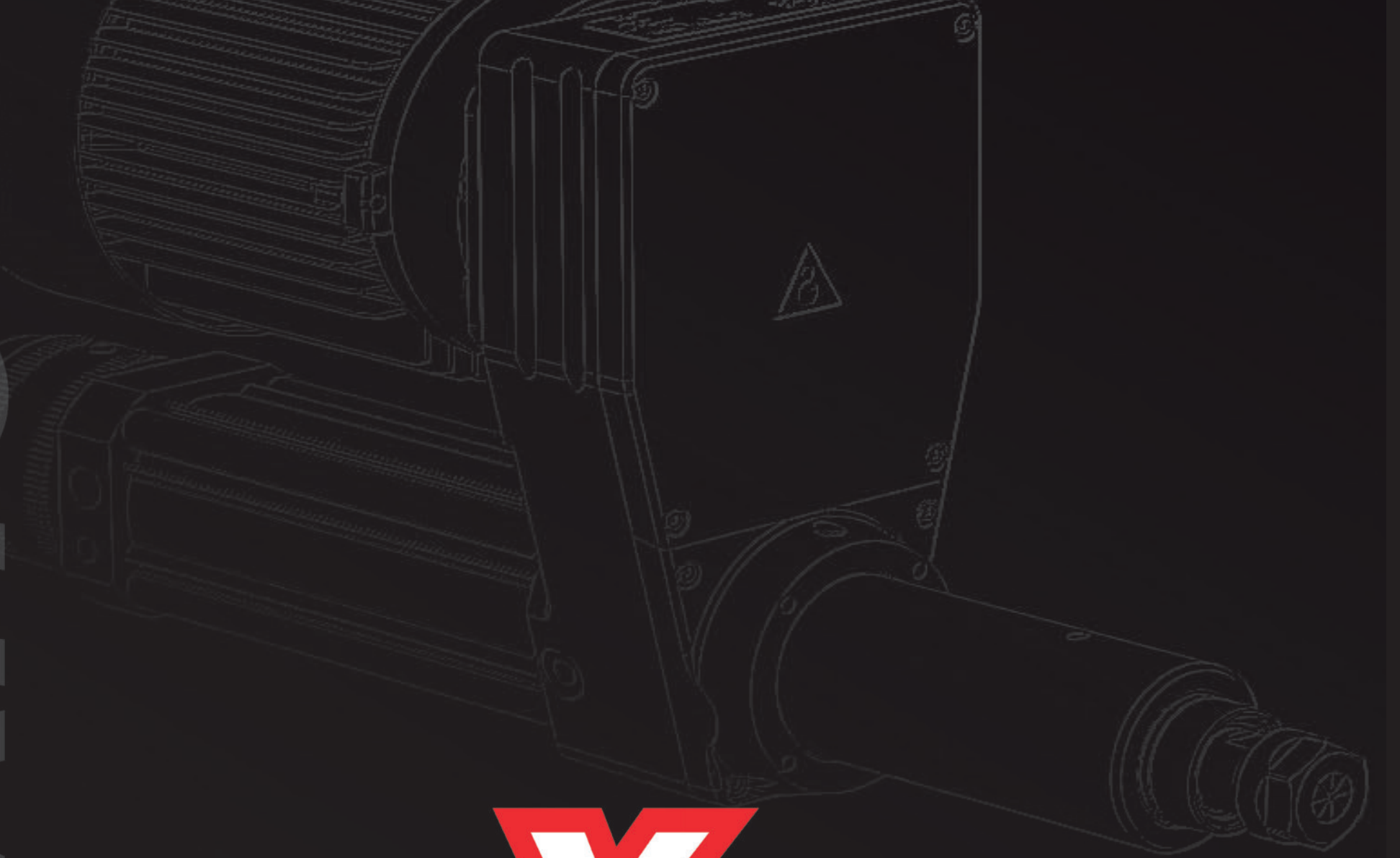


MAXMATIC



MAXMATIC  TM
drill and tap solutions

Drilling units / Unità di foratura

DU10P.50	6
DU10P.100	8
DU20P.100	10
DU20P.150	12

CNC units / Unità CNC

DU10E.50	14
DU10E.100	16
DU20E.100	18
DU20E.150	20

Tapping units / Unità di maschiatura

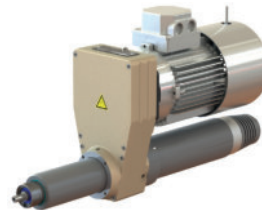
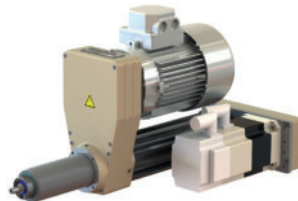
TM10.60	24
TM10P.90	26
TM20.80	28
TM20P.90	30

Drill & Tap units / Unità fora-maschia

FM10P.50	32
FM10P.100	34
FM20P.100	36
FM20P.150	38

Working units / Unità di lavoro

SU10	42
SU20	44
SU30	46
SU45	48
SU60	50



Spindle heads / Teste mandrino

SH10 / SH20.....	52
SH30 / SH45.....	53

Slide units / Unità di avanzamento

SL30E.120	54
SL30E.150	56
SL30E.190	58
SL30E.250	60
SL30P.125	62
SL30P.150	64
SL30P.200	66
SL30P.250	68
SL45E.250	70
SL45E.400	72
SL50E.250	74
SL50E.400	76
SL60E.250	78
SL60E.400	80
SL70E.250	82
SL70E.400	84

Hydrochecks / Regolatori idraulici

Multispindle heads / Teste multiple

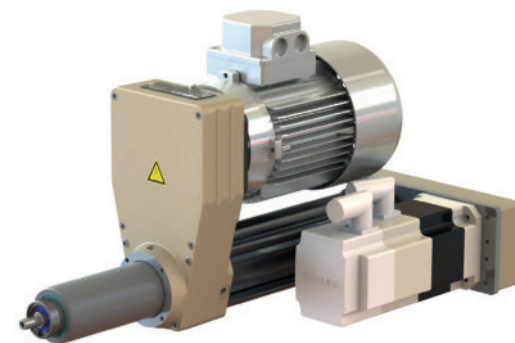
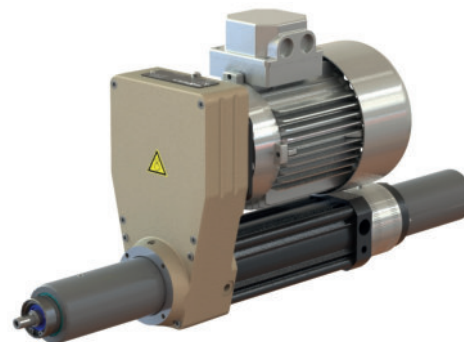
Accessories series 10 / Accessori serie 10

Accessories series 20 / Accessori serie 20



- Quill drilling units suitable to work many material types.
- Working stroke from 0 to 150 mm in accordance with the model.
- Pneumatic feeding.
- Hydrocheck feed control coaxial to the spindle for pneumatic versions.
- Fast and slow advance separately adjustable.
- Integral spindle to improve accuracy runout and stiffness .
- Ready to install hydrocheck peck feeding device.
- All units are equipped of 2 limit switches.
- Mechanical end-stop to guarantee position repeatability.
- Ready to install multispindle heads.

Units are available with ball screw feed and prearranged for customer's servomotor.



- Unità di foratura a canotto idonee alla lavorazione di molteplici materiali.
- Corsa di lavoro da 0 a 150 mm in base al modello.
- Avanzamento pneumatico.
- Regolatore idraulico di velocità coassiale al mandrino per le versioni pneumatiche.
- Avanzamenti rapido e lento regolabili separatamente.
- Mandrino integrale per garantire maggior precisione e rigidità.
- Possibilità di predisposizione dell'unità per lo scarico del truciolo.
- Tutte le unità sono dotate di 2 fine corsa di posizione.
- Battuta meccanica per garantire la ripetibilità della posizione.
- Possibilità di installazione teste multimandrino.

Disponibili versioni con avanzamento a vite con ricircolo di sfere e predisposizione per l'installazione del servomotore del cliente.





MATERIALE MATERIAL		DIAMETRO DI FORATURA / DRILLING DIAMETER									
		2	4	6	8	10	12	14	16	18	20
Acciao Steel ≤ 500 Nmm ²	Rpm	4000	2500	1500	1250	1000	800	700	500	500	
	mm / ʘ	0,05	0,07	0,12	0,14	0,16	0,18	0,2	0,22	0,22	
	N →	200	500	800	1200	1600	1800	2000	3000	3500	
	Kw	0,03	0,11	0,25	0,48	0,55	0,75	0,75	1,10	1,50	
Acciao Steel ≤ 700 Nmm ²	Rpm	2500	2000	1500	1000	800	700	500			
	mm / ʘ	0,05	0,08	0,10	0,12	0,14	0,16	0,18			
	N →	300	600	1000	1800	2500	3200	4000			
	Kw	0,03	0,08	0,20	0,40	0,60	0,75	1,10			
Acciao Steel ≤ 1000 Nmm ²	Rpm	1500	1500	1000	800	500	500				
	mm / ʘ	0,03	0,05	0,08	0,08	0,10	0,12				
	N →	230	680	1200	1600	2400	3200				
	Kw	0,02	0,05	0,20	0,30	0,60	0,75				
Ghisa Grey Iron ≤ 250 Nmm ²	Rpm	2500	1500	1000	750	500	500	500			
	mm / ʘ	0,06	0,10	0,15	0,18	0,20	0,25	0,30			
	N →	150	400	800	1200	1600	2300	2900			
	Kw	0,02	0,06	0,20	0,25	0,50	0,75	1,10			
Ottone Brass	Rpm	5000	4000	2500	1500	1250	1100	1100	800		
	mm / ʘ	0,06	0,10	0,15	0,18	0,20	0,20	0,25	0,30		
	N →	150	600	800	1000	1200	1600	2400	3000		
	Kw	0,02	0,20	0,40	0,50	0,60	0,75	1,10	1,50		
Alluminio Aluminium	Rpm	5000	4000	2500	1500	1500	1500	1250	1100	800	500
	mm / ʘ	0,06	0,10	0,15	0,18	0,18	0,20	0,20	0,30	0,35	0,40
	N →	90	200	400	600	800	1000	1300	2000	2400	3000
	Kw	0,02	0,06	0,15	0,25	0,30	0,55	0,75	1,10	1,50	2,20
Lega 2011 Alloy 2011	Rpm	6000	5000	4000	2500	1500	1500	1500	1100	800	500
	mm / ʘ	0,08	0,12	0,15	0,20	0,20	0,20	0,20	0,30	0,30	0,35
	N →	150	350	600	1000	1100	1400	1800	2400	3000	3400
	Kw	0,03	0,10	0,25	0,35	0,40	0,55	0,75	1,10	1,50	2,20

DU10
DE10

DU20
DE20

Rpm	Giri mandrino Spindle Rpm	mm/ʘ	Avanz. mm/giro Feed mm/rev.	N →	Spinta avanzamento Feed advance	Kw	Potenza motore Motor power
-----	------------------------------	------	--------------------------------	-----	------------------------------------	----	-------------------------------

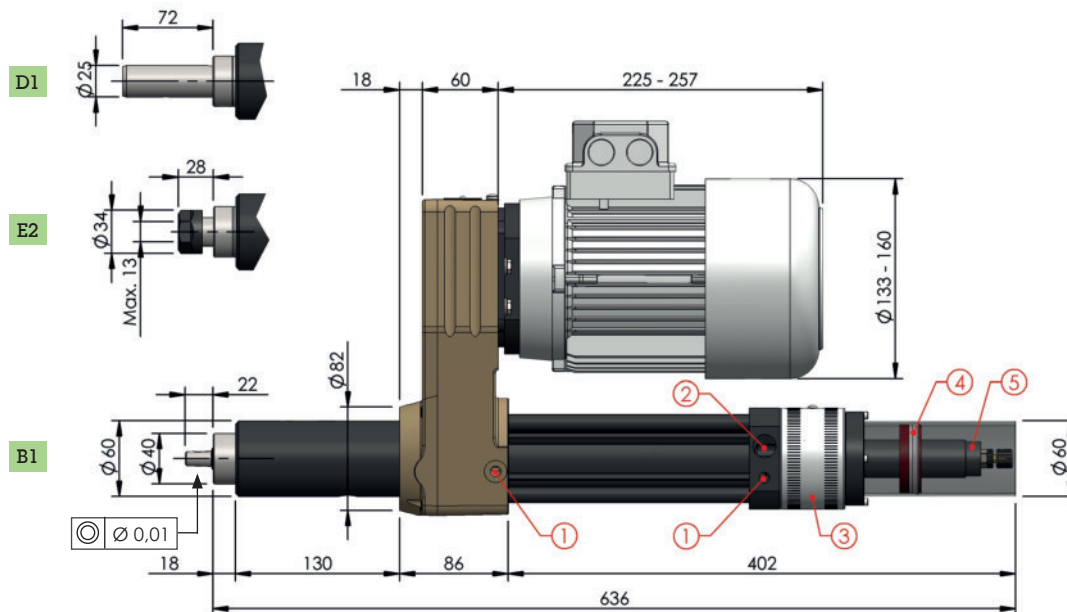
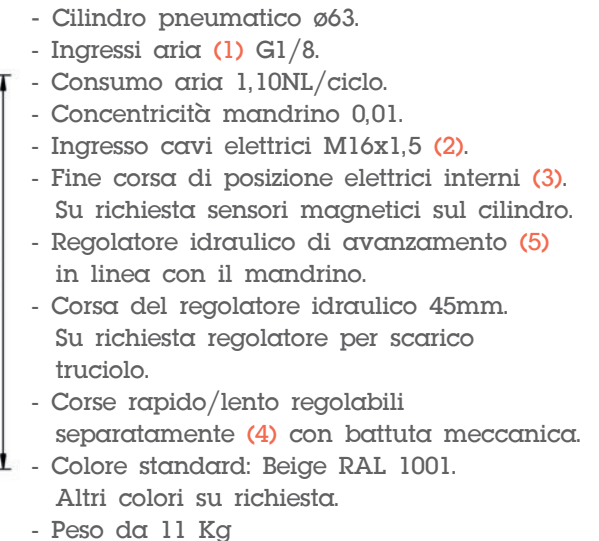
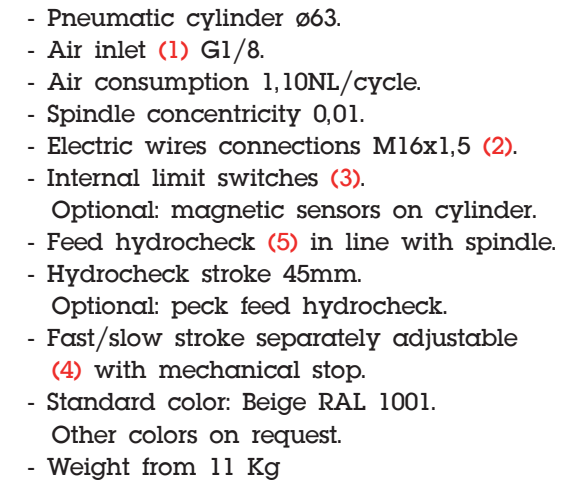
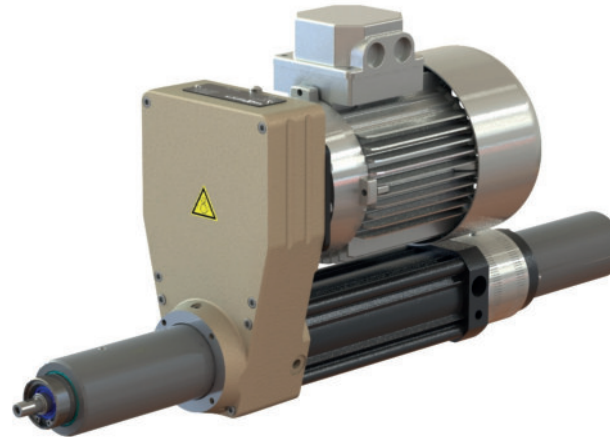
The exposed data refer to the use of tools in HSS and are purely indicative and non-binding. Such data may undergo considerable variations depending on the material, working conditions and others cause.

To drill with multispindle head, the values must be multiplied for the number of spindle of the multispindle head.

I dati esposti fanno riferimento all'utilizzo di utensili in HSS e sono puramente indicativi e non vincolanti. Tali dati possono subire notevoli variazioni in funzione del materiale, delle condizioni di lavoro ed altri fattori.

Per forature con teste multiple, i valori indicati vanno moltiplicati per il numero di mandrini della testa.

DU10P.50	
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	50 mm 50 mm
Drilling Capacity Capacita' di foratura	ø10 on steel Rm50 ø10 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	1200 N 122 Kg
Spindle speed Velocita' mandrino	from 500 to 9000 rpm da 500 a 9000 g/1'
Motor Power Potenza Motore	from 0.37 to 1.1 Kw da 0.37 a 1.1 Kw



DU10P

50

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600
50	5000	6000
70	7000	8400
90	9000	10800

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	hydrocheck / regolatore
45H	standard
45HS	with oil bowl con serbatoio olio
75HP	peck feed scarico trucioli

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

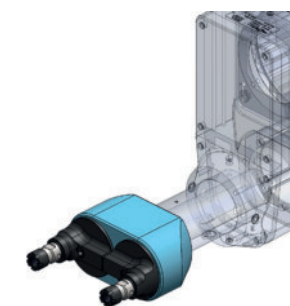
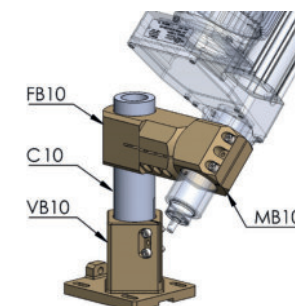
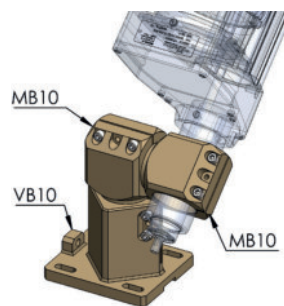
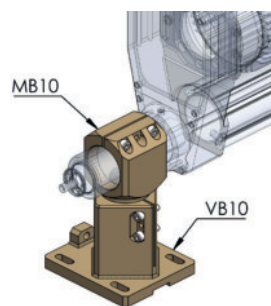
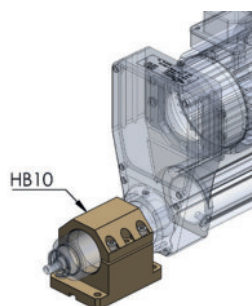
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

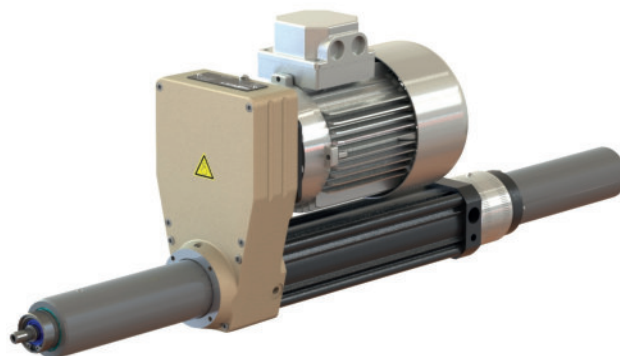
drilling units



unità di foratura

DU10P.100

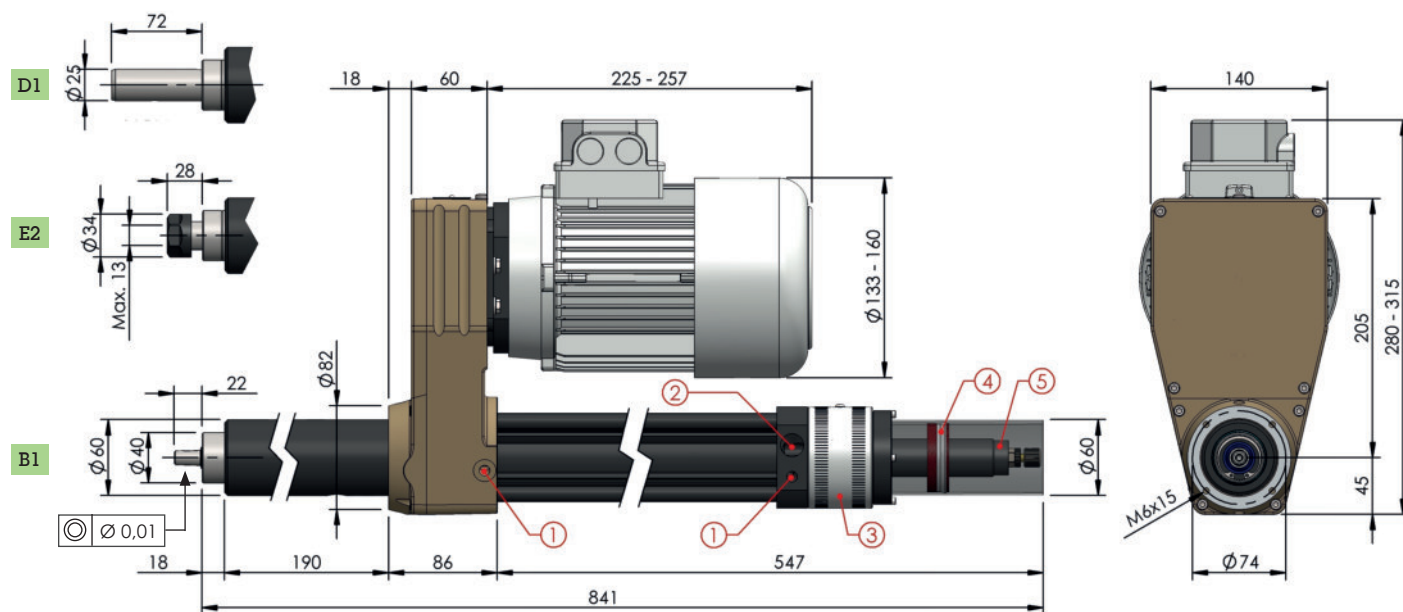
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	100 mm 100 mm
Drilling Capacity Capacità di foratura	Ø10 on steel Rm50 Ø10 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	1200 N 122 Kg
Spindle speed Velocità mandrino	from 500 to 9000 rpm da 500 a 9000 g/1'
Motor Power Potenza Motore	from 0.37 to 1.1 Kw da 0.37 a 1.1 Kw



- Pneumatic cylinder Ø63.
- Air inlet (1) G1/8.
- Air consumption 2,20NL/cycle.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (2).
- Internal limit switches (3).
- Optional: magnetic sensors on cylinder.
- Feed hydrocheck (5) in line with spindle.
- Hydrocheck stroke 75mm.
- Optional: peck feed hydrocheck.
- Fast/slow stroke separately adjustable (4) with mechanical stop.
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 15 Kg



- Cilindro pneumatico Ø63.
- Ingressi aria (1) G1/8.
- Consumo aria 2,20NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (2).
- Fine corsa di posizione elettrici interni (3).
- Su richiesta sensori magnetici sul cilindro.
- Regolatore idraulico di avanzamento (5) in linea con il mandrino.
- Corsa del regolatore idraulico 75mm.
- Su richiesta regolatore per scarico truciolo.
- Corse rapido/lento regolabili separatamente (4) con battuta meccanica.
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 15 Kg



DU10P

100

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	Ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600
50	5000	6000
70	7000	8400
90	9000	10800

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	hydrocheck / regolatore
75H	standard
75HS	with oil bowl con serbatoio olio
100HP	peck feed scarico trucioli

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013

RAL 3028

RAL 1023

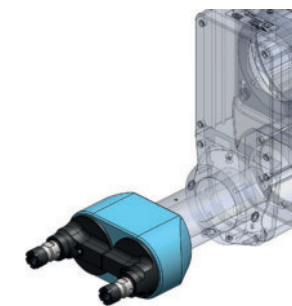
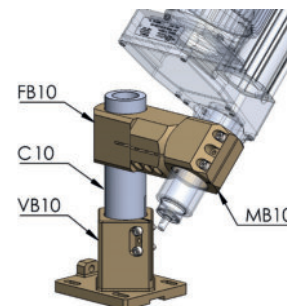
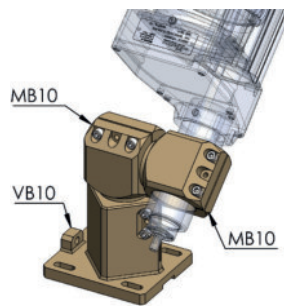
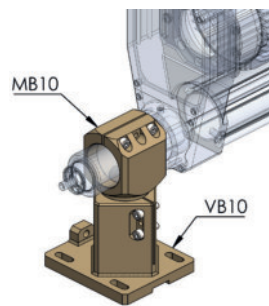
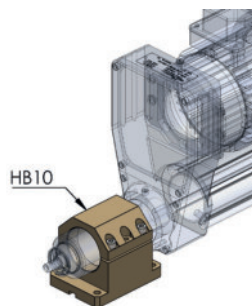
RAL 5015

RAL 2003

RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

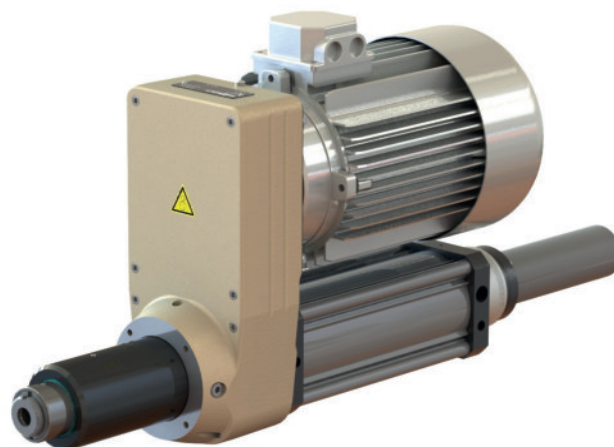
drilling units



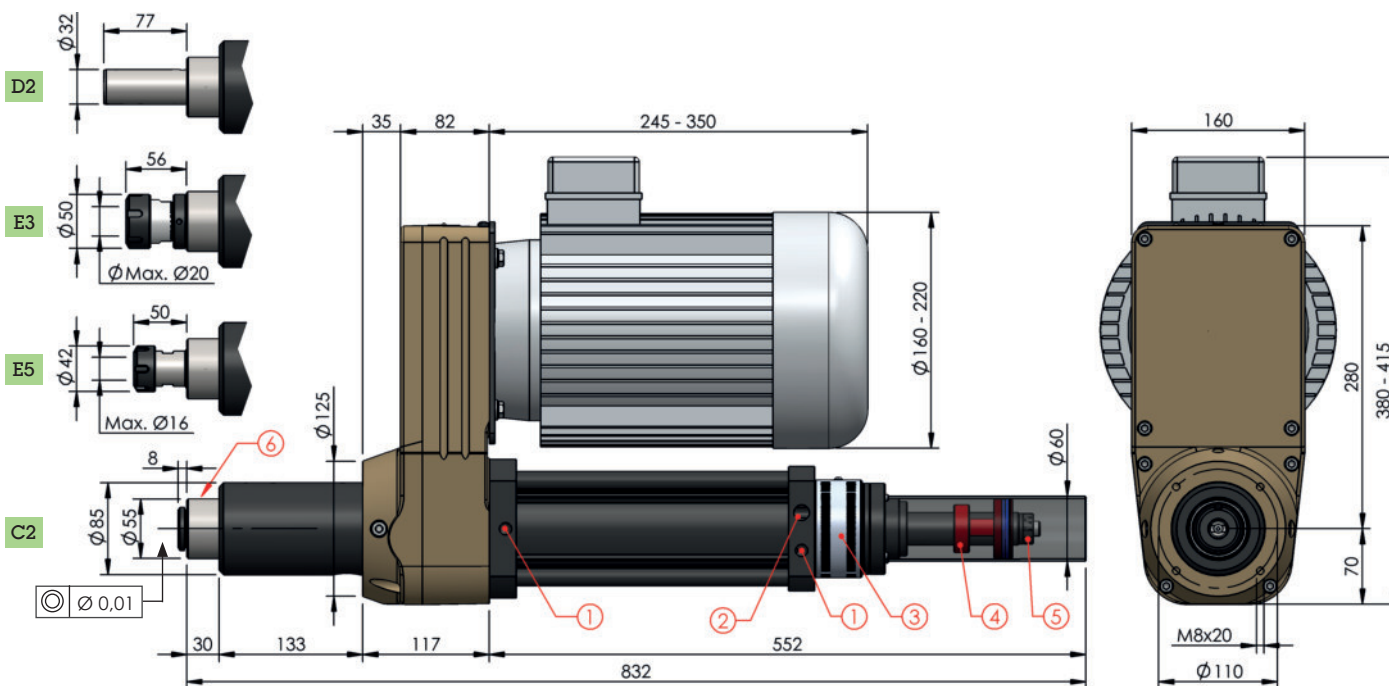
unità di foratura

DU20P.100

Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	100 mm 100 mm
Drilling Capacity Capacità di foratura	Ø18 on steel Rm50 Ø18 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	3700 N 375 Kg
Spindle speed Velocità mandrino	from 100 to 4500 rpm da 100 a 4500 g/l'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Pneumatic cylinder Ø100.
- Air inlet (1) G1/4.
- Air consumption 5,00NL/cycle.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (2).
- Internal limit switches (3).
- Optional: magnetic sensors on cylinder.
- Feed hydrocheck (5) in line with spindle.
- Hydrocheck stroke 75mm.
- Optional: peck feed hydrocheck.
- Fast/slow stroke separately adjustable (4) with mechanical stop.
- Air inlet 0.5bar for internal spindle pressurization (6).
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 28 Kg



- Cilindro pneumatico Ø100.
- Ingressi aria (1) G1/4.
- Consumo aria 5,00NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (2).
- Fine corsa di posizione elettrici interni (3).
- Su richiesta sensori magnetici sul cilindro.
- Regolatore idraulico di avanzamento (5) in linea con il mandrino.
- Corsa del regolatore idraulico 75mm.
- Su richiesta regolatore per scarico truciolo.
- Corse rapido/lento regolabili separatamente (4) con battuta meccanica.
- Ingresso aria 0.5bar per pressurizzazione interna del mandrino (6).
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 28 Kg

DU20P

100

stroke / corsa

	spindle / mandrino
C2	MT2 DIN 228
E5	ER25 DIN 6499
E3	ER32 DIN 6499
D2	ø20 DIN 55058

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360
05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800
22	2200	2640
30	3000	3600
45	4500	5400

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles
152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	hydrocheck / regolatore
75H	standard
75HS	with oil bowl con serbatoio olio
100HP	peck feed scarico trucioli

STANDARD COLOR

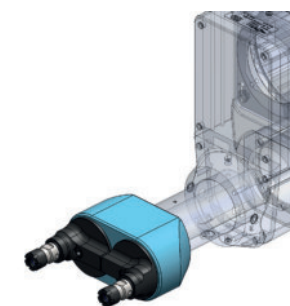
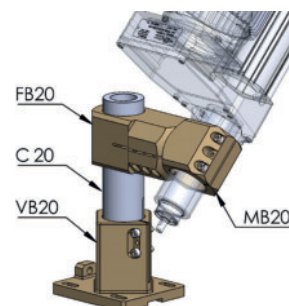
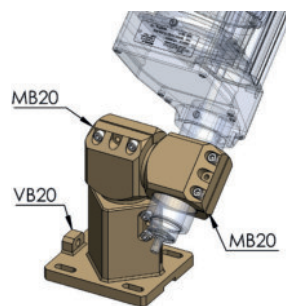
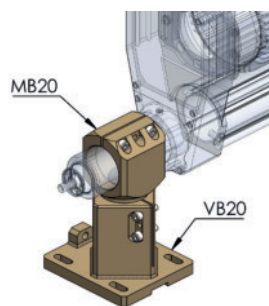
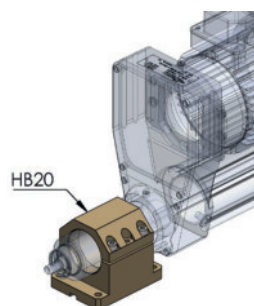
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione

