

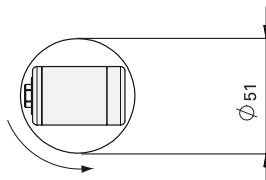
ROTAZIONE CON MANDRINO MACCHINA - SLIMLINE SPINDLE DRIVEN

RA-100

Diameter without tool with RA-100
Diametro senza utensile con RA-100

RPM max. output
Max. Velocità output

5.620 rpm



Technical Data / Dati Tecnici

RA-100

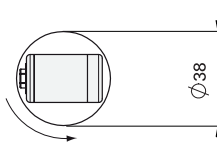
RPM max. input / Max. Velocità input	15.000
Rt. reduction / Rt. in riduzione	1/2,67
Weight / Peso	Kg 3,5

RA-200

Diameter without tool with RA-200
Diametro senza utensile con RA-200

RPM max. output
Max. Velocità output

10.000 rpm



Technical Data / Dati Tecnici

RA-200

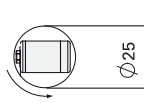
RPM max. input / Max. Velocità input	15.000
Rt. reduction / Rt. in riduzione	1/1,5
Weight / Peso	Kg 3,5

IC-300

Diameter without tool with IC-300
Diametro senza utensile con IC-300

RPM max. output
Max. Velocità output

11.250 rpm



Technical Data / Dati Tecnici

IC-300

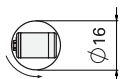
RPM max. input / Max. Velocità input	15.000
Rt. reduction / Rt. in riduzione	3/4
Weight / Peso	Kg 3

MFC-300 S

Diameter without tool with MFC-300
Diametro senza utensile con MFC-300

RPM max. output
Max. Velocità output

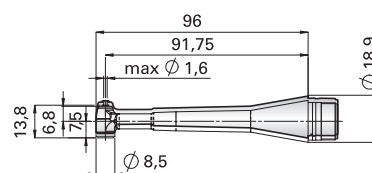
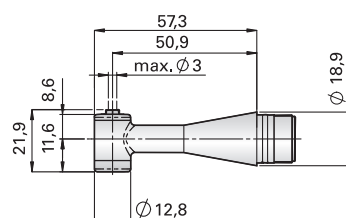
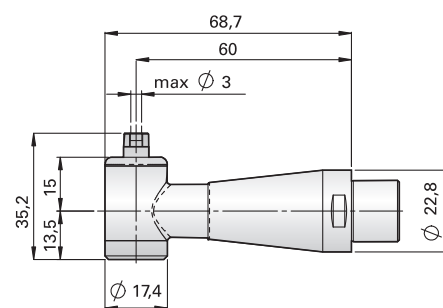
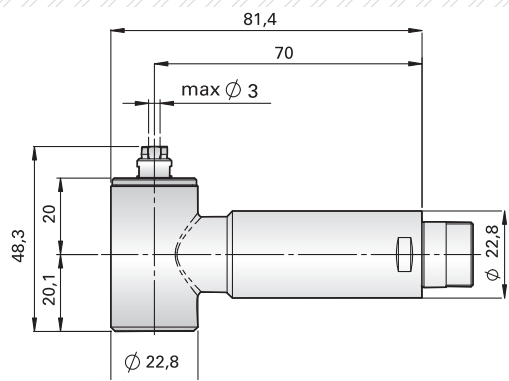
15.000 rpm



Technical Data / Dati Tecnici

MFC-300

RPM max. input / Max. Velocità input	15.000
Rt. reduction / Rt. in riduzione	1/1
Weight / Peso	Kg 3



Spindle Runout

Spindle accuracy
Precisione del Mandrino

0,002 mm
0,00008 inch.



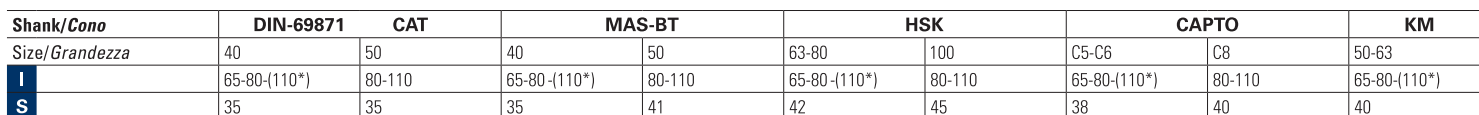
Coolant Option

It is possible to use external coolant during the machining.
Consentito usare refrigerante esterno durante la lavorazione.



