NEW ITM FOUNDATION

INDUSTRIAL TECHNOLOGIC MACHINE

MACCHINE SMUSSATRICI PORTATILI PER TUBI

- Pneumatiche
- Elettriche
- Idrauliche

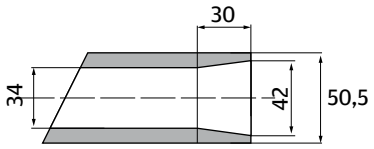
PIPE BEVELLING MACHINES

- Pneumatic
- Elettriche
- Hydraulic

LAVORAZIONI INTERNE

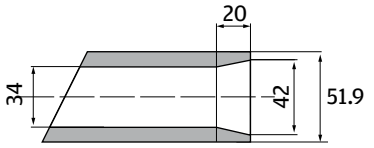
RASTREMATURA INTERNA TUBO

ø est 50mm sp. 8mm conicità 8”x30mm



LAVORAZIONE FRESA A GRAPPOLO

LAVORAZIONE CON DUE UTENSILI A 10°

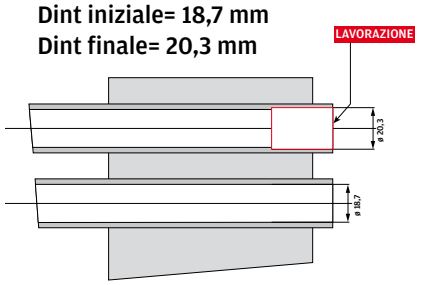


LAVORAZIONE CON N° 2 UTENSILI

MS67 Fresa a grappolo

ALESATURA TUBI PER FERRULE

Alesatura tubi scambiatore di calore per applicazione Ferule
Dint iniziale= 18,7 mm
Dint finale= 20,3 mm



MS60 Automatic range 3/8”÷2”

DESCRIZIONE DEI VARI MODELLI DI MACCHINE FRESATUBI PORTATILI PNEUMATICHE-ELETTRICHE IDRAULICHE

Impiegando soluzioni tecniche d’avanguardia, curando la facilità e l’estrema sicurezza operativa, la rapidità e la qualità delle lavorazioni, vogliamo sottoporvi una gamma completa di unità portatili per la preparazione perfetta del tubo alla saldatura (cianfrinatura), a partire da 3/8” (øe mm. 900). Numerosi kit permettono trasformazioni e lavorazioni speciali così da rendere le macchine modulari, da manuali in semiautomatiche e automatiche. Le nostre unità trovano il loro collocamento nella produzione di scambiatori calore, caldaie, forni industriali, nella costruzione e manutenzione di impianti petrolchimici, centrali elettriche e nucleari, piattaforme petrolifere, conduttore di fluidi di ogni tipo, etc.

VERSIONI DISPONIBILI

1. **GRUPPO MS.** Equipaggiate con motori pneumatici, Intercambiabili. Adatti per tubi a partire da 3/8” (øi mm. 10) fino a 2” (øe mm. 60.3) Mod. MS40 per il suo ingombro mandrino/testa, può cianfrinare tubi in parete distanti dall’altro 41 mm. e MS67/68 MM. quest’ ultima con vari kit, può essere: manuale, semiautomatica, automatica. Appositamente studiata per scambiatori di calore (lamatura-dissaldatura e alesatura per applicazioni Ferrule) e cianfrini su curve etc.
2. **GRUPPO MB.** Equipaggiate con motori intercam biabili pneumatici o elettrici, linea pregevole, compatte, maneggevoli e potenti Mod. MB80 adatte per tubi e curve a partire da 1” (øi mm. 27) a 3” (øe mm. 90) Mod. MB120. Adatta per tubi a partire da 1” 1/4” (”i mm. 35) fino a 4” (øe mm. 114.3) Mod. MB220. Macchina straordinaria che alla potenza sprigionata da una contenuta mole, ci permette la cinfrinatura dei tubi e curve a partire da 2” (øi mm. 50) fino a 8” (øe mm. 220)disponibili: manuali - semiautomatici - automatici.
3. **GRUPPO SL.** equipaggiate con motore pneumatico o idraulico. Mod. SL300 adatta per tubi e curve a partire da 2” 1/2” (øi mm. 65) fino ad 10” (øe mm. 273) aventi uno spessore di parete di mm. 28.6. Mod. SL400. É adatta per tubi e curve fino a 16” (øe mm. 406.4) aventi uno spessore di parete da 9.5 mm. fino a mm. 12.70. Mod. SL501 munita di avanzamento automatico trasversale, con uno o due carrelli, regolabili da 0° - 37° 30’ per tubi di notevole spessore a partire da 5” (øi mm. 132) fino a 24” (øe mm. 600). Mod. SL876 munita di avanzamento automatico trasversale con uno o due carrelli regolabili da 0° - 37° 30’ adatta per tubi di notevole spessore a partire da 15” (øi mm. 380) fino a 36” (øe mm. 900). Questo gruppo è trasformabile da macchina in macchina con speciali kit es. SL300 in SL400 - SL501 - SL876 e viceversa .
4. **GRUPPO FINISH.** Indispensabile per il ripristino in opera di sedi valvole e appoggio guarnizioni sulle flange con le seguenti possibilità di finiture 1) Stock finish 2) Spiral serrated 3) Concetrinc serrated 4) Smoth finish max 1123 mm.
5. **COLIBRI.** Macchina pneumatica a mandrino alternativo (ruota e avanza) specialmente realizzata per togliere i tronchetti, ripristinare alesature e cianfrini su collettori al carbonio e inox.

DESCRIPTION OF VARIOUS MODELS OF MACHINES FRESATUBI PORTABLE ELECTRIC PNEUMATIC-HYDRAULIC

Using cutting-edge technology, ensuring the ultimate ease and safety of operation, the speed and quality of work, we want to submit a complete range of portable units for the perfect preparation of the pipe welding (caulking), from 3/8 “(øe mm. 900). Many kits allow transformations and special processing in order to make the modular machines, from manual to semi-automatic and automatic. Our units find their placement in the production of heat exchangers, boilers, industrial furnaces, the construction and maintenance of petrochemical plants, power plants and nuclear, oil rigs, conductor fluids of all kinds, etc..

AVAILABLE

1. **GROUP MS.** Equipped with pneumatic motors, interchangeable. Suitable for pipes from 3/8 “(øi mm. 10) up to 2” (øe mm. 60.3) Mod MS40 for its encumbrance spindle/head, can caulking tubes in the other wall distant 41 mm. and MS67/68 MM. latter ‘with various kit can be: manual, semi-automatic, automatic. Specially designed for heat exchangers (sanding-Desoldering and boring applications Ferrule) on curves and bevels etc..
2. **GROUP MB.** Equipped with pneumatic or electric motors interchangeable changeable, fine line, compact, handy and powerful Mod MB80 suitable for pipes and bends from 1 “(øi mm. 27) to 3” (øe mm. 90) Mod MB120. Suitable for pipes from 1 “1/4” (“i mm. 35) up to 4” (øe mm. 114.3) Mod MB220. Amazing car that the power emitted by a limited amount, allows us to cinfrinatura of pipes and elbows from 2 “(øi 50 mm.) To 8” (øe mm. 220) available: manual - semi - automatic.
3. **GROUP SL.** equipped with pneumatic or hydraulic motor. Mod SL300 suitable for pipes and curves starting from 2 “1/2” (øi mm. 65) up to 10 “(øe mm. 273) having a wall thickness of mm. 28.6. Mod SL400. It is suitable for pipes and bends up to 16 “(øe mm. 406.4) having a wall thickness of 9.5 mm. to mm. 12.70. Mod SL501 fitted with automatic feed transverse, with one or two trolleys, adjustable from 0 ° - 37 ° 30 ‘for pipes of considerable thickness from 5 “(øi mm. 132) up to 24” (øe mm. 600) . Mod SL876 fitted with automatic feed transverse with one or two carriages adjustable from 0 ° - 37 ° 30 ‘suitable for pipes of considerable thickness as low as 15 “(øi mm. 380) up to 36” (øe mm. 900). This group is transformed from machine to machine with special kits eg. SL300 to SL400 - SL501 - SL876 and vice versa.
4. **FINISH GROUP.** Indispensable for the restoration work in support of valve seats and gaskets on the flanges with the following options for finishes 1) Stock finish 2) Spiral serrated 3) Concetrinc serrated 4) Smoth finish max 1123 mm.
5. **COLIBRI.** Pneumatic machine spindle alternative (wheel and advances) especially designed to remove the logs, restore boring and bevels on manifolds and carbon steel.

MS67 ø20÷42 mm - Int (3/4”÷1.1/2” est) Kit ø 12.5 ÷ 21,5 mm

Automatic locking device
Bloccaggio pneumatico automatico

MS67 F ø20÷54 mm - Int (3/4”÷2” est) Kit ø 12.5 ÷ 21,5 mm

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MS67E ø20÷54 mm - Int (3/4”÷2” est) Kit ø 12.5 ÷ 21,5 mm

DATI TECNICI	MS67E
Alimentazione	200 Volt
Velocità a vuoto	230g/min
Potenza massima	700 Watt
Coppia potenza massima	61 Nm
Per i dati vedi modelli pneumatici	

RAPPORTO DIAMETRO- SPESSORE MAX CONSIGLIATI			
mm	Inch.	Sch.	Sp..max
33.4	1"	160	6.35
60.3	2"	80	5.54

Dati Tecnici	MS 67 F	MS 67	MS 60
Alimentazione	6.3 bar	6.3 bar	6.3 bar
Consumo aria	950 Nl/min	600 Nl/min	600 Nl/min
Velocità a vuoto	190 rpm	150 rpm	150 rpm
Potenza Massima	640 Watt	430 Watt	430 Watt
Coppia massima potenza	64 Nm	55 Nm	55 Nm
Capacità Bloccaggio	20-54 mm	20-42 mm	20-42 mm
Corsa Macchina	23.2 mm	23.2 mm	23.2 mm
Dimensioni	67x300 mm	67x300 mm	60x300 mm
Peso	4.5 kg	4,0 kg	4,0 kg
Attacco aria	1/2 gas	1/2 gas	1/2 gas

MS67 - MS67F = pneumatic motors - motore pneumatico
MS67 E = electric motors - motore elettrico

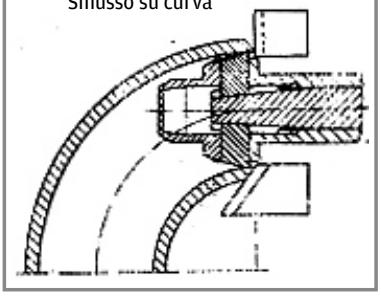
Pneumatic-electric motors are interchangeable MS67F, MS67E • I motori pneumatici sono intercabialili MS67F, MS67E
On request gear to trasform - τ2 = 275 PRM ti τ3 = 180 RPM • A richiesta kit di trasformazioni rapporti τ2 = 275 g/m a τ3 = 180g/m

LOCKING JAMS MORSETTI DI BLOCCAGGIO		
Rif.	**mm**	**inches**
A	20-24	0.79÷0.94
B	23-27	0.91÷1.06
C	26-30	1.02÷1.18
D	29-30	1.14÷1.30
E	32-36	1.26÷1.42
F	35-39	1.38÷1.54
G	38-42	1.50÷1.65
H	41-45	1.61÷1.77
I	44-48	1.73÷1.89
L	47-51	1.85÷2.01
M	50-54	1.97÷2.12

C. n. 000202 kit reduced shafts
Kit alberi ridotti

SET	Guide	Logking Jaws Morsetti di bloccaggio			Grip Arresti
C.n. -202/1	ø 12.4 C.n. 101408	Rif. A B	mm 12.5÷14.5 13÷15	inches 0.49÷0.57 0.51÷0.59	ø i - ø e 10.5÷11.5 11÷12
C.n. -202/2	ø 13.8 C.n. 101409	C D E	14÷16 15÷17 16÷18	0.55÷0.63 0.59÷0.67 0.63÷0.71	12÷13 12÷13.6 12÷13.5
C.n. -202/3	ø 16.8 C.n. 101410	F G H	17÷19 18÷20 19÷21	0.67÷0.75 0.71÷0.79 0.75÷0.73	13.7÷15.7 14.7÷16.7 14.7÷16.7
OPTIONAL Jawa /Morsetti		20÷25	0.78÷0.98		
C.n. 101406 Shaft guide • Albero guida			C.n. 101010 Shaft expansion • Albero espansione		

