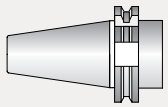
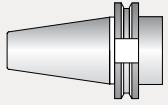


Teste con **MOTORE AD ARIA.**

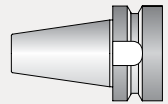
Air Driven angle heads



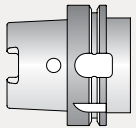
DIN-69871
ISO 40/50



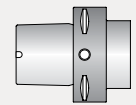
CAT
40/50



MAS-BT
40/50

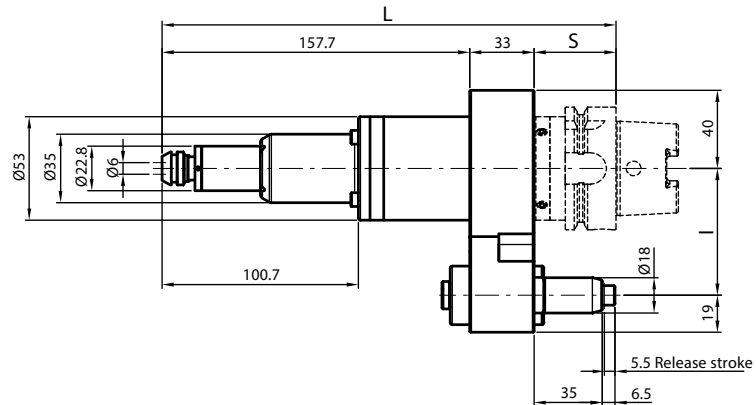


HSK
63/80/100

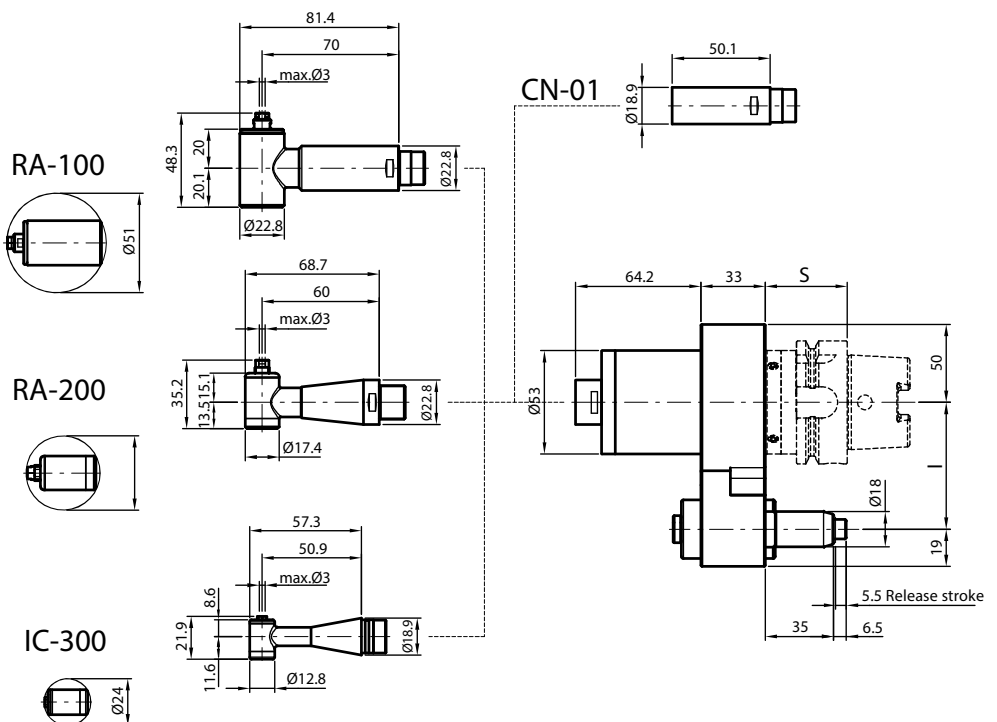


CAPTO
63/80/100

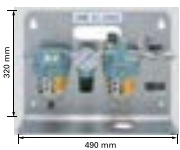
Turboflex 30.000 RPM AXIAL



Turboflex 30.000 RPM RADIAL



Air line kit / Filtro regolatore aria



Retaining block /
Tassello di ritegno /
Stop-Block



NOT INCLUDED / NON INCLUSO

DATI TECNICI.