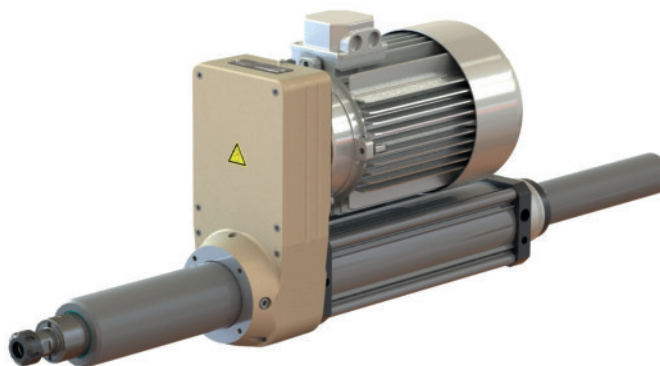


multispindle head
teste multiple



DU20P.150

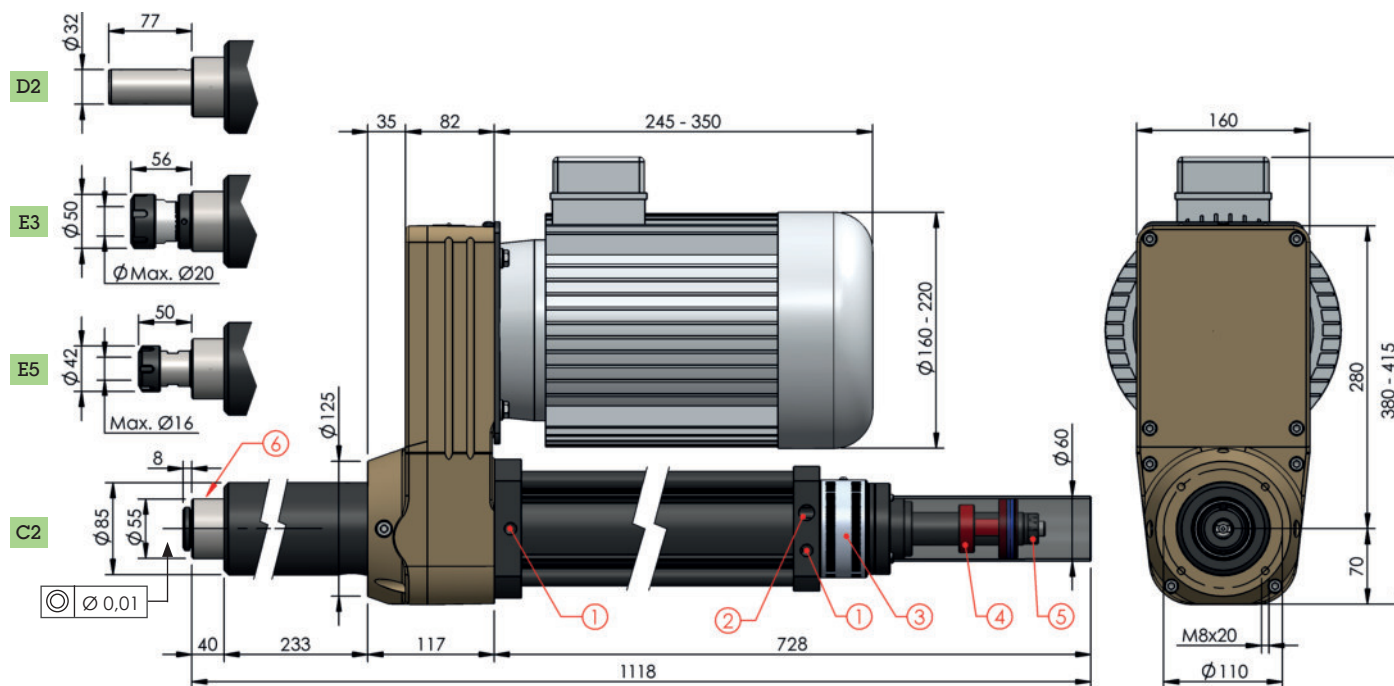
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	150 mm 150 mm
Drilling Capacity Capacità di foratura	ø18 on steel Rm50 ø18 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	3700 N 375 Kg
Spindle speed Velocità mandrino	from 100 to 3000 rpm da 100 a 3000 g/1'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Pneumatic cylinder ø100.
- Air inlet (1) G1/4.
- Air consumption 7,50NL/cycle.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (2).
- Internal limit switches (3).
- Optional: magnetic sensors on cylinder.
- Feed hydrocheck (5) in line with spindle.
- Hydrocheck stroke 100mm.
- Optional: peck feed hydrocheck.
- Fast/slow stroke separately adjustable (4) with mechanical stop.
- Air inlet 0.5bar for internal spindle pressurization (6).
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 35 Kg



- Cilindro pneumatico ø100.
- Ingressi aria (1) G1/4.
- Consumo aria 7,50NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (2).
- Fine corsa di posizione elettrici interni (3).
- Su richiesta sensori magnetici sul cilindro.
- Regolatore idraulico di avanzamento (5) in linea con il mandrino.
- Corsa del regolatore idraulico 100mm.
- Su richiesta regolatore per scarico truciolo.
- Corse rapido/lento regolabili separatamente (4) con battuta meccanica.
- Ingresso aria 0.5bar per pressurizzazione interna del mandrino (6).
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 35 Kg



DU20P

150

stroke / corsa

	spindle / mandrino
C2	MT2 DIN228
E5	ER25 DIN 6499
E3	ER32 DIN 6499
D2	ø20 DIN 55058

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360
05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800
22	2200	2640
30	3000	3600

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles
152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	hydrocheck / regolatore
100H	standard
100HS	with oil bowl con serbatoio olio
150HP	peck feed scarico trucioli

STANDARD COLOR

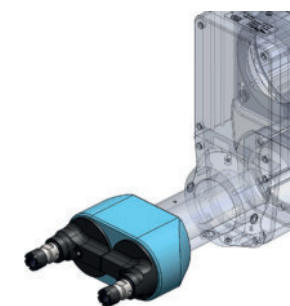
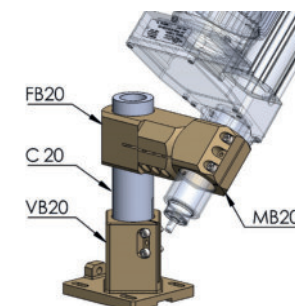
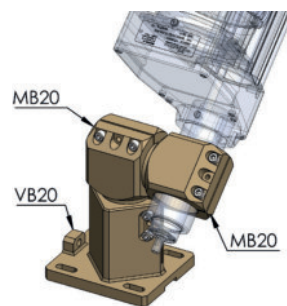
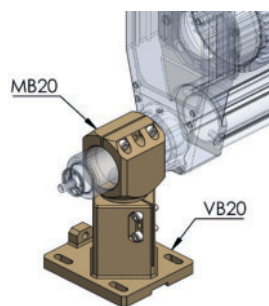
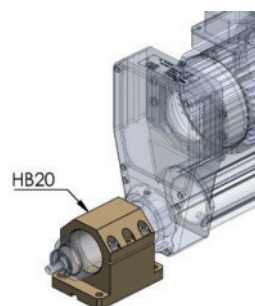
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

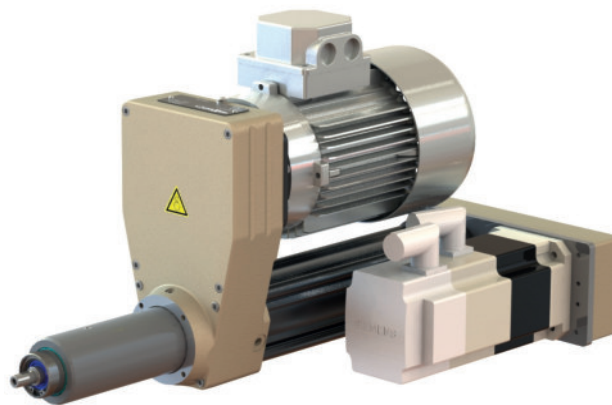
optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

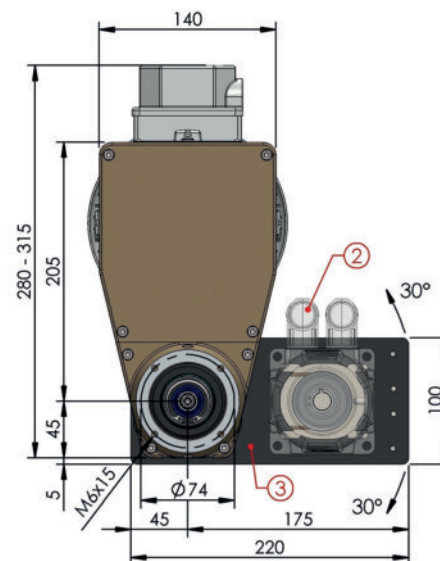
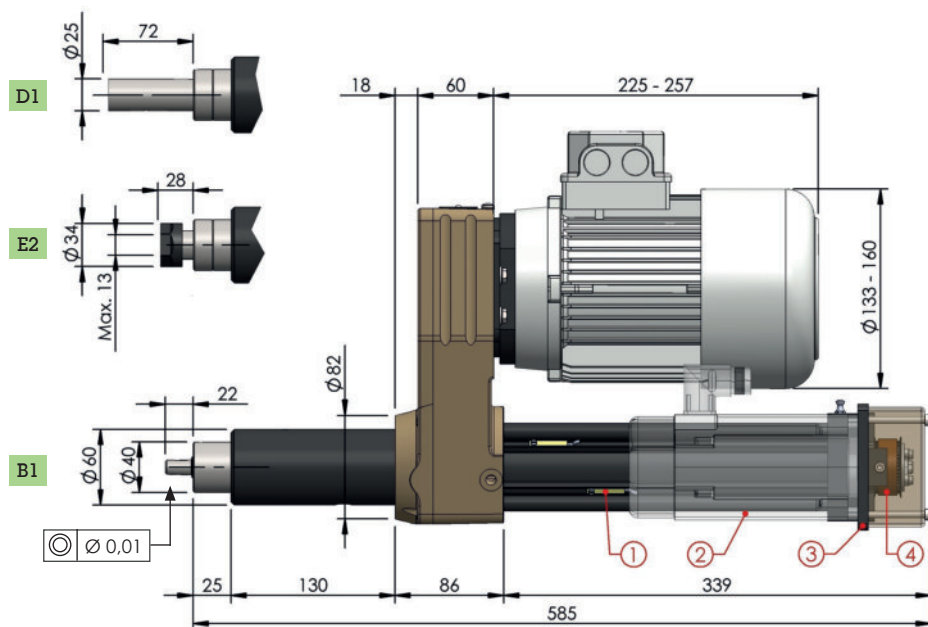
Feed	balls screw ø16x5
Avanzamento	vite a sfere ø16x5
Working stroke	50 mm
Corsa utile	50 mm
Drilling Capacity	ø10 on steel Rm50
Capacita' di foratura	ø10 su acciaio Rm50
Max thrust	1500 N
Spinta massima	153 Kg
Spindle speed	from 500 to 9000 rpm
Velocita' mandrino	da 500 a 9000 g/l'
Motor Power	from 0.37 to 1.1 Kw
Potenza Motore	da 0.37 a 1.10 Kw



- Advance by ball screw $\phi 16 \times 5$, preloded nut to "0" back lash.
- Spindle concentricity 0,01.
- N. 3 magnetic switches REED PNP-NO (1): front, rear and "0" position.
- Working stroke 50mm.
- Feed servomotor not included (2).
- Predisposition for customer's servomotor (3).
- Servomotor-ball screw transmission (4) by thooosed belt HTD, ratio 1:1 or 1:2.
- Servomotor torque:
ratio 1:1 max 1,5N/m
ratio 1:2 max 0,75N/m
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 12 Kg



- Avanzamento con vite a ricircolo di sfere $\varnothing 16 \times 5$, chiocciola precaricata a gioco "0".
- Concentricità mandrino 0,01.
- N. 3 sensori magnetici REED PNP-NO (1):
fine corsa posizione "0", fine corsa avanti,
fine corsa indietro.
- Corsa utile 50mm.
- Servomotore avanzamento non fornito (2).
- Predisposizione per servomotore cliente (3).
- Trasmissione servomotore-vite (4) con
cinghia dentata HTD, rapporto 1:1 o 1:2.
- Coppia servomotore:
rapporto 1:1 max 1,5N/m
rapporto 1:2 max 0,75N/m
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 12 Kg



DU10E

50

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600
50	5000	6000
70	7000	8400
90	9000	10800

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

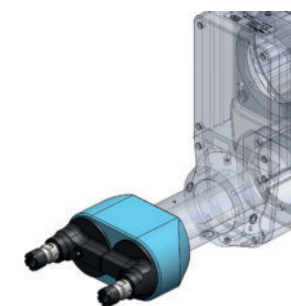
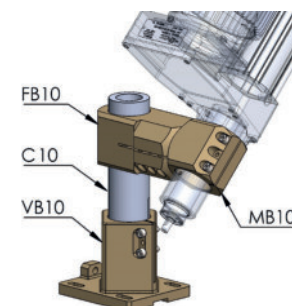
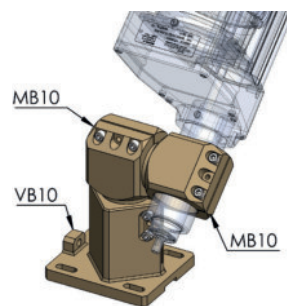
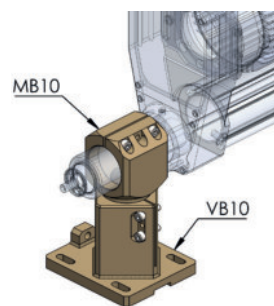
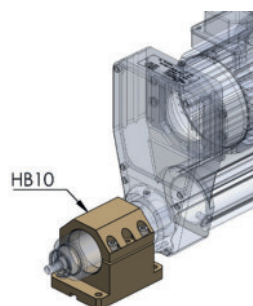
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

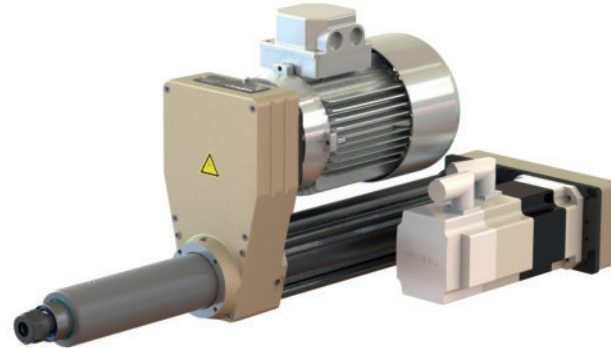
accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

DU10E.100

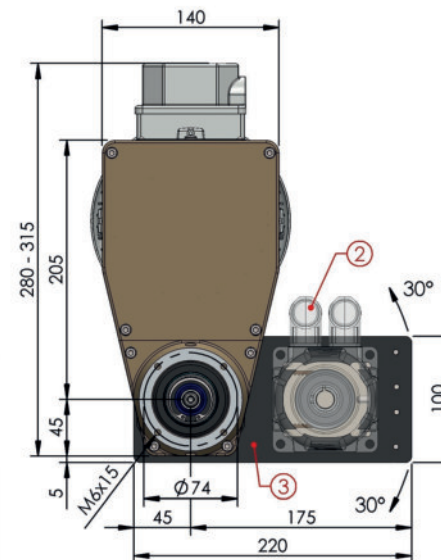
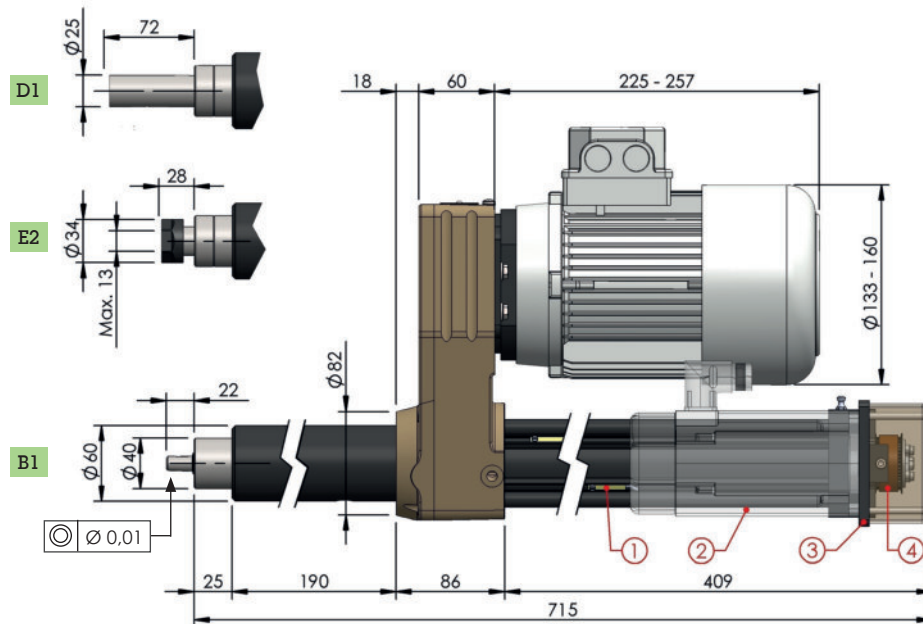
Feed	balls screw $\varnothing 16 \times 5$
Avanzamento	vite a sfere $\varnothing 16 \times 5$
Working stroke	90 mm
Corsa utile	90 mm
Drilling Capacity	$\varnothing 10$ on steel Rm50
Capacita' di foratura	$\varnothing 10$ su acciaio Rm50
Max thrust	1500 N
Spinta massima	153 Kg
Spindle speed	from 500 to 9000 rpm
Velocita' mandrino	da 500 a 9000 g/l'
Motor Power	from 0.37 to 1.10 Kw
Potenza Motore	da 0.37 a 1.10 Kw



- Advance by ball screw $\varnothing 16 \times 5$,
preloaded nut to "0" back lash.
- Spindle concentricity 0,01.
- N. 3 magnetic switches REED PNP-NO (1):
front, rear and "0" position.
- Working stroke 90mm.
- Feed servomotor not included (2).
- Predisposition for customer's servomotor (3).
- Servomotor-ball screw transmission (4)
by thooosed belt HTD, ratio 1:1 or 1:2.
- Servomotor torque:
ratio 1:1 max 1,5N/m
ratio 1:2 max 0,75N/m
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 15 Kg



- Avanzamento con vite a ricircolo di sfere $\varnothing 16 \times 5$, ciocciola precaricata a gioco "0".
- Concentricità mandrino 0,01.
- N. 3 sensori magnetici REED PNP-NO (1):
fine corsa posizione "0", fine corsa avanti,
fine corsa indietro.
- Corsa utile 90mm.
- Servomotore avanzamento non fornito (2).
- Predisposizione per servomotore cliente (3).
- Trasmissione servomotore-vite (4) con
cinghia dentata HTD, rapporto 1:1 o 1:2.
- Coppia servomotore:
rapporto 1:1 max 1,5N/m
rapporto 1:2 max 0,75N/m
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 15 Kg



DU10E

100

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600
50	5000	6000
70	7000	8400
90	9000	10800

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

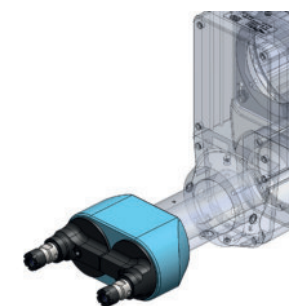
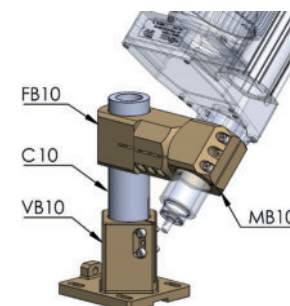
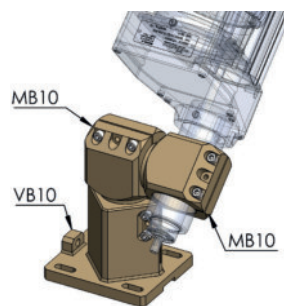
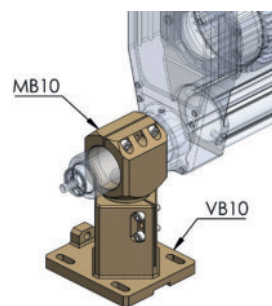
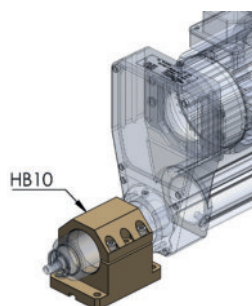
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

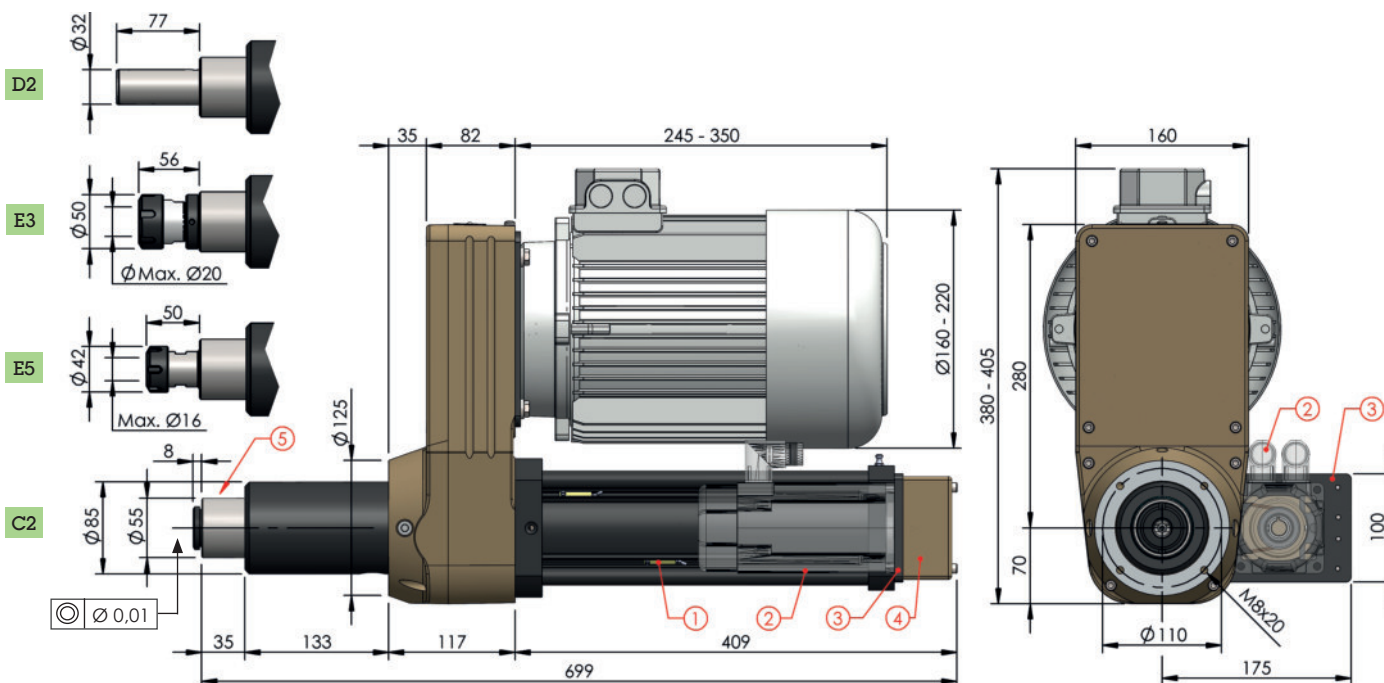
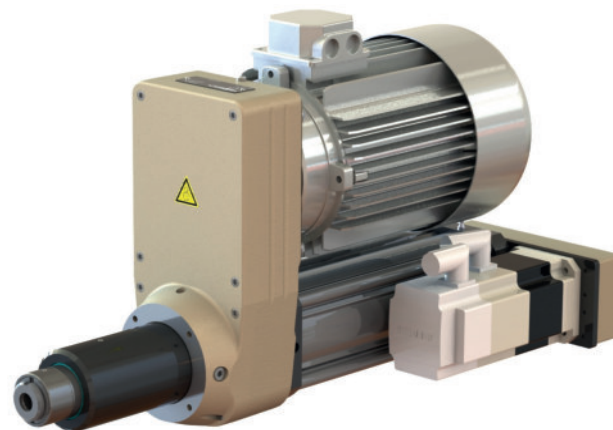
optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

Feed	balls screw ø16x5
Avanzamento	vite a sfere ø16x5
Working stroke	90 mm
Corsa utile	90 mm
Drilling Capacity	ø18 on steel Rm50
Capacita' di foratura	ø18 su acciaio Rm50
Max thrust	4000 N
Spinta massima	407 Kg
Spindle speed	from 100 to 4500 rpm
Velocita' mandrino	da 100 a 4500 g/l'
Motor Power	from 0.75 to 3.00 Kw
Potenza Motore	da 0.75 a 3.00 Kw



- Advance by ball screw $\phi 16 \times 5$, preloded nut to "0" back lash.
- Spindle concentricity 0,01.
- N. 3 magnetic switches REED PNP-NO (1): front, rear and "0" position.
- Working stroke 90mm.
- Feed servomotor not included (2).
- Predisposition for customer's servomotor (3).
- Servomotor-ball screw transmission (4) by thooosed belt HTD, ratio 1:1 or 1:2.
- Servomotor torque:
ratio 1:1 max 4,0N/m
ratio 1:2 max 2,0N/m
- Air inlet 0.5bar for internal spindle pressurization (5).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 26 Kg



- Avanzamento con vite a ricircolo di sfere $\varnothing 16 \times 5$, chiocciola precaricata a gioco "0".
- Concentricità mandrino 0,01.
- N. 3 sensori magnetici REED PNP-NO (1):
fine corsa posizione "0", fine corsa avanti,
fine corsa indietro.
- Corsa utile 90mm.
- Servomotore avanzamento non fornito (2).
- Predisposizione per servomotore cliente (3).
- Trasmissione servomotore-vite (4) con
cinghia HTD, rapporto 1:1 o 1:2.
- Coppia servomotore:
rapporto 1:1 max 4,0N/m
rapporto 1:2 max 2,0N/m
- Ingresso aria 0.5bar per pressurizzazione
interna del mandrino (5).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 26 Kg

DU20E		100						
stroke / corsa								
	spindle / mandrino	rpm		motor / motore		motor type / tipo motore		
		50Hz	60Hz					
C2	MT2 DIN 228	01	100	120	80...	motor reducer 0,75Kw 4 poles	S	230-400V-50/60Hz
E5	ER25 DIN 6499	02	200	240	81...	motor reducer 1,50Kw 4 poles	A	brake motor autofrenante
E3	ER32 DIN 6499	03	300	360			V	forced ventilation servoventilato
D2	ø20 DIN 55058				076	90 B14 0,75Kw 6 poles	AV	brake motor + forced ventilation autofrenante + servoventilato
		05	500	600	116	90 B14 1,10Kw 6 poles		
		07	700	840	156	100 B14 1,50Kw 6 poles		
		08	800	960	226	112 B14 2,20Kw 6 poles		
		11	1100	1320				
		15	1500	1800	074	80 B14 0,75Kw 4 poles		
					114	90 B14 1,10Kw 4 poles		
		22	2200	2640	154	90 B14 1,50Kw 4 poles		
		30	3000	3600	224	100 B14 2,20Kw 4 poles		
		45	4500	5400	304	100 B14 3,00Kw 4 poles		
					072	80 B14 0,75Kw 2 poles		
					112	80 B14 1,10Kw 2 poles		
					152	90 B14 1,50Kw 2 poles		
					222	90 B14 2,20Kw 2 poles		
					302	100 B14 3,00Kw 2 poles		

STANDARD

RAL

OPTIONAL C

optional :

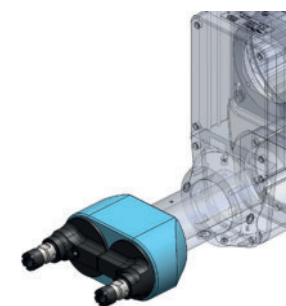
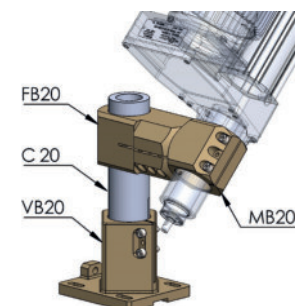
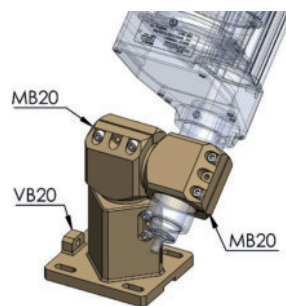
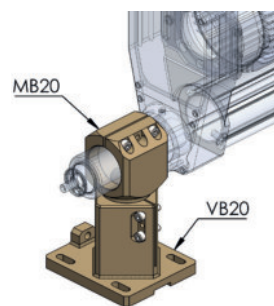
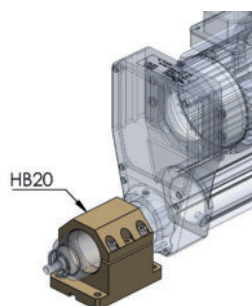
accessories for easy installation
accessori per una facile installazione

STANDARD COLOR

RAL 1001

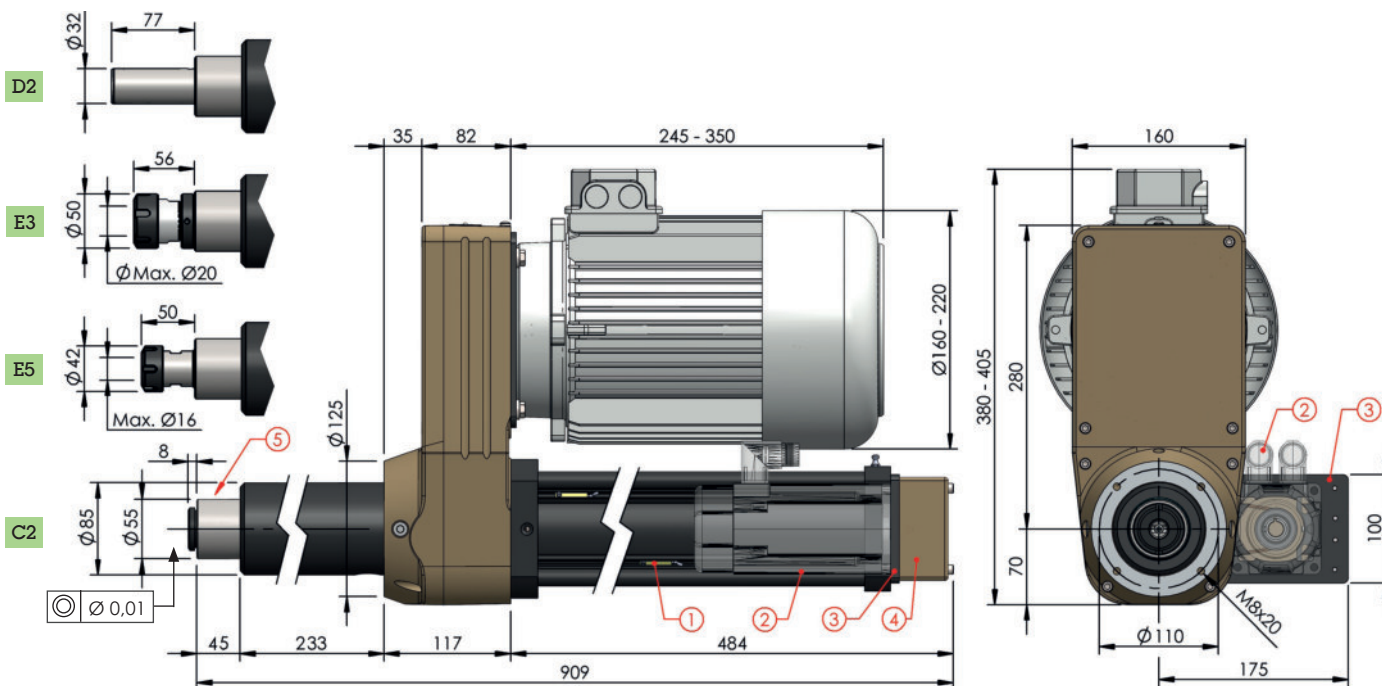
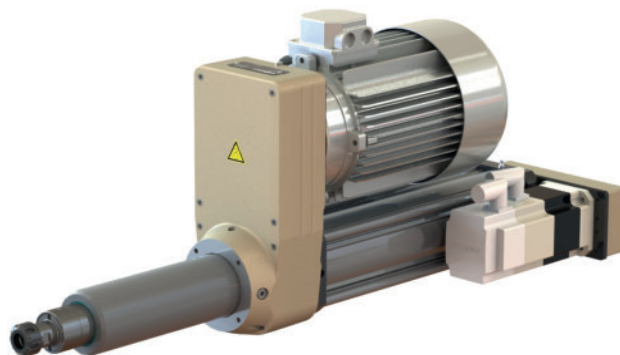
OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



multispindle head
teste multiple

Feed	balls screw ø16x5
Avanzamento	vite a sfere ø16x5
Working stroke	140 mm
Corsa utile	140 mm
Drilling Capacity	ø18 on steel Rm50
Capacita' di foratura	ø18 su acciaio Rm50
Max thrust	4000 N
Spinta massima	407 Kg
Spindle speed	from 100 to 3000 rpm
Velocita' mandrino	da 100 a 3000 g/l'
Motor Power	from 0.75 to 3.00 Kw
Potenza Motore	da 0.75 a 3.00 Kw



- Advance by ball screw $\phi 16 \times 5$,
preloaded nut to "0" back lash.
- Spindle concentricity 0,01.
- N. 3 magnetic switches REED PNP-NO (1):
front, rear and "0" position.
- Working stroke 140mm.
- Feed servomotor not included (2).
- Predisposition for customer's servomotor (3).
- Servomotor-ball screw transmission (4)
by thooosed belt HTD, ratio 1:1 or 1:2.
- Servomotor torque:
ratio 1:1 max 4,0N/m
ratio 1:2 max 2,0N/m
- Air inlet 0.5bar for internal spindle
pressurization (5).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 31 Kg



- Avanzamento con vite a ricricolo di sfere $\varnothing 16 \times 5$, chiocciola precaricata a gioco "0".
- Concentricità mandrino 0,01.
- N. 3 sensori magnetici REED PNP-NO (1):
fine corsa posizione "0", fine corsa avanti,
fine corsa indietro.
- Corsa utile 140mm.
- Servomotore avanzamento non fornito (2).
- Predisposizione per servomotore cliente (3).
- Trasmissione servomotore-vite (4) con
cinghia dentata HTD, rapporto 1:1 o 1:2.
- Coppia servomotore:
rapporto 1:1 max 4,0N/m
rapporto 1:2 max 2,0N/m
- Ingresso aria 0.5bar per pressurizzazione
interna del mandrino (5).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 31 Kg

DU20E

150

stroke / corsa

	spindle / mandrino
C2	MT2 DIN 228
E5	ER25 DIN 6499
E3	ER32 DIN 6499
D2	ø20 DIN 55058

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360
05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800
22	2200	2640
30	3000	3600

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles
152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

STANDARD COLOR

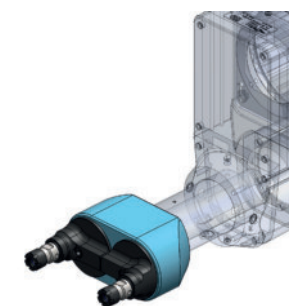
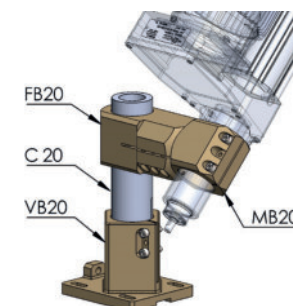
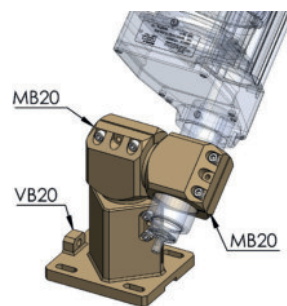
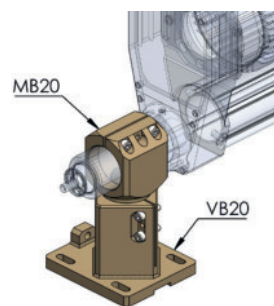
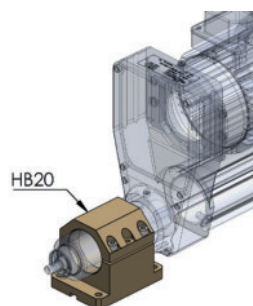
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

tapping units

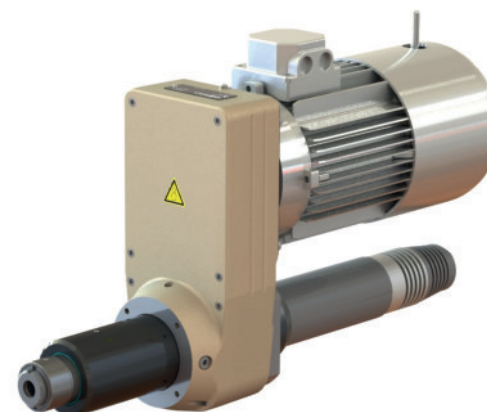
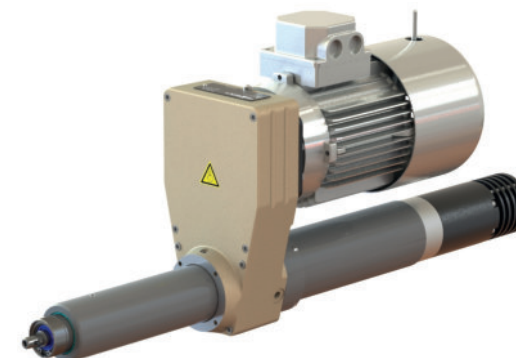
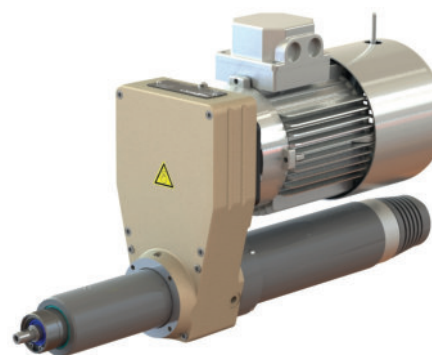
unità di maschiatura



- Quill tapping units suitable to work many material types.
- Working stroke from 0 to 80 mm in accordance with the model.
- Feed advance by lead screw.
- Oil-bath lubrication lead screw.
- Units are available with pneumatic fast approach .
- All units are equipped of position limit switches and safety switch.
- Ready to install multispindle heads.