Collet

RA-100	mm	CH8: Ø3 mm every 0,1 mm Ø 3mm
RA-200	mm	CHS: Ø3mm, 2,35 every 1,6 and Ø2,35, Ø3,175
IC-300	mm	CHC: Ø3mm, Ø2,35mm, Ø1,6 mm, Ø2,00mm and Ø3,175 mm
MFC-300	mm	K252 Ø1,6mm

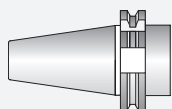


NOT INCLUDED
NON INCLUSO

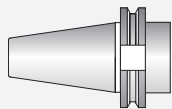
TESTE CON MOTORE AD ARIA AIR DRIVEN ANGLE HEADS

OPTIONAL DRIVE SHANK*

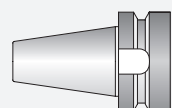
Non interchangeable input drive shank
Coni non intercambiabili



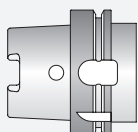
DIN-69871
ISO 40/50



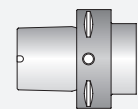
CAT
40/50



MAS-BT
40/50



HSK
63/80/100



CAPTO
63/80/100

Air line kit / Filtro regolatore aria

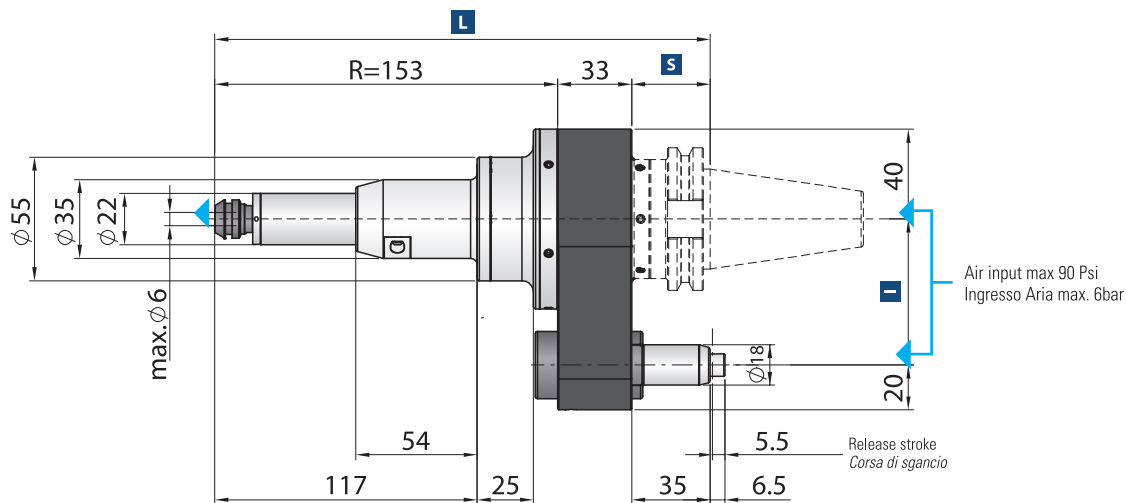


Retaining block /
Tassello di ritegno /
Stop-Block

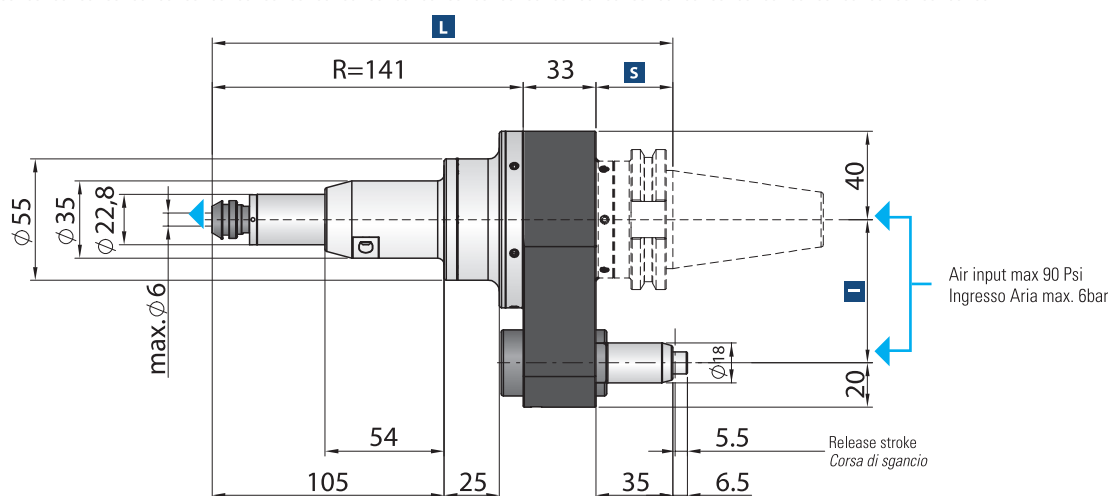


NOT INCLUDED
NON INCLUSO

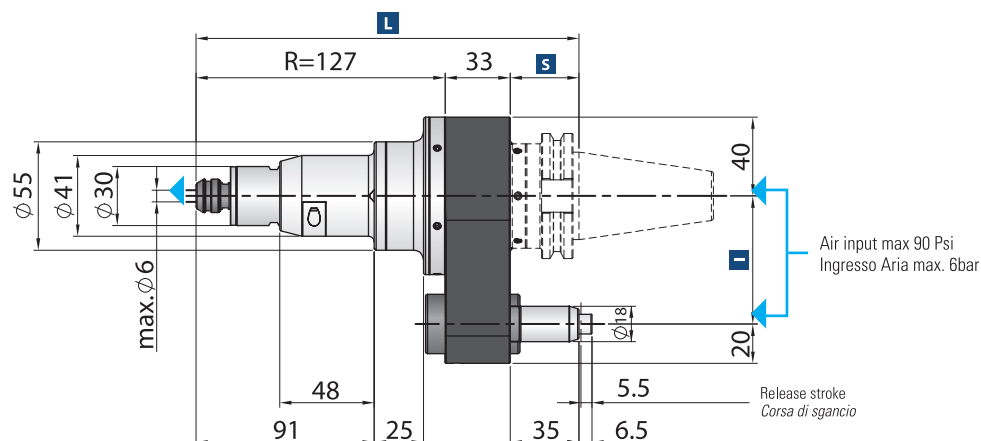
Turboflex 60.000 RPM



Turboflex 30.000 RPM



Turboflex 20.000 RPM



LINEA HIGH SPEED

DATI TECNICI TECHNICAL DATA

NR2351

Technical data / Dati tecnici		NR-2351
RPM max. / Max. Velocità	min ⁻¹	60.000 ± 10%
Type motor / Tipo di motore		AM-600
Power / Potenza	W	76
Air pressure / Pressione aria	bar	max. 6 (max. 90 Psi)
Air consumption / Consumo aria	NI/min	160
Weight / Peso	Kg	4

Disponibile anche senza flangia.
Also available without flange.



Collet

NR-2351
mm
CHK: ø 0,5 - max 6mm every 0,1



Coolant Option

Consentito usare refrigerante esterno durante la lavorazione.
It is possible to use external coolant during the machining.



Spindle Runout

Spindle accuracy
Precisione del Mandrino 0,002 mm
0,00008 inch.



È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa
It is strictly forbidden to rotate the machine spindle as it may cause damage to the head

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		
S	35		35		35		41		42		

*optional

NR303

Technical data / Dati tecnici		NR-303
RPM max. / Max. Velocità	min ⁻¹	30.000 ± 10%
Type motor / Tipo di motore		AM-310
Power / Potenza	W	108
Air pressure / Pressione aria	bar	max. 6 (max. 90 Psi)
Air consumption / Consumo aria	NI/min	226
Weight / Peso	Kg	4

Disponibile anche senza flangia.
Also available without flange.