Technical Data

NR-303

Technical data / Dati tecnici

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	l/min	226
Weight / Peso	Kg	4

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



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 | 0,002 mm
Precisione del Mandrino | 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

RA-100

RA-200

IC-300

Technical data / Dati tecnici

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	l/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: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



COLLET

RA-200
mm
CH8: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



COLLET

IC-300
mm
CH8: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



SPINDLE RUNOUT

Spindle accuracy | 0,002 mm
Precisione del Mandrino | 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

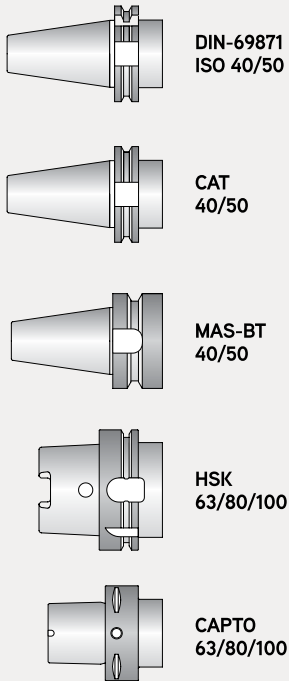
Shank / Cono	DIN-69871	CAT	MAS-BT		HSK		CAPTO		KM
Size / Grandezza	40	50	40	50	63-80	100	C5-C6	C8	50-63
I	65-80-(110*)	80-110	65-80-(110*)	80-110	65-80-110	80-110	65-80-110	80-110	65-80-110
S	35	35	35	41	42	42	38	40	40