Elbow Beveling
Smusso su curva

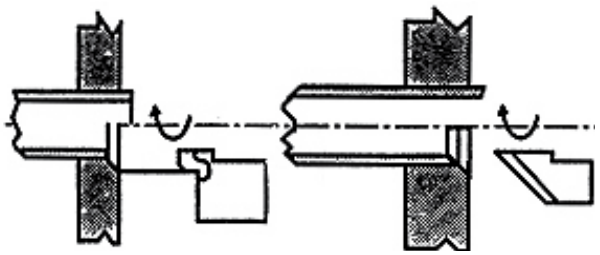


C.n. 00203 Elbow lockins
Bloccaggi per curve

Shaft • Albero ø 25

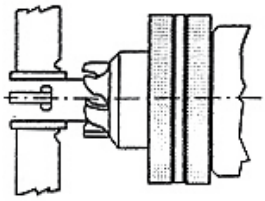
Rif.	mm	inches	Rif.	mm	inches
A	26-30	1.02÷1.18	A	38-42	1.50÷1.65
B	29-33	1.14÷1.30	B	41-45	1.61÷1.77
C	32-36	1.26÷1.42	C	44-48	1.73÷1.89
D	35-39	1.38÷1.54	D	47-51	1.85÷2.01
			I	50-54	1.97÷2.13

Seal Weld Removal
Dissaldare tubo

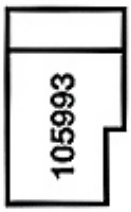


Locking on Thin Tubes
Bloccaggio tubi sottili

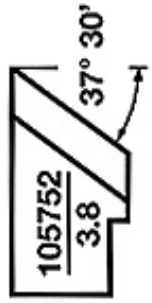
Groowing Tool
Frese per canalini



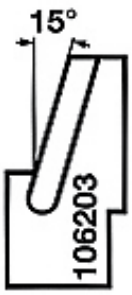
Set cutting tools standard
SET UTENSILI STANDARD



For Spot Facing
Per sfacciare



Esternal Bevels
Smussi esterni



Internal Belvels
Smussi interni

MS60 ø20÷42 (ø12.5÷21)

Model MS60 F/E has a clearance of 2.36 inches • Modello MS60 F/E ha ingombro di 60 mm

Model MS60 F/E = pneumatic motors/motore pneumatico • MS60E = eletric motors/motore elettrico

Modello MS67

MB80 26-29mm-int (1” sch 40-3” est)

MB80E 26-29mm-int (1” sch 40-3” est)

Automatic locking device
Bloccaggio pneumatico automatico

PROLUNGA MANDRINO PER TUBI ø 4” - 5” - 6”

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RAPPORTO DIAMETRO- SPESSORE MAX CONSIGLIATI				
Ø mm	Inch.	Sch.	Sp..max	Modello consigliato
60.3	2"	160	8.74	
88.9	3"	80	Oltre 7,62	MB 80-640W
88.9	3"	160	11,13	MB 80-820W

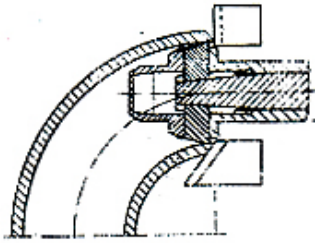
Dati Tecnici	MB 80-640W	MB 80-820W	MB 80E/5V
Alimentazione	6.3 bar	6.3 bar	
Alimentazione			110-220 volt
Consumo aria	950 Nl/min	1300 Nl/min	
Velocità a vuoto	140 RPM	90 RPM	37-52-84-116-155 RPM
Potenza Massima	640 Watt	820 Watt	1200 Watt
Coppia massima potenza	87 Nm	174 Nm	310Nm - 74Nm
Capacità Bloccaggio ø int.	26-79 mm (1”sch.40 - 3”est)		
Corsa Macchina	40.2 mm		
Dimensioni	80x390 mm		
Peso	7.5 kg	8,5 kg	9 kg
Attacco aria	1/2 gas	1/2 gas	

MB80, MB80E = electric motors are interchangeable
MB80, MB80E = I motori pneumatici - elettrici sono intercambiabili

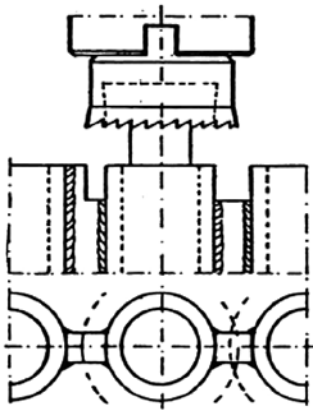
MB80 = pneumatic motors - motore pneumatico
MS80 E = electric motors - motore elettrico

LOCKING JAMS MORSETTI DI BLOCCAGGIO		
Rif.	**mm**	**inches**
A	26-30	1.02÷1.18
B	27-31	1.06÷1.22
C	30-34	1.18÷1.34
C	33-37	1.30÷1.46
D	36-40	1.42÷1.57
E	39-43	1.64÷1.69
F	42-46	1.65÷1.81
G	45-49	1.77÷1.93
H	48-52	1.89÷2.05
I	51-55	2.01÷2.17
L	54-58	2.13÷2.28
M	57-61	2.24÷2.40
N	60-64	2.36÷2.52
O	63-67	2.48÷2.64
P	66-70	2.60÷2.76
Q	69-73	2.72÷2.87
R	72-76	2.83÷2.89
S	75-79	2.95÷3.11

Elbow Beveling
Smusso su curva



Milling cutter
Fresa per togliere alettatura

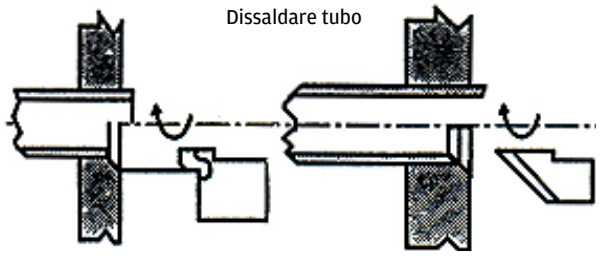


C.n. 000206 Kit reduced interchangeable shaft ø 0.49 - 1.65 inches
Kit albero ridotto intercambiabile ø 20-42 mm

C.n. 000207 Kit reduced interchangeable shaft ø 1.38 - 4.09 inches
Kit albero ridotto intercambiabile ø 35-104 mm

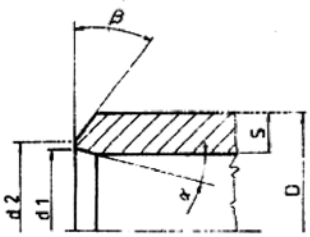
C.n. 000228 Elbows lockins Bloccaggi per curve		
Shaft/Albero ø45		
Rif.	**mm**	**Inches**
A	47÷52	1.85÷2.05
B	51÷56	2.01÷2.20
C	55÷60	2.32÷2.52
D	63÷66	2.48÷2.68
E	67÷72	2.64÷2.83
F	71÷76	2.80÷2.99

Seal Weld Removal
Dissaldare tubo

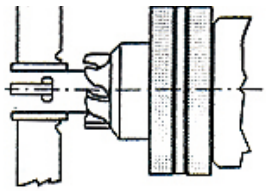


Locking on Thin Tubes
Bloccaggio tubi sottili

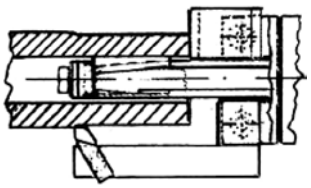
example of bevel
esempio di smusso



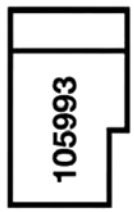
Groowing Tool
Frese per canalini



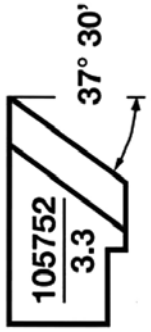
External turning
Tornitura esterna



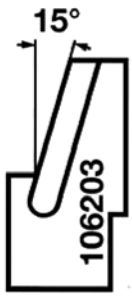
Set cutting tools standard
SET UTENSILI STANDARD



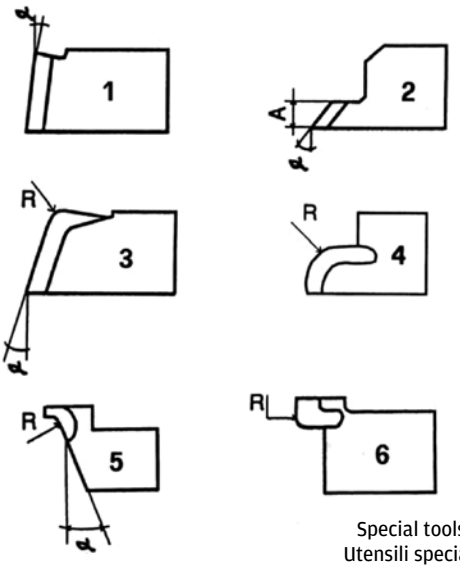
For Spot Facing
Per sfacciare



Esternal Bevels
Smussi esterni

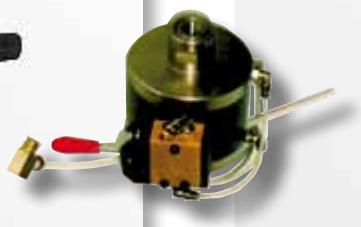


Internal Belvels
Smussi interni



Special tools
Utensili speciali

MB130 ø35÷132mm - int (1.1/4”÷5” est)



Automatic locking device
Bloccaggio pneumatico automatico

MB120 F 1. 1/4”÷4” (ø35÷104)

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MB120 E
1. 1/4”÷4” (ø35÷104)

Dati Tecnici	MB 130	MB 130 E/5V	MB 120 F	MB 120 E/5V
Alimentazione	6.3 bar		6.3 bar	
Alimentazione		220 volt		220 volt
Consumo aria	1200 Nl/min		1300 Nl/min	
Velocità a vuoto	60 rpm	29-39-66-89 125 rpm	90 RPM	37-52-84-116 155 rpm
Potenza Massima	750 Watt	1200 Watt	820 Watt	1200 Wat
Coppia massima potenza	238 Nm	396 Nm - 92 Nm	174 Nm	310 - 74 Nm
Capacità Bloccaggio	ø35+132 mm-int ø1,1/4”- 5” est		ø35+104 mm-int ø1,1/4”- 4” est	
Corsa Macchina	38.2 mm	38.2 mm	40.2 mm	40.2 mm
Dimensioni	154x410 mm	154x410 mm	80x90 mm	80x90 mm
Peso	12.2 kg	13.2 kg	9 kg	9,5 kg
Attacco aria	1/2 gas		1/2 gas	

RAPPORTO DIAMETRO SPESSORE MAX CONSIGLIATI			
Ø mm	Inch.	Sch.	Sp..max
88.9	3"	160	11,12
114,3	4”	120	11,12
141,3	5”	80	9,52

MB130 - MB120 F = pneumatic motors - motore pneumatico MS120 E = electric motors - motore elettrico

Pneumatic-electric motors are interchangeable MB12OF, MB12OE • I motori pneumatici - elettrici sono intercabialili MB12OF, MB12OE

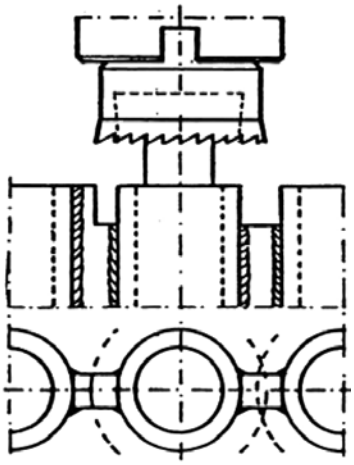
LOCKING JAMS MORSETTO DI BLOCCAGGIO		
Rif.	**mm**	**inches**
A	35÷40	1.38÷1.57
B	39÷44	1.54÷1.73
C	43÷48	1.69÷1.89
D	47÷52	1.85÷2.05
E	51÷56	2.01÷2.20
F	55÷60	2.17÷2.36
G	59÷64	2.32÷2.52
H	63÷68	2.48÷2.68
I	67÷72	2.64÷2.83
L	71÷76	2.80÷2.99
M	75÷80	2.95÷3.15
N	79÷84	3.11÷3.31
O	83÷88	3.27÷3.46
P	87÷92	3.43÷3.62
Q	91÷96	3.58÷3.78
R	95÷100	3.74÷3.94
S	99÷104	3.90÷4.09