- Unità di maschiatura a canotto idonee alla lavorazione di molteplici materiali.
- Corsa di lavoro da 0 a 80 mm in base al modello.
- Avanzamento con patrona.
- Lubrificazione patrona a bagno d'olio.
- Possibilità di accostamento rapido ad azionamento pneumatico.
- Tutte le unità sono dotate di fine corsa di posizione e fine corsa di sicurezza.
- Possibilità di installazione teste multimandrino.





tapping units

unità di maschiatura

MATERIALE MATERIAL		DIAMETRO DI MASCHIATURA / TAPPING DIAMETER									
		M3	M4	M5	M6	M8	M10	M12	M16	M18	M20
Acciao Steel ≤ 500 Nmm ²	Rpm	1500	1500	1250	1250	1000	750	500	300	200	100
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,50	2,50
	Kw	0,15	0,25	0,35	0,45	0,60	0,75	1,10	1,5	1,50	1,50
Acciao Steel ≤ 700 Nmm ²	Rpm	1500	1250	1250	1000	450	450	500	300	200	
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,50	
	Kw	0,15	0,25	0,35	0,50	0,60	0,75	1,5	1,50	1,50	
Acciao Steel ≤ 1000 Nmm ²	Rpm	1500	1000	750	450	450	300	200	200		
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,5	2,0		
	Kw	0,15	0,25	0,35	0,50	0,65	1,10	1,5	1,5		
Ghisa Grey Iron ≤ 250 Nmm ²	Rpm	1500	1000	1000	1000	750	450	300	200	100	
	mm / 〃	0,50	0,70	0,80	1,00	0,20	1,50	1,75	2,0	2,50	
	Kw	0,15	0,20	0,30	0,40	0,50	0,75	1,10	1,50	1,50	
Ottone Brass	Rpm	2000	1500	1500	1250	1000	750	450	500	300	300
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,5	2,5
	Kw	0,15	0,30	0,35	0,60	0,75	0,75	1,10	1,50	1,5	1,5
Alluminio Aluminium	Rpm	2000	1250	1250	1000	1000	750	600	500	300	300
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,50	2,50
	Kw	0,15	0,20	0,25	0,30	0,45	0,55	0,75	1,50	1,50	2,20
Lega 2011 Alloy 2011	Rpm	2500	2000	1500	1250	1000	750	600	500	300	300
	mm / 〃	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,50	2,50
	Kw	0,15	0,20	0,25	0,35	0,40	0,55	0,75	1,10	1,50	1,50

TM10

TM20

Rpm	Giri mandrino Spindle Rpm	mm/〃	Avanz. mm/giro Feed mm/rev.	Kw	Potenza motore Motor power
-----	------------------------------	------	--------------------------------	----	-------------------------------

The exposed data refer to the use of tools in HSS and are purely indicative and non-binding. Such data may undergo considerable variations depending on the material, working conditions and others cause.

To drill with multispindle head, the values must be multiplied for the number of spindle of the multispindle head.

I dati esposti fanno riferimento all'utilizzo di utensili in HSS e sono puramente indicativi e non vincolanti. Tali dati possono subire notevoli variazioni in funzione del materiale, delle condizioni di lavoro ed altri fattori.

Per forature con teste multiple i valori indicati vanno moltiplicati per il numero di mandrini della testa.

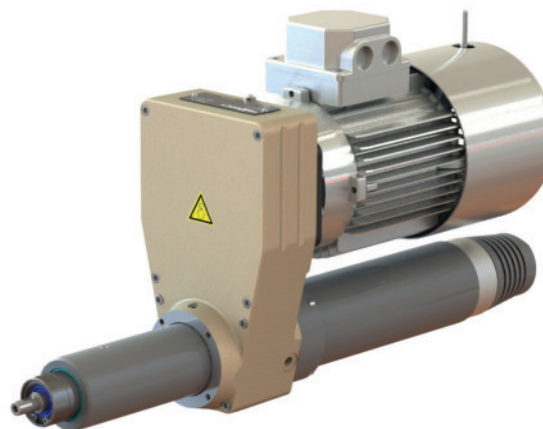
tapping units



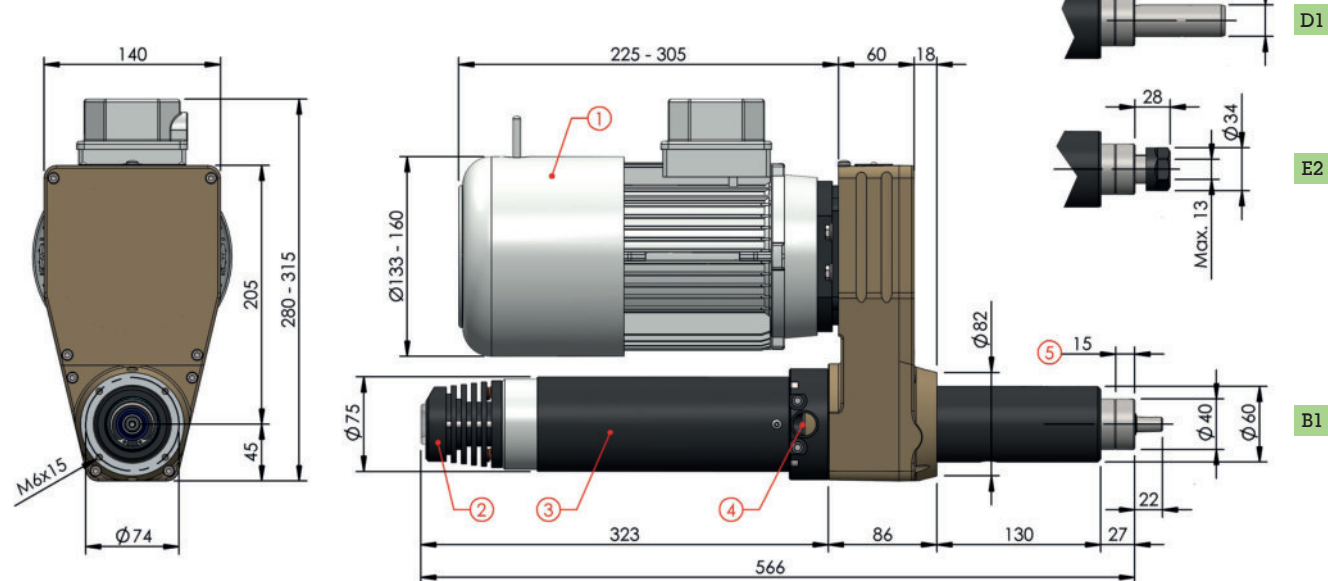
unità di maschiatura

TM10.60

Feed Avanzamento	by lead screw con patrona
Tapping stroke Corsa di maschiatura	0 - 60 mm 0 - 60 mm
Tapping Capacity Capacità di maschiatura	M10 on steel Rm50 M10 su acciaio Rm50
Spindle speed Velocità mandrino	from 500 to 3000 rpm da 500 a 3000 g/1'
Motor Power Potenza Motore	from 0.37 to 1.10 Kw da 0.37 a 1.10 Kw



- Motor for inverter use (1).
Optional: brake motor.
- Oil bath lubrication lead screw (2).
- N. 3 limit switches (3):
front, rear position and lead screw safety.
- Electric wires connections M16x1,5 (4).
- Overall dimensions for multispindle head installation (5).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 11 Kg



- Motore per uso con inverter (1).
Su richiesta motore autofrenante.
- Patrona a bagno d'olio (2).
- N. 3 fine corsa di posizione elettrici (3):
fine corsa avanti, fine corsa indietro e fine corsa di sicurezza patrona.
- Ingresso cavi elettrici M16x1,5 (4).
- Ingombro massimo per installazione teste multiple (5).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 11 Kg

TM10

60

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

standard lead screw pitch passi patrona standard	
metric / metrico	0,5 / 0,7 / 0,75 / 0,8 / 1,0 / 1,25 / 1,5 / 1,75 / 2,0
inch / pollici	40 / 32 / 28 / 19 / 14 / 11
other pitches or left pitch on request passi diversi o sinistri su richiesta	

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

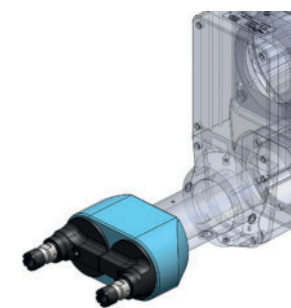
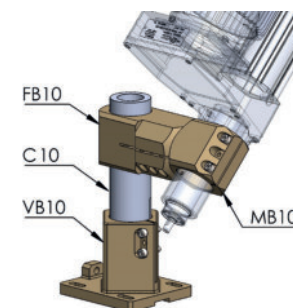
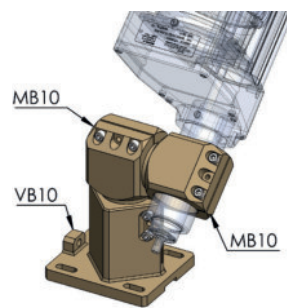
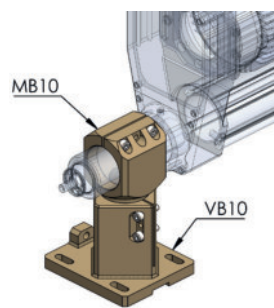
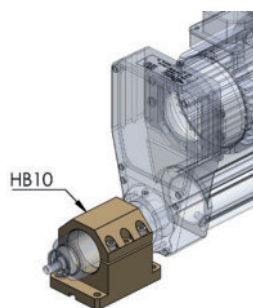
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

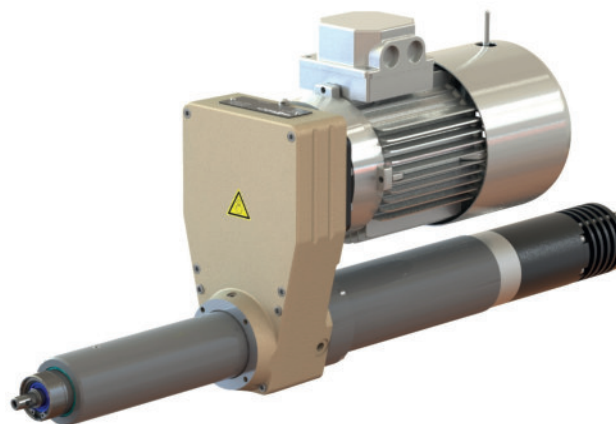
tapping units



unità di maschiatura

TM10P.90

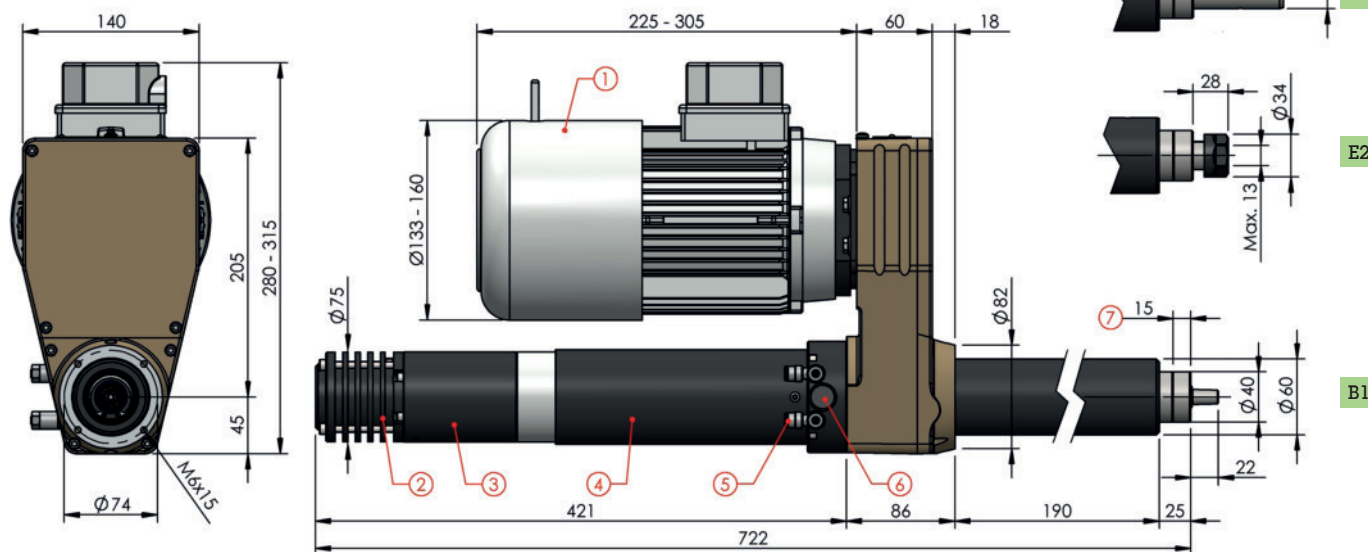
Feed Avanzamento	by lead screw con patrona
Fast approach (pneumatic) Corsa rapida (pneumatica)	50 mm
Tapping stroke Corsa di maschiatura	0 - 40 mm
Tapping capacity Capacità di maschiatura	M10 on steel Rm50 M10 su acciaio Rm50
Spindle speed Velocità mandrino	from 500 to 3000 rpm da 500 a 3000 g/l'
Motor Power Potenza Motore	from 0.37 to 1.10 Kw da 0.37 a 1.10 Kw



- Motor for inverter use (1).
Optional: brake motor.
- Oil bath lubrication lead screw (2).
- Pneumatic cylinder for fast approach (3),
air pressure 6 bar, air consumption
0,8NL/cycle.
- N. 3 limit switches and 1 lead screw
safety switch (4).
- Air inlet $\varnothing 6$ (5).
- Electric wires connections M16x1,5 (6).
- Overall dimensions for multispindle head
installation (7).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 13 Kg.



- Motore per uso con inverter (1).
Su richiesta motore autofrenante.
- Patrona a bagno d'olio (2).
- Cilindro pneumatico per avvicinamento
rapido (3), pressione 6 bar, consumo aria
0,8NL/ciclo.
- N. 3 fine corsa di posizione elettrici e
n. 1 fine corsa di sicurezza patrona (4).
- Ingresso aria $\varnothing 6$ (5)
- Ingresso cavi elettrici M16x1,5 (6).
- Ingombro massimo per installazione
teste multiple (7).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 13 Kg.



TM10P

90

stroke / corsa

	spindle / mandrino
B1	B12 DIN 238
E2	ER20 DIN 6499
D1	ø16 DIN 55058

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600

	motor / motore
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles *
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

standard lead screw pitch passi patrona standard	
metric / metrico	0,5 / 0,7 / 0,75 / 0,8 / 1,0 / 1,25 / 1,5 / 1,75 / 2,0
inch / pollici	40 / 32 / 28 / 19 / 14 / 11
other pitches or left pitch on request passi diversi o sinistri su richiesta	

* Not available for speed 07
Non disponibile per velocità 07

STANDARD COLOR

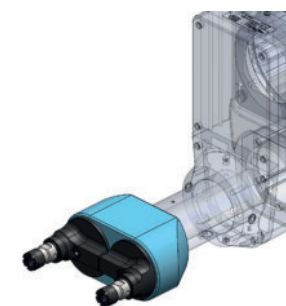
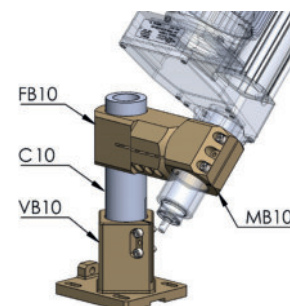
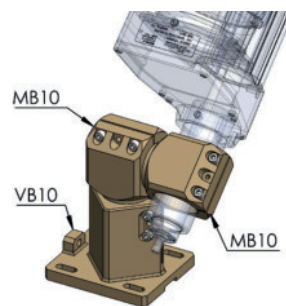
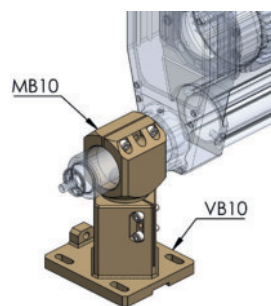
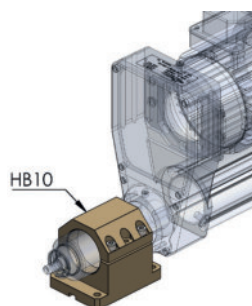
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

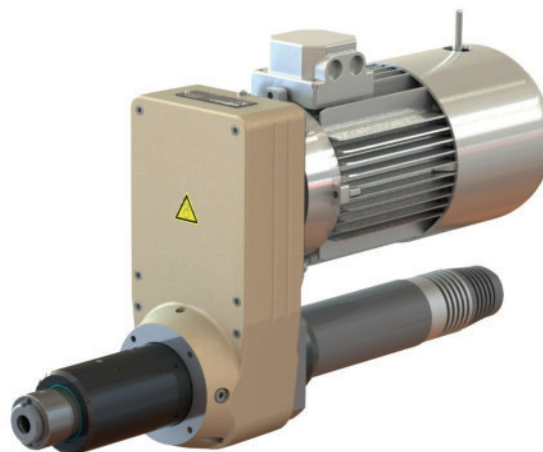
tapping units



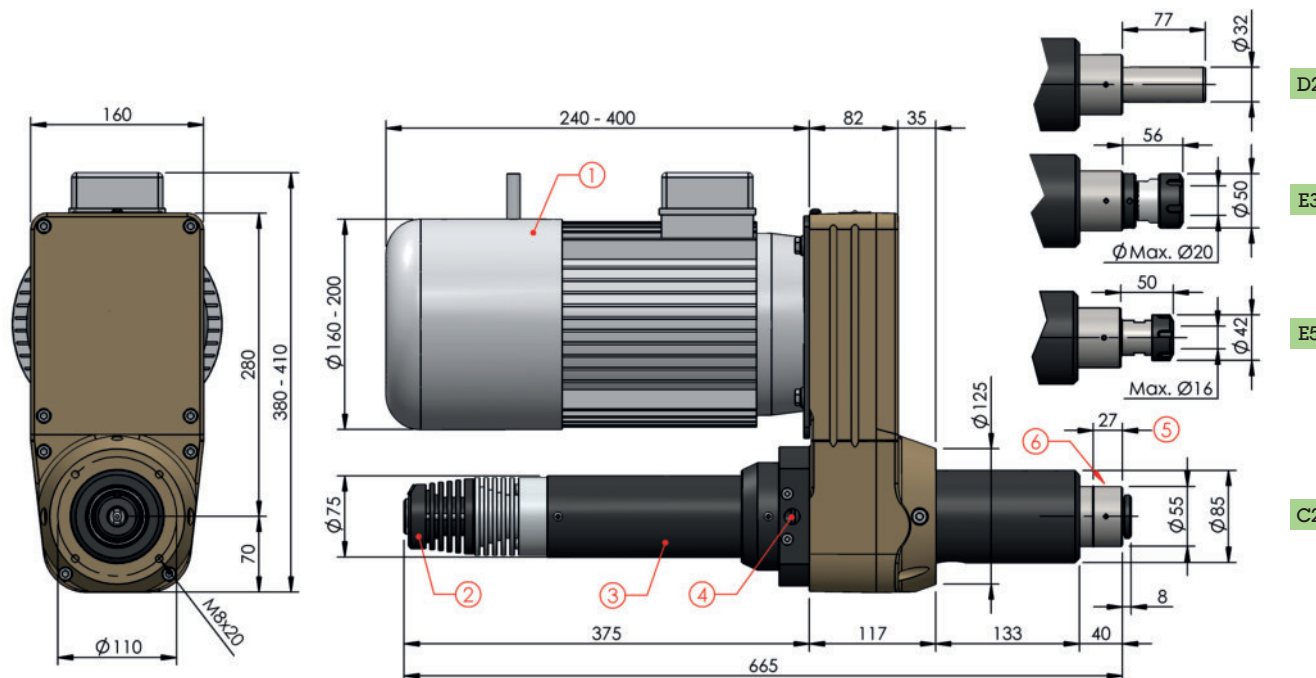
unità di maschiatura

TM20.80

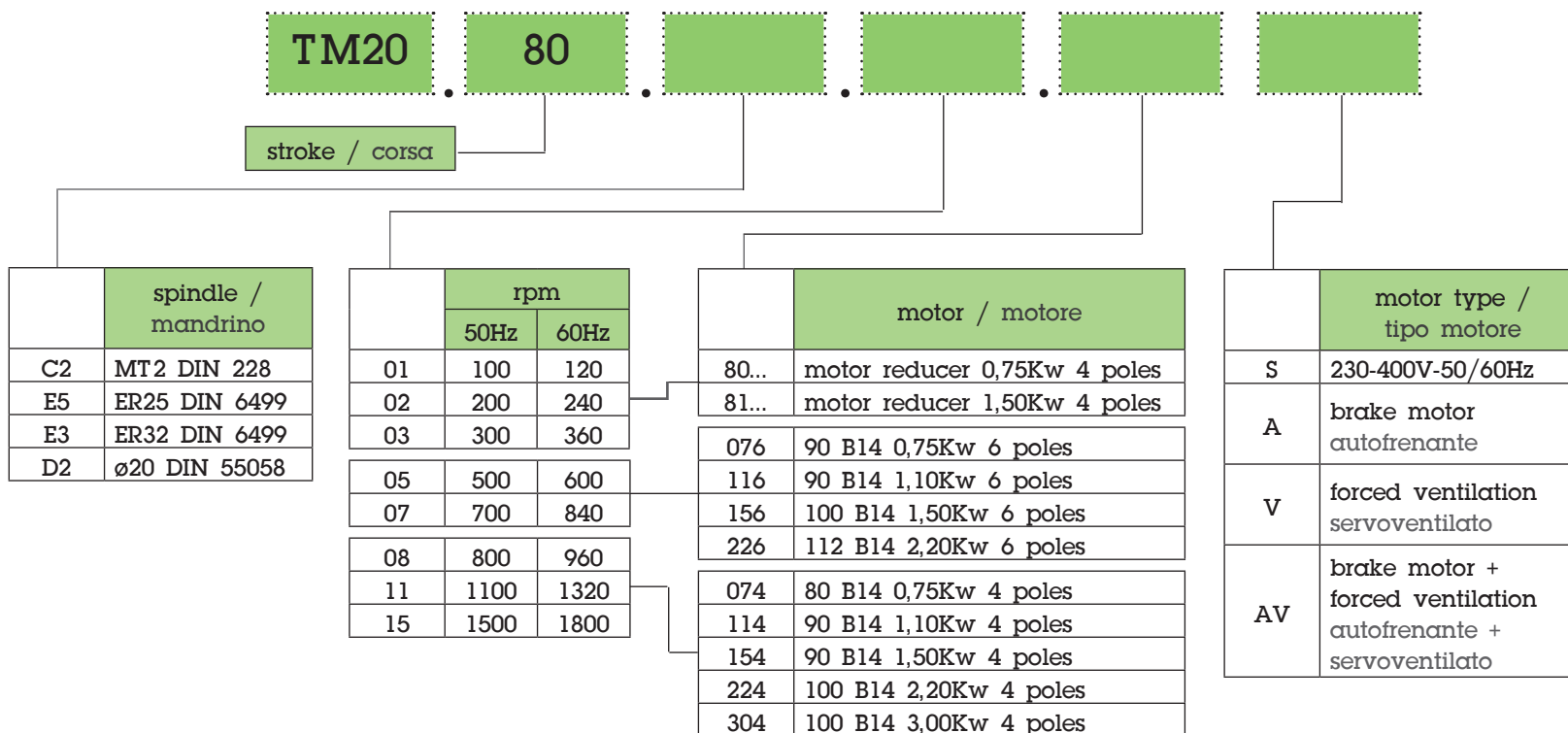
Feed Avanzamento	by lead screw con patrona
Tapping stroke Corsa di maschiatura	0 - 80 mm 0 - 80 mm
Tapping Capacity Capacità di maschiatura	M20 on steel Rm50 M20 su acciaio Rm50
Spindle speed Velocità mandrino	from 100 to 1500 rpm da 100 a 1500 g/1'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Motor for inverter use (1).
Optional: brake motor.
- Oil bath lubrication lead screw (2).
- N. 3 limit switches (3):
front, rear position and lead screw safety.
- Electric wires connections M16x1,5 (4).
- Overall dimensions for multispindle head installation (5).
- Air inlet at 0,5bar for internal spindle pressurization (6).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 22 Kg.



- Motore per uso con inverter (1).
Su richiesta motore autofrenante.
- Patrona a bagno d'olio (2).
- N. 3 fine corsa di posizione elettrici (3):
fine corsa avanti, fine corsa indietro e fine corsa di sicurezza patrona.
- Ingresso cavi elettrici M16x1,5 (4).
- Ingombro massimo per installazione teste multiple (5).
- Ingresso aria 0.5bar per pressurizzazione interna del mandrino (6).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 22 Kg.



standard lead screw pitch passi patrona standard	
metric / metrico	0,5 / 0,7 / 0,75 / 0,8 / 1,0 / 1,25 / 1,5 / 1,75 / 2,0
inch / pollici	40 / 32 / 28 / 19 / 14 / 11
other pitches or left pitch on request passi diversi o sinistri su richiesta	

optional :

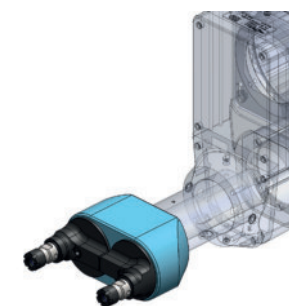
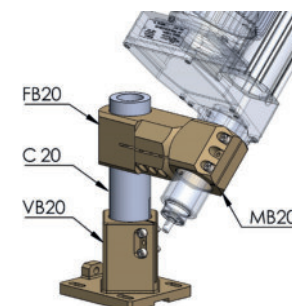
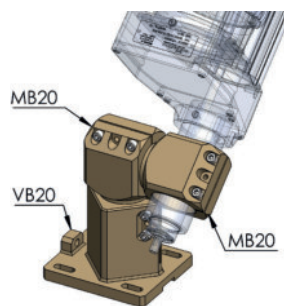
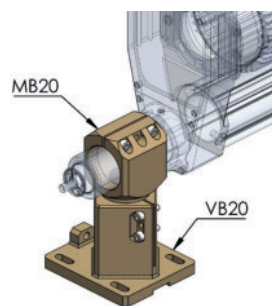
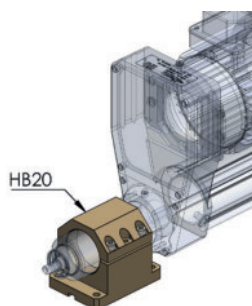
accessories for easy installation
accessori per una facile installazione

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



multispindle head
teste multiple

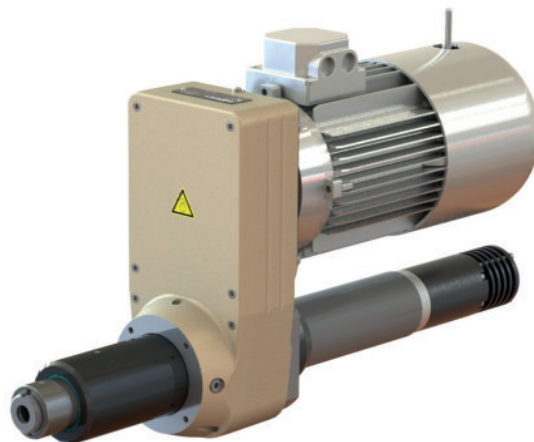
tapping units



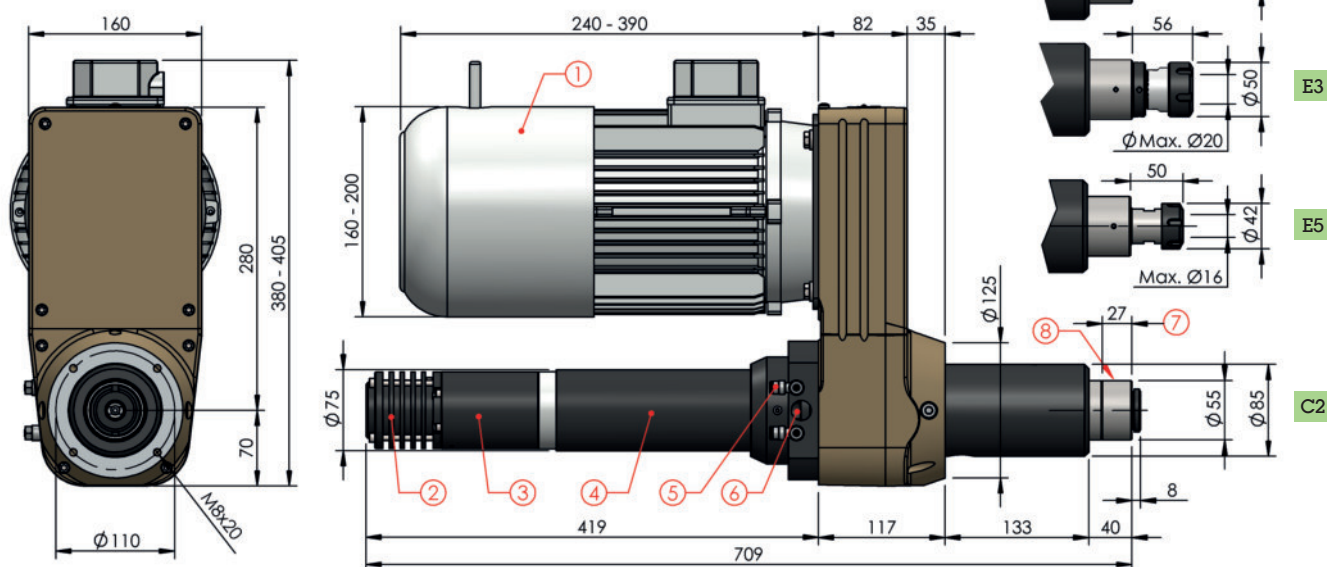
unità di maschiatura

TM20P.90

Feed Avanzamento	by lead screw con patrona
Fast approach (pneumatic) Corsa rapida (pneumatica)	50 mm
Tapping stroke Corsa di maschiatura	0 - 40 mm
Tapping Capacity Capacità di maschiatura	M20 on steel Rm50 M20 su acciaio Rm50
Spindle speed Velocità mandrino	from 100 to 1500 rpm da 100 a 1500 g/1'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Motor for inverter use (1).
Optional: brake motor.
- Oil bath lubrication lead screw (2).
- Pneumatic cylinder for fast approach (3),
air pressure 6 bar, air consumption
0,8NL/cycle.
- N. 3 limit switches and 1 lead screw
safety switch (4).
- Air inlet $\varnothing 6$ (5).
- Electric wires connections M16x1,5 (6).
- Overall dimensions for multispindle head
installation (7).
- Air inlet at 0,5bar for internal spindle
pressurization (8).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 25 Kg.