*optional

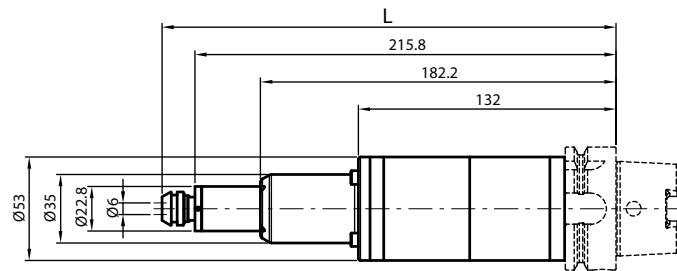
Teste con **MOTORE AD ARIA.**

Air Driven angle heads

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

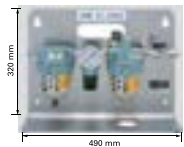


Turboflex 30.000 RPM AXIAL



Turboflex 30.000 RPM RADIAL

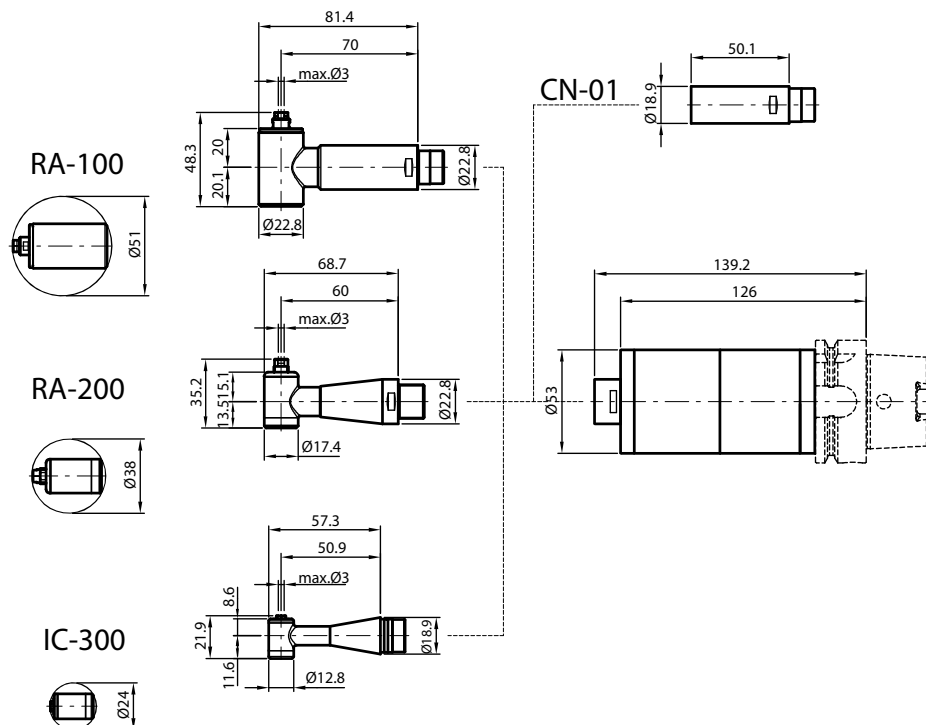
Air line kit / Filtro regolatore aria



*Retaining block /
Tassello di ritegno /
Stop-Block*



NOT INCLUDED / NON INCLUSO



DATI TECNICI.

Technical Data

NR-303

Technical data / Dati tecnici

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	l/min	226
Weight / Peso	Kg	4

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



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 | 0,002 mm
Precisione del Mandrino | 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

RA-100

RA-200

IC-300

Technical data / Dati tecnici

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	l/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: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



COLLET

RA-200
mm
CH8: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



COLLET

IC-300
mm
CH8: ø 0,8 ø 3 every 0,1 and ø 2,35 - ø 3,175



SPINDLE RUNOUT

Spindle accuracy | 0,002 mm
Precisione del Mandrino | 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

TURBOFLEX con flangia indexata.

Turboflex with indexing system

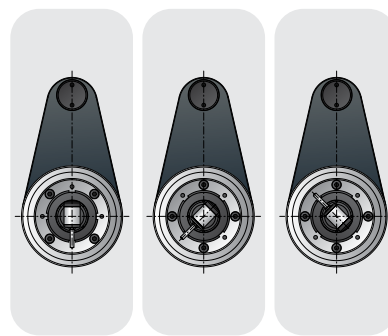
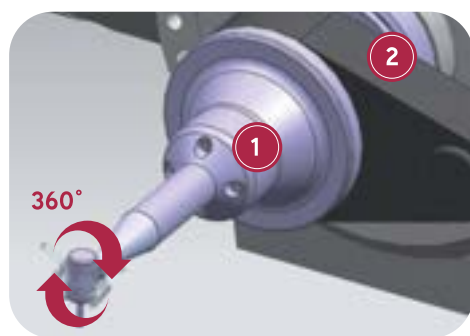
Il mandrino può essere posizionato su 360° grazie all'indexaggio dell'asse C della macchina, mentre la rotazione è assicurata dalla presenza del motore ad aria.

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.

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

- 3 L'aria garantisce la rotazione del motore nel corpo.
Air input from the machine spindle gives the rotation to the motor inside of the body.

Il sistema di indexaggio permette il posizionamento del mandrino su 360°.
The indexing system allows to self-position the tool without additional positioning.



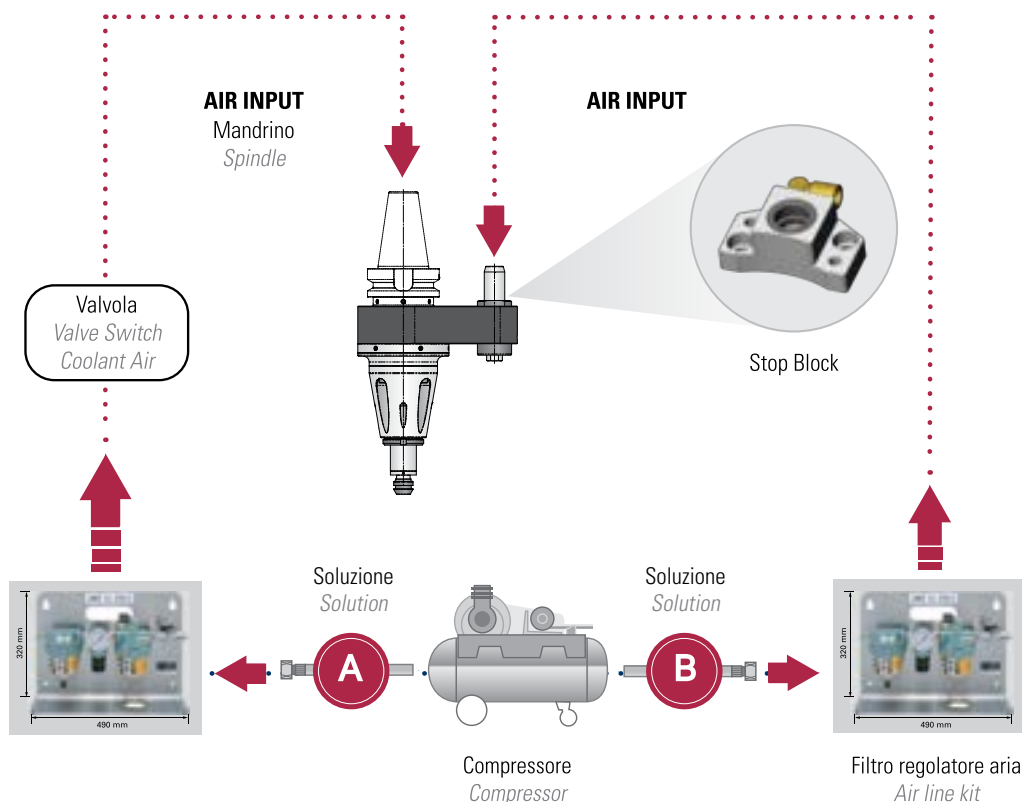
Come funziona TURBOFLEX.