C.n. 000233 Elbows lockins Bloccaggi per curve		
Shaft/Albero ø45		
Rif.	**mm**	**Inches**
A	47÷52	1.85÷2.05
B	51÷56	2.01÷2.20
C	55÷60	2.32÷2.52
D	63÷68	2.48÷2.68
E	67÷72	2.64÷2.83
F	71÷76	2.80÷2.99
G	75÷80	2.95÷3.15
H	79÷84	3.11÷3.31
I	83÷88	3.27÷3.46
L	87÷92	3.43÷3.62
M	91÷96	3.58÷3.78
N	95÷100	3.74÷3.94
O	99÷104	3.90÷4.09

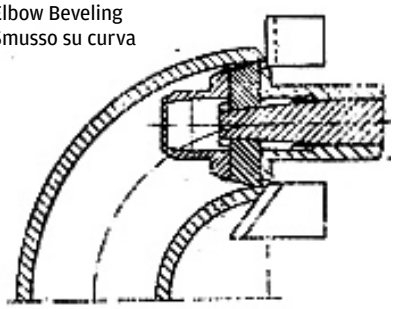
C.n. 000206
Kit reduced interchangeable shaft ø 0.79 - 1.65 inches
Kit albero ridotto intercambiabile ø 20-42 mm

C.n. 000227
Kit reduced interchangeable shaft ø 1.10 - 2.99 inches
Kit albero ridotto intercambiabile ø 28-76 mm

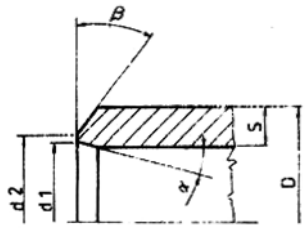
Milling cutter
Fresa per togliere alettatura



Elbow Beveling
Smusso su curva

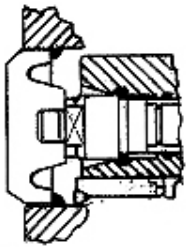


example of bevel
esempio di smusso

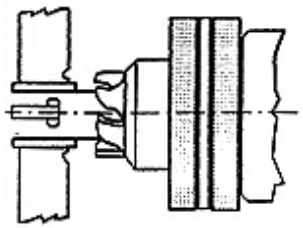


Locking on Thin Tubes
Bloccaggio tubi sottili

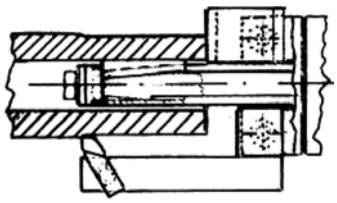
Velding Removal in Deep Holes
Asportazione saldatura in fori profondi

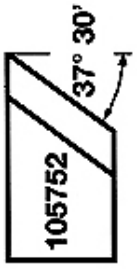
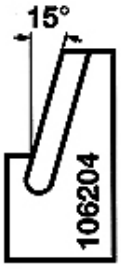


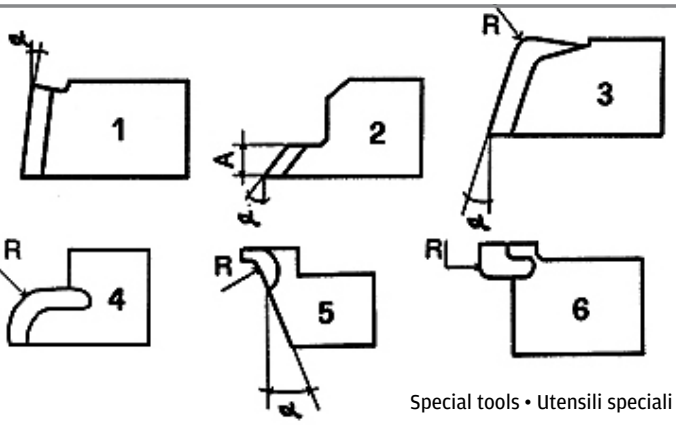
Groowing Tool
Frese per canalini



External Turning
Tornitura esterna



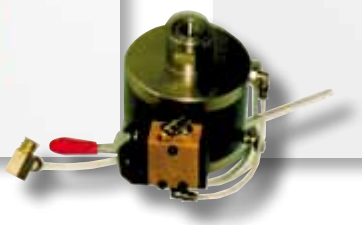
Set cutting tools standard SET UTENSILI STANDARD		
		
For Spot Facing Per sfacciare	Esternal Bevels Smussi esterni	Internal Belvels Smussi interni



Special tools • Utensili speciali

MB120 sp E
Range ø 20÷109 mm int (3/4” - 4” est)

MB120 sp F
Range ø 20÷109 mm int (3/4” - 4” est)



Automatic locking device
Bloccaggio pneumatico automatico

NEW ITM FOUNDATION
INDUSTRIAL TECHNOLOGIC MACHINE

Via Ferrari, 68 - 46045 MARMIROLO (Mantova) Tel. 0376 466959 • Cell. 347 3105010 • Fax: 0376 1501274

E-Mail: info@newitmfoundation.com • renato.pr1@alice.it • www.newitmfoundation.com
YouTube: www.youtube.com/user/NEWITMFOUNDATION

Dati Tecnici	MB 120sp F	MB 120sp E/5V
Alimentazione	91 PSI 6,3 Bar	
Alimentazione		220 volt
Consumo aria	1300 Nl/min	
Velocità a vuoto	90 RPM	37-52-84-116-155 RPM
Potenza Massima	820 watt	1200 watt
Coppia massima potenza	174 Nm	310 - 74 Nm
Capacità Bloccaggio	Ø 20 -109 mm-int Ø 3/4” - 4” est	Ø 20 -109 mm/int Ø 3/4” - 4” est
Corsa Macchina	40.2 mm	40.2 mm
Dimensioni	80x390 mm	80x390 mm
Peso	9 kg	9,5 kg
Attacco aria	1/2 gas	

RAPPORTO DIAMETRO SPESSORE MAX CONSIGLIATI			
mm	Inch.	Sch.	sp. max
88.9	3"	160	11.12
114.3	4"	120	11,12

MB120 F = pneumatic motors - motore pneumatico MB120 E = electric motors - motore elettrico

Pneumatic-electric motors are interchangeable MB12OF, MB12OE • I motori pneumatici - elettrici sono intercabialili MB12OF, MB12OE

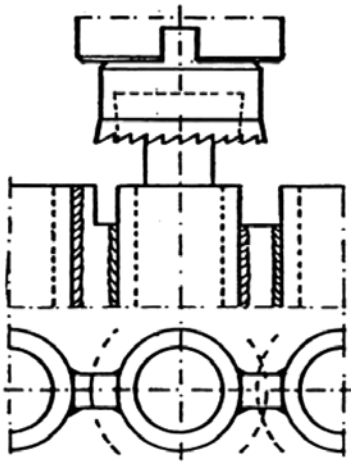
LOCKING JAMS MORSETTI DI BLOCCAGGIO					
Rif.	mm	inches	Rif.	mm	inches
A*	20-24	0.79÷0.94	O	63-67	2.48÷2.64
B*	23-27	0.91÷1.06	P	66-70	2.60÷2.76
C*	26-30	1.02÷1.18	Q	72-76	2.83÷2.99
A	27-31	1.06÷1.18	R	75-79	2.95÷3.11
B	30-34	1.18÷1.34	S	78-82	3.07÷3.23
C	33-37	1.30÷1.46	T	81-85	3.19÷3.35
D	36-40	1.42÷1.57	U	84-88	3.31÷3.47
E	39-43	1.54÷1.69	V	87-91	3.43÷3.59
F	42-46	1.65÷1.81	Z	90-94	3.55÷3.71
G	45-49	1.77÷1.93	X	93-97	3.67÷3.83
H	48-52	1.89÷2.05	Y	96-100	3.79÷3.95
I	51-55	2.01÷2.17	K	99-103	3.91÷4.06
L	54-58	2.13÷2.28	W	102-106	4.02÷4.18
M	57-61	2.24÷2.40	W*	105-109	4.14÷4.30
N	60-64	2.36÷2.52			

C.n. 000233 Elbows lockins Bloccaggi per curve		
Shaft/Albero ø45		
Rif.	mm	Inches
A	47÷52	1.85÷2.05
B	51÷56	2.01÷2.20
C	55÷60	2.32÷2.52
D	63÷68	2.48÷2.68
E	67÷72	2.64÷2.83
F	71÷76	2.80÷2.99
G	75÷80	2.95÷3.15
H	79÷84	3.11÷3.31
I	83÷88	3.27÷3.46
L	87÷92	3.43÷3.62
M	91÷96	3.58÷3.78
N	95÷100	3.74÷3.94
O	99÷104	3.90÷4.09

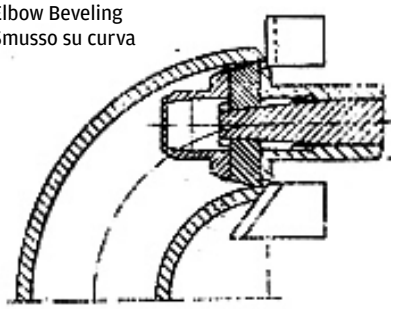
C.n. 000206
Kit reduced interchangeable shaft ø 0.79 - 1.65 inches
Kit albero ridotto intercambiabile ø 20 - 42 mm

C.n. 000227
Kit reduced interchangeable shaft ø 1.10 - 2.99 inches
Kit albero ridotto intercambiabile ø 28 - 76 mm

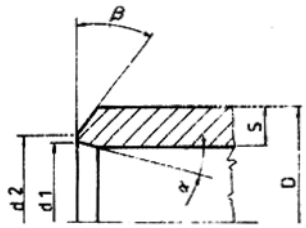
Milling cutter
Fresa per togliere alettatura



Elbow Beveling
Smusso su curva

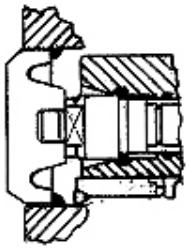


example of bevel
esempio di smusso

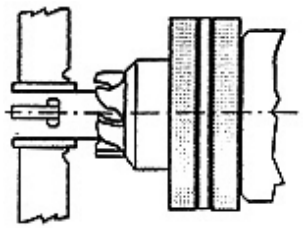


Locking on Thin Tubes
Bloccaggio tubi sottili

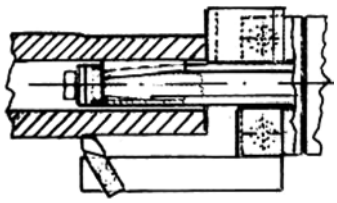
Velding Removal in Deep Holes
Asportazione saldatura in fori profondi

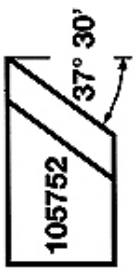
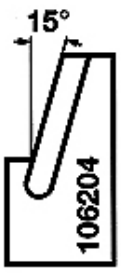


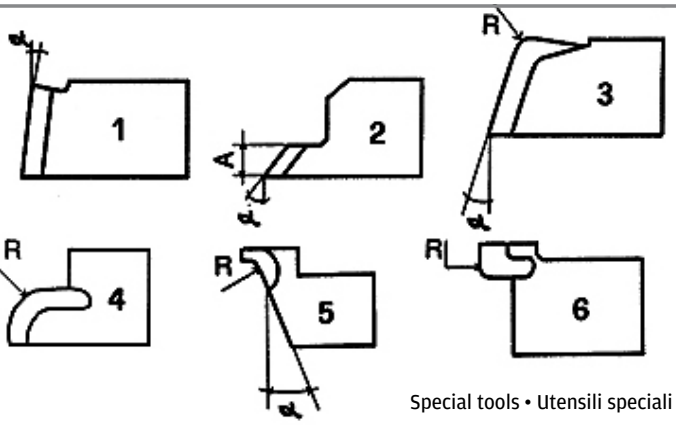
Groowing Tool
Frese per canalini



External Turning
Tornitura esterna



LOCKING JAMS MORSETTI DI BLOCCAGGIO		
		
For Spot Facing Per sfacciare	Esternal Bevels Smussi esterni	Internal Belvels Smussi interni