- Motore per uso con inverter (1).
Su richiesta motore autofrenante.
- Patrona a bagno d'olio (2).
- Cilindro pneumatico per avanzamento
rapido (3), pressione 6 bar, consumo
aria 0,8NL/ciclo
- N. 3 fine corsa di posizione elettrici e
n. 1 fine corsa di sicurezza patrona (4).
- Ingresso aria $\varnothing 6$ (5).
- Ingresso cavi elettrici M16x1,5 (6).
- Ingombro massimo per installazione
teste multiple (7).
- Ingresso aria 0.5bar per pressurizzazione
interna del mandrino (8).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 25 Kg.

TM20P

90

stroke / corsa

	spindle / mandrino
C2	MT2 DIN 228
E5	ER25 DIN 6499
E3	ER32 DIN 6499
D2	ø20 DIN 55058

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360
05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles

	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

standard lead screw pitch passi patrona standard	
metric / metrico	0,5 / 0,7 / 0,75 / 0,8 / 1,0 / 1,25 / 1,5 / 1,75 / 2,0
inch / pollici	40 / 32 / 28 / 19 / 14 / 11
other pitches or left pitch on request passi diversi o sinistri su richiesta	

optional :

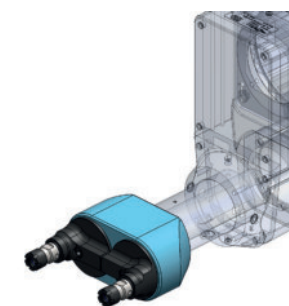
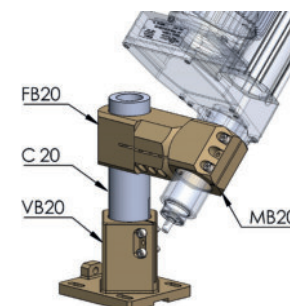
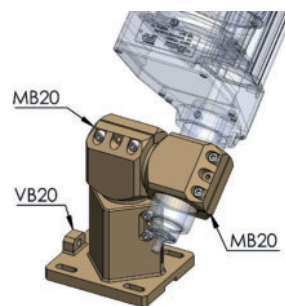
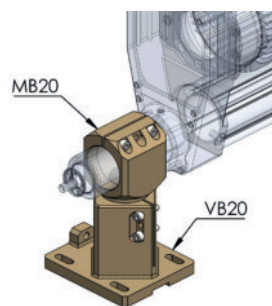
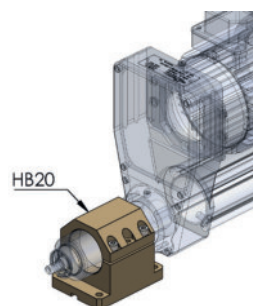
accessories for easy installation
accessori per una facile installazione

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



multispindle head
teste multiple

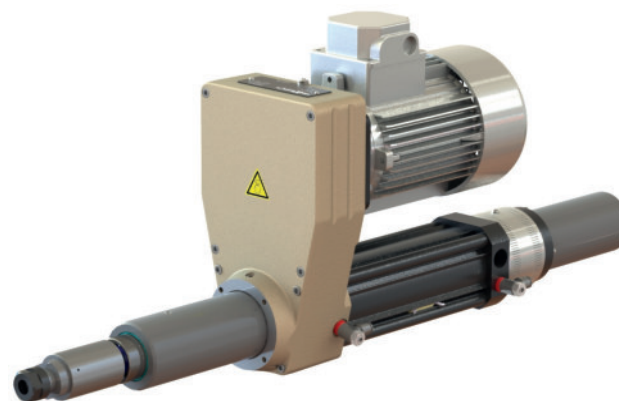
drill & tap units



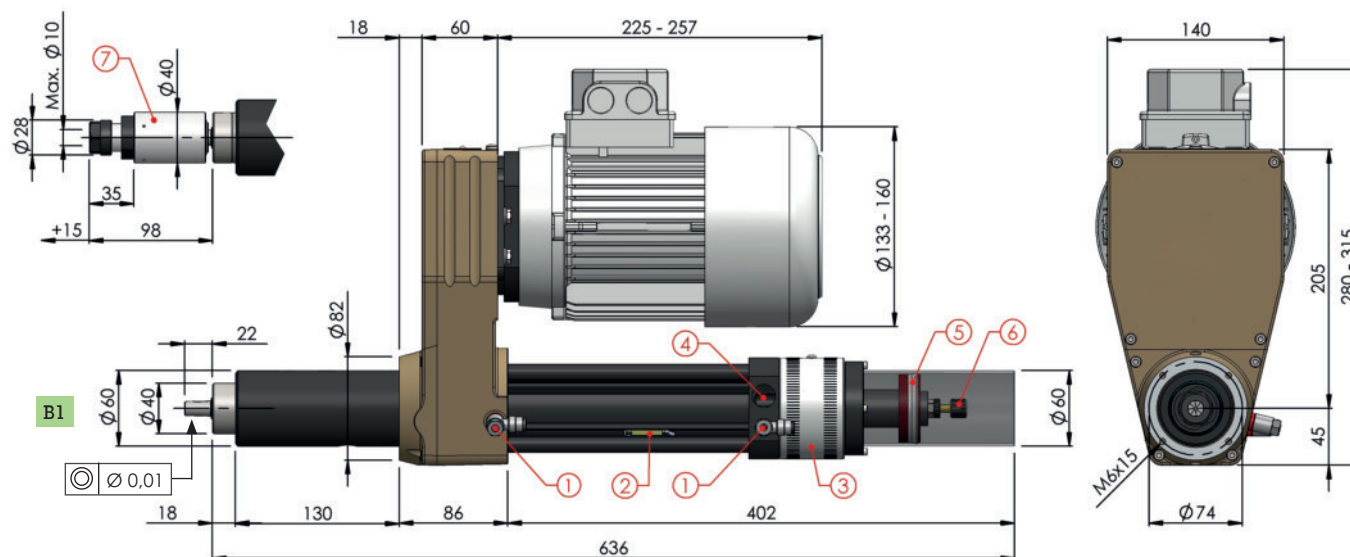
unità di foratura/maschiatura

FM10P.50

Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	50 mm
Tapping Capacity Capacità di maschiatura	M10 on steel Rm50 M10 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	1200 N 122 Kg
Spindle speed Velocità mandrino	from 500 to 3000 rpm da 500 a 3000 g/1'
Motor Power Potenza Motore	from 0.37 to 1.10 Kw da 0.37 a 1.10 Kw



- Pneumatic cylinder ø63.
- Air inlet ø6 (1).
- Air consumption 1,10NL/ciclo.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (4).
- Internal limit switches (3)
- Magnetic sensor to change spindle speed (2).
- Feed hydrocheck (6) in line with spindle.
- Hydrocheck stroke 45mm.
- Fast/slow stroke separately adjustable (5).
- Toolholder for collet ER16 with axial compensation + 15mm (7).
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 11 Kg



- Cilindro pneumatico ø63.
- Ingressi aria ø6 (1).
- Consumo aria 1,10NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (4).
- Fine corsa di posizione elettrici interni (3).
- Sensore magnetico per cambio velocità (2).
- Regolatore idraulico di avanzamento (6) in linea con il mandrino.
- Corsa del regolatore idraulico 45mm.
- Corse rapido/lento regolabili separatamente (5).
- Mandrino portapinza ER16 con compensazione assiale + 15mm (7).
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 11 Kg

FM10P

50

stroke / corsa

spindle / mandrino

B1

B12 DIN 238

rpm

05

500

600

07

750

900

10

1000

1200

12

1250

1500

15

1500

1800

20

2000

2400

25

2500

3000

30

3000

3600

motor / motore

036

80 B14 0,37Kw 6 poles

056

80 B14 0,55Kw 6 poles

076

80 B14 0,75Kw 6 poles

034

71 B14 0,37Kw 4 poles *

054

80 B14 0,55Kw 4 poles

074

80 B14 0,75Kw 4 poles

032

71 B14 0,37Kw 2 poles

052

71 B14 0,55Kw 2 poles

072

80 B14 0,75Kw 2 poles

112

80 B14 1,10Kw 2 poles

053

71 B14 0,55/0,37Kw 2/4poles

083

80 B14 0,80/0,60Kw 2/4poles

113

80 B14 1,10/0,80Kw 2/4poles

motor type / tipo motore

S

230-400V-50/60Hz

V

forced ventilation
servoventilato

hydrocheck / regolatore

45H

standard

45HS

with oil bowl
con serbatoio olio

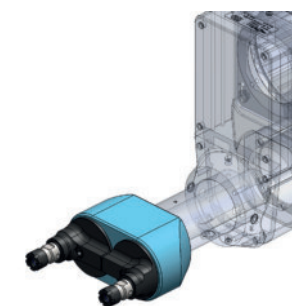
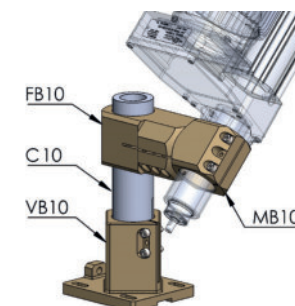
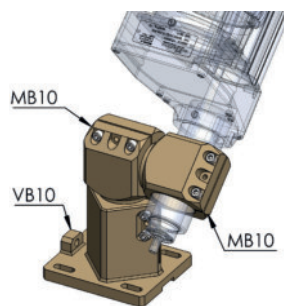
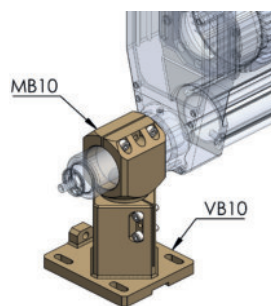
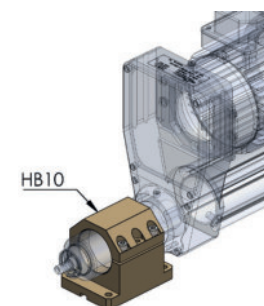
STANDARD COLOR

RAL 1001

* Not available for speed 07
Non disponibile per velocità 07

optional :

accessories for easy installation
accessori per una facile installazione



multispindle head
teste multiple

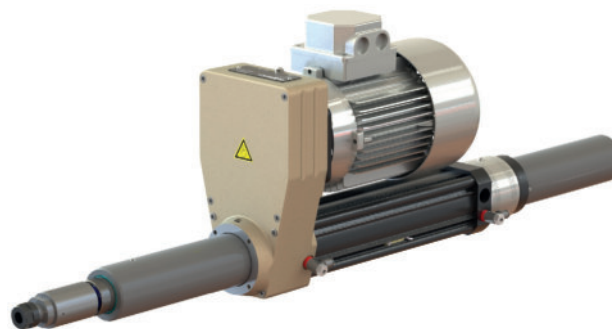
STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

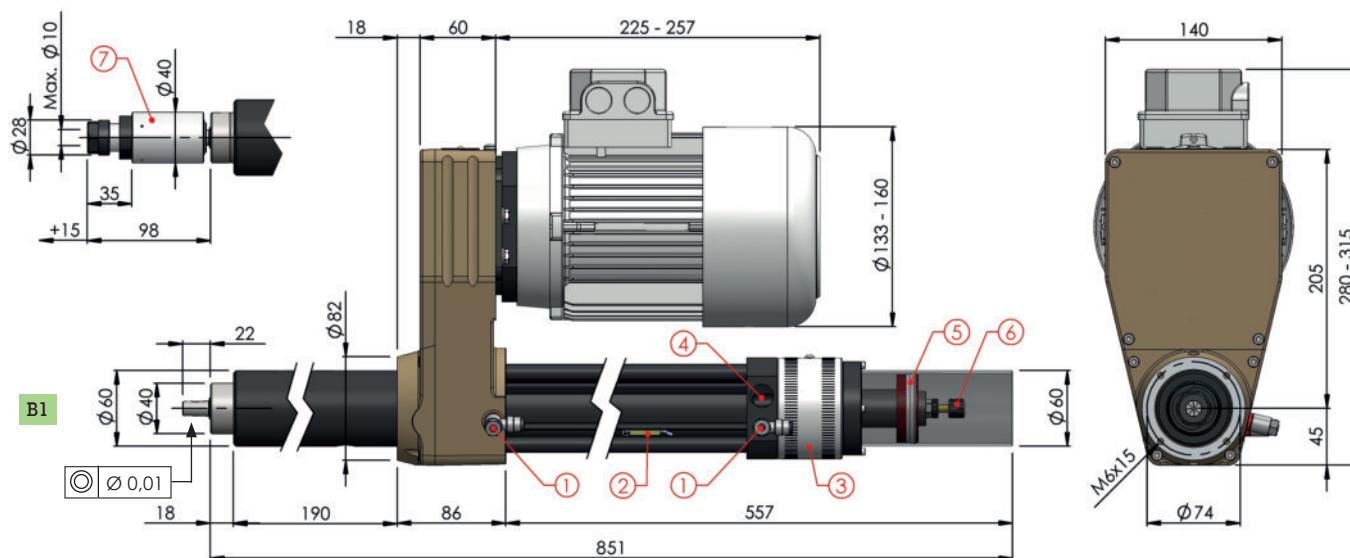
FM10P.100	
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	100 mm 100 mm
Tapping Capacity Capacità di maschiatura	M10 on steel Rm50 M10 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	1200 N 122 Kg
Spindle speed Velocità mandrino	from 500 to 3000 rpm da 500 a 3000 g/l'
Motor Power Potenza Motore	from 0.37 to 1.10 Kw da 0.37 a 1.10 Kw



- Pneumatic cylinder ø63.
- Air inlet ø6 (1).
- Air consumption 2,20NL/ciclo.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (4).
- Internal limit switches (3)
- Magnetic sensor to change spindle speed (2).
- Feed hydrocheck (6) in line with spindle.
- Hydrocheck stroke 75mm.
- Fast/slow stroke separately adjustable (5).
- Toolholder for collet ER16 with axial compensation + 15mm (7).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 15 Kg



- Cilindro pneumatico automatico ø63.
- Ingressi aria ø6 (1).
- Consumo 2,20NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (4).
- Fine corsa di posizione elettrici interni (3).
- Sensore magnetico per cambio velocità (2).
- Regolatore idraulico di avanzamento (6)
in linea con il mandrino.
- Corsa del regolatore idraulico 75mm.
- Corse rapido/lento regolabili
separatamente (5).
- Mandrino portapinza ER16 con
compensazione assiale + 15mm (7).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 15 Kg



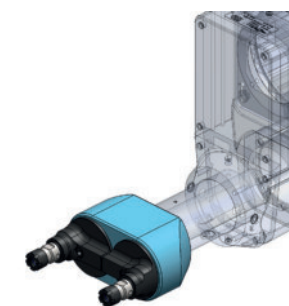
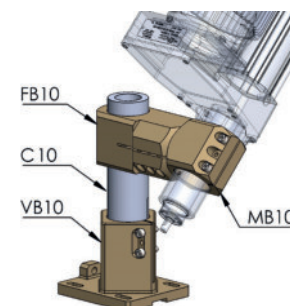
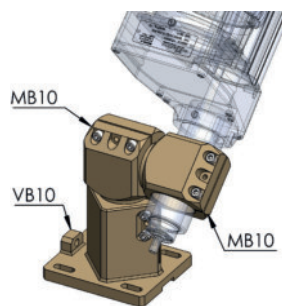
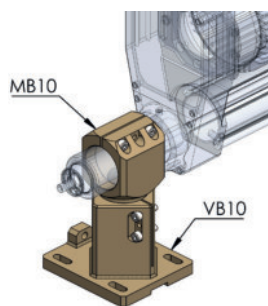
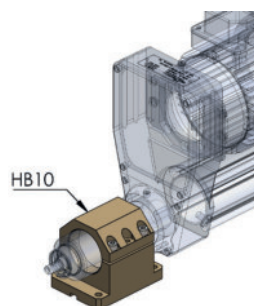
FM10P		100							
		stroke / corsa							

* Not available for speed 07
Non disponibile per velocità 07

optional :

accessories for easy installation
accessori per una facile installazione

STANDARD COLOR			
			RAL 1001
OPTIONAL COLORS			
	RAL 1013		RAL 3028
	RAL 1023		RAL 5015
	RAL 2003		RAL 6018



multispindle head
teste multiple

drill & tap units



unità di foratura/maschiatura

FM20P.100

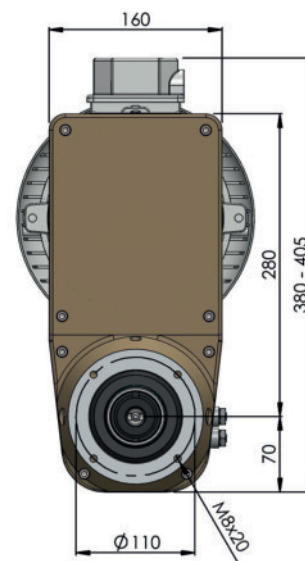
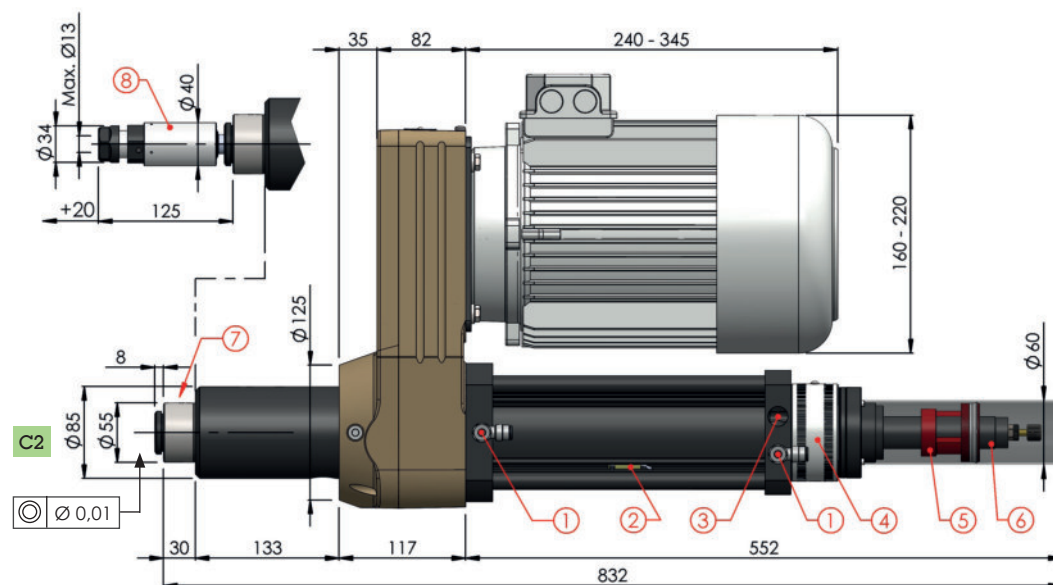
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	100 mm 100 mm
Tapping Capacity Capacità di maschiatura	M20 on steel Rm50 M20 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	3700 N 375 Kg
Spindle speed Velocità mandrino	from 100 to 1500 rpm da 100 a 1500 g/1'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Pneumatic cylinder ø100.
- Air inlet ø8 (1).
- Air consumption 5,00NL/ciclo.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (3).
- Internal limit switches (4).
- Magnetic sensor to change spindle speed (2).
- Feed hydrocheck (6) in line with spindle.
- Hydrocheck stroke 75mm.
- Fast/slow stroke separately adjustable (5).
- Air inlet 0.5bar for internal spindle pressurization (7).
- Toolholder for collet ER20 with axial compensation + 20mm (8).
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 28 Kg



- Cilindro pneumatico ø100.
- Ingressi aria ø8 (1).
- Consumo aria 5,00NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (3).
- Fine corsa di posizione elettrici interni (4).
- Sensore magnetico per cambio velocità (2).
- Regolatore idraulico di avanzamento (6) in linea con il mandrino.
- Corsa del regolatore idraulico 75mm.
- Corse rapido/lento regolabili separatamente (5).
- Ingresso aria 0.5bar per pressurizzazione interna del mandrino (7).
- Mandrino portapinza ER20 con compensazione assiale + 20mm (8).
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 28 Kg

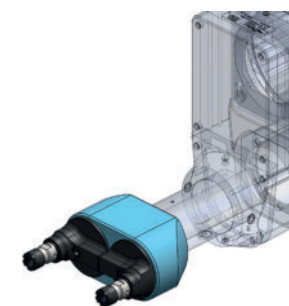
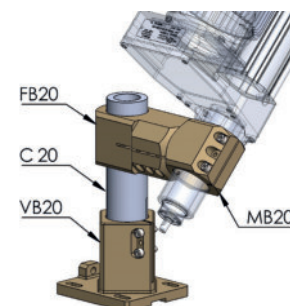
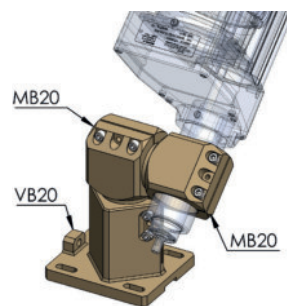
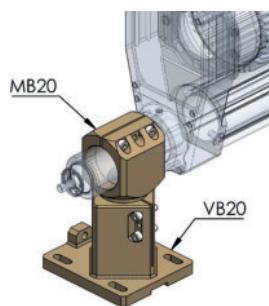
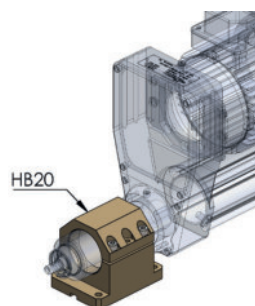


FM20P		100					
stroke / corsa							
	spindle / mandrino	rpm		motor / motore		motor type / tipo motore	hydrocheck / regolatore
		50Hz	60Hz				
C2	MT2 DIN228	01	100	120	80...	motor reducer 0,75Kw 4 poles	75H standard
		02	200	240	81...	motor reducer 1,50Kw 4 poles	
		03	300	360			
		05	500	600	076	90 B14 0,75Kw 6 poles	
		07	700	900	116	90 B14 1,10Kw 6 poles	
		08	800	960	156	100 B14 1,50Kw 6 poles	
		11	1100	1320	226	112 B14 2,20Kw 6 poles	
		15	1500	1800	074	80 B14 0,75Kw 4 poles	
					114	90 B14 1,10Kw 4 poles	
					154	90 B14 1,50Kw 4 poles	
					224	100 B14 2,20Kw 4 poles	
					304	100 B14 3,00Kw 4 poles	

optional :

accessories for easy installation
accessori per una facile installazione

STANDARD COLOR			
			RAL 1001
OPTIONAL COLORS			
	RAL 1013		RAL 3028
	RAL 1023		RAL 5015
	RAL 2003		RAL 6018



multispindle head
teste multiple

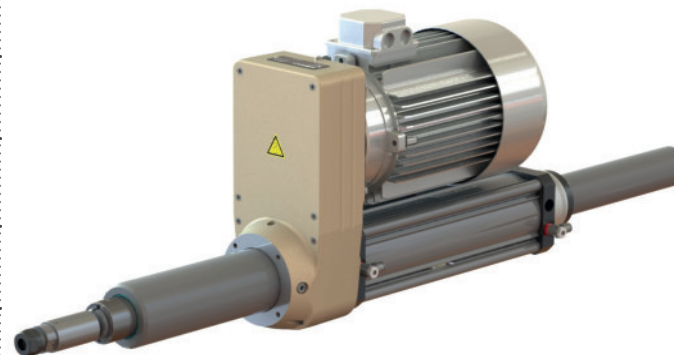
drill & tap units



unità di foratura/maschiatura

FM20P.150

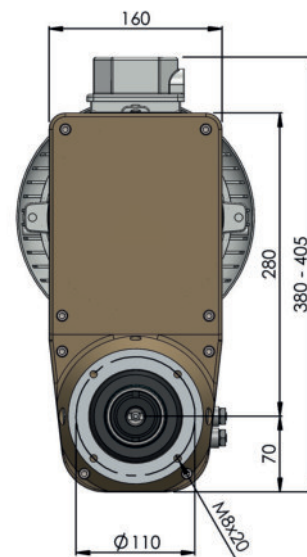
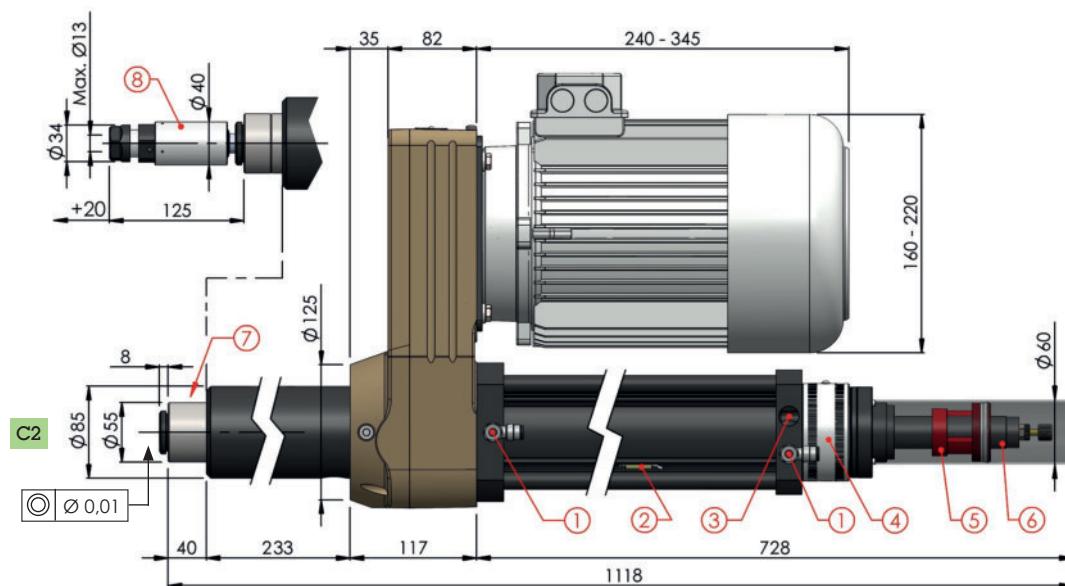
Feed Avanzamento	pneumatic pneumatico
Stroke Corsa	150 mm 150 mm
Tapping Capacity Capacità di maschiatura	M20 on steel Rm50 M20 su acciaio Rm50
Thrust at 6 bar Spinta a 6 bar	3700 N 375 Kg
Spindle speed Velocità mandrino	from 100 to 1500 rpm da 100 a 1500 g/l'
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Pneumatic cylinder ø100.
- Air inlet ø8 (1).
- Air consumption 7,50NL/ciclo.
- Spindle concentricity 0,01.
- Electric wires connections M16x1,5 (3).
- Internal limit switches (4).
- Magnetic sensor to change spindle speed (2).
- Feed hydrocheck (6) in line with spindle.
- Hydrocheck stroke 100mm.
- Fast/slow stroke separately adjustable (5).
- Air inlet 0.5bar for internal spindle pressurization (7).
- Toolholder for collet ER20 with axial compensation + 20mm (8).
- Standard color: Beige RAL 1001.
- Other colors on request.
- Weight from 35 Kg



- Cilindro pneumatico ø100.
- Ingressi aria ø8 (1).
- Consumo aria 7,50NL/ciclo.
- Concentricità mandrino 0,01.
- Ingresso cavi elettrici M16x1,5 (3).
- Fine corsa di posizione elettrici interni (4).
- Sensore magnetico per cambio velocità (2).
- Regolatore idraulico di avanzamento (6) in linea con il mandrino.
- Corsa del regolatore idraulico 100mm.
- Corse rapido/lento regolabili separatamente (5).
- Ingresso aria 0.5bar per pressurizzazione interna del mandrino (7).
- Mandrino portapinza ER20 con compensazione assiale + 20mm (8).
- Colore standard: Beige RAL 1001.
- Altri colori su richiesta.
- Peso da 35 Kg



150

stroke / corsā

	spindle / mandrino
C2	MT2 DIN228

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360
05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles

	motor type / tipo motore
S	230-400V-50/60Hz
V	forced ventilation servoventilato

		hydrocheck / regolatore
	100H	standard
	100HS	with oil bowl con serbatoio olio

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013

RAL 1023

RAL 2003

RAL 3028

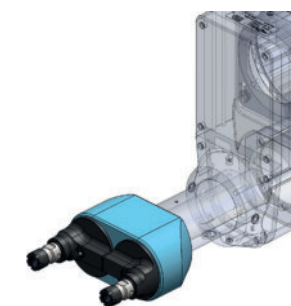
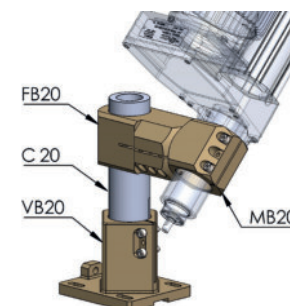
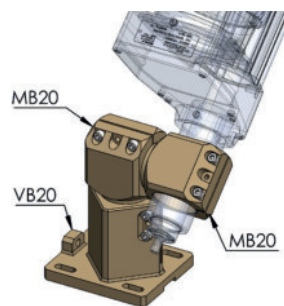
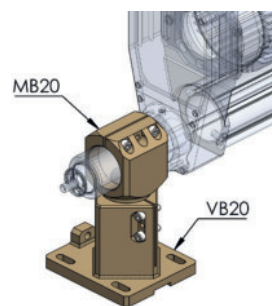
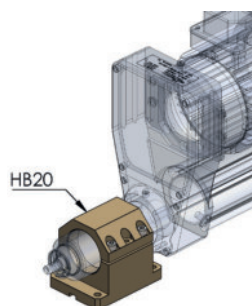
RAL 5015

RAL 6018

optional :

accessories for easy installation

accessori per una facile installazione



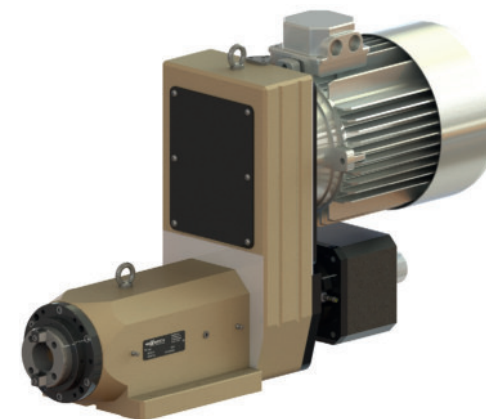
multispindle head
teste multiple

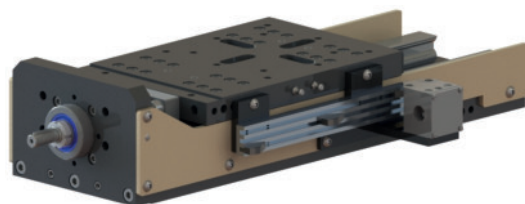


- Working units suitable to work many material types.
- This units can be used for various machining, for example drilling, milling, boring, turning and others.
- Motor power from 0,75 to 18,5 Kw
- Motor for inverter use.
- Spindle speed at 50 Hz:
 - 100 ÷ 4000 Taper roller bearings version (standard).
 - 100 ÷ 9000 Precision angular contact balls bearings version.
- Available with different output spindle mount ISO30, ISO40, ISO50, HSK63.
- Coolant through spindle (CTS) ready to install.
- Air inlet at 0.5 bar for internal pressurisation.
- Version with automatic toolholder clamping system.
- Ready to install multispindle heads.
- Ready to install facing head and tapping attachment.



- Unità di lavoro idonee alla lavorazione di molteplici materiali.
- Adatte all'esecuzione di varie lavorazioni, quali foratura, fresatura, barenatura, tornitura e altre.
- Potenza motore da 0,75 a 18,5 Kw
- Motori per uso con inverter.
- Velocità mandrino a 50 Hz
 - 100 ÷ 4000 Versione con cuscinetti a rulli conici (standard).
 - 100 ÷ 9000 Versione con cuscinetti a sfera di precisione concontatto obliquo.
- Mandrino con attacco ISO30, ISO40, ISO50, HSK63.
- Mandrino forato per passaggio lubrorefrigerante.
- Ingresso aria a 0,5 bar per pressurizzazione interna mandrino.
- Disponibile versione con sistema di blocco automatico del portautensile.
- Possibilità di installazione teste multimandrino.
- Possibilità di installazione teste di tornitura o di filettatura.