Collet

NR-303
mm
CHK: ø 0,5 - max 6mm every 0,1



Coolant Option

Consentito usare refrigerante esterno durante la lavorazione.
It is possible to use external coolant during the machining.



Spindle Runout

Spindle accuracy
Precisione del Mandrino 0,002 mm
0,00008 inch.



È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa
It is strictly forbidden to rotate the machine spindle as it may cause damage to the head

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	42	38	40	40		

*optional

NR3060

Technical data / Dati tecnici		NR-3060
RPM max. / Max. Velocità	min ⁻¹	18.000 ± 10%
Type motor / Tipo di motore		AM-3020
Power / Potenza	W	125
Air pressure / Pressione aria	bar	max. 6 (max. 90 Psi)
Air consumption / Consumo aria	NI/min	178
Output RPM / N° Giri in uscita		18.000
Rt. reduction / Rt. in riduzione		1/1
Weight / Peso	Kg	4

Disponibile anche senza flangia.
Also available without flange.



Collet

NR-3060
mm
CHK: ø 0,8 - max 6mm every 0,1



Coolant Option

Consentito usare refrigerante esterno durante la lavorazione.
It is possible to use external coolant during the machining.



Spindle Runout

Spindle accuracy
Precisione del Mandrino 0,002 mm
0,00008 inch.



È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa
It is strictly forbidden to rotate the machine spindle as it may cause damage to the head

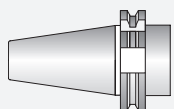
Shank/Cono	DIN 69871		CAT		MAS-BT		HSK		CAPTO		KM
Size/Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63		
I	65-80-(110*)	80-110	65-80-(110*)	80-110	65-80-(110*)	80-110	65-80-110	80-110	65-80-110		
S	35	35	35	41	42	42	38	40	40		

*optional

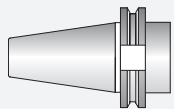
TESTE CON MOTORE AD ARIA AIR DRIVEN ANGLE HEADS

Turboflex 30.000 RPM

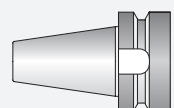
OPTIONAL DRIVE SHANK*
Non interchangeable input drive shank
Coni non intercambiabili