Special tools • Utensili speciali

Modello MB120sp F/E

MB220 2” - 8” (49-206 mm) e 65-206 mm

MB220 F 2” - 8” (49-206 mm) e 65-206 mm

NEW ITM FOUNDATION
INDUSTRIAL TECHNOLOGIC MACHINE

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renato.pr1@alice.it
www.newitmfoundation.com
www.youtube.com/user/NEWITMFOUNDATION

RAPPORTO DIAMETRO SPESSORE MAX CONSIGLIATI			
mm	Inch.	Sch.	sp. max
168.3	6"	120	14.27
219.1	8"	80	12.70

MB220 FE 2”÷8” (ø49÷206) (ø65÷206)

Dati Tecnici	MB 220	MB 220 E/5V	MB 220 F	MB 220 FE/5V
Alimentazione	6.3 bar		6.3 bar	
Alimentazione		220 Volt		220 volt
Consumo aria	1300 Nl/min		1300 Nl/min	
Velocità a vuoto	25 rpm	11-14-23-31-35 rpm	62 rpm	19-24-40-54-72 rpm
Potenza Massima	750 Watt	1200 Watt	820 Watt	1400 Watt
Coppia massima potenza	573 Nm	1042 Nm 327 Nm	253 Nm	703 - 186 Nm
Capacità Bloccaggio	65 - 206 mm	65 -206 mm	65 - 206 mm	65 - 206 mm
Corsa Macchina	38.2 mm	38.2 mm	38.2 mm	38.2 mm
Dimensioni	220x475 mm	220x475 mm	220x475 mm	220x475 mm
Peso	19 kg	19 kg	21 kg	22 kg
Attacco aria	1/2 gas	1/2 gas	1/2 gas	

MB220 - MB220 F = pneumatic motors - motore pneumatico MS220 E = electric motors - motore elettrico

Pneumatic - electric motors are interchangeable MB220F, MB220E • I motori pneumatici - elettrici sono intercabialili MB220F, MB220E

	Locking jaws Morsetti di bloccaggio		Locking jaws extension Morsetti di bloccaggio con prolunga	
Rif.	**mm**	**Inches**	**mm**	**Inches**
A	65 - 70	2.56÷2.76	133 - 138	5.24÷5.43
B	69 - 74	2.72÷2.91	137 - 142	5.39÷5.39
C	73 - 78	2.87÷3.07	141 - 146	5.55÷5.75
D	77 - 82	3.03÷3.23	145 - 150	5.71÷5.91
E	81 - 86	3.19÷3.93	149 - 154	5.87÷606
F	85 - 90	3.35÷3.54	153 - 158	6.02÷6.22
G	89 - 84	3.50÷3.70	157 - 162	6.18÷6.38
H	93 - 98	3.66÷3.86	161 - 166	6.34÷6.54
I	97 - 102	3.82÷4.02	165 - 170	6.50÷6.69
L	101 - 106	3.98÷4.17	169 - 174	6.65÷6.85
M	105 - 110	4.13÷4.33	173 - 178	6.81÷7.01
N	109 - 114	4.29÷4.49	177 - 182	6.97÷7.17
O	113 - 118	4.54÷4.65	181 - 186	7.13÷7.32
P	117 - 122	4.61÷4.80	185 - 190	7.28÷7.48
Q	121 - 126	4.76÷4.96	189 - 194	7.44÷7.64
R	125 - 130	4.92÷5.12	193 - 198	7.60÷7.80
S	129 - 134	5.08÷5.28	197 - 202	7.76÷7.95
T	133 - 138	5.24÷5.43	201 - 206	7.91÷8.11

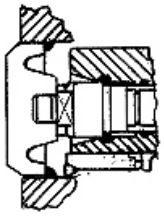
Cn. 000210 Elbow locking • Bloccaggi per curve					
Shaft • Albero ø 100					
Rif.	**mm**	**Inches**	**Rif.**	**mm**	**Inches**
A	103÷108	4.06÷4.25	**P**	155÷160	6.10÷6.30
B	107÷112	4.21÷4.41	**O**	159÷164	6.26÷6.46
C	111÷116	4.37÷4.57	**R**	163÷168	6.42÷6.61
D	115÷120	4.53÷4.72	**S**	167÷172	6.57÷6.77
E	119÷124	4.69÷4.88	**T**	171÷176	6.73÷6.93
F	123÷128	4.84÷5.04	**U**	175÷180	6.89÷7.09
G	127÷132	5.00÷5.20	**V**	179÷184	7.05÷7.24
H	131÷136	5.16÷5.35	**Z**	183÷188	7.20÷7.40
I	135÷140	5.31÷5.51	**AA**	187÷192	7.36÷7.56
L	139÷144	5.47÷5.67	**AB**	191÷196	7.52÷7.72
M	143÷148	5.63÷5.83	**AC**	195÷200	7.68÷7.87
N	147÷152	5.79÷5.98	**AD**	199÷204	7.83÷8.03
O	151÷156	5.94÷6.14	**AE**	203÷208	7.99÷8.19
			AF	207÷212	8.15÷8.35

C.n. 000229
Kit reduced interchangeable shaft ø 1.37 - 4.09 inches • Kit albero ridotto intercambiabile ø 35 - 104 mm

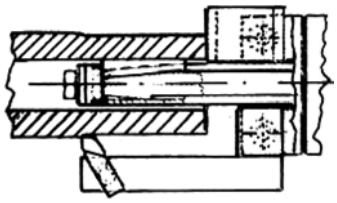
C.n. 000230
Kit reduced interchangeable shaft ø 1.96 - 2.59 inches • Kit albero ridotto intercambiabile ø 50 - 66 mm

Locking on Thin Tubes
Bloccaggio tubi sottili

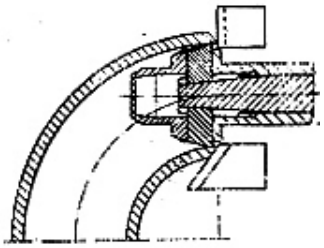
Velding Removal in Deep Holes
Asportazione saldatura in fori profondi



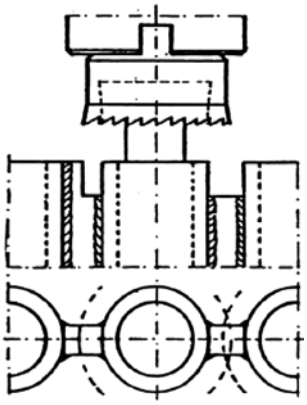
External Turning
Tornitura esterna



Elbow Beveling
Smusso su curva

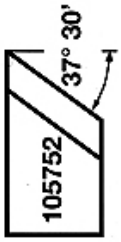


Milling cutter
Fresa per togliere alettatura

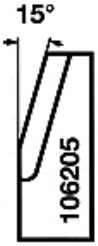


Set cutting tools standard
SET UTENSILI STANDARD

For Spot Facing
Per sfacciare

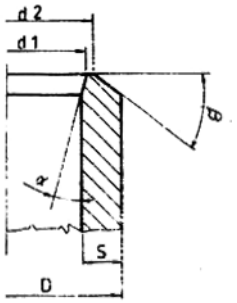


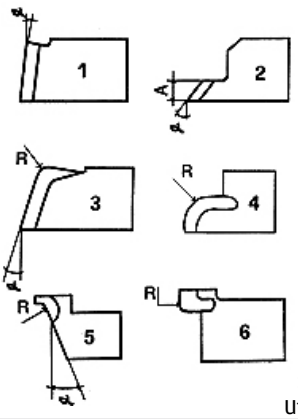
Esternal Bevels
Smussi esterni



Internal Belvels
Smussi interni

example of bevel
esempio di smusso





Special tools
Utensili speciali

Modello MB220 / MB220F

SL300 P/E range 65÷270 mm - int (2.1/2” ÷ 10” est)

Dati Tecnici	SL 300 P	SL 300 E/6V
Alimentazione	6.3 bar	
Alimentazione		220 Volt
Consumo aria	2100 Nl/min	
Velocità a vuoto T=214	50 rpm	7-8-9-12-15-18 rpm
Velocità a vuoto T=495	22 rpm	3-3-4-4,5-7-8 rpm
Potenza Massima	1350 Watt	1600 Watt
Coppia massima potenza T=214	516 Nm	2184 - 850 Nm
Coppia massima potenza T=495	1172 Nm	5095 - 1910 Nm
Capacità Bloccaggio	65-270 mm	65-270 mm
Corsa Macchina	50 mm	50 mm
Dimensioni	350x560 mm	350x560 mm
Peso	41 kg	42 kg
Attacco aria	1/2 gas	

SL300 P = pneumatic motors - motore pneumatico
SL300 I = hydraulic motors - motore idraulico

PORTAUTENSILE = - 100-323 mm- int (da 3. 1/2” fino a 12” est)
Albero ø 100mm range 100/323 mm-int (da 3. 1/2” fino al 12” est)

KIT-SL400 P/E range 100-406,4 mm-int (3. 1/2”- 16” est)
KIT-SL501 P/E range 100-501 mm-int (3. 1/2”- 20” est)
KIT-SL876 P/E range 380-876 mm-int (16”- 35” est)

NEWITMFOUNDATION
INDUSTRIAL TECHNOLOGIC MACHINE

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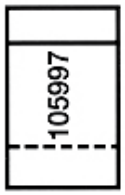
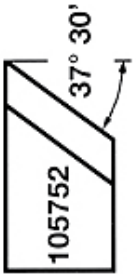
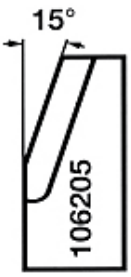
SL300 E/6V

SET CUTTING TOOLS STANDARD Set utensili standar		
		
For Spot Facing Per sfacciare	Esternal Bevels Smussi esterni	Internal Belvels Smussi interni

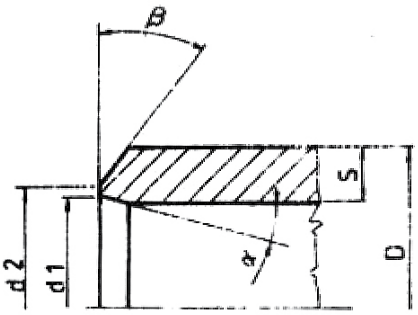
SL300 P - SL300 E

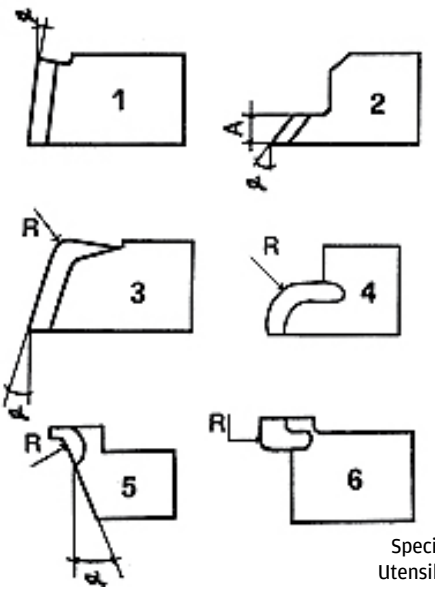
RAPPORTO DIAMETRO- SPESSORE MAX CONSIGLIATI			
mm	Inch.	schedule	Sp. max
273	10"	160	28.6