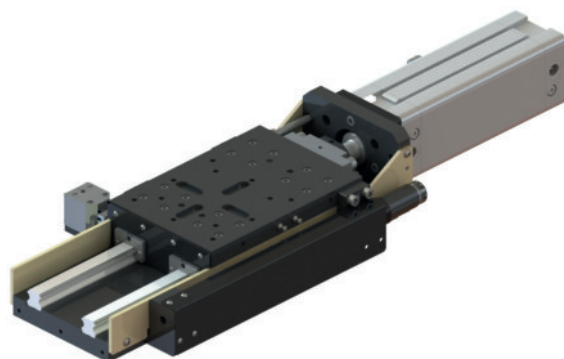




- Slide units on four ball rows pads.
On request, is available roller pads version.
- Stroke from 120 to 400 mm in accordance with the model.
- Suitable for the installation of working units.
Working units can be mounted parallel or perpendicular to the line feed.
- Feed is provided by ball screw or with pneumatic cylinder.
Ball screw pitch 5 mm with preloded nut at "0" backlash.
- 3 contact limit switch pack included.

Ball screw feed version is supplied without brushless servomotor.

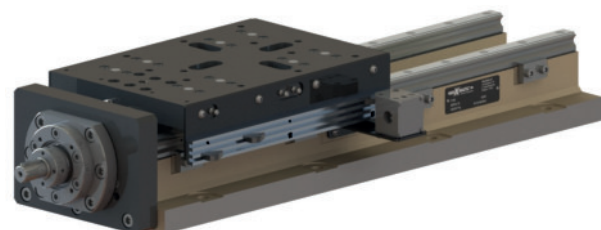
On request, is possible to prearrange the slide for the installation of customer's servomotor in line or off-set belt drive with toothed belt HTD ratio 1:2.



- Slitte di avanzamento su quattro pattini a sfere.
Su richiesta, possono essere equipaggiate con quattro pattini a rulli.
- Corsa da 120 a 400 mm in base al modello.
- Idonee per l'abbinamento con unità di lavoro.
Le unità di lavoro possono essere installate parallele o perpendicolari all'asse di alimentazione.
- Movimentazione con vite a ricircolo di sfere o con cilindro pneumatico.
Vite a sfere passo 5 mm con chiocciola precaricata a gioco "0".
- Le slitte sono equipaggiate con fine corsa multiplo a 3 contatti.

La versione con avanzamento con vite a ricircolo di sfere è fornita senza servomotore brushless.

Su richiesta è possibile predisporre la slitta per l'installazione del servomotore del cliente in linea o rinviata con cinghia HTD rapporto 1:2.



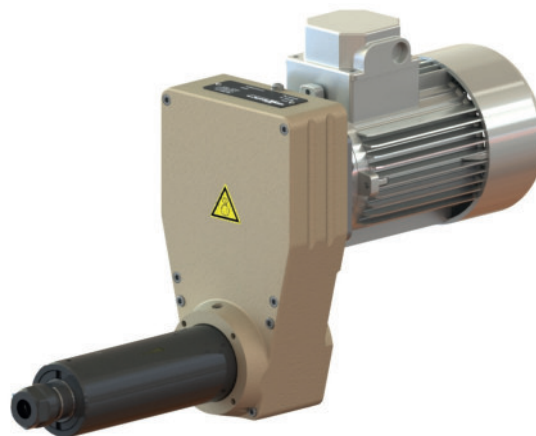
Drilling Capacity	ø12 on steel Rm50
Capacità di foratura	ø12 su acciaio Rm50

Spindle	ER20 DIN6499
Mandrino	ER20 DIN6499

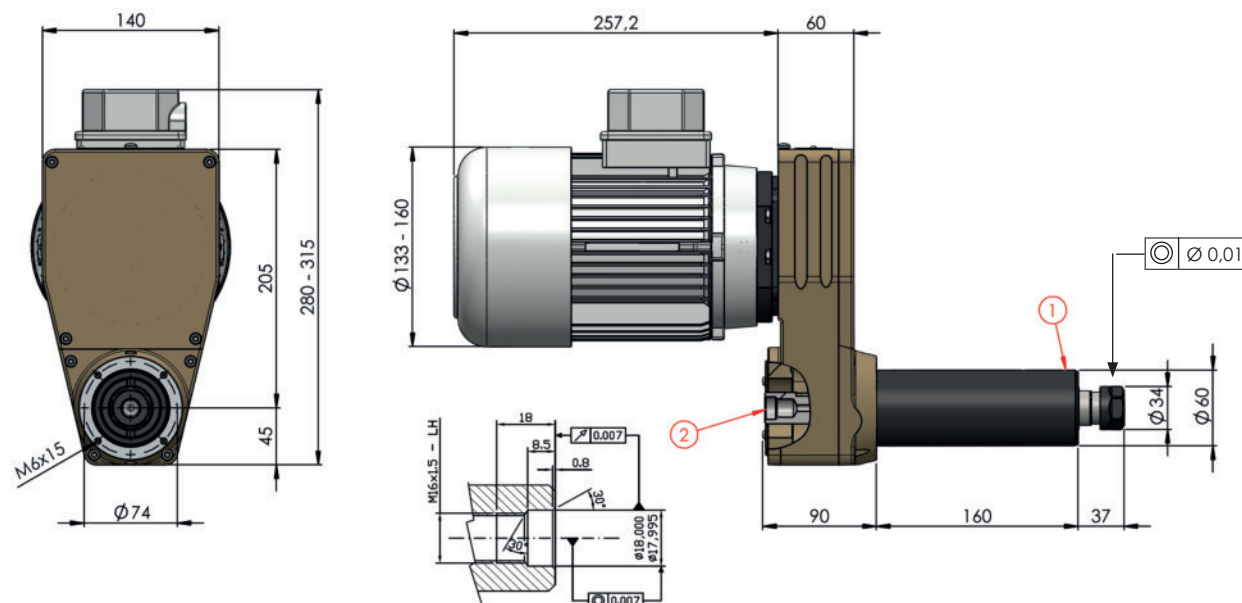
Spindle speed	from 500 to 9000 rpm
Velocita' mandrino	da 500 a 9000 g/l'

Axial load	max 2000 N
Carico assiale	

Motor Power	from 0.37 to 1.1 Kw
Potenza Motore	da 0.37 a 1.1 Kw



- Working unit suitable for drilling, milling, reaming and boring.
- Angular contact ball bearings.
Optional: precision angular contact ball bearings.
- Spindle concentricity 0,01.
- Air inlet 0.5bar for internal spindle pressurization (1).
- Spindle with bore to coolant inlet (2).
On request rotary union.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 8 Kg



- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Cuscinetti a sfere con contatti obliqui.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Concentricità mandrino 0,01.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (1).
- Mandrino forato per passaggio lubro-refrigerante (2).
Su richiesta giunto rotante.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 8 Kg

SU10

spindle / mandrino	
E2	ER20 DIN6499

	rpm	
	50Hz	60Hz
05	500	600
07	750	900
10	1000	1200
12	1250	1500
15	1500	1800
20	2000	2400
25	2500	3000
30	3000	3600
50	5000	6000
70	7000	8400
90	9000	10800

motor / motore	
036	80 B14 0,37Kw 6 poles
056	80 B14 0,55Kw 6 poles
076	80 B14 0,75Kw 6 poles
034	71 B14 0,37Kw 4 poles
054	80 B14 0,55Kw 4 poles
074	80 B14 0,75Kw 4 poles
032	71 B14 0,37Kw 2 poles
052	71 B14 0,55Kw 2 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles

motor type / tipo motore	
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

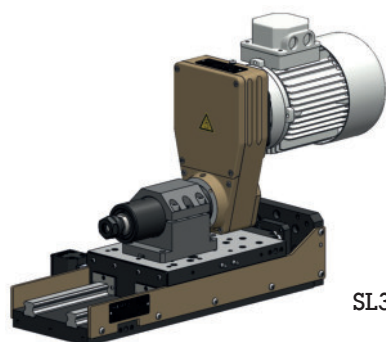
bearings / cuscinetti	
T	angular contact ball bearings a sfere a contatti obliqui
H	precision ball bearings a sfere di precisione

STANDARD COLOR

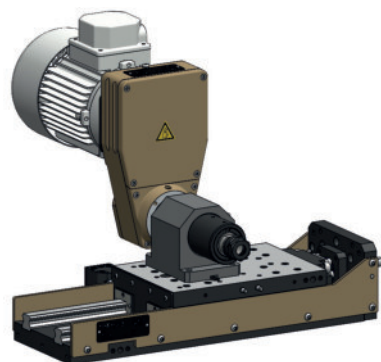
RAL 1001

OPTIONAL COLORS

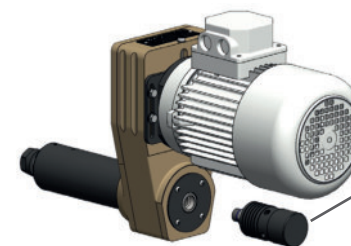
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



SL30E



SL30E



optional:

rotary union
M16x1,5 LH
giunto rotante
M16x1,5 LH

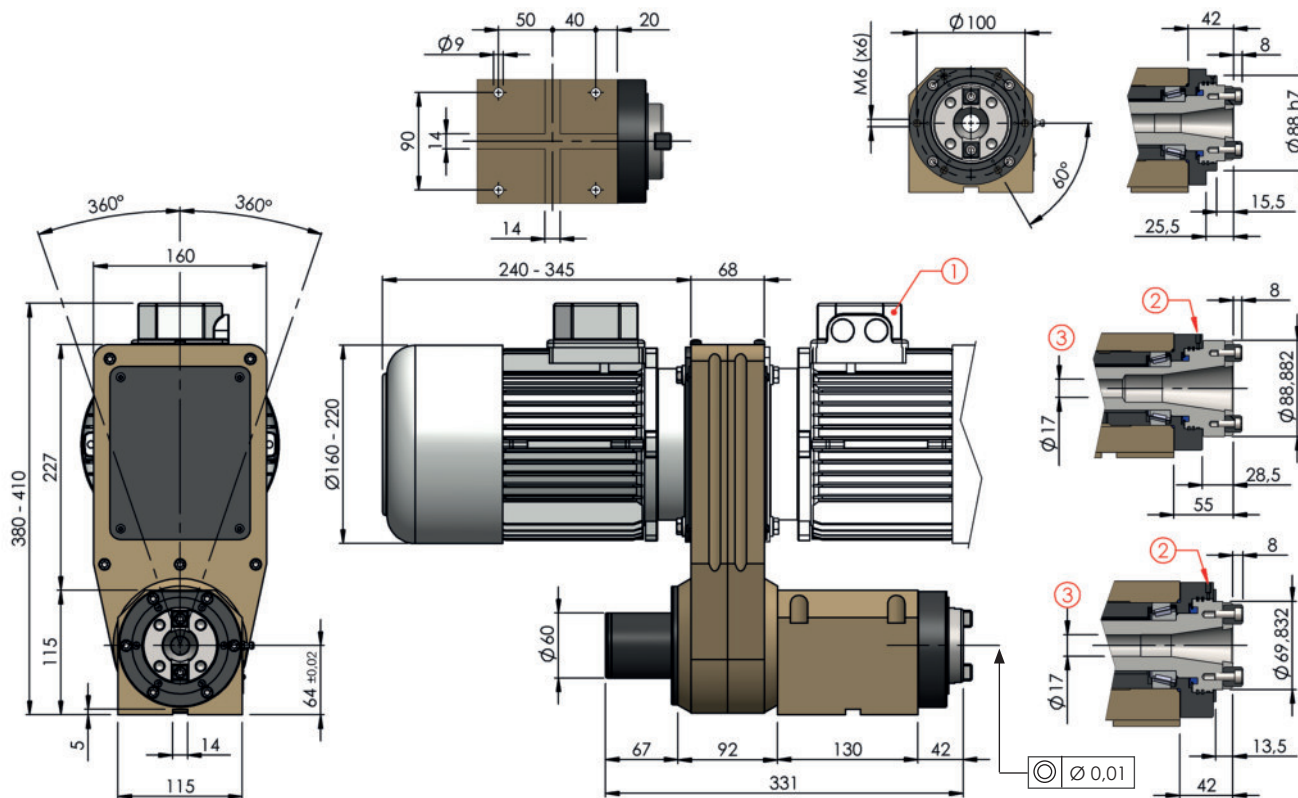
Drilling Capacity Capacità di foratura	ø20 on steel Rm50 ø20 su acciaio Rm50
Spindle Mandrino	ISO30 DIN2079 ISO40 DIN2079
Spindle speed Velocità mandrino	from 100 to 8500 rpm da 100 a 8500 g/1'
Axial load Carico assiale	max 3500 N
Motor Power Potenza Motore	from 0.75 to 3.00 Kw da 0.75 a 3.00 Kw



- Working unit suitable for drilling, milling, reaming and boring.
- Prearranged for installation on slides type SL30.
- Taper roller bearings.
Optional: precision angular contact ball bearings.
- Installation of motor in front/rear position (1).
Transmission housing can be rotated on 360°.
- Spindle concentricity 0,01.
- Air inlet 0.5bar for internal spindle pressurization (2).
- Spindle with bore for toolholder drawbar (3).
Optional: coolant through drawbar and rotary union.
- Ready to install multispindle heads.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 25 Kg



- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Predisposta per installazione su slitte serie SL30.
- Cuscinetti a rulli conici.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Installazione motore in posizione anteriore o posteriore (1). Carter motore ruotabile a 360°.
- Concentricità mandrino 0,01.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (2).
- Mandrino forato per passaggio tirante (3).
Su richiesta tirante forato per passaggio lubro-refrigerante e giunto rotante.
- Possibilità di installazione teste multimandrino.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 25 Kg



SU20

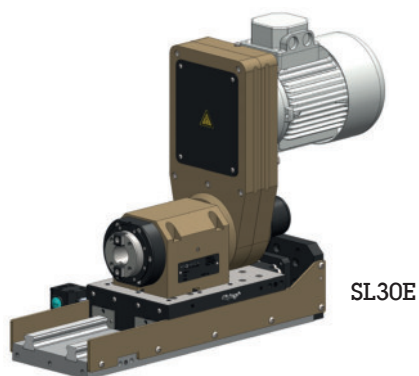
SU20							

STANDARD COLOR

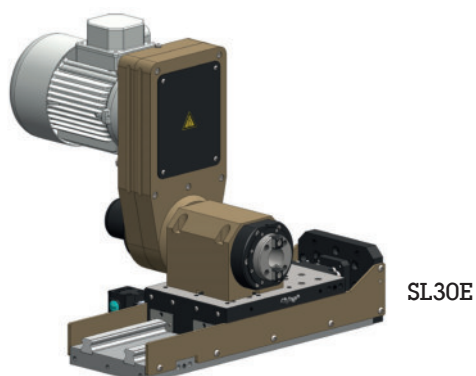
RAL 1001

OPTIONAL COLORS

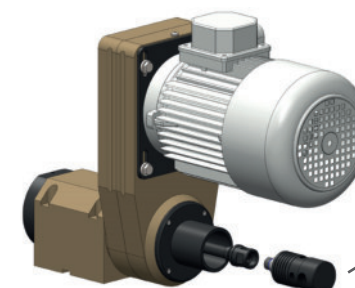
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



SL30E



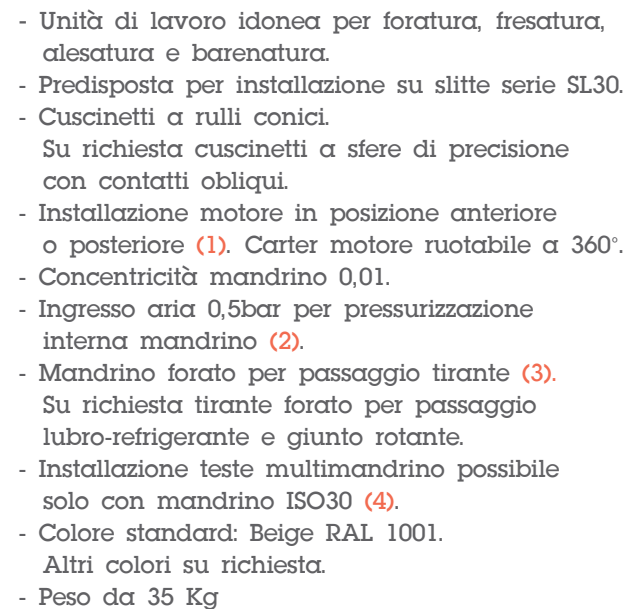
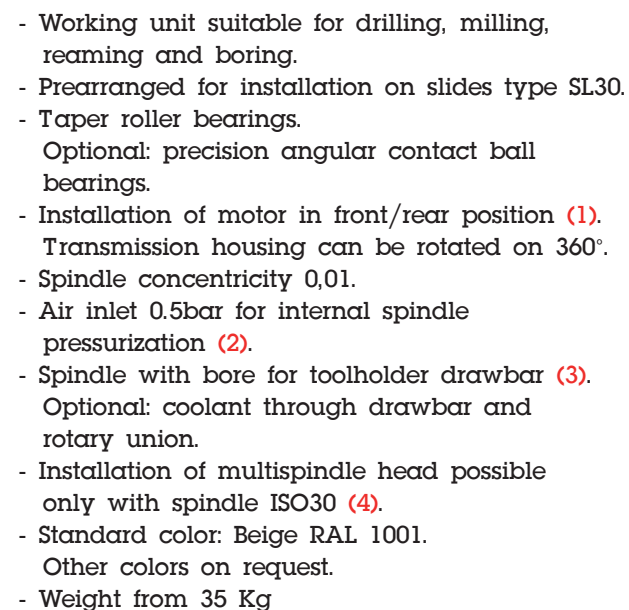
SL30E



optional:

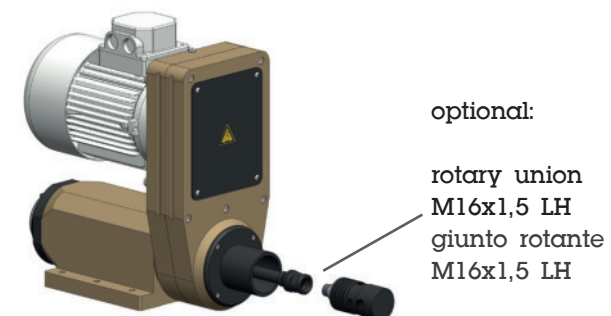
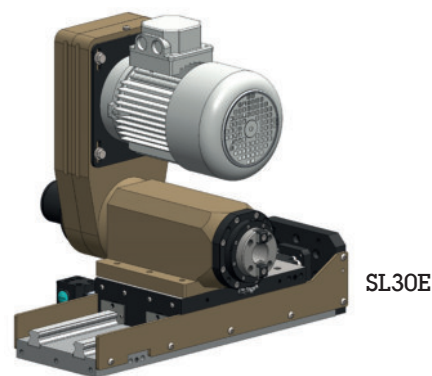
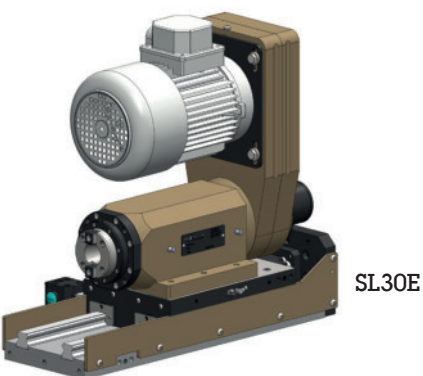
rotary union
M16x1,5 LH
giunto rotante
M16x1,5 LH

SU30



SU30

	spindle / mandrino		rpm			motor / motore		motor type / tipo motore		motor position / posizione motore
			50Hz	60Hz						
S3	ISO30 DIN2079	01	100	120	80...	motor reducer 0,75Kw 4 poles	S	230-400V-50/60Hz	F	front anteriore
S4	ISO40 DIN2079	02	200	240	81...	motor reducer 1,50Kw 4 poles	A	brake motor autofrenante	R	rear posteriore
H6	HSK63-C DIN69893	03	300	360	076	90 B14 0,75Kw 6 poles	V	forced ventilation servoventilato		
		05	500	600	116	90 B14 1,10Kw 6 poles	AV	brake motor + forced ventilation autofrenante + servoventilato		
		07	700	840	156	100 B14 1,50Kw 6 poles				
		08	800	960	226	112 B14 2,20Kw 6 poles				
		11	1100	1320	074	80 B14 0,75Kw 4 poles				
		15	1500	1800	114	90 B14 1,10Kw 4 poles				
		22	2200	2640	154	90 B14 1,50Kw 4 poles				
		30	3000	3600	224	100 B14 2,20Kw 4 poles				
		40	4000	4800	304	100 B14 3,00Kw 4 poles				
		60	6000	7200	404	112 B14 4,00Kw 4 poles				
		85	8500	10200	072	80 B14 0,75Kw 2 poles				
					112	80 B14 1,10Kw 2 poles				
					152	90 B14 1,50Kw 2 poles				
					222	90 B14 2,20Kw 2 poles				
					302	100 B14 3,00Kw 2 poles				
					402	112 B14 4,00Kw 2 poles				



STANDARD COLOR

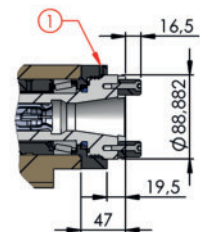
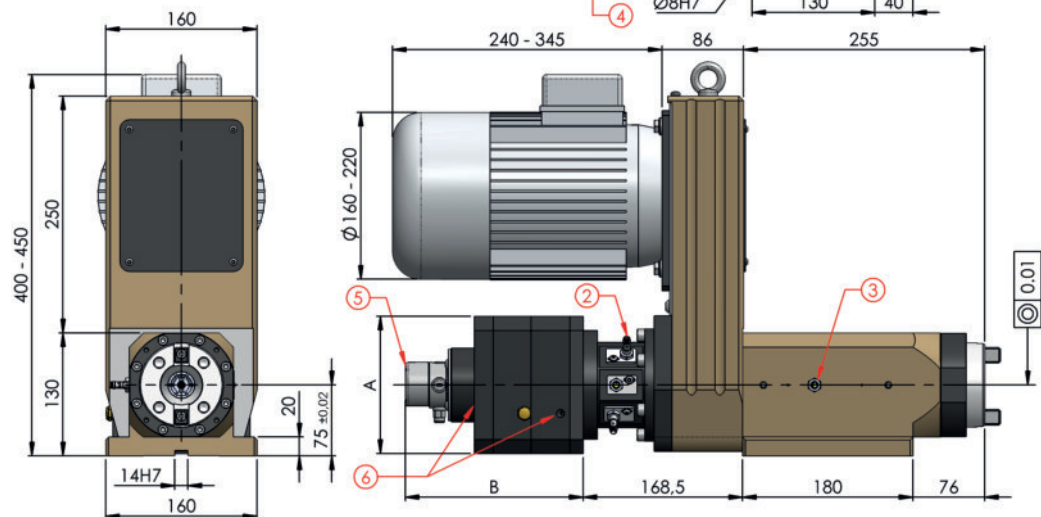
RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

SUA30

- Working unit suitable for drilling, milling, reaming and boring.
- Prearranged for installation on slides type SL30.
- Taper roller bearings up to 4000 rpm.
Optional: precision angular contact ball bearings.
- Air inlet 0.5bar for internal spindle pressurization (1).
- Spindle concentricity 0,01.
- Clamping/unclamping or tool not present sensors (2).
- Optional: position / rotation spindle sensor (3).
- Cylinder return sensor (4).
- Rotary union for coolant / air (5). Available only on models PC and HC.
- Air/oil inlet for clamping/unclamping tool (6).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 48 Kg



- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Predisposta per installazione su slitte serie SL30.
- Cuscinetti a rulli conici per velocità fino a 4000 g/1'.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (1).
- Concentricità mandrino 0,01.
- Sensori per rilevamento bloccaggio, sbloccaggio o utensile non presente (2).
- Optional: sensore posizione/rotazione mandrino (3).
- Sensore posizione ritorno cilindro (4).
- Giunto rotante per lubrorefrigerante/aria (5).
Disponibile solo per versioni PC e HC.
- Ingressi aria/olio 1/8G per blocco/sblocco utensile (6)
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 48 Kg

SUA30

	spindle / mandrino
S4	ISO40 DIN2079

	bearings / cuscinetti
T	roller bearing a rulli conici
H	precision ball bearings a sfere di precisione

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360

05	500	600
07	700	840
08	800	960
11	1100	1320
15	1500	1800
22	2200	2640
30	3000	3600

	motor / motore
80...	motor reducer 0,75Kw 4 poles
81...	motor reducer 1,50Kw 4 poles
076	90 B14 0,75Kw 6 poles
116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles

074	80 B14 0,75Kw 4 poles
114	90 B14 1,10Kw 4 poles
154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
404	112 B14 4,00Kw 4 poles
072	80 B14 0,75Kw 2 poles
112	80 B14 1,10Kw 2 poles
152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles
402	112 B14 4,00Kw 2 poles

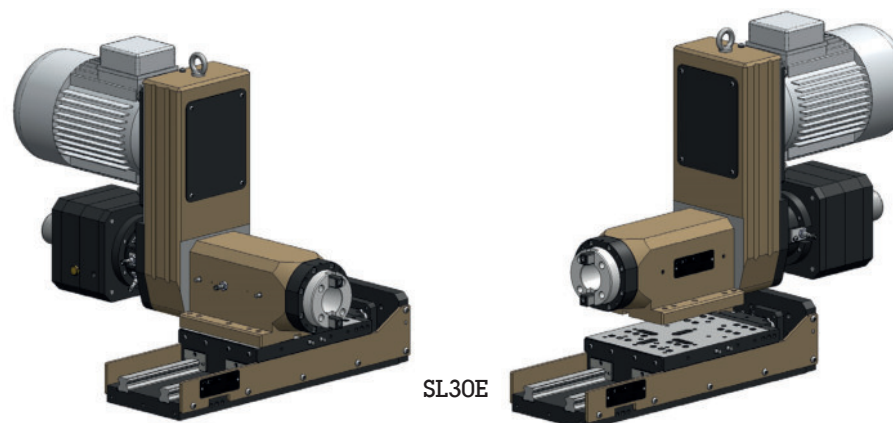
	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	motor position / posizione motore
R	rear posteriore

Pneumatic cylinder / Cilindro pneumatico	
Unclamping pressure Pressione di sblocco	6/8 bar
Unclamping force at 6 bar Forza di sblocco a 6 bar	14 kN

Hydraulic cylinder / Cilindro idraulico	
Unclamping pressure Pressione di sblocco	35/40 bar
Unclamping force at 35 bar Forza di sblocco a 35 bar	15 kN

	cylinder type / tipo cilindro
PN	pneumatic without coolant through drawbar and without rorary union pneumatico senza passaggio refrigerante né giunto rotante
PC	pneumatic with coolant through drawbar and rorary union pneumatico con passaggio refrigerante e giunto rotante
HN	hydraulic without coolant through drawbar and without rorary union idraulico senza passaggio refrigerante né giunto rotante
HC	hydraulic with coolant through drawbar and rorary union idraulico con passaggio refrigerante e giunto rotante



STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



unità di lavoro

SU45

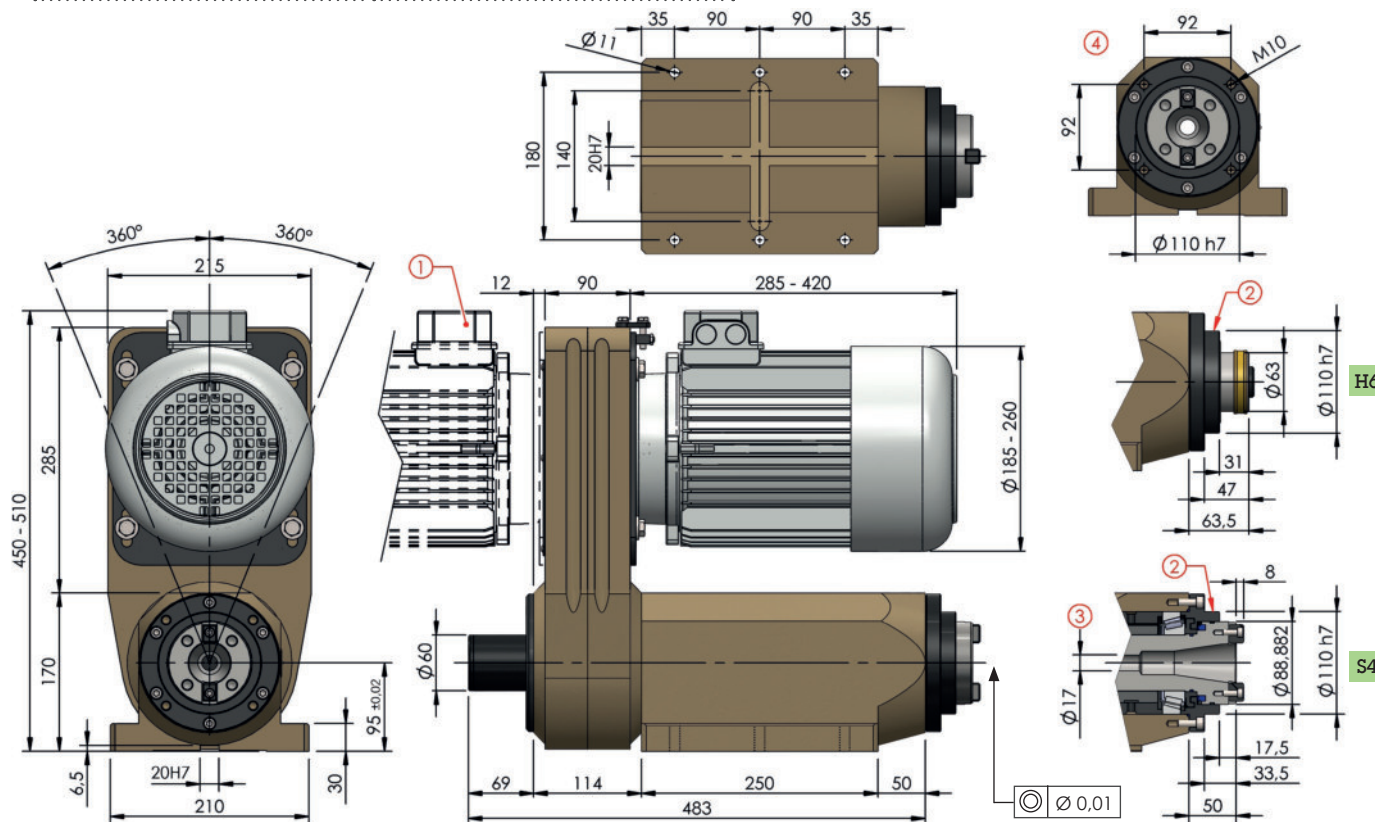
Drilling Capacity	ø45 on steel Rm50
Capacità di foratura	ø45 su acciaio Rm50
Spindle	ISO40 DIN2079
Mandrino	HSK63-C DIN69893
Spindle speed	from 100 to 7000 rpm
Velocità mandrino	da 100 a 7000 g/1'
Axial load	max 15000 N
Carico assiale	
Motor Power	from 1.10 to 7.50 Kw
Potenza Motore	da 1.10 a 7.50 Kw



- Working unit suitable for drilling, milling, reaming and boring.
- Prearranged for installation on slides type SL45/ SL50.
- Taper roller bearings.
Optional: precision angular contact ball bearings.
- Installation of motor in front/rear position (1).
Transmission housing can be rotated on 360°.
- Spindle concentricity 0,01.
- Air inlet 0.5bar for internal spindle pressurization (2).
- Spindle with bore for toolholder drawbar (3).
Optional: coolant through drawbar and rotary union
- Installation of multispindle head (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 80 Kg



- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Predisposta per installazione su slitte serie SL45/ SL50.
- Cuscinetti a rulli conici.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Installazione motore in posizione anteriore o posteriore (1). Carter motore ruotabile a 360°.
- Concentricità mandrino 0,01.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (2).
- Mandrino forato per passaggio tirante (3).
Su richiesta tirante forato per passaggio lubro-refrigerante e giunto rotante.
- Installazione teste multimandrino (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 80 Kg



SU45

	spindle / mandrino
S4	ISO40 DIN2079
H6	HSK63-C DIN69893

	bearings / cuscinetti
T	roller bearings α rulli conici
H	precision ball bearings α sfere di precisione

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360

05	500	600
08	800	960
11	1100	1320
15	1500	1800

22	2200	2640
30	3000	3600
50	5000	6000
70	7000	8400

	motor / motore
82...	motor reducer 2,20Kw 4 poles
84...	motor reducer 4,00Kw 4 poles

116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
306	132 B14 3,00Kw 6 poles
406	132 B14 4,00Kw 6 poles
556	132 B14 5,50Kw 6 poles

154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
404	112 B14 4,00Kw 4 poles
554	132 B14 5,50Kw 4 poles
754	132 B14 7,50Kw 4 poles

152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles
402	112 B14 4,00Kw 2 poles
552	132 B14 5,50Kw 2 poles
752	132 B14 7,50Kw 2 poles

	motor type / tipo motore
--	-----------------------------

S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	motor position / posizione motore
--	--------------------------------------