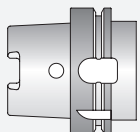
**DIN-69871
ISO 40/50**



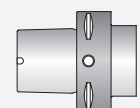
**CAT
40/50**



**MAS-BT
40/50**



**HSK
63/80/100**



**CAPTO
63/80/100**

Air line kit / Filtro regolatore aria

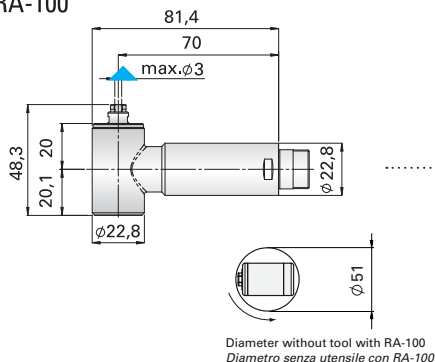


Retaining block /
Tassello di ritegno /
Stop-Block

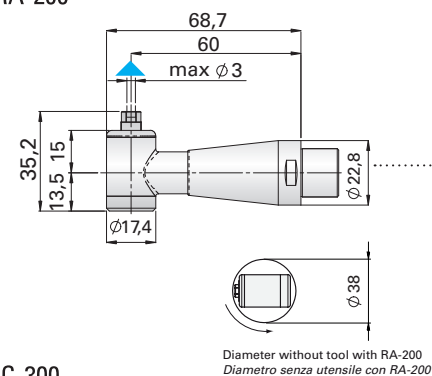


**NOT INCLUDED
NON INCLUSO**

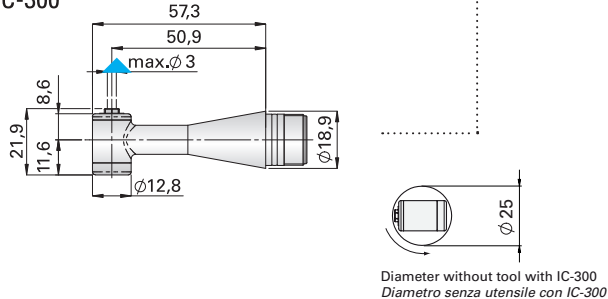
RA-100



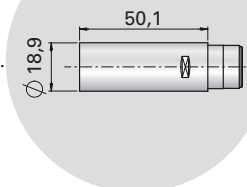
RA-200



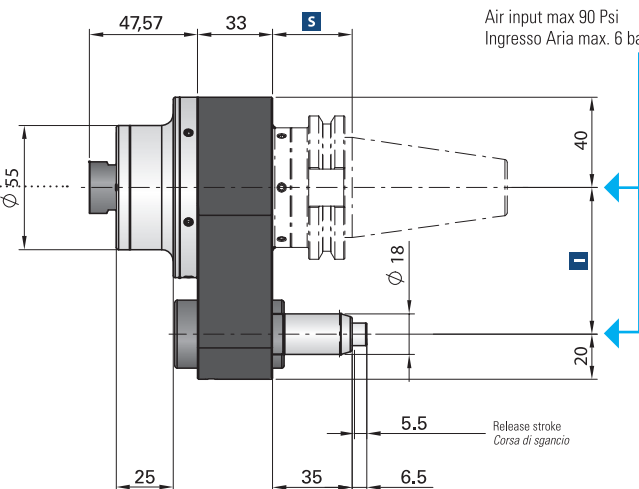
IC-300



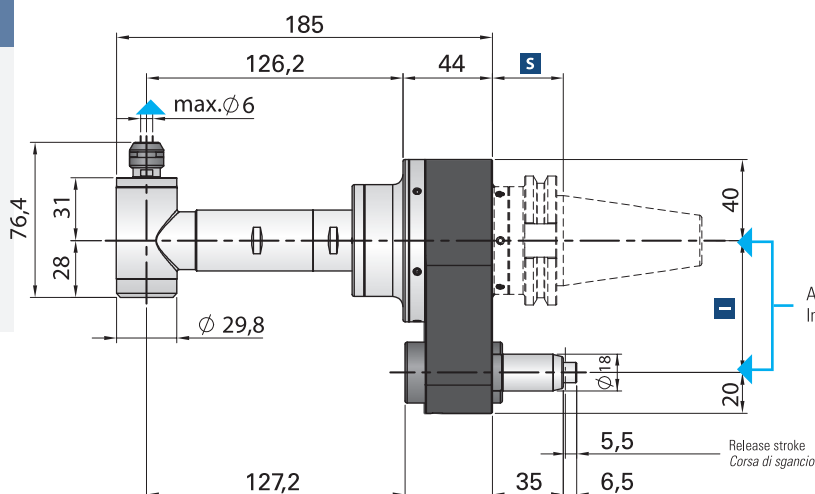
CN-01



Air input max 90 Psi
Ingresso Aria max. 6 bar



Turboflex 20.000 RPM



Possibilità di prolunga h = 35mm
Possibility for extension spaces h = 35mm

Air input max 90 Psi
Ingresso Aria max. 6 bar

LINEA HIGH SPEED

DATI TECNICI TECHNICAL DATA

Technical Data / Dati Tecnici		RA-100	RA-200	IC-300
RPM max. / Max. Velocità	min ⁻¹	30.000 ± 10%	30.000 ± 10%	30.000 ± 10%
Type motor / Tipo di motore		AM-310	AM-310	AM-310
Power / Potenza	W	108	108	108
Air pressure / Pressione aria	bar	max. 6 (max. 90 Psi)	max. 6 (max. 90 Psi)	max. 6 (max. 90 Psi)
Air consumption / Consumo aria	NI/min	226	226	226
Output RPM / N° Giri in uscita	min ⁻¹	11.230 ± 10%	20.000 ± 10%	22.000 ± 10%
Rt. reduction / Rt. in riduzione		1/2,67	1/1,5	3/4
Weight / Peso	Kg	4	4	4



Collet

RA-100 | mm | CH8: Ø0,8 Ø3 every 0,1 and Ø2,35 - Ø3,175

RA-200 | mm | CH8: Ø0,8 Ø3 every 0,1 and Ø2,35 - Ø3,175

IC-300 | mm | CH8: Ø0,8 Ø3 every 0,1 and Ø2,35 - Ø3,175



Spindle Runout

Spindle accuracy
Precisione del Mandrino | 0,002 mm
0,00008 inch.