SL300P - SL300i

	Lockins Morsetti di bloccaggio		Lockins jaws with extension Morsetti di bloccaggio con prolunga		Lockins jaws with extension Morsetti di bloccaggio con tassello	
Rif.	**mm**	**Inches**	**mm**	**Inches**	**mm**	**Inches**
A	65÷70	2.56÷2.76	133÷138	5.24÷5.43	201÷206	7.91÷8.11
B	69÷74	2.72÷2.91	137÷142	5.39÷5.39	205÷210	8.07÷8.27
C	73÷78	2.87÷3.07	141÷146	5.55÷5.75	209÷214	8.23÷8.42
D	77÷82	3.03÷3.23	145÷150	5.71÷5.91	213÷218	8.38÷8.58
E	81÷86	3.19÷3.93	149÷154	5.87÷6.06	217÷222	8.54÷8.74
F	85÷90	3.35÷3.54	153÷158	6.02÷6.22	221÷226	8.70÷8.90
G	89÷84	3.50÷3.70	157÷162	6.18÷6.38	225÷230	8.86÷9.05
H	93÷98	3.66÷3.86	161÷166	6.34÷6.54	229÷234	9.01÷9.21
I	97÷102	3.82÷4.02	165÷170	6.50÷6.69	233÷238	9.17÷9.37
L	101÷106	3.98÷4.17	169÷174	6.65÷6.85	237÷242	9.33÷9.53
M	105÷110	4.13÷4.33	173÷178	6.81÷7.01	241÷246	9.49÷9.68
N	109÷114	4.29÷4.49	177÷182	6.97÷7.01	245÷250	9.64÷9.84
O	113÷118	4.54÷4.65	181÷186	7.13÷7.32	249÷254	9.80÷10.00
P	117÷122	4.61÷4.80	185÷190	7.28÷7.48	253÷258	9.96÷10.16
Q	121÷126	4.76÷4.96	189÷194	7.44÷7.64	257÷262	10.12÷10.31
R	125÷130	4.92÷5.12	193÷198	7.60÷7.80	261÷266	10.27÷10.47
S	129÷134	5.08÷5.28	197÷202	7.76÷7.95	265÷270	10.43÷10.63

example of bevel
esempio di smusso

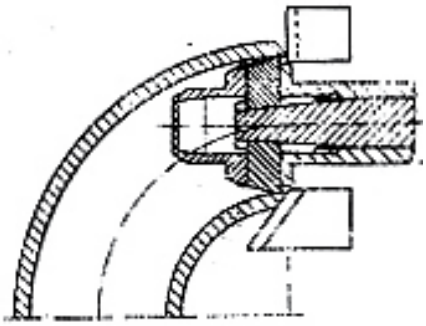




Special tools
Utensili speciali

	Cn. 000234 Elbow lockins • Bloccaggi per curve				
	Shaft • Albero ø 200				
Rif.	**mm**	**Inches**	**Rif.**	**mm**	**Inches**
A	211÷216	8.30÷8.50	**P**	263÷268	10.35÷10.55
B	215÷220	8,46÷8,66	**O**	267÷272	10.51÷10.70
C	219÷224	8.62÷8.82	**R**	271÷276	10.67÷10.86
D	223÷228	8.78÷8.98	**S**	275÷280	10.82÷11.02
E	227÷232	8.93÷9.13	**T**	279÷284	10.98÷11.18
F	231÷236	9.09÷9.29	**U**	283÷288	11.14÷11.33
G	235÷240	9.25÷9.45	**V**	287÷292	11.30÷11.49
H	239÷244	9.41÷9.60	**Z**	291÷296	11.45÷11.65
I	243÷248	9.56÷9.76	**AA**	295÷300	11.61÷11.81
L	247÷252	9.72÷9.92	**AB**	299÷304	11.77÷11.72
M	251÷256	9.88÷10.08	**AC**	303÷308	11.93÷12.12
N	255÷260	10.03÷10.23	**AD**	307÷312	12.08÷12.28
O	259÷264	10.19÷10.39	**AE**	311÷316	12.24÷12.44
			AF	315÷320	12.40÷12.60

Elbow Beveling
Smusso su curva



SL400 P/E range 100÷406.4 mm - int (3. 1/2” ÷16” est)

Dati Tecnici	SL 400 P	SL 400 E/6V
Alimentazione	6.3 bar	
Alimentazione		220 Volt
Consumo aria	2100 Nl/min	
Velocità a vuoto T=214	50 rpm	7-8-9-12-15-18 rpm
Velocità a vuoto T=495	22 rpm	3-3-4-4,5-7-8 rpm
Potenza Massima	1350 Watt	1600 Watt
Coppia massima potenza T=214	516 Nm	2184 - 850 Nm
Coppia massima potenza T=495	1172 Nm	5095 - 1910 Nm
Capacità Bloccaggio	100 - 406 mm	100 - 406 mm
Corsa Macchina	50 mm	50 mm
Dimensioni	430x750 mm	430x750 mm
Peso	48 kg	49 kg
Attacco aria	1/2 gas	

SL400 P = pneumatic motors - motore pneumatico
SL400 I = hydraulic motors - motore idraulico

SL400 E/6V

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PORTA UTENSILE 100-323 mm - int (da 3. 1/2” fino a 12” est)
Albero ø 65mm range 65/270 mm-int (da 2. 1/2” fino al 10” est)

KIT-SL400 P/E range 100-406,4 mm-int (3. 1/2”- 16” est)
KIT-SL501 P/E range 100-501 mm-int (3. 1/2”- 20” est)
KIT-SL876 P/E range 380-876 mm-int (16”- 35” est)

SL400 P - SL400 E

RAPPORTO DIAMETRO- SPESSORE MAX CONSIGLIATI			
mm	Inch.	schedule	Sp. max
273	10"	160	28.6
355,6	14”	40	11,1
406	16”	STD	9,52

SL400P - SL400E

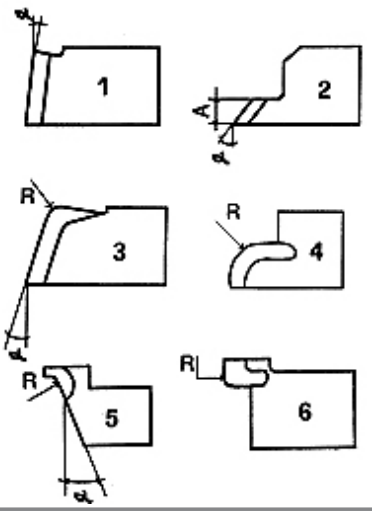
SL400 P = Pneumatic motors - motore pneumatico
SL400 E = Electric motor - motore elettrico

Locking internal diameter from 3.94" TO 11.85" • Diametri interni bloccabilinda 100 a 301 mm													
H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile	
Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches
16	100	3.94	36	140	5.51	56	180	7.09	76	220	8.66	96	260	10.24
1	106	4.17	9	146	5.75	17	186	7.32	25	226	8.90	33	266	10.47
18.5	105	4.13	38.5	145	5.71	58.5	185	7.28	78.5	225	8.86	98.5	265	10.43
2	111	4.36	10	151	5.94	18	191	7.52	26	231	9.09	34	271	10.67
21	110	4.33	41	150	5.91	61	190	7.48	81	230	9.06	101	270	10.63
3	116	4.57	11	156	6.14	19	196	7.72	27	236	9.29	35	276	10.87
23.5	115	4.53	43.5	155	6.10	63.5	195	7.68	83.5	235	9.25	103.5	275	10.83
4	121	4.76	12	161	6.34	20	201	7.91	28	241	9.49	36	281	11.06
26	120	4.72	46	160	6.30	66	200	7.87	86	240	9.45	106	280	11.02
5	126	4.96	13	166	6.54	21	206	8.11	29	246	9.68	37	286	11.26
28.5	125	4.92	48.5	165	6.50	68.5	205	8.07	88.5	245	9.64	108.5	285	11.22
6	131	5.16	14	171	6.73	22	211	8.30	30	251	9.88	38	291	11.43
31	130	5.12	51	170	6.70	71	210	8.27	91	250	9.84	111	290	11.42
7	136	5.35	15	176	6.93	23	216	8.50	31	256	10.08	39	296	11.65
33.5	135	5.31	53.5	175	6.89	73.5	215	8.47	93.5	255	10.04	113.5	295	11.61
8	141	5.55	16	181	7.13	24	221	8.70	32	261	10.27	40	301	11.85

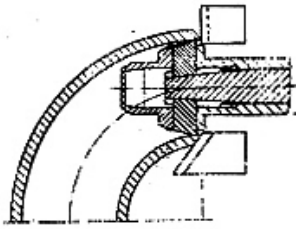
SL400P - SL400E

Locking internal diameter whith extension from 11.81" TO 19.72" • Diametri interni bloccabili con prolunga 300 a 501 mm													
H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile	
Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches
16	300	11.81	36	340	13.39	56	380	14.96	76	420	16.53	96	460	18.11
1	306	12.05	9	346	13.62	17	386	15.20	25	426	16.77	33	466	18.35
18.5	305	12.00	38.5	345	13.59	58.5	385	15.16	78.5	425	16.73	98.5	465	18.30
2	311	12.24	10	351	13.82	18	391	15.40	26	431	16.97	34	471	18.54
21	310	12.20	41	350	13.78	61	390	15.35	81	430	16.93	101	470	18.50
3	316	12.44	11	356	14.01	19	396	15.60	27	436	17.16	35	476	18.74
23.5	315	12.40	43.5	355	13.98	63.5	395	15.55	83.5	435	17.12	103.5	475	18.70
4	321	12.64	12	361	14.21	20	401	15.79	28	441	17.36	36	481	18.94
26	320	12.60	46	360	14.17	66	400	15.75	86	440	17.32	106	480	18.90
5	326	12.83	13	366	14.41	21	406	15.99	29	446	17.56	37	486	19.13
28.5	325	12.80	48.5	365	14.37	68.5	405	15.94	88.5	445	17.52	108.5	485	19.09
6	331	13.03	14	371	14.60	22	411	16.18	30	451	17.76	38	491	19.33
31	330	13.00	51	370	14.57	71	410	16.14	91	450	17.72	111	490	19.29
7	336	13.23	15	376	14.80	23	416	16.38	31	456	17.95	39	496	19.53
33.5	335	13.19	53.5	375	14.76	73.5	415	16.34	93.5	455	17.91	113.5	495	19.49
8	341	13.43	16	381	15.00	24	421	16.58	32	461	18.15	40	501	19.72

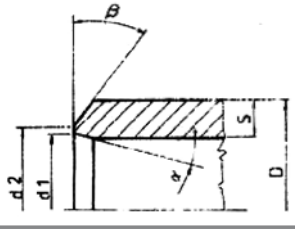
Special tools
Utensili speciali



Elbow Beveling
Smusso su curva



example of bevel
esempio di smusso



SL501 P/E 6”: 20” (ø 100 : 501)

Dati Tecnici	SL 501 P	SL 501 E/6V
Alimentazione	6.3 bar	220 volt
Consumo aria	2100 Nl/min	
Velocità a vuoto T=214	50 rpm	7-8-9-12-15-18 rpm
Velocità a vuoto T=495	22 rpm	3-3-4-4,5-7-8 rpm
Potenza Massima	1350 Watt	1600 Watt
Coppia massima potenza T=214	516 Nm	2184 - 850 Nm
Coppia massima potenza T=495	1172 Nm	5095 - 1910 Nm
Capacità Bloccaggio	100 - 501 mm	100 - 501 mm
Corsa Macchina	50 mm	50 mm
Avanzamento radiale automatico	68x0.2 mm	68x0.2 mm
Dimensioni	hx710 mm	hx710 mm
Peso	43-62 kg	43-62 kg
Attacco aria	1/2 gas	

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YouTube: www.youtube.com/user/NEWITMFOUNDATION

SL501 P = pneumatic motors - motore pneumatico
SL501 I = hydraulic motors - motore idraulico

Interchangeable kit to trasformer
model SL501 to SL876-SL400+SL300

Kit intercambiabile per trasformazione
modelli SL501 in SL876-SL400-SL300

SL501 P - SL501 E

SCHEDULE MIN - MAX WORKING DIAMETER CLEARANCE AND CARRIGE RANGE / Min -max tornibili, ingombri e corsa carrello aut.										
Aut. Corrige incline Inclin. carrello aut.	**0°**	**5°**	**10°**	**15°**	**20°**	**25°**	**27° 30’**	**30°**	**35°**	**37° 30’**
ø min pipe capacity ø min tubo tornibile	7.00” 178	6.53” 166	6.14” 156	5.74” 146	5.59” 142	5.43” 138	5.35” 136	5.35” 136	5.19” 132	5.19” 132
ø max pipe capacity ø max tubo tornibile	23.38” 594	22.99” 584	22.44” 570	21.73” 552	20.86” 530	19.92” 506	19.44” 494	18.90” 480	17.87” 454	17.32” 440
ø min clearance ø min ingombro	29.72” 760	30.23” 768	30.31” 770	30.23” 768	29.92” 760	29.52” 750	29.21” 742	28.89” 734	28.26” 718	27.87” 708
ø max clearance ø max ingombro	34.72” 882	34.96” 888	53.03” 890	34.72” 882	34.33” 872	33.93” 862	33.30” 846	32.99” 838	32.04” 814	31.18” 792
Aut. radial range corsa radiale aut.	2.69” 68.50	2.68” 68.23	2.65” 67.45	2.30” 66.16	2.53” 64.36	2.44” 62.08	2.39” 60.76	2.33” 59.32	2.20” 56.11	2.14” 54.34

