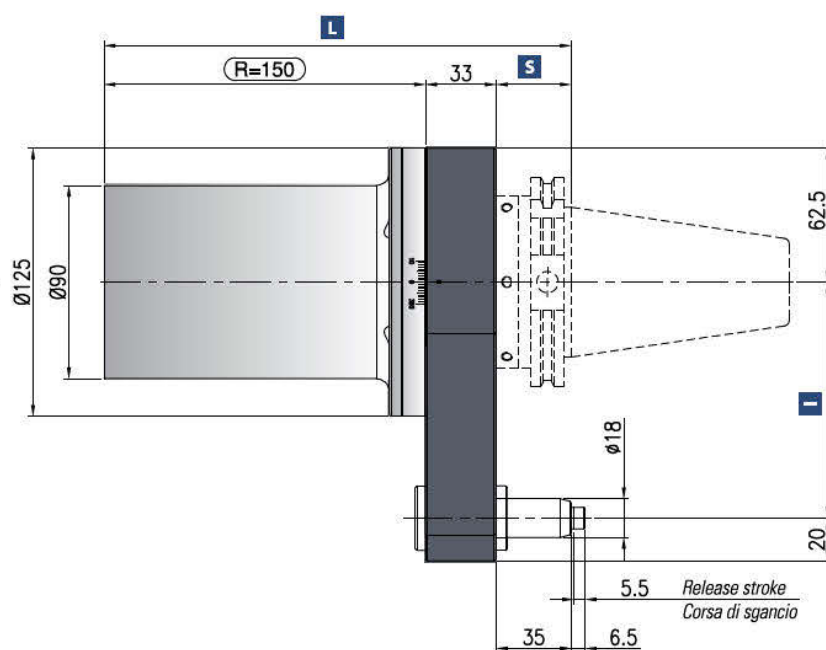
Caratteristiche tecniche a pagina/ Technical data page



Testa/Head	Pagina/Page
T90-0,4	62
T90-0,5	63
T90-0,5L	64
T90-1,5	65
T90-1,5L	66
T90-2,5	67
T90-2,5L	68

Le teste con prolunga sono composte da un blocco modulo di prolunga sul quale vengono montate una selezione di teste standard.

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

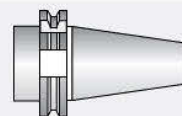


Retaining block / Tassello di ritegno / Stop-Block
NOT INCLUDED - NON INCLUSO

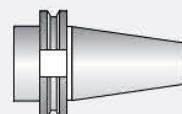
OPTIONAL DRIVE SHANK*

Non interchangeable input drive shank
Coni non intercambiabili

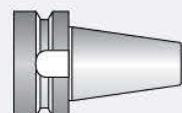
DIN-69871
ISO 50



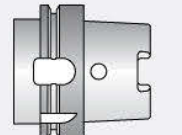
CAT
50



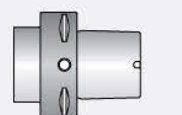
MAS-BT
50



HSK
63/80/100



CAPTO
C8



Weight
Peso / Gewicht
10 kg

* STANDARD EQUIPMENT INCLUDES:



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

Dual contact spindles available/Disponibilità coni a doppio contatto

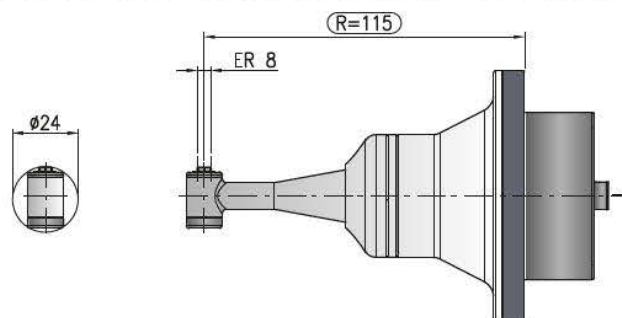
*optional

Lunghezza totale testa/ Total length (R+L)