How it works



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.



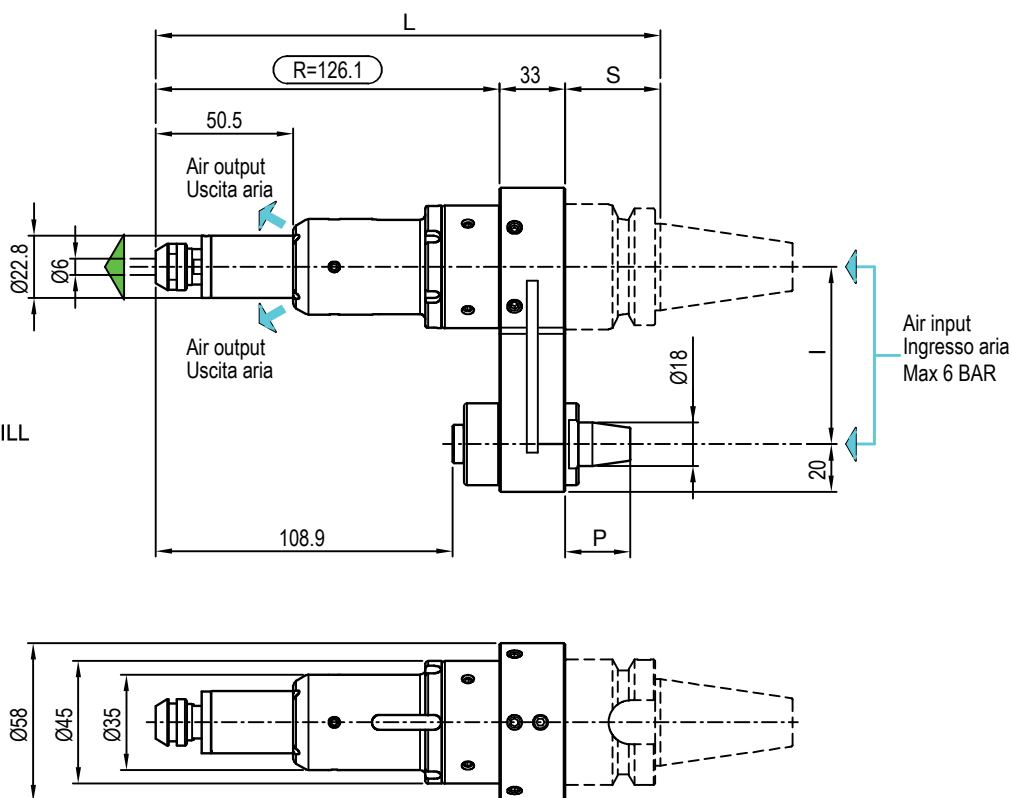


TURBODRILL NR-303.