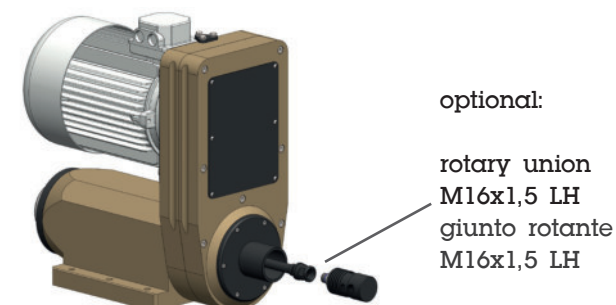
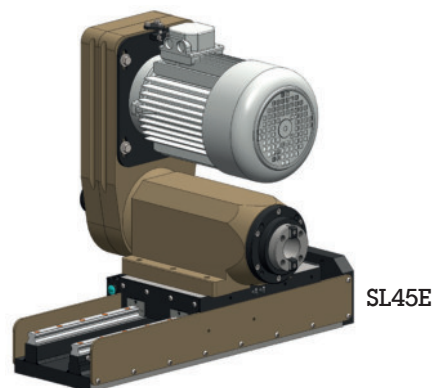
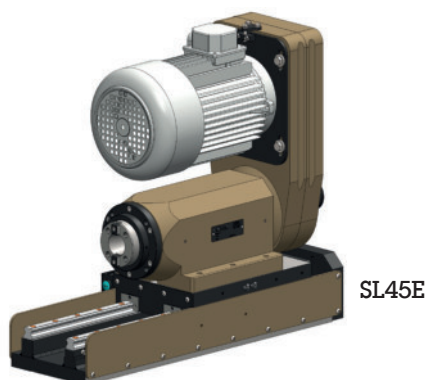
F	front anteriore
R	rear posteriore

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

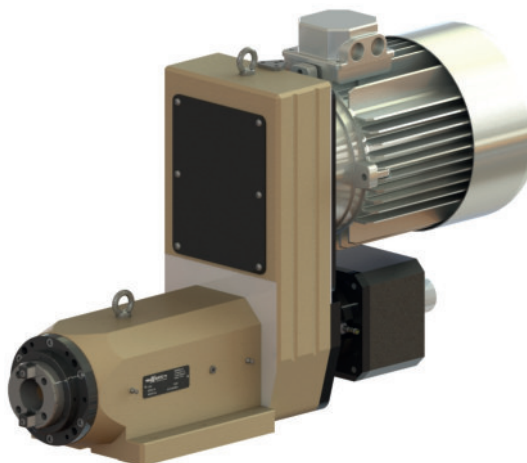




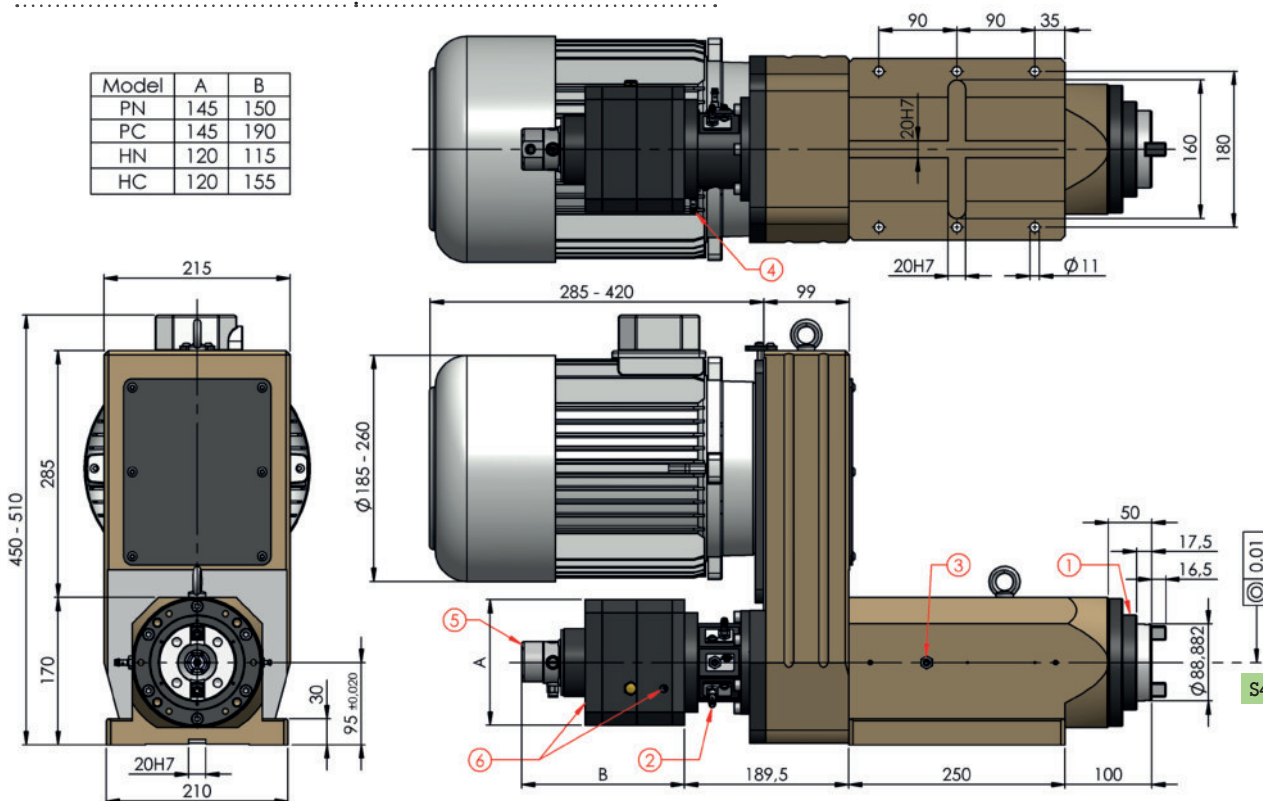
unità di lavoro

SUA45

Drilling Capacity	ø45 on steel Rm50
Capacità di foratura	ø45 su acciaio Rm50
Spindle	
Mandrino	ISO40 DIN2079
Clamping tool force	10,5 kN +/- 10%
Forza di bloccaggio	10,5 kN +/- 10%
Spindle speed	from 100 to 3000 rpm
Velocità mandrino	da 100 a 3000 g/1'
Axial load	
Carico assiale	max 15000 N
Motor Power	from 1.10 to 7.50 Kw
Potenza Motore	da 1.10 a 7.50 Kw



Model	A	B
PN	145	150
PC	145	190
HN	120	115
HC	120	155



SPINDLE WITH AUTOMATIC TOOLHOLDER CLAMPING SYSTEM

- Working unit suitable for drilling, milling, reaming and boring.
- Prearranged for installation on slides type SL45/SL50.
- Taper roller bearings up to 3000 rpm.
Optional: precision angular contact ball bearings.
- Air inlet 0.5bar for internal spindle pressurization (1).
- Spindle concentricity 0,01.
- Clamping/unclamping or tool not present sensors (2).
- Optional: position / rotation spindle sensor (3).
- Cylinder return sensor (4).
- Rotary union for coolant / air (5). Available only for models PC and HC.
- Air/oil inlet for clamping/unclamping tool (6).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 90 Kg



MANDRINO CON SISTEMA AUTOMATICO DI BLOCCAGGIO PORTAUTENSILE

- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Predisposta per installazione su slitte serie SL45/SL50.
- Cuscinetti a rulli conici per velocità fino a 3000 g/1'.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (1).
- Concentricità mandrino 0,01.
- Sensori per rilevamento bloccaggio, sbloccaggio o utensile non presente (2).
- Optional: sensore posizione/rotazione mandrino (3).
- Sensore posizione ritorno cilindro (4).
- Giunto rotante per lubrificante/aria (5).
Disponibile solo per versioni PC e HC.
- Ingressi aria/olio 1/8G per blocco/sblocco utensile (6).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 90 Kg

SUA45

	spindle / mandrino
S4	ISO40 DIN2079

	bearings / cuscinetti
T	roller bearings a rulli conici
H	precision ball bearings a sfere di precisione

	rpm	
	50Hz	60Hz
01	100	120
02	200	240
03	300	360

05	500	600
08	800	960
11	1100	1320
15	1500	1800

22	2200	2640
30	3000	3600

	motor / motore
82...	motor reducer 2,20Kw 4 poles
84...	motor reducer 4,00Kw 4 poles

116	90 B14 1,10Kw 6 poles
156	100 B14 1,50Kw 6 poles
226	112 B14 2,20Kw 6 poles
306	132 B14 3,00Kw 6 poles
406	132 B14 4,00Kw 6 poles
556	132 B14 5,50Kw 6 poles

154	90 B14 1,50Kw 4 poles
224	100 B14 2,20Kw 4 poles
304	100 B14 3,00Kw 4 poles
404	112 B14 4,00Kw 4 poles
554	132 B14 5,50Kw 4 poles
754	132 B14 7,50Kw 4 poles

152	90 B14 1,50Kw 2 poles
222	90 B14 2,20Kw 2 poles
302	100 B14 3,00Kw 2 poles
402	112 B14 4,00Kw 2 poles
552	132 B14 5,50Kw 2 poles
752	132 B14 7,50Kw 2 poles

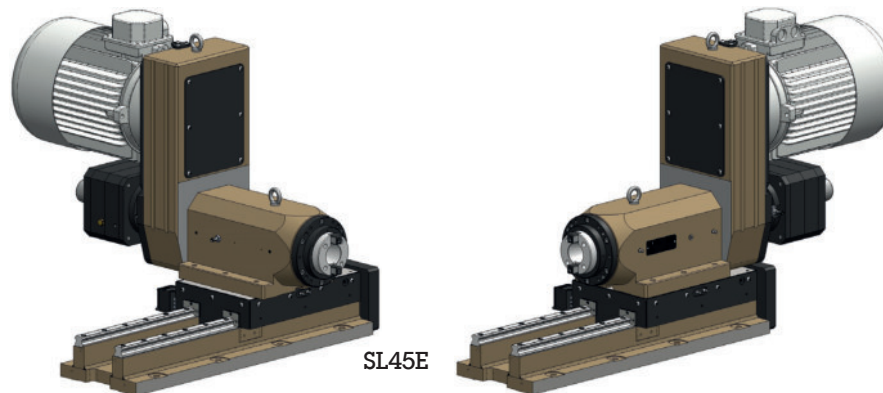
	motor type / tipo motore
S	230-400V-50/60Hz
A	brake motor autofrenante
V	forced ventilation servoventilato
AV	brake motor + forced ventilation autofrenante + servoventilato

	motor position / posizione motore
R	rear posteriore

	cylinder type / tipo cilindro
PN	pneumatic without coolant through drawbar and without rorary union pneumatico senza passaggio refrigerante né giunto rotante
PC	pneumatic with coolant through drawbar and rorary union pneumatico con passaggio refrigerante e giunto rotante
HN	hydraulic without coolant through drawbar and without rorary union idraulico senza passaggio refrigerante né giunto rotante
HC	hydraulic with coolant through drawbar and rorary union idraulico con passaggio refrigerante e giunto rotante

Pneumatic cylinder / Cilindro pneumatico	
Unclamping pressure Pressione di sblocco	6/8 bar
Unclamping force at 6 bar Forza di sblocco a 6 bar	14 kN

Hydraulic cylinder / Cilindro idraulico	
Unclamping pressure Pressione di sblocco	35/40 bar
Unclamping force at 35 bar Forza di sblocco a 35 bar	15 kN



SL45E

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

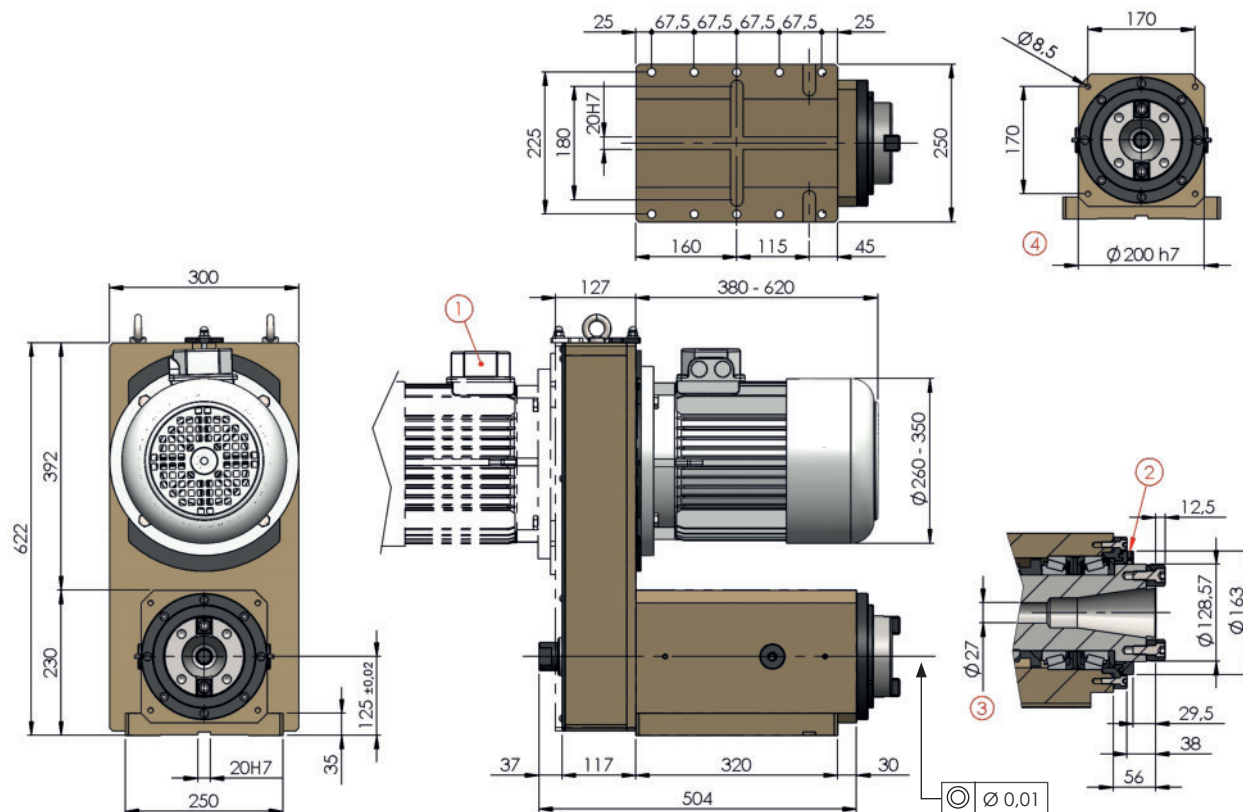
SU60

A 3D rendering of a mechanical assembly, likely a pump or motor. It features a large cylindrical component with a perforated end, mounted on a smaller rectangular base. The assembly is shown in a perspective view, highlighting its industrial design.

- Working unit suitable for drilling, milling, reaming and boring.
- Prearranged for installation on slides type SL60/SL70.
- Taper roller bearings.
Optional: precision angular contact ball bearings.
- Installation of motor in front/rear position (1).
Transmission housing can be rotated on 360°.
- Spindle concentricity 0,01.
- Air inlet 0.5bar for internal spindle pressurization (2).
- Spindle with bore for toolholder drawbar (3).
Optional: coolant through drawbar and rotary union.
- Installation of multispindle head (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 200 Kg



- Unità di lavoro idonea per foratura, fresatura, alesatura e barenatura.
- Predisposta per installazione su slitte serie SL60/SL70.
- Cuscinetti a rulli conici.
Su richiesta cuscinetti a sfere di precisione con contatti obliqui.
- Installazione motore in posizione anteriore o posteriore (1). Carter motore ruotabile a 360°.
- Concentricità mandrino 0,01.
- Ingresso aria 0,5bar per pressurizzazione interna mandrino (2).
- Mandrino forato per passaggio tirante (3).
Su richiesta tirante forato per passaggio lubro-refrigerante e giunto rotante.
- Installazione teste multimandrino (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 200 Kg



SU60

*	spindle / mandrino		rpm			motor / motore		motor type / tipo motore		motor position / posizione motore
			50Hz	60Hz						
S5	ISO50 DIN2079	01	100	120	83...	motor reducer 5,50Kw 4 poles	S	230-400V-50/60Hz	F	front anteriore
		02	200	240	84...	motor reducer 7,50Kw 4 poles	A	brake motor autofrenante	R	rear posteriore
		03	300	360	85...	motor reducer 11,00Kw 4 poles	V	forced ventilation servoventilato		
		05	500	600	556	132 B5 5,50Kw 6 poles	AV	brake motor + forced ventilation autofrenante + servoventilato		
		07	750	900	756	160 B5 7,50Kw 6 poles				
		11	1100	1320	K16	160 B5 11,00Kw 6 poles				
T	roller bearings α rulli conici	15	1500	1800	554	132 B5 5,50Kw 4 poles				
H	precision ball bearings α sfere di precisione				754	132 B5 7,50Kw 4 poles				
					K14	160 B5 11,00Kw 4 poles				
					K54	160 B5 15,00Kw 4 poles				
					K84	160 B5 18,50Kw 4 poles				
		22	2200	2640	552	132 B5 5,50Kw 2 poles				
		30	3000	3600	752	132 B5 7,50Kw 2 poles				
					K12	160 B5 11,00Kw 2 poles				
					K52	160 B5 15,00Kw 2 poles				
					K82	160 B5 18,50Kw 2 poles				

* On request other spindle types
Su richiesta altri mandrini

STANDARD COLOR

RAL 1001

OPTIONAL COLORS

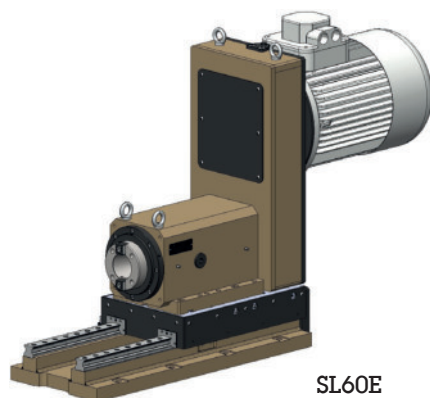
* On request other spindle types
Su richiesta altri mandrini

STANDARD COLOR

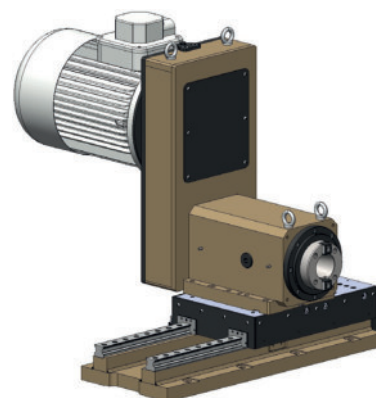
RAL 1001

OPTIONAL COLORS

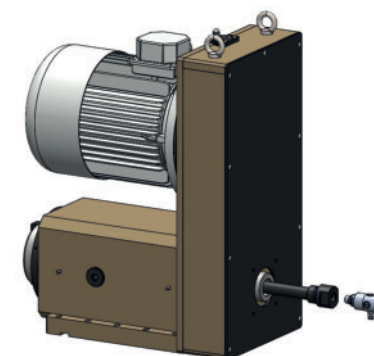
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



SL60E



SL60E



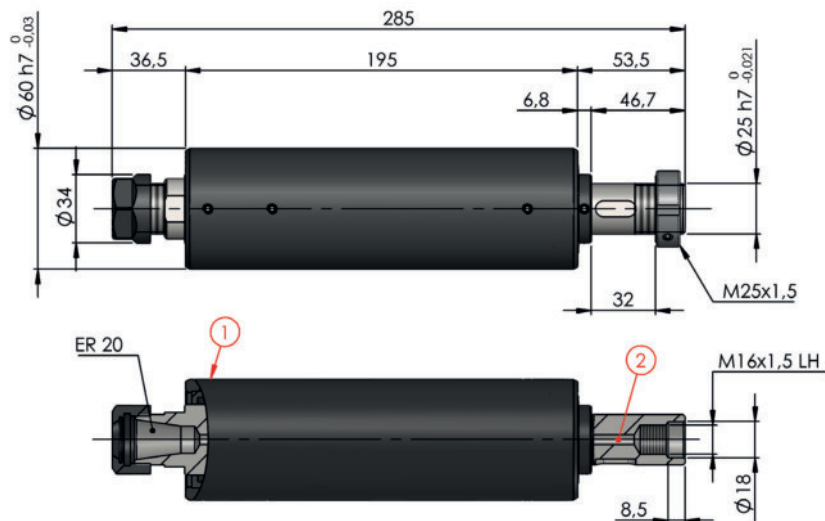
optional:

rotary union
M16x1,5 LH
giunto rotante
M16x1,5 LH

spindle heads



teste mandrino



SH10

	bearings / cuscinetti
T	roller bearings a rulli conici MAX 6000 rpm
H	precision ball bearings a sfere di precisione MAX 12000 rpm

	spindle / mandrino
E2	ER20 DIN 6499



- Air inlet 0.5bar for internal spindle pressurization (1).
- Spindle with bore for toolholder drawbar (2).
- Optional: coolant through drawbar and rotary union.

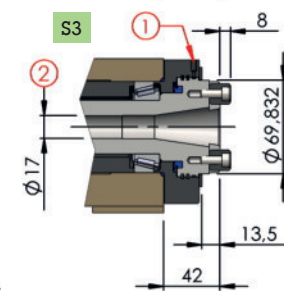
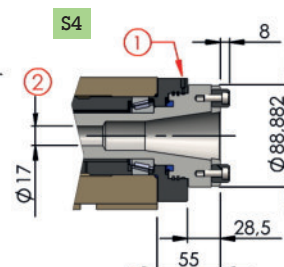
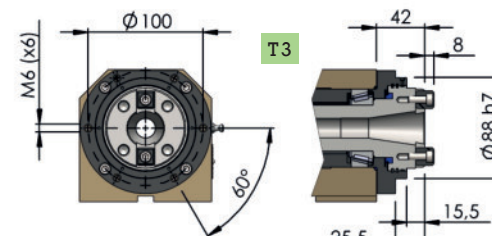
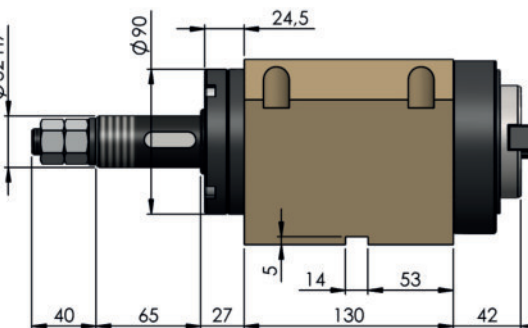
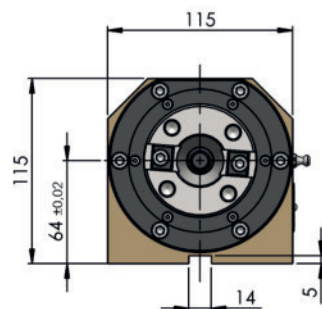


- Ingresso aria 0,5bar per pressurizzazione interna mandrino (1).
- Mandrino forato per passaggio tirante (2).
- Su richiesta tirante forato per passaggio lubro-refrigerante e giunto rotante.

SH20

	bearings / cuscinetti
T	roller bearings a rulli conici MAX 5000 rpm
H	precision ball bearings a sfere di precisione MAX 10000 rpm

	spindle / mandrino
S3	ISO30 DIN2079
S4	ISO40 DIN2079





spindle heads

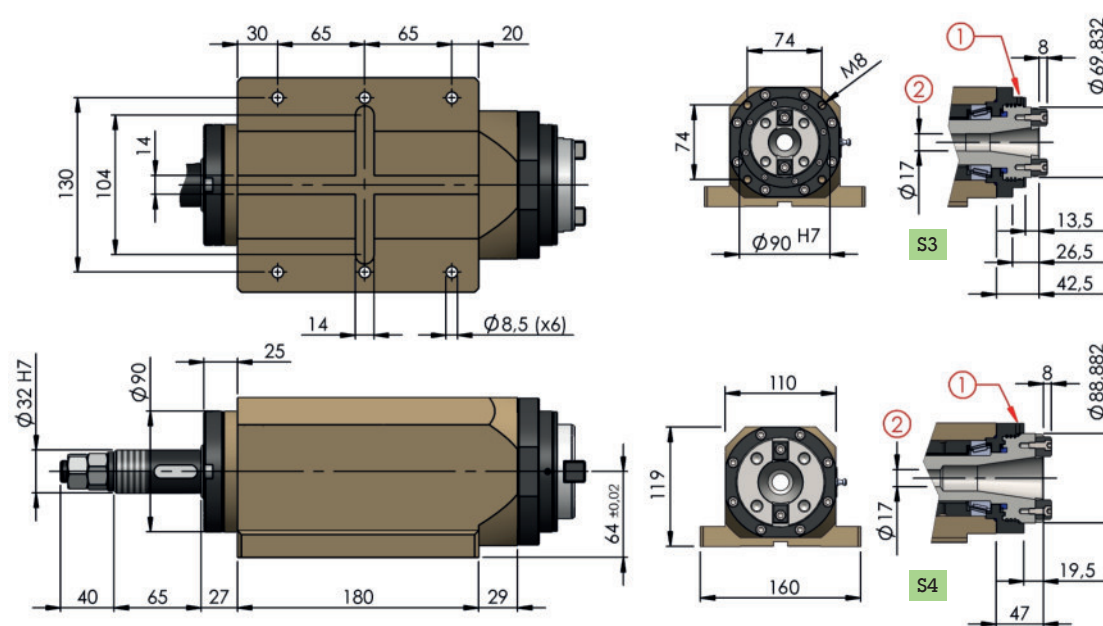
teste mandrino

SH30

	bearings / cuscinetti
T	roller bearings α rulli conici MAX 5000 rpm
H	precision ball bearings α sfere di precisione MAX 10000 rpm

spindle /
mandrino

S3	ISO30 DIN2079
S4	ISO40 DIN2079



- Ingresso aria 0,5bar per pressurizzazione interna mandrino (1).
 - Mandrino forato per passaggio tirante (2).
- Su richiesta tirante forato per passaggio lubro-refrigerante e giunto rotante.

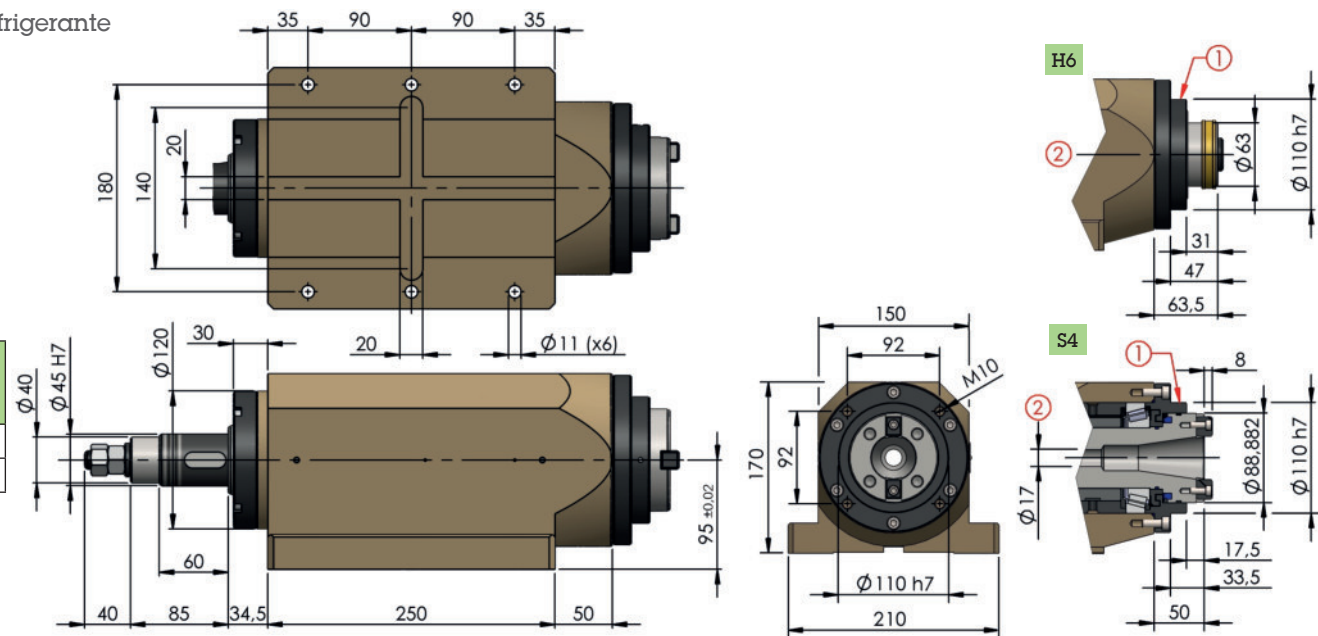


- Air inlet 0.5bar for internal spindle pressurization (1).
 - Spindle with bore for toolholder drawbar (2). —
- Optional: coolant through drawbar and rotary union.

SH45

	bearings / cuscinetti
T	roller bearings α rulli conici MAX 3500 rpm
H	precision ball bearings α sfere di precisione MAX 8500 rpm

	spindle / mandrino
S4	ISO40 DIN2079
H6	HSK63-C DIN69893



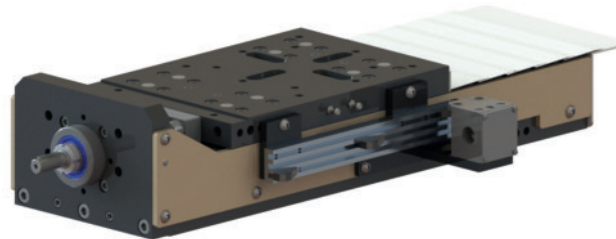
slide units



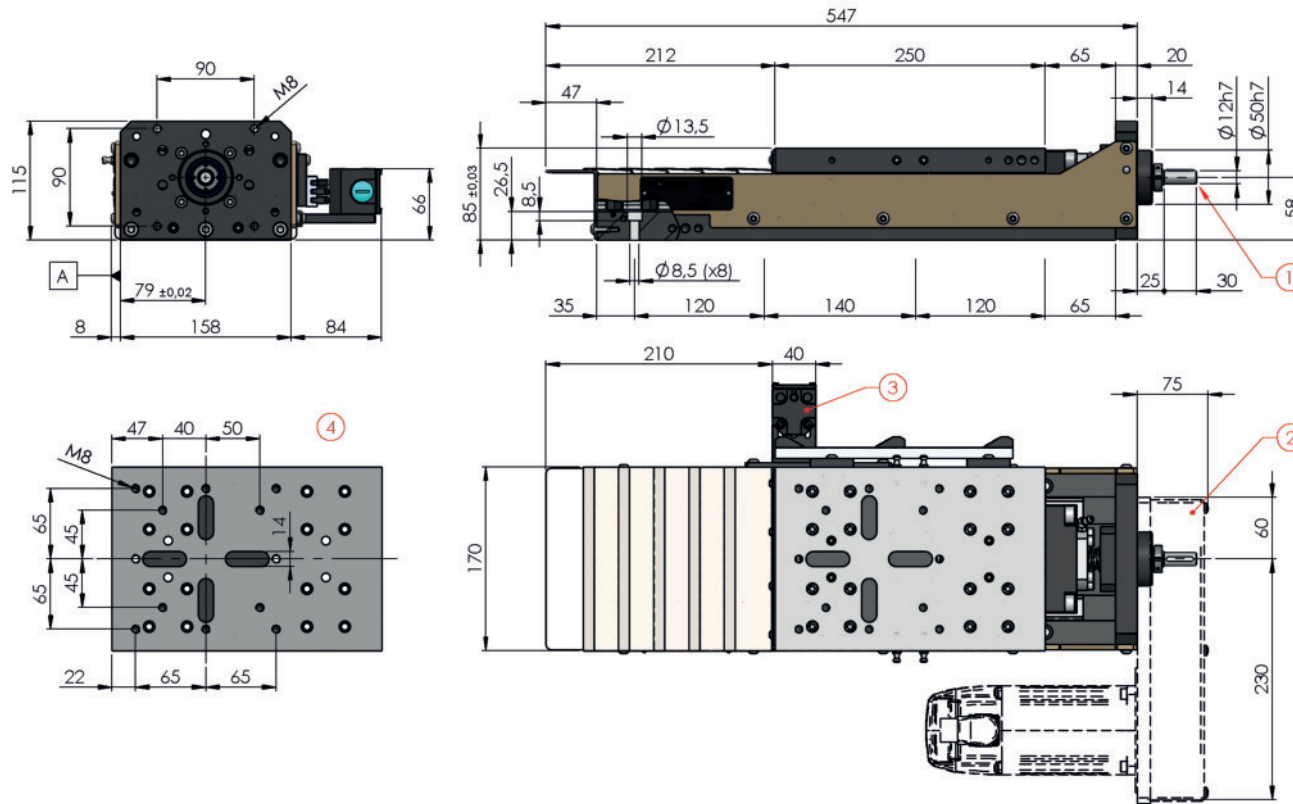
slitte di avanzamento

SL30E.120

Feed Avanzamento	ball screw $\varnothing 20 \times 5$ vite a sfere $\varnothing 20 \times 5$
Stroke Corsa	120 mm 120 mm
Max thrust Spinta massima	5500 N 560 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 5,5 N ratio/rapporto 1:2 max 2,5 N



- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 20 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor: side mounting (max 2,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 5,5N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Front bellows cover.
On request rear steel guard.
- Prearranged to install unit SU20 - SU30 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 37 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 20 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente: laterale (max 2,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 5,5N).
- Fine corsa di posizione a 3 contatti (3). Standard su lato destro, a richiesta su lato sinistro.
- Soffietto lamellare anteriore.
Su richiesta protezione posteriore in lamiera.
- Predisposta per installazione mandrini SU20 - SU30 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 37 Kg.