Coolant Option

Consentito usare refrigerante esterno durante la lavorazione.
It is possible to use external coolant during the machining.



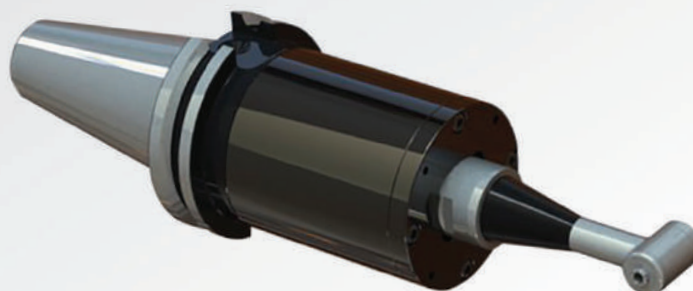
È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa

It is strictly forbidden to rotate the machine spindle as it may cause damage to the head

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	42	38	40	40

*optional

Disponibile anche senza flangia.
Also available without flange.



Technical Data / Dati Tecnici		RAX-271E
RPM max. / Max. Velocità	min ⁻¹	18.000 ± 10%
Type motor / Tipo di motore		AM-3020
Power / Potenza / Leistung	W	125
Air pressure / Pressione aria	bar	max. 6 (max. 90 Psi)
Air consumption / Consumo aria	NI/min	178
Output RPM / N° Giri in uscita	min ⁻¹	12.000
Rt. reduction / Rt. in riduzione		1/1,5
Weight / Peso	Kg	4



RAX-271 | mm | CHK: Ø 0,5
max 6mm every 0,1



Spindle Runout

Spindle accuracy
Precisione del Mandrino | 0,002 mm
0,00008 inch.



Coolant Option

Consentito usare refrigerante esterno durante la lavorazione.
It is possible to use external coolant during the machining.



È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa

It is strictly forbidden to rotate the machine spindle as it may cause damage to the head

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

*optional

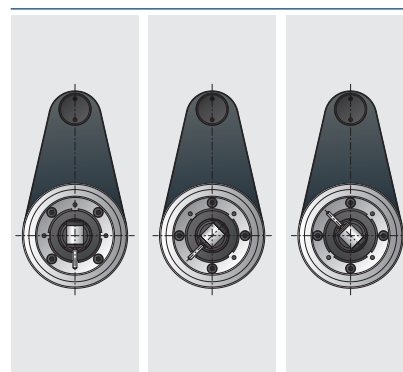
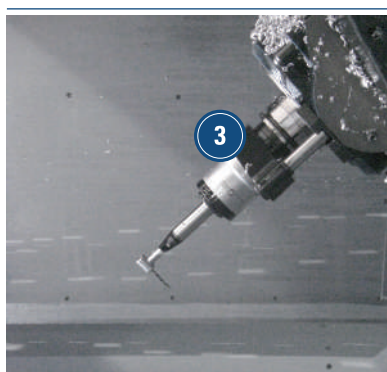
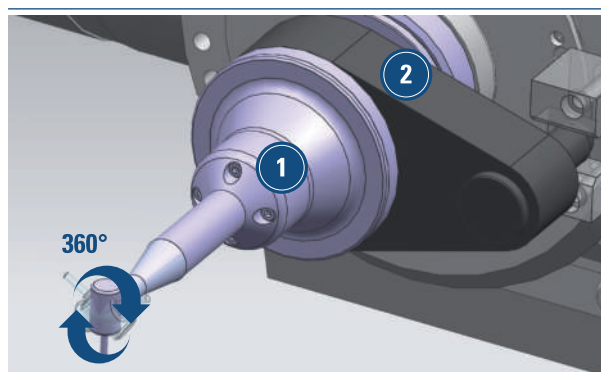
TURBOFLEX CON FLANGIA INDEXATA TURBOFLEX WITH INDEXING SYSTEM

The cutting tool can be positioned over 360 degrees thanks to the indexing of the C axis of the machine while the rotation is given by the air motor mounted inside the head.