CON UTENSILE SPORGENTE 14 MM

SL400P - SL400E SL501P - SL501E

SL400 P = Pneumatic motors - motore pneumatico
SL400 E = Electric motor - motore elettrico

Locking internal diameter from 3.94" TO 11.85" • Diametri interni bloccabilinda 100 a 301 mm													
H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile	
Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches
16	100	3.94	36	140	5.51	56	180	7.09	76	220	8.66	96	260	10.24
1	106	4.17	9	146	5.75	17	186	7.32	25	226	8.90	33	266	10.47
18.5	105	4.13	38.5	145	5.71	58.5	185	7.28	78.5	225	8.86	98.5	265	10.43
2	111	4.36	10	151	5.94	18	191	7.52	26	231	9.09	34	271	10.67
21	110	4.33	41	150	5.91	61	190	7.48	81	230	9.06	101	270	10.63
3	116	4.57	11	156	6.14	19	196	7.72	27	236	9.29	35	276	10.87
23.5	115	4.53	43.5	155	6.10	63.5	195	7.68	83.5	235	9.25	103.5	275	10.83
4	121	4.76	12	161	6.34	20	201	7.91	28	241	9.49	36	281	11.06
26	120	4.72	46	160	6.30	66	200	7.87	86	240	9.45	106	280	11.02
5	126	4.96	13	166	6.54	21	206	8.11	29	246	9.68	37	286	11.26
28.5	125	4.92	48.5	165	6.50	68.5	205	8.07	88.5	245	9.64	108.5	285	11.22
6	131	5.16	14	171	6.73	22	211	8.30	30	251	9.88	38	291	11.43
31	130	5.12	51	170	6.70	71	210	8.27	91	250	9.84	111	290	11.42
7	136	5.35	15	176	6.93	23	216	8.50	31	256	10.08	39	296	11.65
33.5	135	5.31	53.5	175	6.89	73.5	215	8.47	93.5	255	10.04	113.5	295	11.61
8	141	5.55	16	181	7.13	24	221	8.70	32	261	10.27	40	301	11.85

SL400P - SL400E SL501P - SL501E

Locking internal diameter whith extension from 11.81" TO 19.72" • Diametri interni bloccabili con prolunga 300 a 501 mm													
H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile		H	ø Bloccabile	
Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches	Rif.	mm	Inches
16	300	11.81	36	340	13.39	56	380	14.96	76	420	16.53	96	460	18.11
1	306	12.05	9	346	13.62	17	386	15.20	25	426	16.77	33	466	18.35
18.5	305	12.00	38.5	345	13.59	58.5	385	15.16	78.5	425	16.73	98.5	465	18.30
2	311	12.24	10	351	13.82	18	391	15.40	26	431	16.97	34	471	18.54
21	310	12.20	41	350	13.78	61	390	15.35	81	430	16.93	101	470	18.50
3	316	12.44	11	356	14.01	19	396	15.60	27	436	17.16	35	476	18.74
23.5	315	12.40	43.5	355	13.98	63.5	395	15.55	83.5	435	17.12	103.5	475	18.70
4	321	12.64	12	361	14.21	20	401	15.79	28	441	17.36	36	481	18.94
26	320	12.60	46	360	14.17	66	400	15.75	86	440	17.32	106	480	18.90
5	326	12.83	13	366	14.41	21	406	15.99	29	446	17.56	37	486	19.13
28.5	325	12.80	48.5	365	14.37	68.5	405	15.94	88.5	445	17.52	108.5	485	19.09
6	331	13.03	14	371	14.60	22	411	16.18	30	451	17.76	38	491	19.33
31	330	13.00	51	370	14.57	71	410	16.14	91	450	17.72	111	490	19.29
7	336	13.23	15	376	14.80	23	416	16.38	31	456	17.95	39	496	19.53
33.5	335	13.19	53.5	375	14.76	73.5	415	16.34	93.5	455	17.91	113.5	495	19.49
8	341	13.43	16	381	15.00	24	421	16.58	32	461	18.15	40	501	19.72

Several kind of weld prep with cutting tools • Diversi tipi di lavorazioni con utensili da tavolo

Figura 1

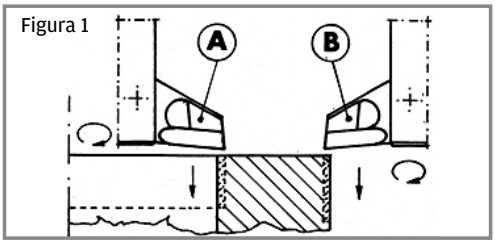

Figura 2

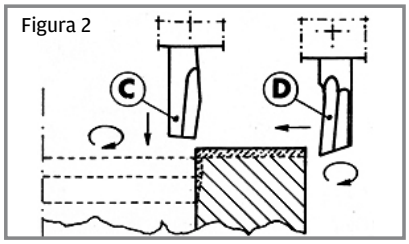

Figura 3

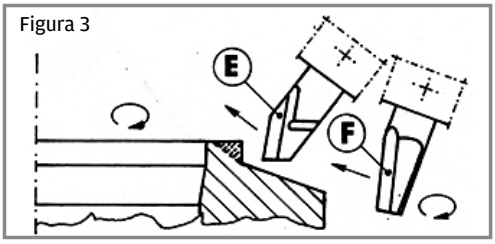

Figura 4

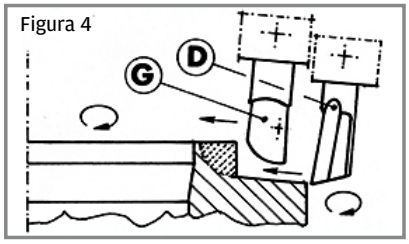

Figura 1
A- Internal turning tool - Utensile per tornitura interna C.n. 106404
B- External Turning tool - Utensile per tornitura esterna C.n. 106405

Figura 2
C- Counter bore worcking tool - Utensile per smusso interno
D- Face and worcking tool - Utensile per intestatura del tubo C.n. 106401

Figura 3
E- External bevel worcking tool - Utensile per smusso esterno C.n. 106403
F- External bevel worcking tool - Utensile per smusso esterno C.n. 106402

Figura 4
G- External bevel worcking tool - Utensile per smusso esterno
D- External bevel worcking tool - Utensile per smusso esterno C.n. 106401

A - Internal turning tool - Tornitura interna
B - External Turning tool - Tornitura esterna
D - 0° ÷ 15"
E - 25° ÷ 37°30'
F - 15° ÷ 25°

SL501 SP/E6V range 100/501mm - int (4”- 20” est) (100 a 742mm)

Dati Tecnici	SL 501 SP	SL 501 SP/E6V
Alimentazione	6.3 bar	220 volt
Consumo aria	2100 Nl/min	
Velocità a vuoto T=214	50 rpm	7-8-9-12-15-18 rpm
Velocità a vuoto T=495	22 rpm	3-3-4-4,5-7-8 rpm
Potenza Massima	1350 Watt	1600 Watt
Coppia massima potenza T=214	516 Nm	2184 - 850 Nm
Coppia massima potenza T=495	1172 Nm	5095 - 1910 Nm
Capacità Bloccaggio (**) (vedi retro pagina)	100 - 501 mm** (4”-20” est)**	100 - 501 mm** (4”-20” est)**
Corsa Macchina	50 mm	50 mm
Avanzamento radiale automatico	68x0.2 mm	68x0.2 mm
Dimensioni	hx710 mm	hx710 mm
Peso	43-62 kg	43-62 kg
Attacco aria	1/2 gas	

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YouTube: www.youtube.com/user/NEWITMFOUNDATION

SL501 SP - SL501 SP - E6V = pneumatic motors - motore pneumatico
SL501 SP - SL501 SP - E6V = hydraulic motors - motore idraulico

Interchangeable kit to trasformer
model SL501 SP - SL501 SP - E6V to SL876-SL400+SL300

Kit intercambiabile per trasformazione
modelli SL501 SP - SL501 SP - E6V in SL876-SL400-SL300

* Vedi retro pagina soluzione tradizionale utensile ø 12mm

SL501 SP SL501 SP/E6V

SCHEDULE MIN - MAX WORKING DIAMETER CLEARANCE AND CARRIGE RANGE / Min -max tornibili, ingombri e corsa carrello aut.										
Aut. Corrige incline Inclin. carrello aut.*	0°	5°	10°	15°	20°	25°	27° 30’	30°	35°	37° 30’
ø min pipe capacity ø min tubo tornibile	7.00” 178	6.53” 166	6.14” 156	5.74” 146	5.59” 142	5.43” 138	5.35” 136	5.35” 136	5.19” 132	5.19” 132
ø max pipe capacity ø max tubo tornibile	23.38” 594	22.99” 584	22.44” 570	21.73” 552	20.86” 530	19.92” 506	19.44” 494	18.90” 480	17.87” 454	17.32” 440
ø min clearance ø min ingombro	29.72” 760	30.23” 768	30.31” 770	30.23” 768	29.92” 760	29.52” 750	29.21” 742	28.89” 734	28.26” 718	27.87” 708
ø max clearance ø max ingombro	34.72” 882	34.96” 888	53.03” 890	34.72” 882	34.33” 872	33.93” 862	33.30” 846	32.99” 838	32.04” 814	31.18” 792
Aut. radial range corsa radiale aut.	2.69” 68.50	2.68” 68.23	2.65” 67.45	2.30” 66.16	2.53” 64.36	2.44” 62.08	2.39” 60.76	2.33” 59.32	2.20” 56.11	2.14” 54.34

SL501 SP/E6V da Dmin 100mm a Dmax 742mm

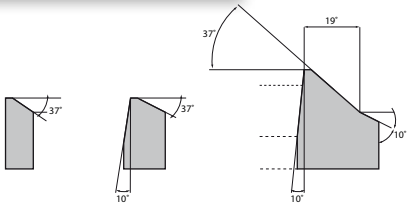
Portautensile fisso

Dmin 100mm

Dmax 570mm

Avanzamento assiale
Anche **SL 501 STD**

Spessori fino a **50mm** con passate successive



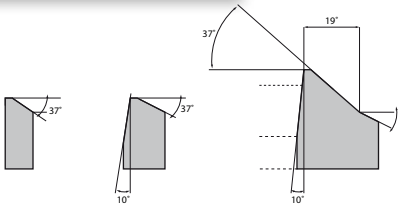
Portautensile mobile

Dmin 238mm

Dmax 742mm

Avanzamento assiale
Anche **SL 501 STD**

Spessori fino a **50mm** con passate successive



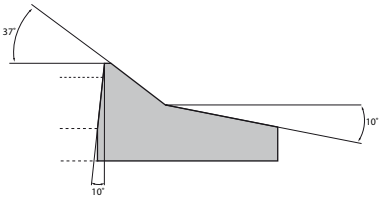
Smusso a tulipano 37° 30” e 10°

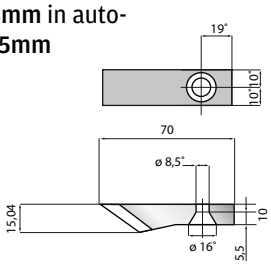
Dmin 114mm

Dmax 536mm

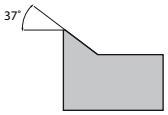
Avanzamento assiale manuale e radiale automatico

Spessori fino a **68mm** in automatico e fino a **165mm**

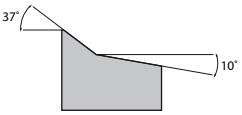




Fase 1



Fase 2



Soluzione tradizionale utensile ø 12mm Inclinazione carrello come SL501 std

Angolo di lavoro	
α =	0°
	5°
	10°
	15°
	20°
	25°
	27° 30°
	30°
	35°
	37° 30°

Dmin 132mm

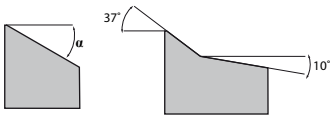
Dmax 594mm

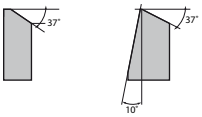
Avanzamento assiale manuale e radiale automatico

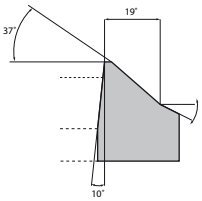
Spessori fino a **68mm** in automatico

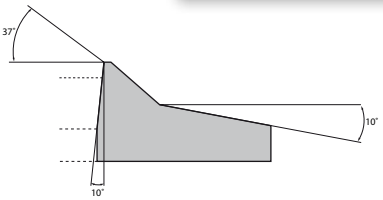
Spessori fino a **165mm** passate successive

Ideale per spianatura flange







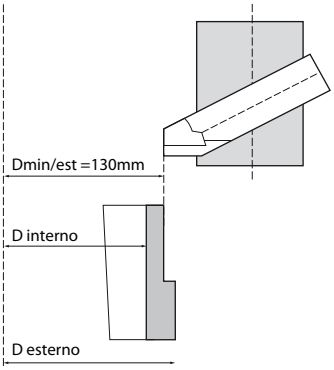


Inoltre Con portautensili e utensili in dotazione

Tornitura esterna utensili ø 16mm

Dmin 130mm

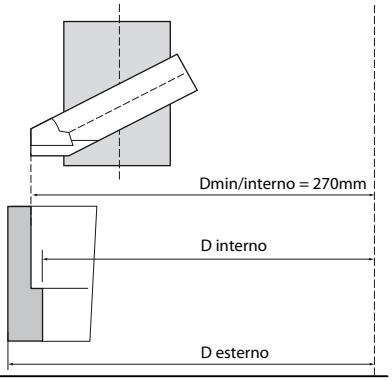
Dmax 512mm



Tornitura interna utensili ø 16mm

Dmin 270mm

Dmax 652mm



SL876 P/E range 380/876 mm - int. (16”-35” est.)