SL30E

120

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	limit switches position / posizione fine corsa
R	cam+switches on right side fine corsa sul lato destro
L	cam+switches on left side fine corsa sul lato sinistro
N	without cam+switches senza fine corsa

	front safety guard / protezione anteriore
1	with bellow cover con soffietto lamellare

	rear safety guard / protezione posteriore
0	without safety guard senza protezione
1	with rear steel guard con lamiera posteriore

	servomotor / servomotore
N	without predisposition senza predisposizione
D	in line mounting montaggio in linea
SR	right side mounting montaggio lato dx
SL	left side mounting montaggio lato sx

	ball screw / vite a sfere
01	standard

STANDARD COLOR

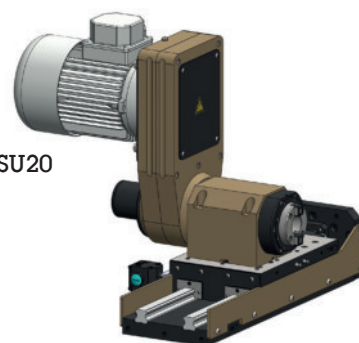
RAL 1001

OPTIONAL COLORS

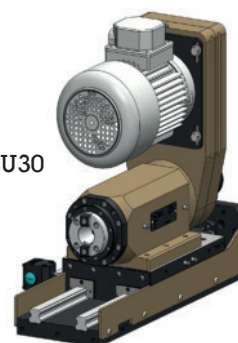
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



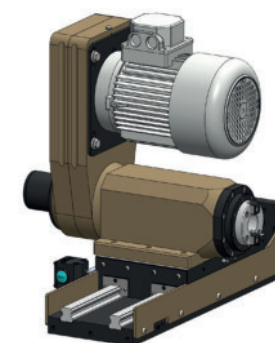
SU20



SU20



SU30

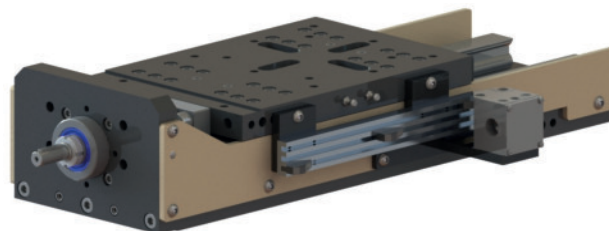


SU30

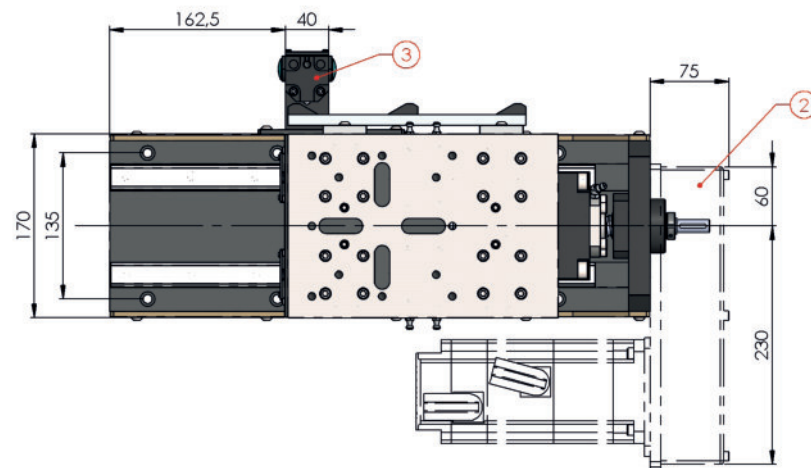
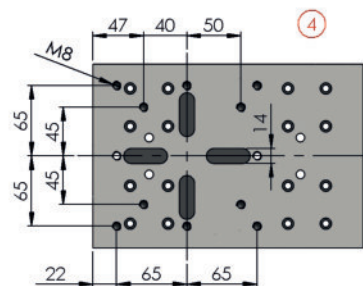
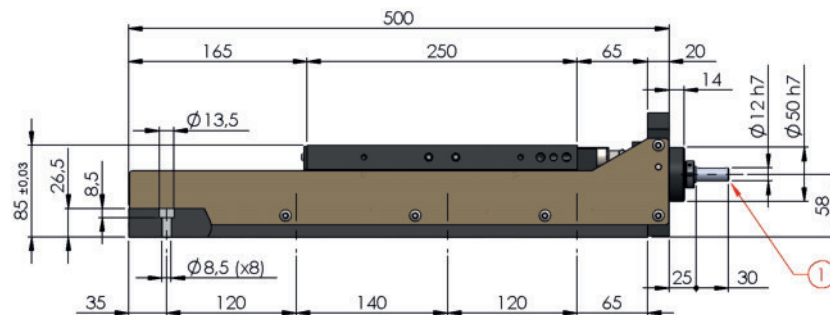
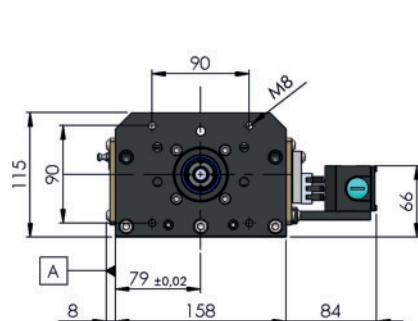


SL30E.150

Feed Avanzamento	ball screw $\varnothing 20 \times 5$ vite a sfere $\varnothing 20 \times 5$
Stroke Corsa	150 mm 150 mm
Max thrust Spinta massima	5500 N 560 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 5,5 N ratio/rapporto 1:2 max 2,5 N



- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 20 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor side mounting (max 2,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 5,5N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU20 - SU30 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 37 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 20 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 2,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 5,5N).
- Fine corsa di posizione a 3 contatti (3). Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU20 - SU30 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 37 Kg.

SL30E

150

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	limit switches position / posizione fine corsa
R	cam+switches on right side fine corsa sul lato destro
L	cam+switches on left side fine corsa sul lato sinistro
N	without cam+switches senza fine corsa

	front safety guard / protezione anteriore
0	without safety guard senza protezione

	rear safety guard / protezione posteriore
0	without safety guard senza protezione
1	with rear steel guard con lamiera posteriore

	servomotor / servomotore
N	without predisposition senza predisposizione
D	in line mounting montaggio in linea
SR	right side mounting montaggio lato dx
SL	left side mounting montaggio lato sx

	ball screw / vite a sfere
01	standard

STANDARD COLOR

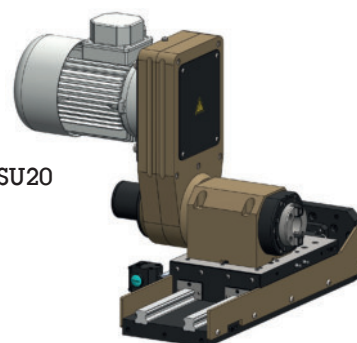
RAL 1001

OPTIONAL COLORS

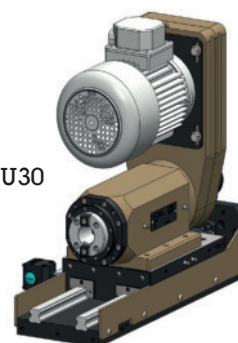
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



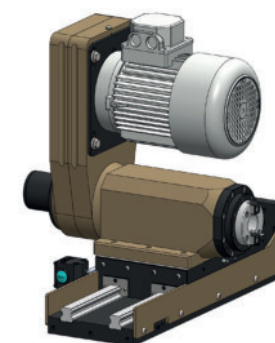
SU20



SU20



SU30

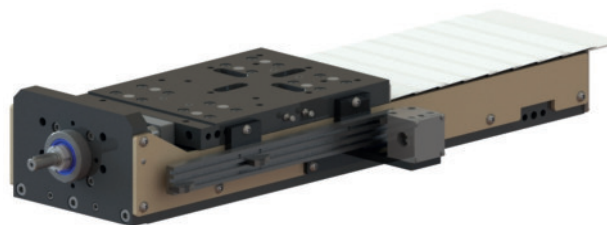


SU30

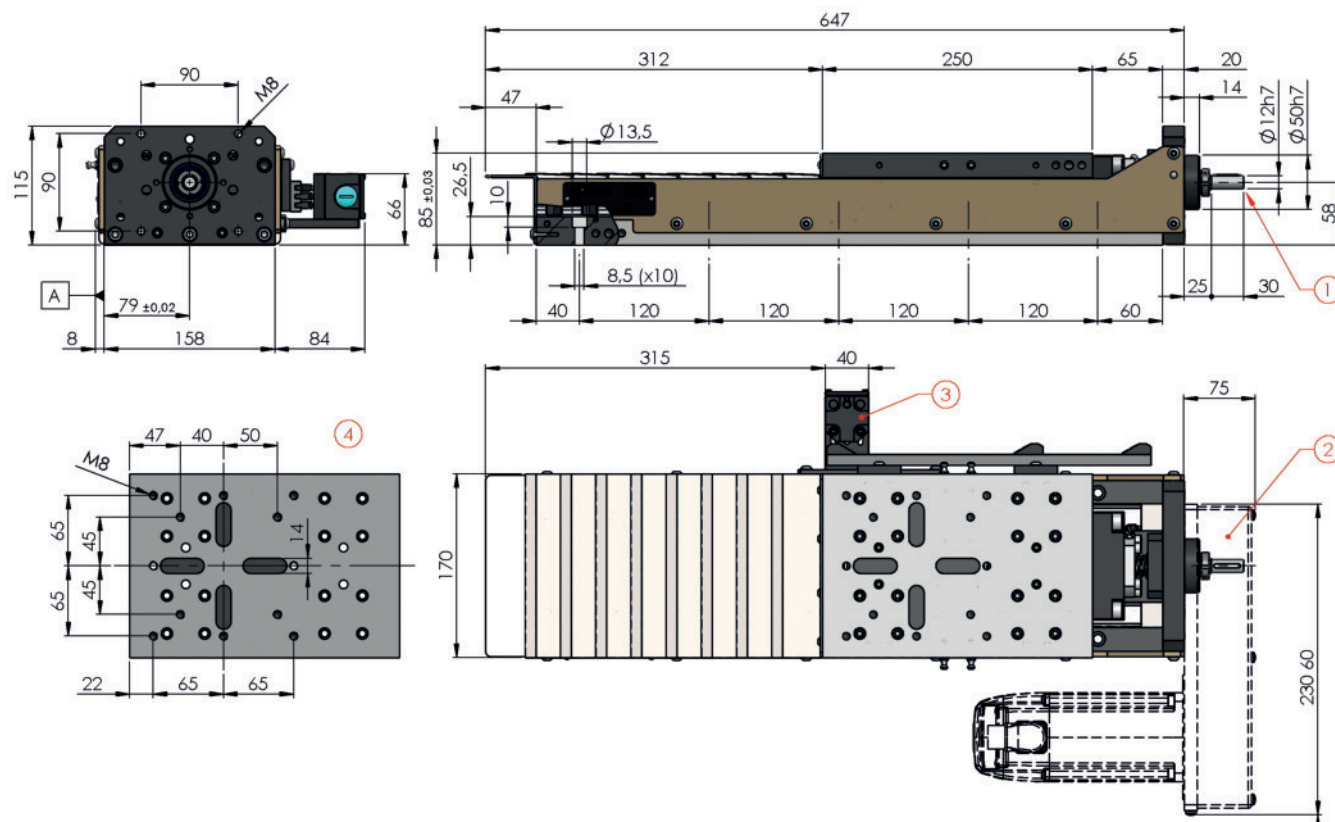


SL30E.190

Feed Avanzamento	ball screw $\varnothing 20 \times 5$ vite a sfere $\varnothing 20 \times 5$
Stroke Corsa	190 mm 190 mm
Max thrust Spinta massima	5500 N 560 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 5,5 N ratio/rapporto 1:2 max 2,5 N



- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 20 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 2,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 5,5N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Front bellows cover.
On request rear steel guard.
- Prearranged to install unit SU20 - SU30 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 42 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 20 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 2,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 5,5N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Soffietto lamellare anteriore.
Su richiesta protezione posteriore in lamiera.
- Predisposta per installazione mandrini SU20 - SU30 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 42 Kg.

SL30E

190

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	ball screw / vite a sfere
01	standard

	limit switches position / posizione fine corsa
R	cam+switches on right side fine corsa sul lato destro
L	cam+switches on left side fine corsa sul lato sinistro
N	without cam+switches senza fine corsa

	front safety guard / protezione anteriore
1	with bellow cover con soffietto lamellare

	rear safety guard / protezione posteriore
0	without safety guard senza protezione
1	with rear steel guard con lamiera posteriore

	servomotor / servomotore
N	without predisposition senza predisposizione
D	in line mounting montaggio in linea
SR	right side mounting montaggio lato dx
SL	left side mounting montaggio lato sx

STANDARD COLOR

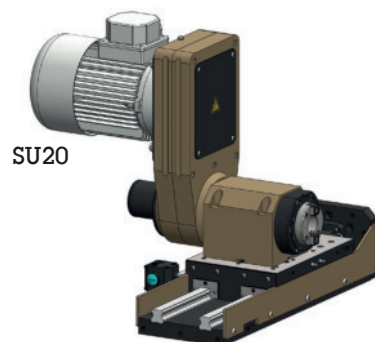
RAL 1001

OPTIONAL COLORS

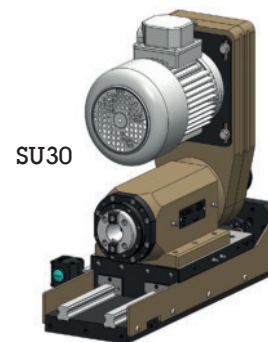
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



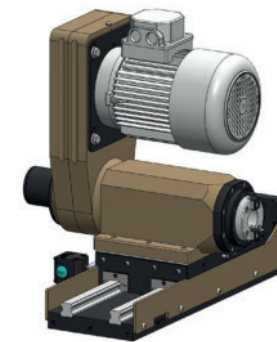
SU20



SU20



SU30



SU30

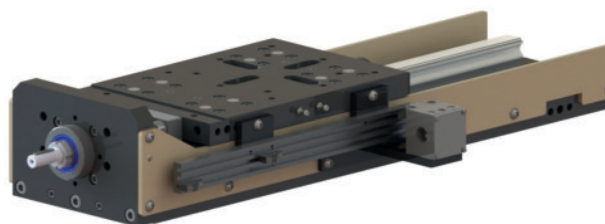
slide units



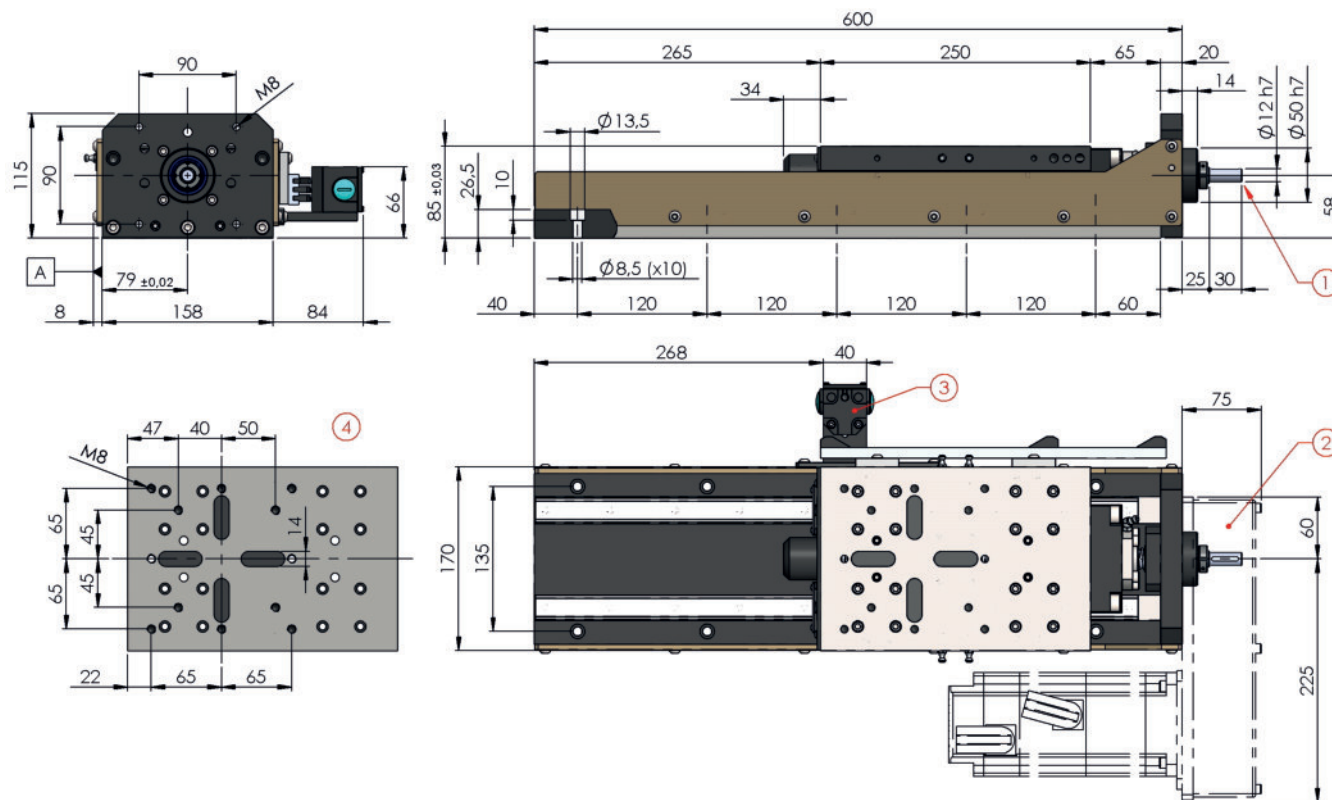
slitte di avanzamento

SL30E.250

Feed Avanzamento	ball screw $\varnothing 20 \times 5$ vite a sfere $\varnothing 20 \times 5$
Stroke Corsa	250 mm 250 mm
Max thrust Spinta massima	5500 N 560 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 5,5 N ratio/rapporto 1:2 max 2,5 N



- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 20 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 2,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 5,5N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU20 - SU30 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 42 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 20 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 2,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 5,5N).
- Fine corsa di posizione a 3 contatti (3). Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU20 - SU30 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 42 Kg.

SL30E

250

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	ball screw / vite a sfere
01	standard

	limit switches position / posizione fine corsa
R	cam+switches on right side fine corsa sul lato destro
L	cam+switches on left side fine corsa sul lato sinistro
N	without cam+switches senza fine corsa

	front safety guard / protezione anteriore
0	without safety guard senza protezione

	rear safety guard / protezione posteriore
0	without safety guard senza protezione
1	with rear steel guard con lamiera posteriore

	servomotor / servomotore
N	without predisposition senza predisposizione
D	in line mounting montaggio in linea
SR	right side mounting montaggio lato dx
SL	left side mounting montaggio lato sx

STANDARD COLOR

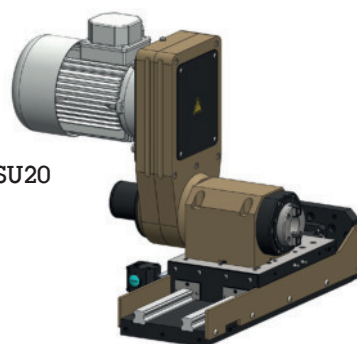
RAL 1001

OPTIONAL COLORS

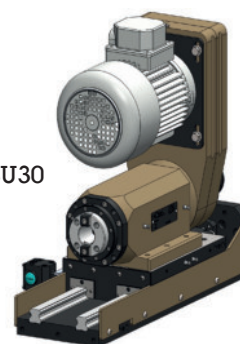
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



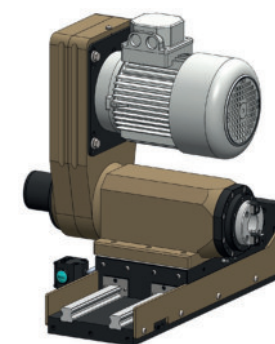
SU20



SU20

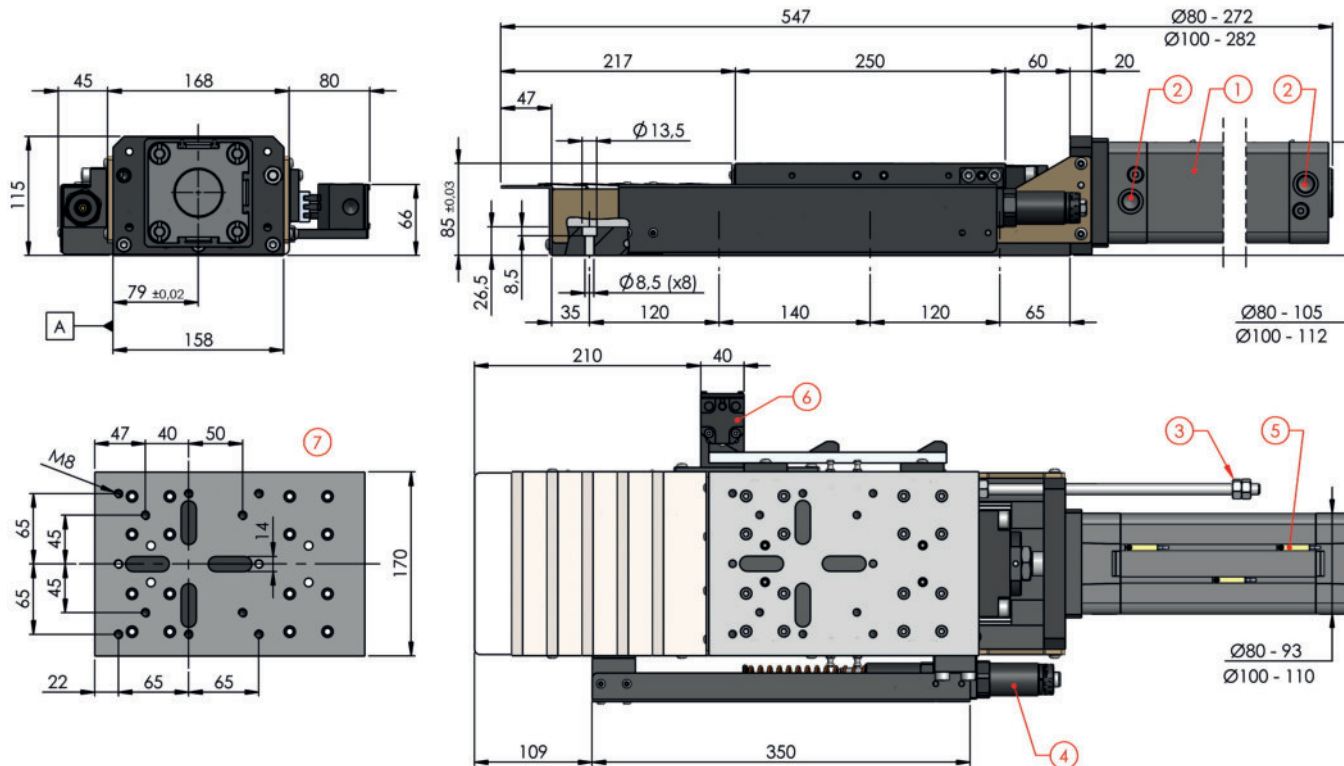
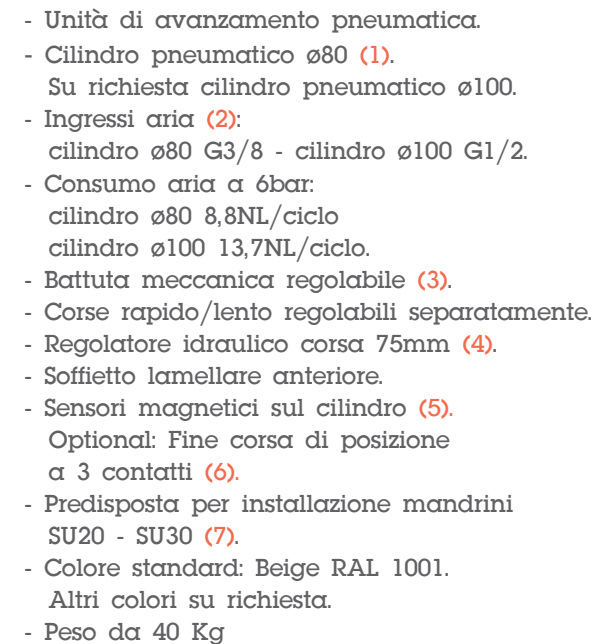
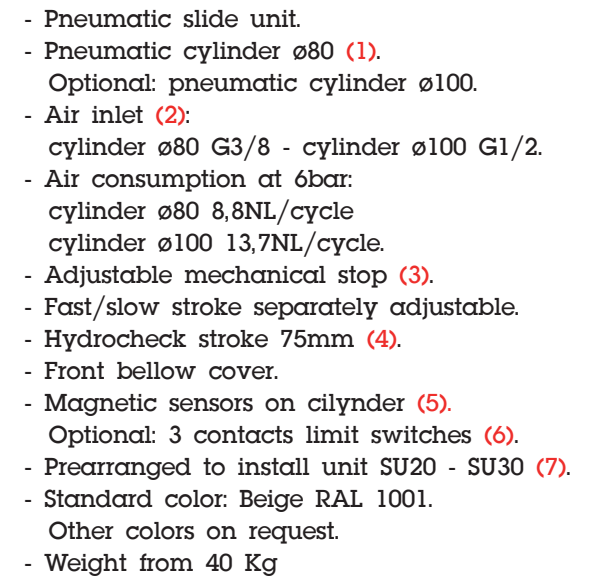


SU30



SU30

SL30P.125



SL30P

125

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	cylinder / cilindro
08	ø 80
10	ø 100

	limit switches position / posizione fine corsa
MR	magnetic sensor on cylinder, hydrocheck on right side. sensori magnetici sul cilindro, regolatore sul lato destro.
ML	magnetic sensor on cylinder, hydrocheck on left side. sensori magnetici sul cilindro, regolatore sul lato sinistro.
R	cam+switches on right side, hydrocheck on left side. fine corsa sul lato destro, regolatore sul lato sinistro.
L	cam+switches on left side, hydrocheck on right side. fine corsa sul lato sinistro, regolatore sul lato destro.

	front safety guard / protezione anteriore
1	with bellow cover con soffietto lamellare

	rear safety guard / protezione posteriore
0	without safety guard senza protezione

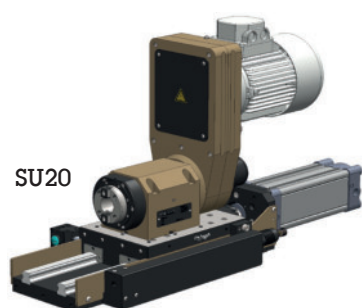
	hydrocheck / regolatore
75H	standard

STANDARD COLOR

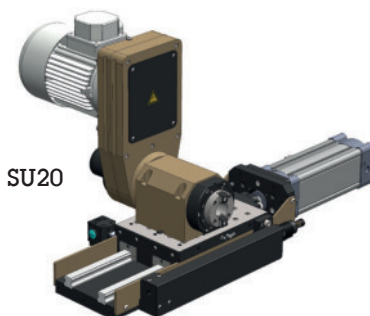
RAL 1001

OPTIONAL COLORS

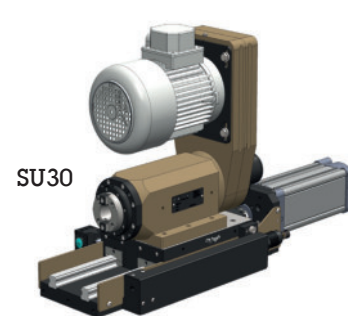
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



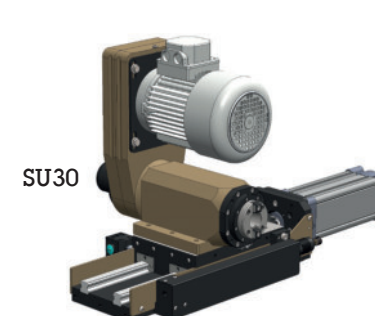
SU20



SU20



SU30



SU30

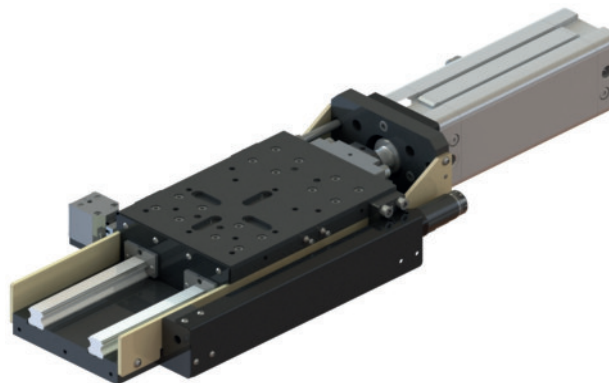
slide units



slitte di avanzamento

SL30P.150

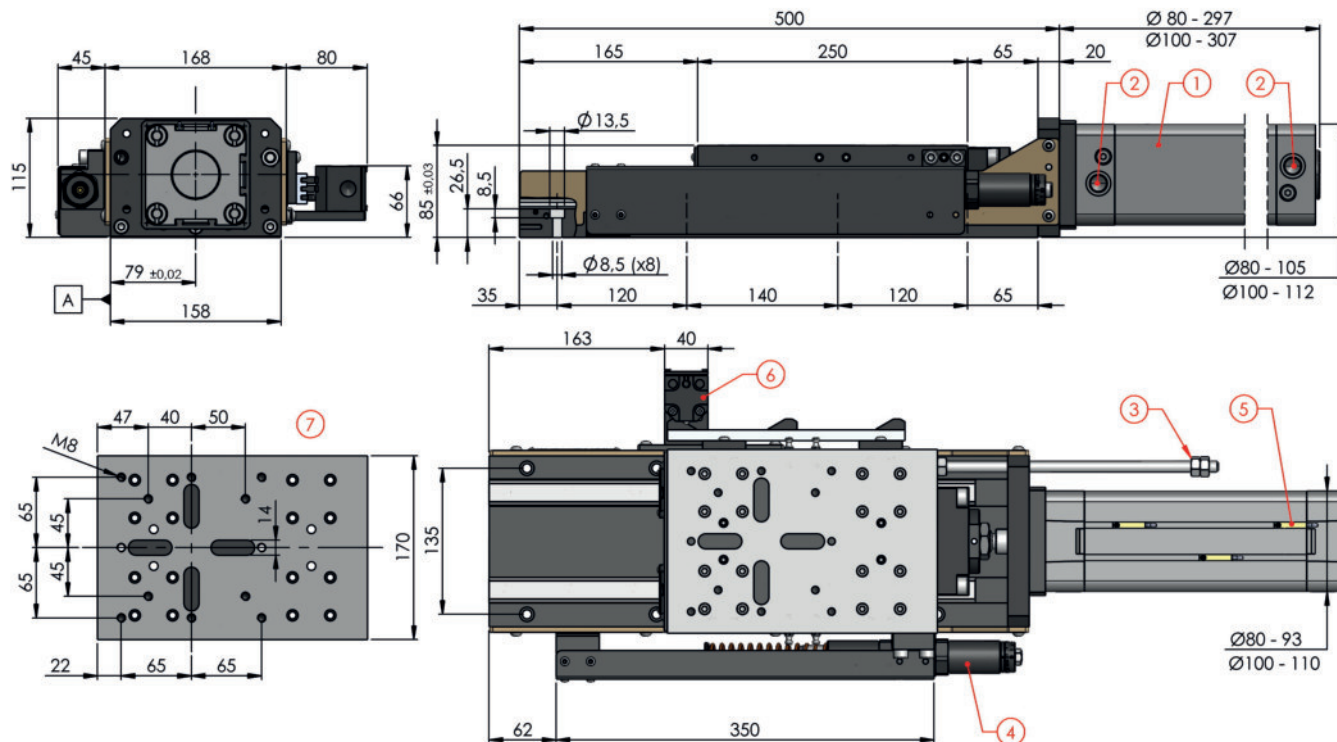
Feed	pneumatic
Avanzamento	pneumatico
Stroke	150 mm
Corsa	150 mm
Thrust at 6 bar	2700 N
Spinta a 6 bar	275 Kg



- Pneumatic slide unit.
- Pneumatic cylinder ø80 (1).
Optional: pneumatic cylinder ø100.
- Air inlet (2):
cylinder ø80 G3/8 - cylinder ø100 G1/2.
- Air consumption at 6bar:
cylinder ø80 10,6NL/cycle
cylinder ø100 16,5NL/cycle.
- Adjustable mechanical stop (3).
- Fast/slow stroke separately adjustable.
- Hydrocheck stroke 75mm (4).
- Magnetic sensors on cylinder (5).
Optional: 3 contacts limit switches (6).
- Prearranged to install unit SU20 - SU30 (7).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 40 Kg



- Unità di avanzamento pneumatica.
- Cilindro pneumatico ø80 (1).
Su richiesta cilindro pneumatico ø100.
- Ingressi aria (2):
cilindro ø80 G3/8 - cilindro ø100 G1/2.
- Consumo aria a 6bar:
cilindro ø80 10,6NL/ciclo
cilindro ø100 16,5NL/ciclo.
- Battuta meccanica regolabile (3).
- Corse rapido/lento regolabili separatamente.
- Regolatore idraulico corsa 75mm (4).
- Sensori magnetici sul cilindro (5).
Optional: Fine corsa di posizione
a 3 contatti (6).
- Predisposta per installazione mandrini
SU20 - SU30 (7).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 40 Kg