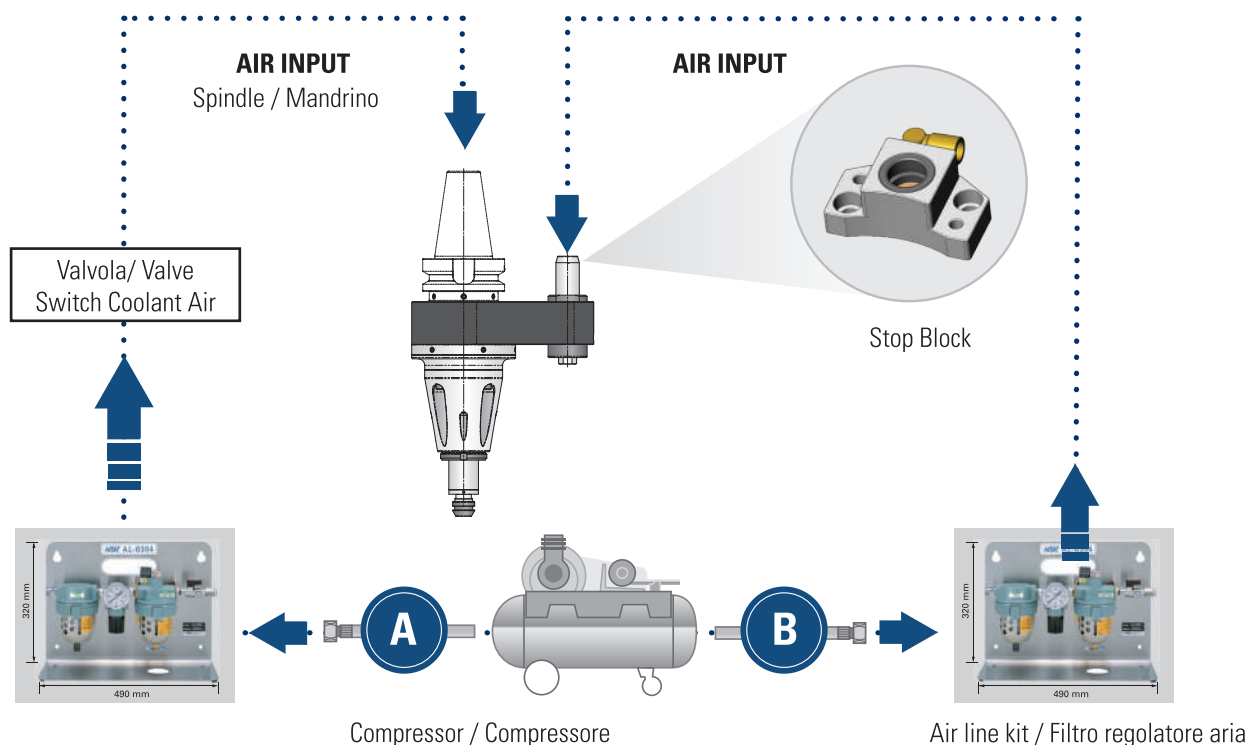
Il mandrino può essere posizionato su 360° grazie all'indexaggio dell'asse C della macchina, mentre la rotazione è assicurata dalla presenza del motore ad aria.

- 1 This portion rotates.
Questa parte ruota.
- 2 This portion remains fixed.
Questa parte resta ferma.

- 3 Air input from the machine spindle gives the rotation to the motor inside of the body.
L'aria garantisce la rotazione del motore nel corpo.
- The indexing system allows to self-position the tool without additional positioning.
Il sistema di indexaggio permette il posizionamento del mandrino su 360°.



COME FUNZIONA TURBOFLEX HOW IT WORKS



It is strictly forbidden to rotate the machine spindle as it may cause damage to the head
È severamente vietato far ruotare il mandrino macchina causa danneggiamento della testa