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

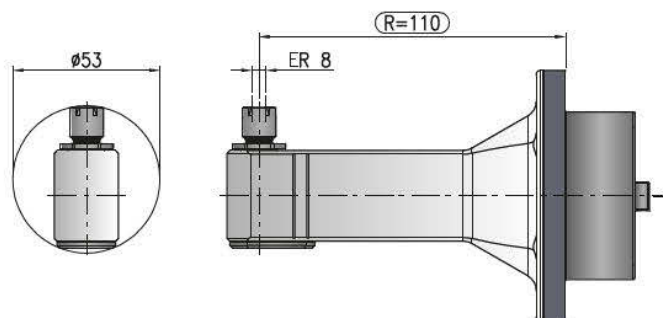
T90-0,3 SLIMLINE

Technical Data / Dati Tecnici		T90-0,3
RPM max input. / Max. Velocità input min ⁻¹		15.000
Ratio (reduction)		3:4
Weight / Peso	kg	3
Collet / Pinza		3mm



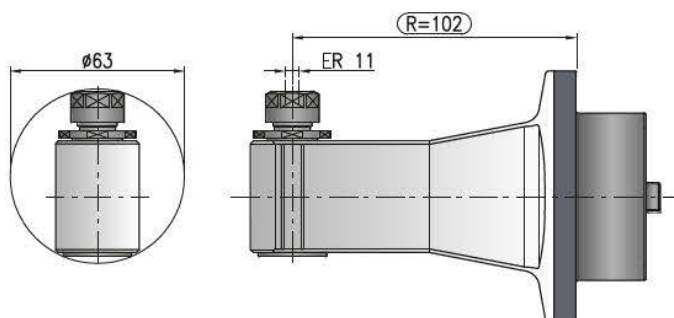
T90-0,4

Technical Data / Dati Tecnici		T90 0,4
RPM max input. / Max. Velocità input min ⁻¹		10.000
Ratio		1:1
Weight / Peso	kg	4
Collet / Pinza		ER8 0,5/5mm



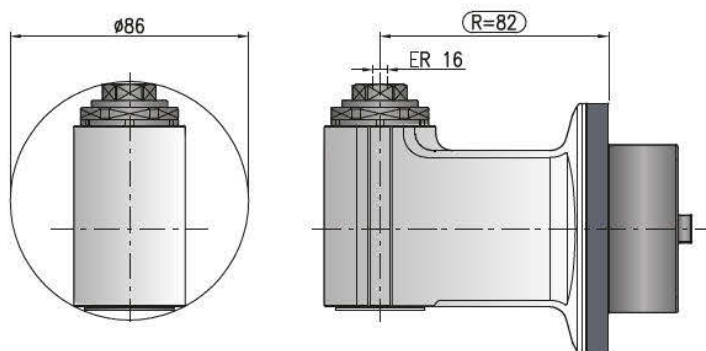
T90-0,5

Technical Data / Dati Tecnici		T90-0,5
RPM max input. / Max. Velocità input min ⁻¹		10.000
Ratio		1:1
Weight / Peso	kg	4
Collet / Pinza		ER-11 0,5/7mm



T90-1,5

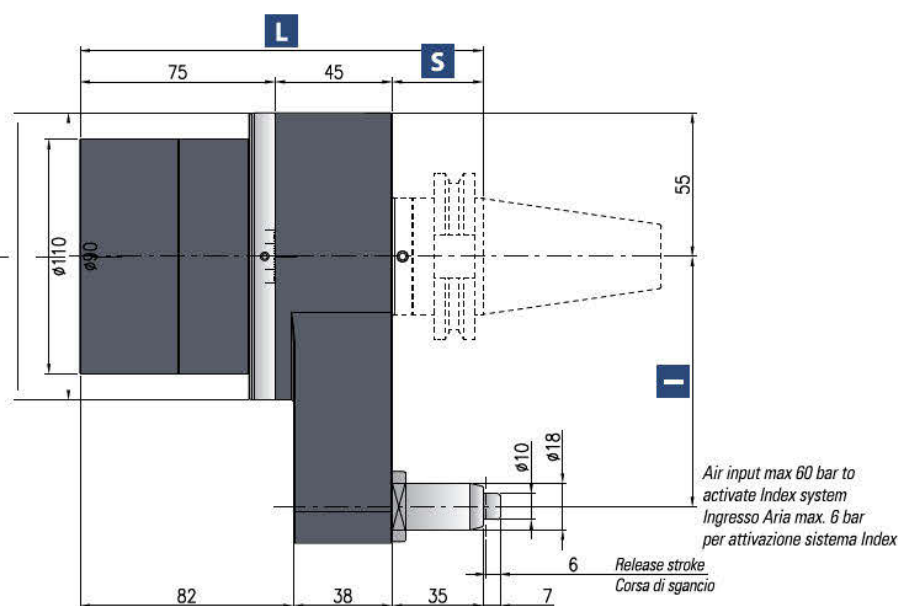
Technical Data / Dati Tecnici		T90-1,5
RPM max input. / Max. Velocità input min ⁻¹		8.000
Ratio		1:1
Weight / Peso	kg	4,3
Collet / Pinza		ER-16 1/10mm