Azionamento con motore ad aria / Driven through air motor

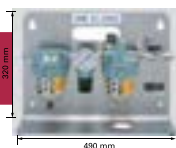


Il mandrino macchina non deve assolutamente girare
Machine spindle must not rotate



Possibilità di avere **TURBODRILL senza flangia** e perno con aria dal cono
Possibility of order **TURBODRILL without flange and pin** with air through spindle

Air line kit / Filtro regolatore aria



STANDARD EQUIPMENT INCLUDES:

- Testa / Manipolo NAKANISHI / Pinza Ø 3 mm / Chiavi di servizio / Libro istruzioni / Bauletto
- NAKANISHI Kit / Angle head / Collet Ø 3 mm / Wrenches / Instruction book / Case

PERFORMANCE / PRESTAZIONI

NR-303

Technical data / Dati tecnici

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



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.

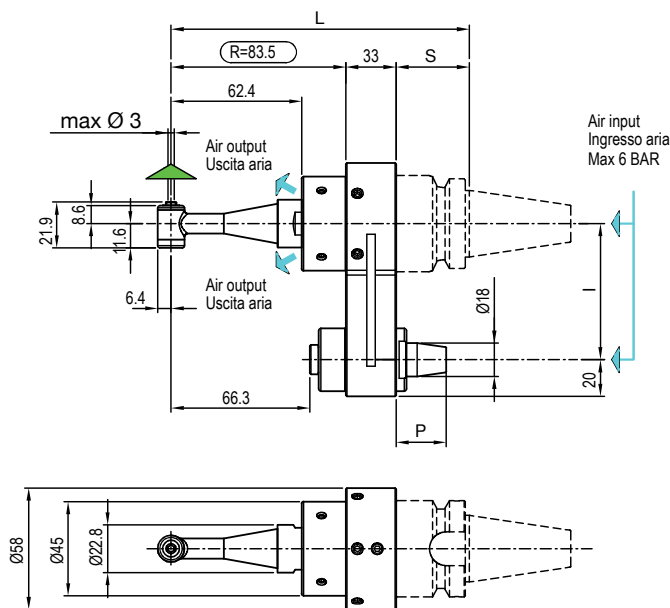
TURBODRILL

Azionamento con motore ad aria / Driven through air motor

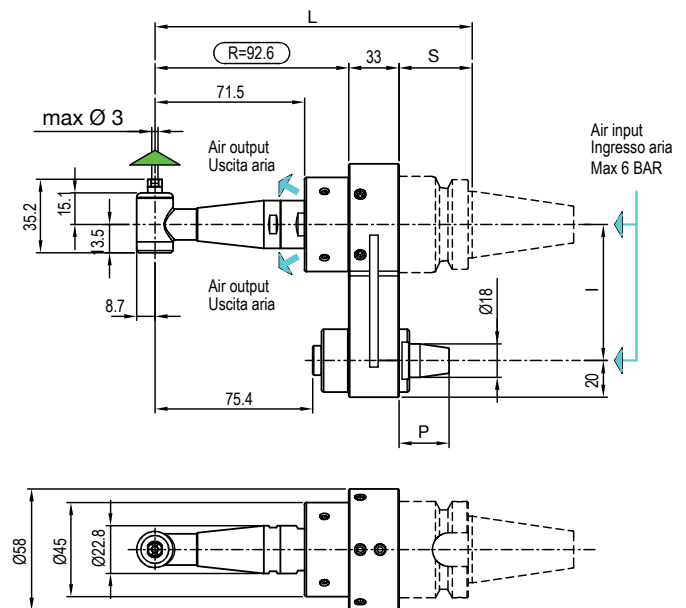


Il mandrino macchina non deve assolutamente girare
Machine spindle must not rotate

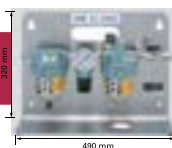
Turbodrill RADIALE IC 300 NEO



Turbodrill RADIALE RA 200 NEO



Air line kit / Filtro regolatore aria



STANDARD EQUIPMENT INCLUDES:

- Testa / Manipolo NAKANISHI / Pinza Ø 3 mm / Chiavi di servizio / Libro istruzioni / Bauletto
- NAKANISHI Kit / Angle head / Collet Ø 3 mm / Wrenches / Instruction book / Case

PERFORMANCE / PRESTAZIONI

IC-300

RA-200

Technical data / Dati tecnici

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



COLLET
RA-200
mm
CH8: ø 0,8 ø 3 every 0,1
and ø 2,35 - ø 3,175



COLLET
IC-300
mm
CH8: ø 0,8 ø 3 every 0,1
and ø 2,35 - ø 3,175



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