Dati Tecnici	SL 876 P	SL 876 E/6V
Alimentazione	6.3 bar - 1/2 gas	220 volt
Consumo aria	2100 Nl/min	
Velocità a vuoto T=214	50 rpm	7-8-9-12-15-18 rpm
Velocità a vuoto T=495	22 rpm	3-3-4-4,5-7-8 rpm
Potenza Massima	1350 Watt	1600 Watt
Coppia massima potenza T=214	516 Nm	2184 - 850 Nm
Coppia massima potenza T=495	1172 Nm	5095 - 1910 Nm
Capacità Bloccaggio	380 - 876 mm	380 - 876mm
Corsa Macchina	50 mm	50 mm
Avanzamento radiale automatico	68x0.2 mm	68x0.2 mm
Dimensioni	hx710 mm	hx710 mm
Peso	74 - 82 kg	75 - 83 kg

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YouTube: www.youtube.com/user/NEWITMFOUNDATION

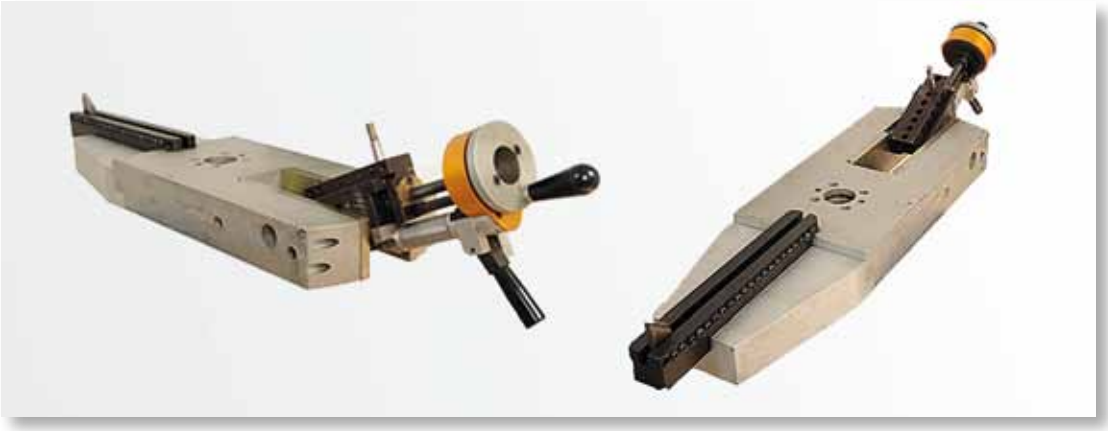
SL876 P = pneumatic motors - motore pneumatico
SL876 I = hydraulic motors - motore idraulico
Interchangeable kit to trasformer model SL501 to SL876 SL400+SL300
Kit intercambiabile per trasformazione modelli SL501 in SL876-SL400-SL300

KIT SL501 P/E range 100-501 mm int. (3.1/2” - 20” est)
KIT SL400 P/E range 100-406,4 mm int. (3.1/2” - 16” est)
KIT SL300 P/E range 100-270 mm int. (3.1/2” - 10” est)
KIT SL300 P/E range 65-270 mm int. (2.1/2” - 10” est)

SL876 P - SL876 E

Min - max turnable, size and race cart aut. (tool protruding 14mm) Min - max tornibili, ingombri e corsa carrello aut. (utensile sporgente 14mm)										
Aut. Corrige incline Inclin. carrello aut.	0°	5°	10°	15°	20°	25°	27° 30’	30°	35°	37° 30’
ø min pipe capacity ø min tubo tornibile	472	762	752	442	432	424	420	414	406	402
ø max pipe capacity ø max tubo tornibile	892	878	864	846	824	800	788	774	748	734
ø min clearance ø min ingombro	1054	1062	1064	1062	1054	1044	1036	1028	1012	1002
ø max clearance ø max ingombro	1176	1182	1184	1176	116	1156	1140	1132	1108	1086
Aut. radial range corsa radiale aut.	68.50	68.23	67.45	66.16	64.36	62.08	60.76	59.32	56.11	54.34

CON UTENSILE SPORGENTE 14 MM



SL876 P - SL876 I

Locking internal diameter from 3.94" TO 14.96" • Diametri interni bloccabili da 380 a 876															
EXTENSION h 170 TASSELLO h 170			EXTENSION h 217.5 TASSELLO h 217.5			EXTENSION h 170 + EXTENSION TASSELLO h 170 + PROLUNGA			EXTENSION h 270.5 + EXTENSION TASSELLO h 217.5 + PROLUNGA						
	ø Bloccabile			ø Bloccabile			ø Bloccabile			ø Bloccabile			ø Bloccabile	
H	mm	Inches	H	mm	Inches	H	mm	Inches	H	mm	Inches	H	mm	Inches
16	380 ÷ 386	14.96 ÷ 15.20	16	475 ÷ 481	18.70 ÷ 16.94	16	580 ÷ 586	22.83 ÷ 23.07	16	675 ÷ 681	25.57 ÷ 26.81	66	775 ÷ 781	30.51 ÷ 30.75
18.5	385 ÷ 391	15.16 ÷ 15.40	18.5	480 ÷ 486	18.90 ÷ 19.13	18.5	585 ÷ 591	23.09 ÷ 23.07	18.5	680 ÷ 686	26.77 ÷ 27.00	68.5	780 ÷ 786	30.71 ÷ 30.94
21	390 ÷ 396	15.35 ÷ 15.59	21	485 ÷ 491	19.09 ÷ 19.33	21	590 ÷ 596	23.23 ÷ 23.46	21	685 ÷ 691	26.97 ÷ 27.20	71	785 ÷ 791	30.90 ÷ 31.14
23.5	395 ÷ 401	15.55 ÷ 15.79	23.5	490 ÷ 496	19.29 ÷ 19.53	23.5	595 ÷ 601	23.42 ÷ 23.66	23.5	690 ÷ 696	27.16 ÷ 27.40	73.5	790 ÷ 796	31.10 ÷ 31.33
26	400 ÷ 406	15.75 ÷ 15.99	26	495 ÷ 501	19.49 ÷ 19.72	26	600 ÷ 606	23.62 ÷ 23.86	26	695 ÷ 701	27.36 ÷ 27.60	76	795 ÷ 801	31.30 ÷ 31.53
28.5	405 ÷ 411	15.94 ÷ 16.18	28.5	500 ÷ 506	19.68 ÷ 19.92	28.5	605 ÷ 611	23.82 ÷ 24.05	28.5	700 ÷ 706	27.56 ÷ 27.80	78.5	800 ÷ 806	31.50 ÷ 31.73
31	410 ÷ 416	16.14 ÷ 16.38	31	505 ÷ 511	19.88 ÷ 20.12	31	610 ÷ 616	24.01 ÷ 24.25	31	705 ÷ 711	27.76 ÷ 27.99	81	805 ÷ 811	31.70 ÷ 31.93
33.5	405 ÷ 421	16.34 ÷ 16.58	33.5	510 ÷ 516	20.08 ÷ 20.31	33.5	615 ÷ 621	24.21 ÷ 24.44	33.5	710 ÷ 716	27.95 ÷ 28-19	83.5	810 ÷ 816	31.89 ÷ 32.12
36	420 ÷ 426	16.53 ÷ 16.77	36	515 ÷ 521	20.27 ÷ 20.51	36	620 ÷ 626	24.41 ÷ 44.64	36	715 ÷ 721	28.15 ÷ 28.38	86	815 ÷ 821	32.08 ÷ 32.32
38.5	425 ÷ 431	16.73 ÷ 16.97	38.5	520 ÷ 526	20.47 ÷ 20.71	38.5	625 ÷ 631	24.61 ÷ 24.85	38.5	720 ÷ 726	28.35 ÷ 28.58	88.5	820 ÷ 826	32.28 ÷ 32.52
41	430 ÷ 436	16.93 ÷ 17.16	41	525 ÷ 531	20.67 ÷ 20.90	41	630 ÷ 636	24.80 ÷ 25.04	41	725 ÷ 731	29.54 ÷ 28.78	91	825 ÷ 831	32.48 ÷ 32.72
43.5	435 ÷ 441	17.12 ÷ -17.36	43.5	530 ÷ 536	20.87 ÷ 21.10	43.5	365 ÷ 641	25.00 ÷ 25.23	43.5	730 ÷ 736	28.74 ÷ 28.98	93.5	830 ÷ 836	32.68 ÷ 32.91
46	440 ÷ 446	17.32 ÷ 17.46	46	535 ÷ 541	21.06 ÷ 21.30	46	640 ÷ 646	25.20 ÷ 25.43	46	735 ÷ 741	28.94 ÷ 29.17	96	835 ÷ 841	32.87 ÷ 33.11
48.5	445 ÷ 451	17.52 ÷ 17.76	48.5	540 ÷ 546	21.26 ÷ 21.50	48.5	645 ÷ 651	25.30 ÷ 25.63	48.5	740 ÷ 746	29.13 ÷ 29.37	98.5	840 ÷ 846	33.07 ÷ 33.31
51	450 ÷ 456	17.72 ÷ 17.95	51	545 ÷ 551	21.46 ÷ 21.70	51	650 ÷ 656	25.59 ÷ 25.83	51	745 ÷ 751	29.33 ÷ 29.57	101	845 ÷ 851	33.26 ÷ 33.50
53.5	455 ÷ 461	17.91 ÷ 18.15	53.5	550 ÷ 556	21.65 ÷ 21.89	53.5	655 ÷ 661	25.79 ÷ 26.02	53.5	750 ÷ 756	29.53 ÷ 29.76	103.5	850 ÷ 856	33.46 ÷ 33.70
56	460 ÷ 466	18.11 ÷ 18.35	56	555 ÷ 561	21.85 ÷ 22.08	56	660 ÷ 666	25.98 ÷ 26.22	56	755 ÷ 761	29.72 ÷ 29.96	106	851 ÷ 861	33.66 ÷ 33.90
58.5	465 ÷ 471	18.30 ÷ 18.54	58.5	560 ÷ 566	22.05 ÷ 22.26	58.5	665 ÷ 671	26.18 ÷ 26.42	58.5	760 ÷ 766	29.92 ÷ 30.15	105.5	860 ÷ 866	33.86 ÷ 34.09
61	470 ÷ 476	18.50 ÷ 18.74	61	565 ÷ 571	22.24 ÷ 22.48	61	670 ÷ 676	26.38 ÷ 26.61	61	765 ÷ 771	30.11 ÷ 30.35	111	865 ÷ 871	34.06 ÷ 34.29
			63.5	570 ÷ 576	22.44 ÷ 22.68				63.5	770 ÷ 776	30.31 ÷ 30.55	113.5	870 ÷ 876	34.25 ÷ 34.49
			66	575 ÷ 581	22.64 ÷ 22.87									

Several kind of weld prep with cutting tools • Diversi tipi di lavorazioni con utensili da tavolo