LINEA CONTROL

Posizionamento automatico del portautensile su 360° tramite mandrino macchina tramite un sistema di frizione interno attivato da aria compressa max 6 bar. NESSUNA POSIZIONE FISSA. ORIENTAMENTO SU TUTTI GLI ANGOLI.

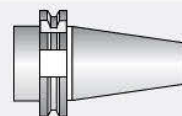
Automatic positioning of the cutting holder around 360° by using machine spindle through an internal clutch mechanism activated by compressed air max 6 bar. NO FIXED POSITION. ANY ANGLE POSSIBLE.



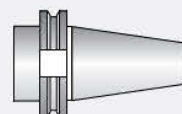
OPTIONAL DRIVE SHANK*

Non interchangeable input drive shank
Coni non intercambiabili

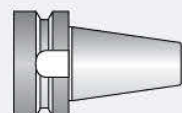
DIN-69871
ISO 40/50



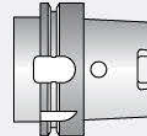
CAT
40/50



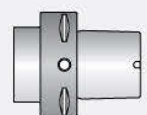
MAS-BT
40/50



HSK
63/80/100



CAPTO
C5/C6/C8



Weight
Peso / Gewicht
7,5 kg

* STANDARD EQUIPMENT INCLUDES:



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

Dual contact spindles available/Disponibilità coni a doppio contatto

*optional

Lunghezza totale testa/ Total length (R+L)

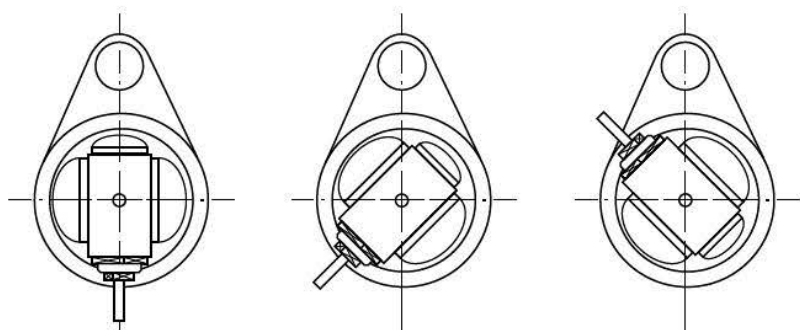
Shank/Cono		DIN-69871		CAT	MAS-BT		HSK		CAPTO	
Size/Grandezza		40		50	40	50	63-80	100	C5-C6	C8
T90-0.3 SLIMLINE	mm	270		270	270	276	277	280	273	275
T90-0.4	mm	265		265	265	271	272	275	268	270
T90-0.5	mm	257		257	257	263	264	267	260	262
T90-1.5	mm	237		237	237	243	244	247	240	242

LINEA CONTROL

TESTE INDEX INDEX HEADS

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

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



1. Porzione di testa modular standard posizionabile su 360°.
Portion of the standard modular Head to be oriented over 360°.
2. Porzione di testa con sistema INDEX.
Portion of the head with INDEX system.
3. Aria dallo Stop Block (6 bar).
Air trough the Stop Block (6 bar).