Figura 1

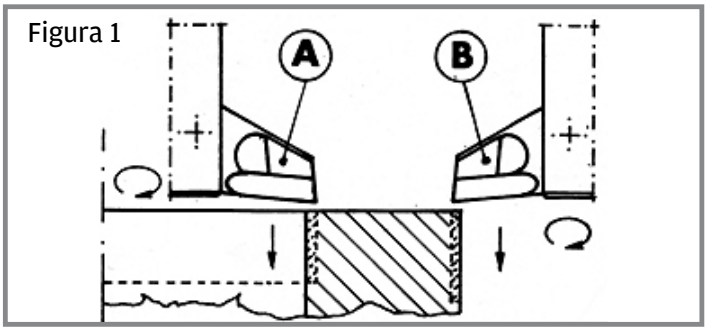


Figura 2

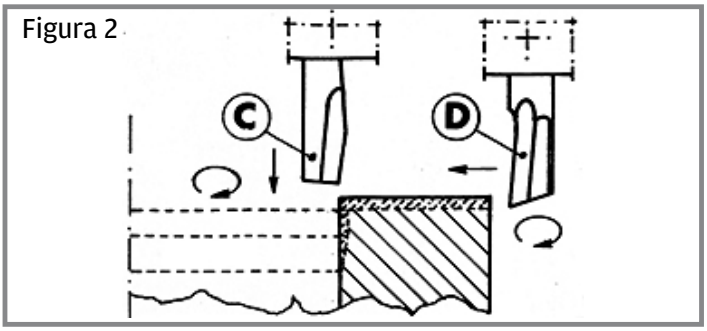


Figura 3

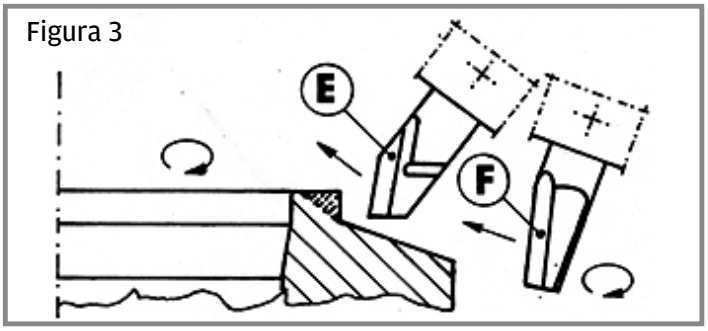


Figura 4

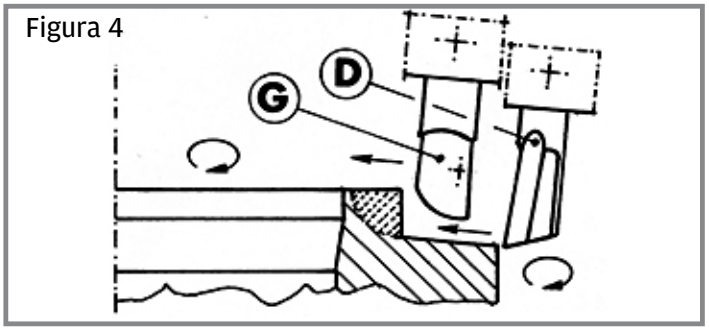


Figura 1 A - Internal turning tool - Utensile per tornitura interna C.n. 106404
B - External Turning tool - Utensile per tornitura esterna C.n. 106405

Figura 2 C - Counter bore worcking tool - Utensile per smusso interno
D - Face and worcking tool - Utensile per intestatura del tubo C.n. 106401

Figura 3 E - External bevel worcking tool - Utensile per smusso esterno C.n. 106403
F - External bevel worcking tool - Utensile per smusso esterno C.n. 106402

Figura 4 G - External bevel worcking tool - Utensile per smusso esterno
D - External bevel worcking tool - Utensile per smusso esterno C.n. 106401

A - Internal turning tool - Tornitura interna
B - External Turning tool - Tornitura esterna
D - 0° ÷ 15"
E - 25° ÷ 37°30°
F - 15° ÷ 25°

FINISH

Finish of seal support surface-regrinding of valve seats • Finiture di superfici di appoggio guarnizioni-ripristino valvole

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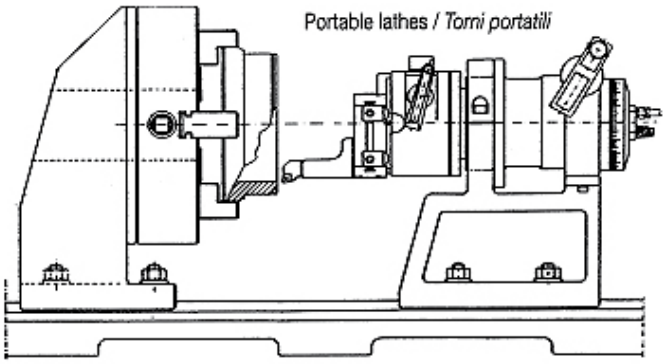
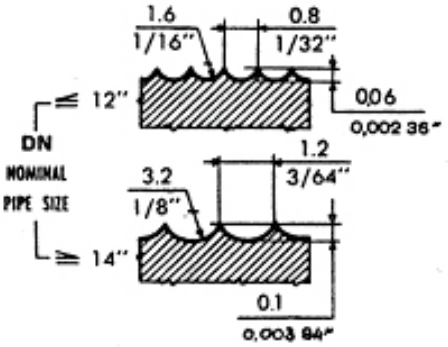
Portable lathes / *Torni portatili*

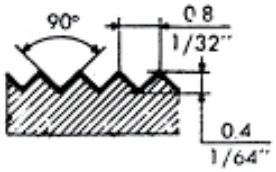


Some examples of working / *Esempi di lavorazione*

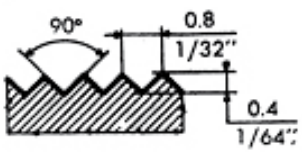
1) STOCK FINISH:



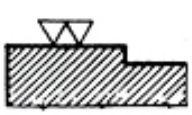
2) SPIRAL SERRATED OR PHONOGRAPHIC:



3) CONCENTRIC SERRATED:

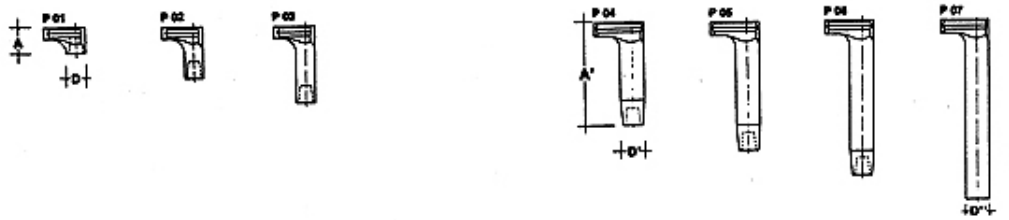


4) SMOOTH FINISH:



Tecnical data Dati tecnici			Flange hole spacing interassi fori flangia		Manual axial advancement Avanzamento assiale manuale		Automatic radial advancement Avanzamento radiale automatico	
Type • Tipo	ø mm	ø inches	ø mm	ø inches	ø mm	ø inches	ø mm	ø inches
Finish 14"	0÷413	0÷16.26	200÷500	7.87÷1968	55	2.65	40	1.574
Finish 14"	Max 692	Max 27.24	Max 750	Max 29.52	100	3.937	60	2.362
Finish 14"	Max 1123	Max 44.21	Max 1200	Max 47.24	100	3.937	100	3.937

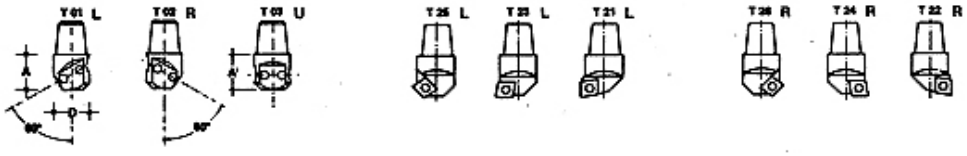
ACCESSORI FINISH



	P01	P02	P03		P04	P05	P06	P07		
	A			D	A'				D'	D"
T100/TA 120	30	60	90	22	120	150	180	210	27	27
TA170	40	80	120	27	160	200	240	300	32	36
TA220	50	100	150	34	200	250	300	400	45	45

			P11	P12	P13	P14	P15
	A	ø	L				
T100/TA 120	30	10	96	135	175	215	-
TA170	40	13	140	200	260	320	-
TA220	50	20	190	290	390	490	590

	P21	Morse					P20	D16	D12	D10	D08	D04
	A	A'	A"	Y	X	X'	ø					
T100/TA 120	100	105	118	3	1	2	-	-	12	10	8	4
TA170	120	126,5	142,5	4	2	3	-	16	12	10	8	-
TA220	120	136,5	142,5	4	2	3	20	16	12	10	8	-



			T01 - T02	T03			T21÷T26
	D	ø	A	A'	R	ø	A"
T100/TA 120	22	8	20	20	17	CCMM 09T3	22
TA170	27	10	24	24	22	CCMM 09T3	27
TA220	34	12	31.5	25.5	27	CCMM 1204	34

AUTENSILI L - SINISTRO • R - DESTRO • U - UNIVERSALE

	ø	L (HSS)	L (M20)
T100/TA 120	80	38	30
TA170	10	48	45
TA220	12	58	55

MODALITÁ IMPIEGO CIANFRINATUBI

NOTIZIE GENERALI

Collegamento alla rete di aria compressa

1. Per un corretto uso delle cianfrinatubi dobbiamo disporre di una pressione di 6,5/7 BAR; se fosse superiore interporre un riduttore di pressione con relativo manometro.
2. Aria filtrata e lubrificata, indispensabile l'uso di filtro, separatore aria/acqua, lubrificatore automatico con olio speciale per utensili pneumatici
3. Portata adeguata al consumo previsto. Consigliamo per gruppo MS manichette diametro interno mm 10 esterno mm 19; per gruppo MB e gruppo SL manichette diametro intero mm 13 esterno mm 23, limitando la lunghezza delle manichette
4. Prima di collegare l'apparecchiature fare defluire un pò d'aria dal tubo di alimentazione
5. Alla prima messa in funzione e periodicamente, eseguire il lavaggio del motore introducendo nafta nelle presa d'aria, fare funzionare per qualche secondo, poi lubrificare. Eseguire la stessa operazione quando la macchina viene usata dopo un lungo periodo di inutilizzo. Questa operazione basta spesso per rendere perfettamente efficiente il motore che ha perso di potenza o addirittura si è bloccato a causa di intasamenti usare il gruppo FRLM Filtro Regolatore Lubrificatore Manometro per pulire aria, regolare e controllare la pressione. Regolare la lubrificazione aria con apposito cacciavite.

Manutenzione consigliata

Se viene lasciata inattiva per lunghi periodi, è opportuno introdurre olio speciale per utensili pneumatici nel motore e farlo funzionare qualche secondo prima di riporlo. Le parti interne resteranno così protette da un velo di lubrificante. Ultimo ma importante è l'impiego del bilanciatore per facilitare l'operatore nei lavori ripetitivi.

OPERATING MODE CIANFRINATUB

GENERAL INFORMATION

Connection to the compressed air network

1. For a correct use of cianfrinatubi we must have a pressure of 6.5 / 7 BAR, if higher interpose a pressure reducer with manometer.
2. Filtered and lubricated air, necessary to use a filter, air / water separator, lubricator with special oil for pneumatic tools
3. Adequate capacity for the anticipated consumption. We recommend for MS group hose inner diameter 10 mm outer 19 mm, for group and MB group SL hoses entire diameter 13 mm outer 23 mm, limiting the length of the hoses
4. Before connecting the equipment to drain a little air from the supply hose
5. At the first start-up and periodically run the engine cleaned by introducing oil into the air intake, to run for a few seconds and then lubricate. Do the same when the machine is used after a long period of inactivity. This operation is often sufficient to make perfectly efficient engine that has lost power or has even become jammed due to obstruction to use the group FRLM Filter Regulator Lubricator Pressure Gauge for clean air, regulate and control the pressure. Adjust the air lubrication with a suitable screwdriver.

Recommended maintenance

If it is left idle for long periods, it is appropriate to introduce special oil for pneumatic tools in the engine and let it run for a few seconds before putting it away. The internal components will remain protected by a film of lubricant. Last but important is the use of the balancer to assist the operator in repetitive work.

NEW ITM FOUNDATION

INDUSTRIAL TECHNOLOGIC MACHINE

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