SL30P

150

stroke / corsa

	row pads / pattini
S	ball row pads pattini a sfere
R	roller pads pattini a rulli

	cylinder / cilindro
08	ø 80
10	ø 100

	limit switches position / posizione fine corsa
MR	magnetic sensor on cylinder, hydrocheck on right side. sensori magnetici sul cilindro, regolatore sul lato destro.
ML	magnetic sensor on cylinder, hydrocheck on left side. sensori magnetici sul cilindro, regolatore sul lato sinistro.
R	cam+switches on right side, hydrocheck on left side. fine corsa sul lato destro, regolatore sul lato sinistro.
L	cam+switches on left side, hydrocheck on right side. fine corsa sul lato sinistro, regolatore sul lato destro.

	front safety guard / protezione anteriore
0	without safety guard senza protezione

	rear safety guard / protezione posteriore
0	without safety guard senza protezione

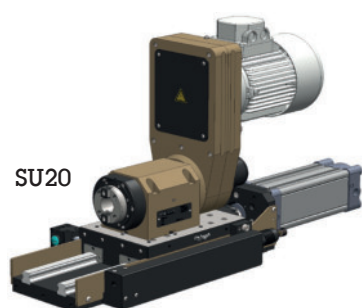
	hydrocheck / regolatore
75H	standard

STANDARD COLOR

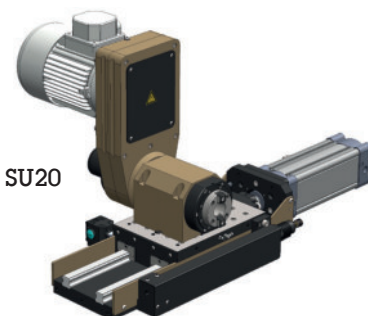
RAL 1001

OPTIONAL COLORS

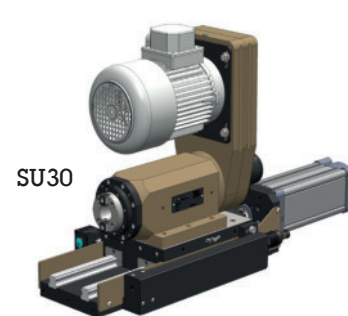
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



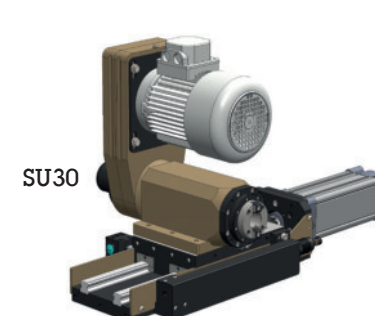
SU20



SU20



SU30



SU30

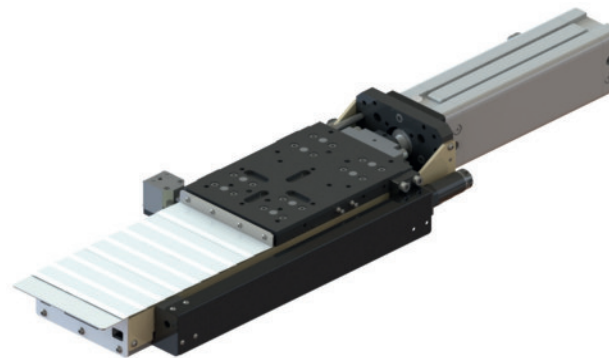
slide units



slitte di avanzamento

SL30P.200

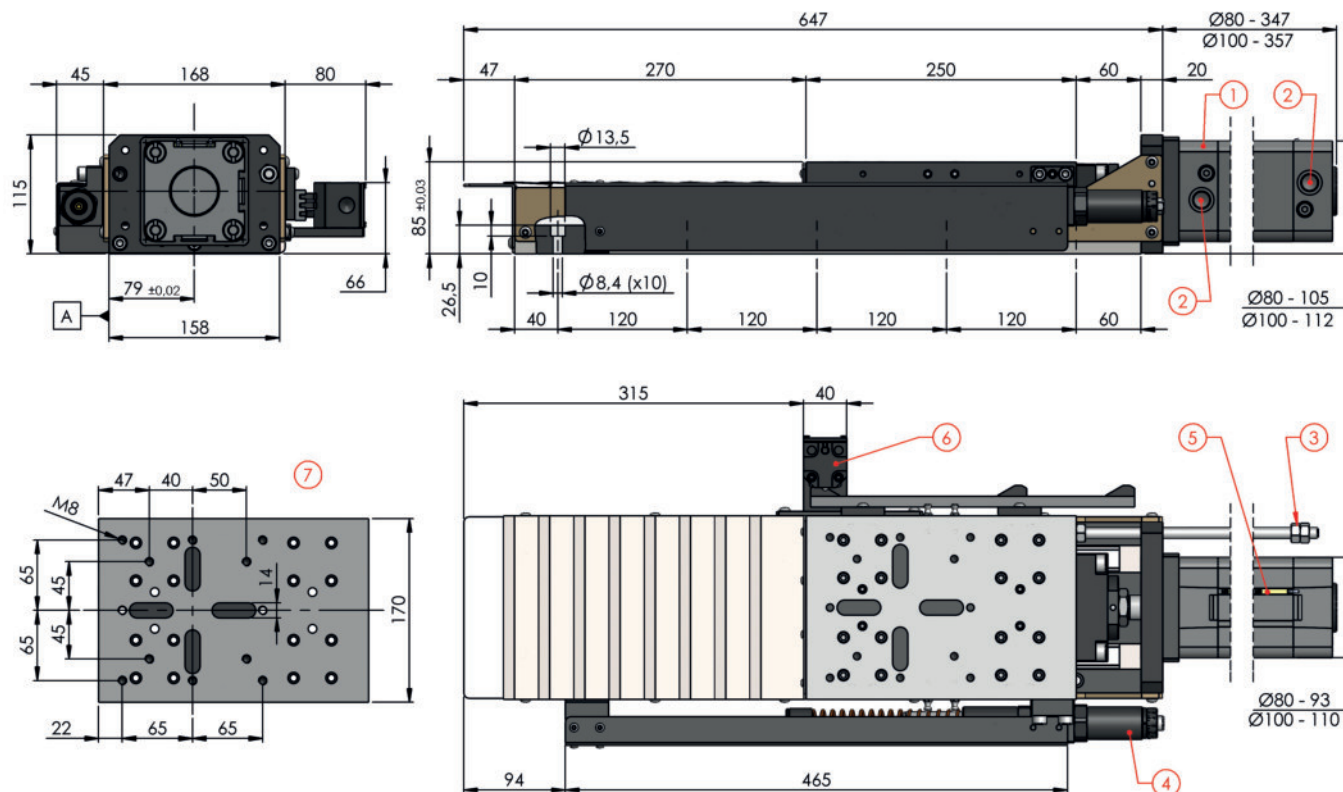
Feed	pneumatic
Avanzamento	pneumatico
Stroke	200 mm
Corsa	200 mm
Thrust at 6 bar	2700 N
Spinta a 6 bar	275 Kg

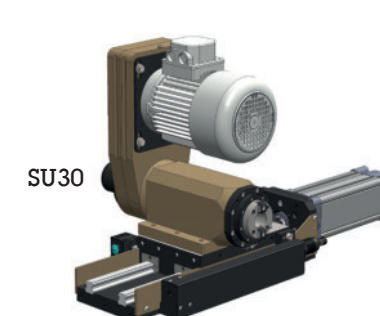
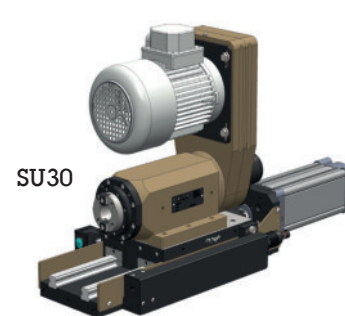
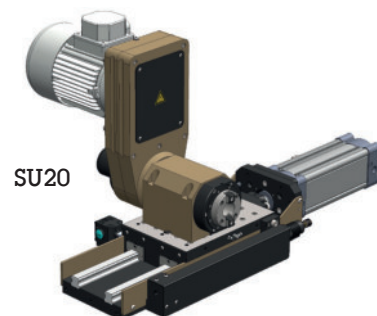
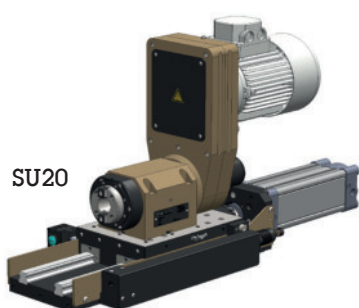
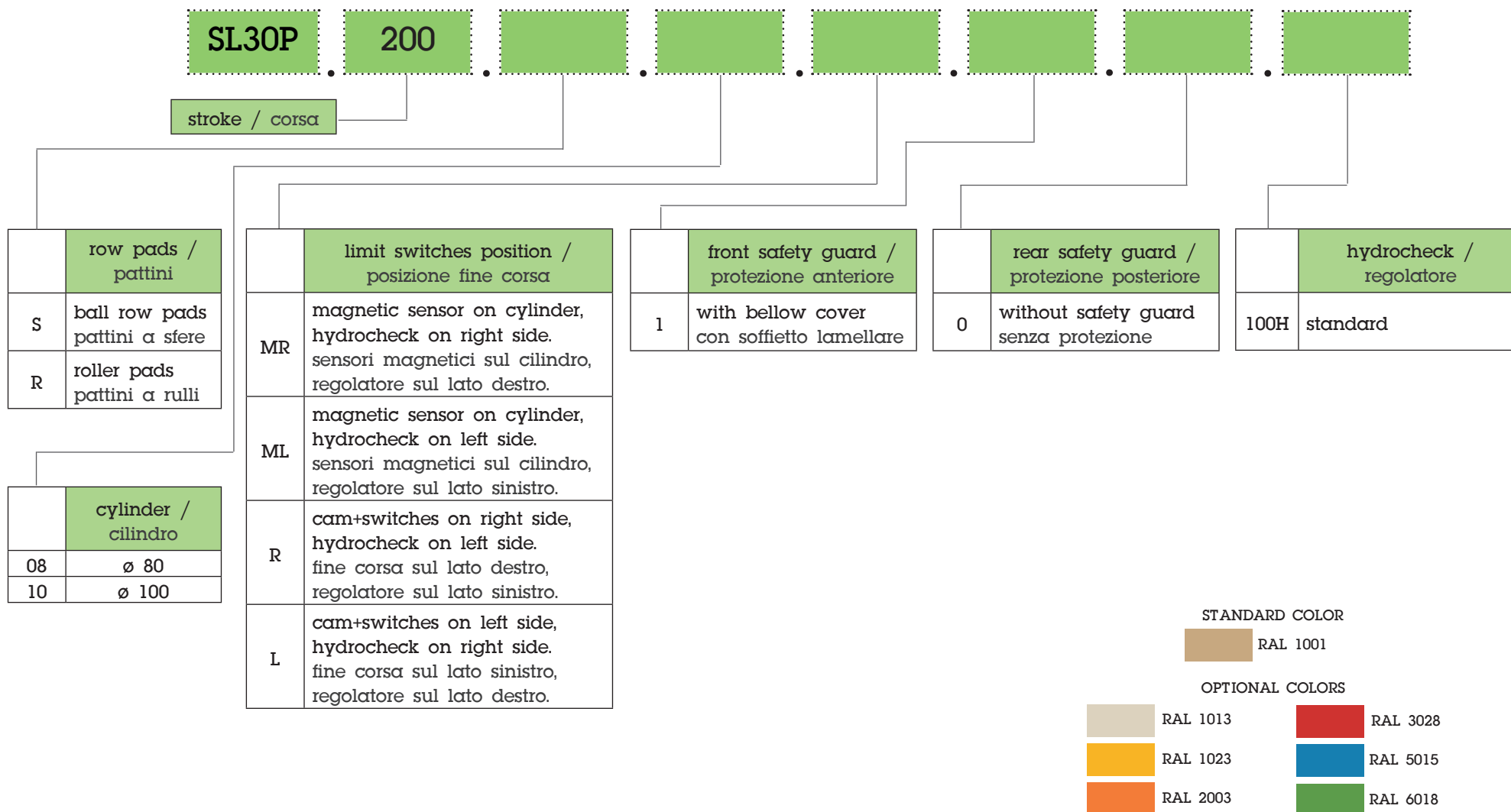


- Pneumatic slide unit.
- Pneumatic cylinder ø80 (1).
Optional: pneumatic cylinder ø100.
- Air inlet (2):
cylinder ø80 G3/8 - cylinder ø100 G1/2.
- Air consumption at 6bar:
cylinder ø80 14,1NL/cycle
cylinder ø100 22NL/cycle.
- Adjustable mechanical stop (3).
- Fast/slow stroke separately adjustable.
- Hydrocheck stroke 100mm (4).
- Front bellow cover.
- Magnetic sensors on cylinder (5).
Optional: 3 contacts limit switches (6).
- Prearranged to install unit SU20 - SU30 (7).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 48 Kg



- Unità di avanzamento pneumatica.
- Cilindro pneumatico ø80 (1).
Su richiesta cilindro pneumatico ø100.
- Ingressi aria (2):
cilindro ø80 G3/8 - cilindro ø100 G1/2.
- Consumo aria a 6bar:
cilindro ø80 14,1NL/ciclo
cilindro ø100 22NL/ciclo.
- Battuta meccanica regolabile (3).
- Corse rapido/lento regolabili separatamente.
- Regolatore idraulico corsa 100mm (4).
- Soffietto lamellare anteriore..
- Sensori magnetici sul cilindro (5).
Optional: fine corsa di posizione
a 3 contatti (6).
- Predisposta per installazione mandrini
SU20 - SU30 (7).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 48 Kg





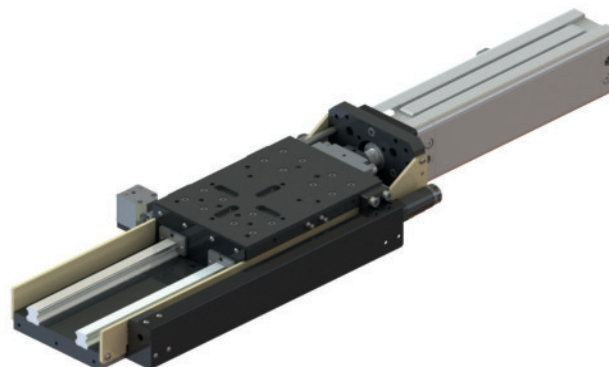
slide units



slitte di avanzamento

SL30P.250

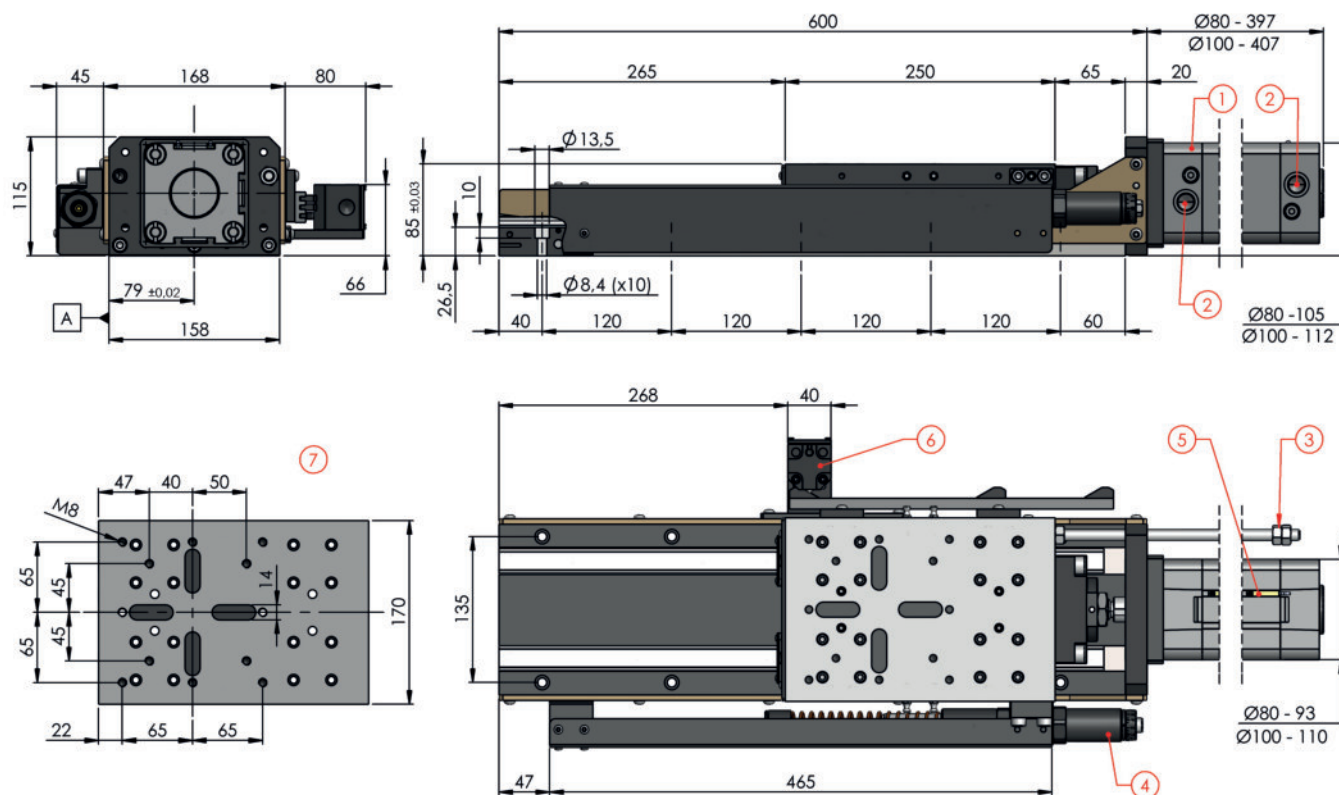
Feed	pneumatic
Avanzamento	pneumatico
Stroke	250 mm
Corsa	250 mm
Thrust at 6 bar	2700 N
Spinta a 6 bar	275 Kg

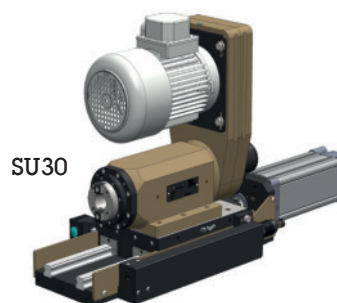
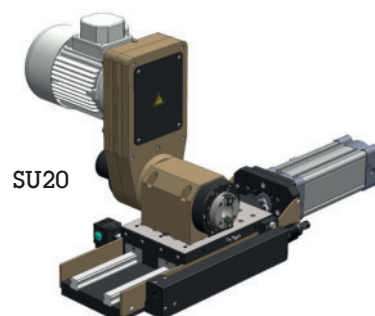
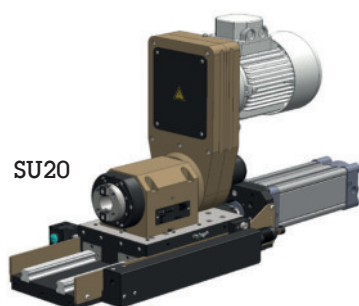
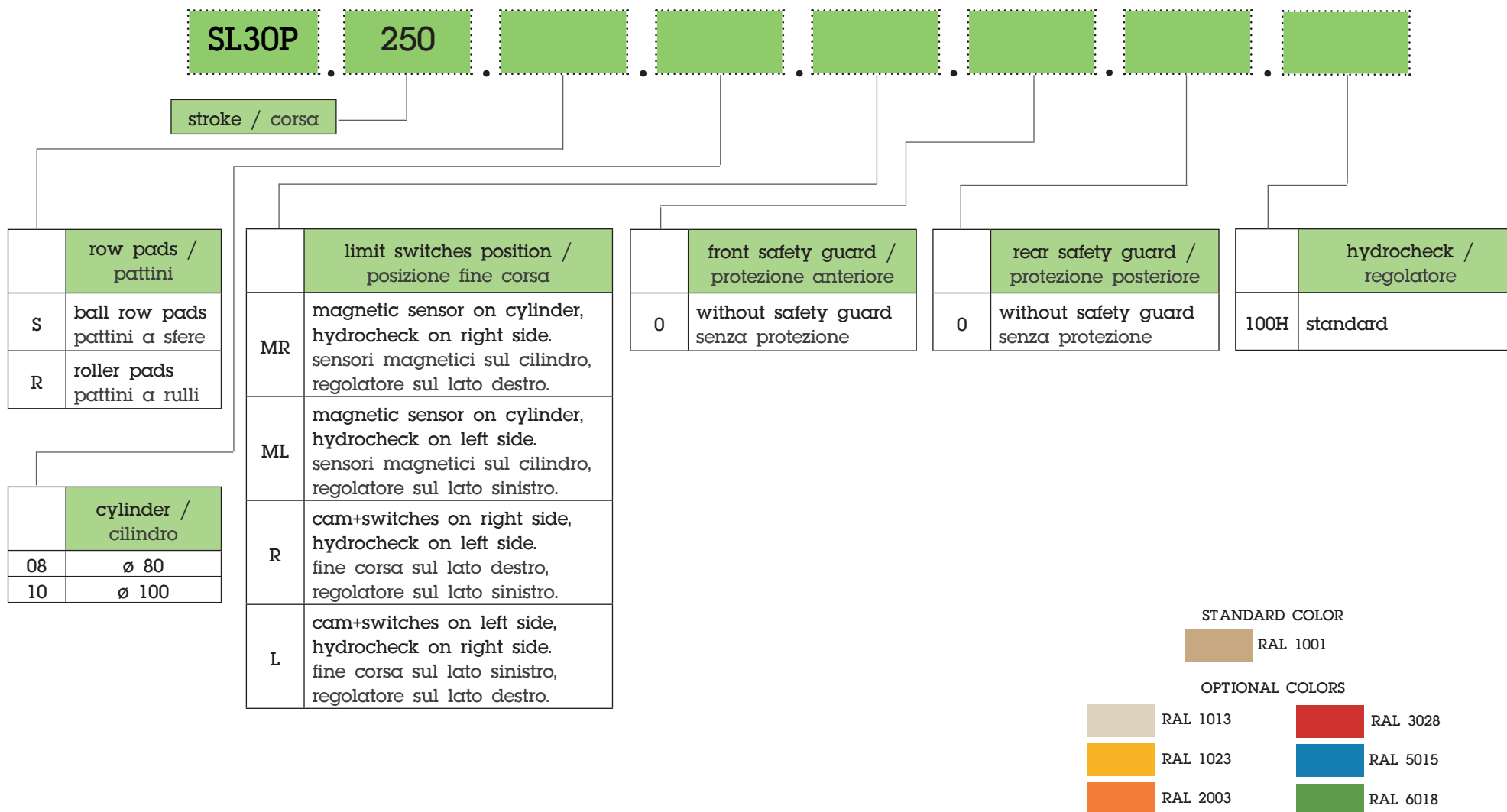


- Pneumatic slide unit.
- Pneumatic cylinder ø80 (1).
Optional: pneumatic cylinder ø100.
- Air inlet (2):
cylinder ø80 G3/8 - cylinder ø100 G1/2.
- Air consumption at 6bar:
cylinder ø80 17,6NL/cycle
cylinder ø100 27,5NL/cycle.
- Adjustable mechanical stop (3).
- Fast/slow stroke separately adjustable.
- Hydrocheck stroke 100mm (4).
- Magnetic sensors on cylinder (5).
Optional: 3 contacts limit switches (6).
- Prearranged to install unit SU20 - SU30 (7).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 48 Kg



- Unità di avanzamento pneumatica.
- Cilindro pneumatico ø80 (1).
Su richiesta cilindro pneumatico ø100.
- Ingressi aria (2):
cilindro ø80 G3/8 - cilindro ø100 G1/2.
- Consumo aria a 6bar:
cilindro ø80 17,6NL/ciclo
cilindro ø100 27,5NL/ciclo.
- Battuta meccanica regolabile (3).
- Corse rapido/lento regolabili separatamente.
- Regolatore idraulico corsa 100mm (4).
- Sensori magnetici sul cilindro (5).
Optional: fine corsa di posizione
a 3 contatti (6).
- Predisposta per installazione mandrini
SU20 - SU30 (7).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 48 Kg

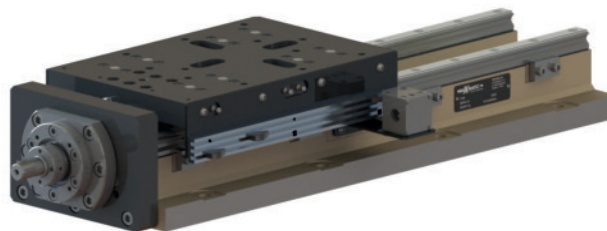






SL45E.250

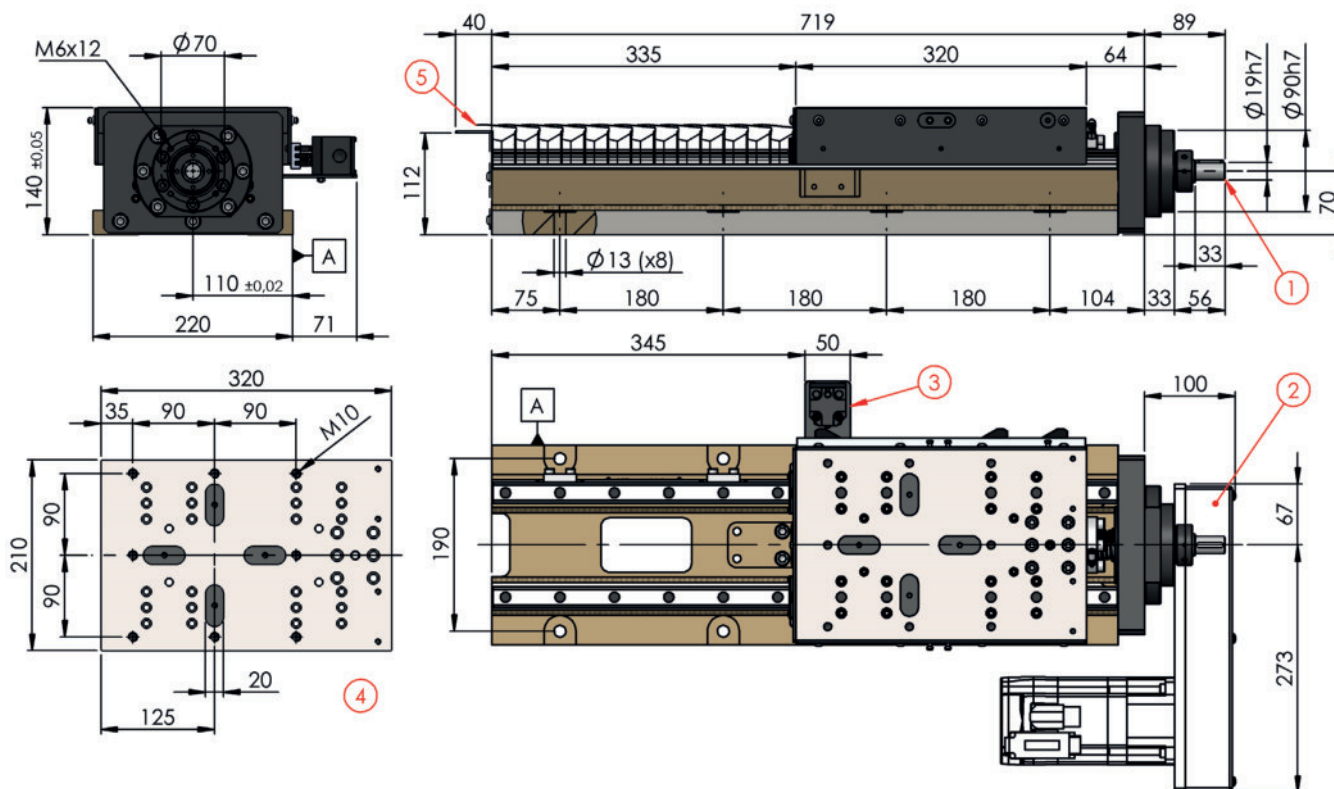
Feed Avanzamento	ball screw $\varnothing 32 \times 5$ vite a sfere $\varnothing 32 \times 5$
Stroke Corsa	250 mm 250 mm
Max thrust Spinta massima	9000 N 920 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 9,0 N ratio/rapporto 1:2 max 4,5 N

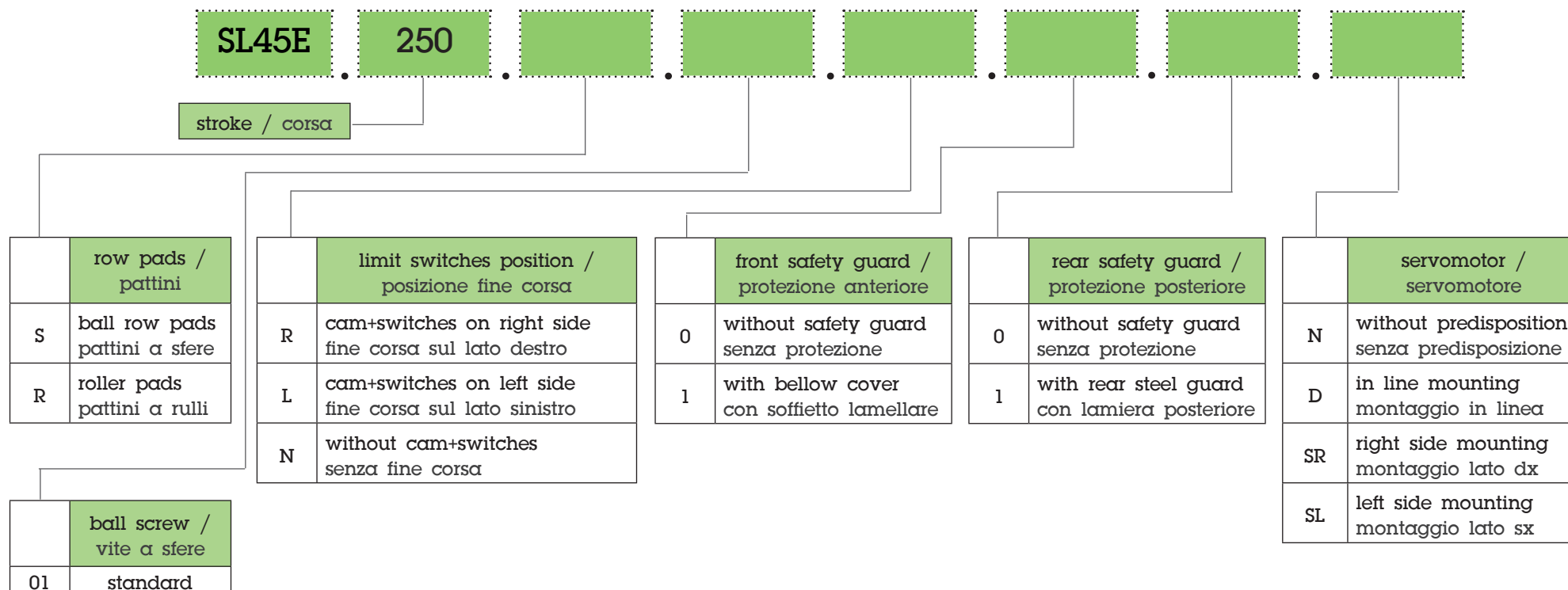


- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 32 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 4,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 9,0N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU45 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 82 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 32 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 4,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 9,0N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU45 (4).
- Su richiesta soffiato lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 82 Kg.



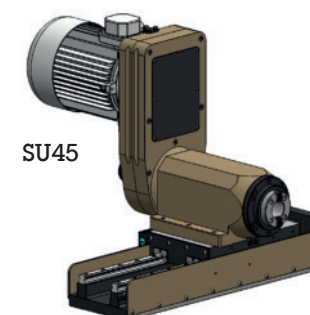
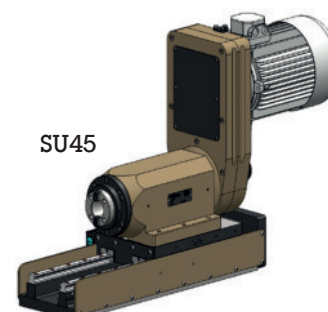
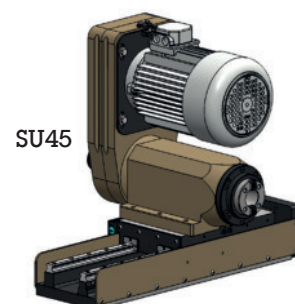
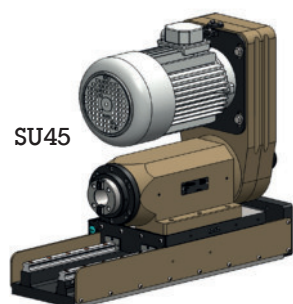


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

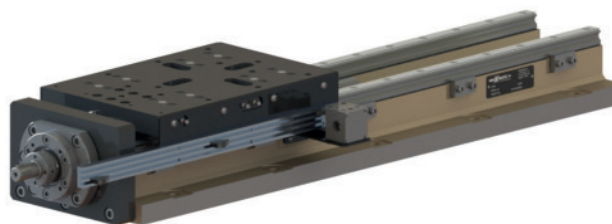
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018





SL45E.400

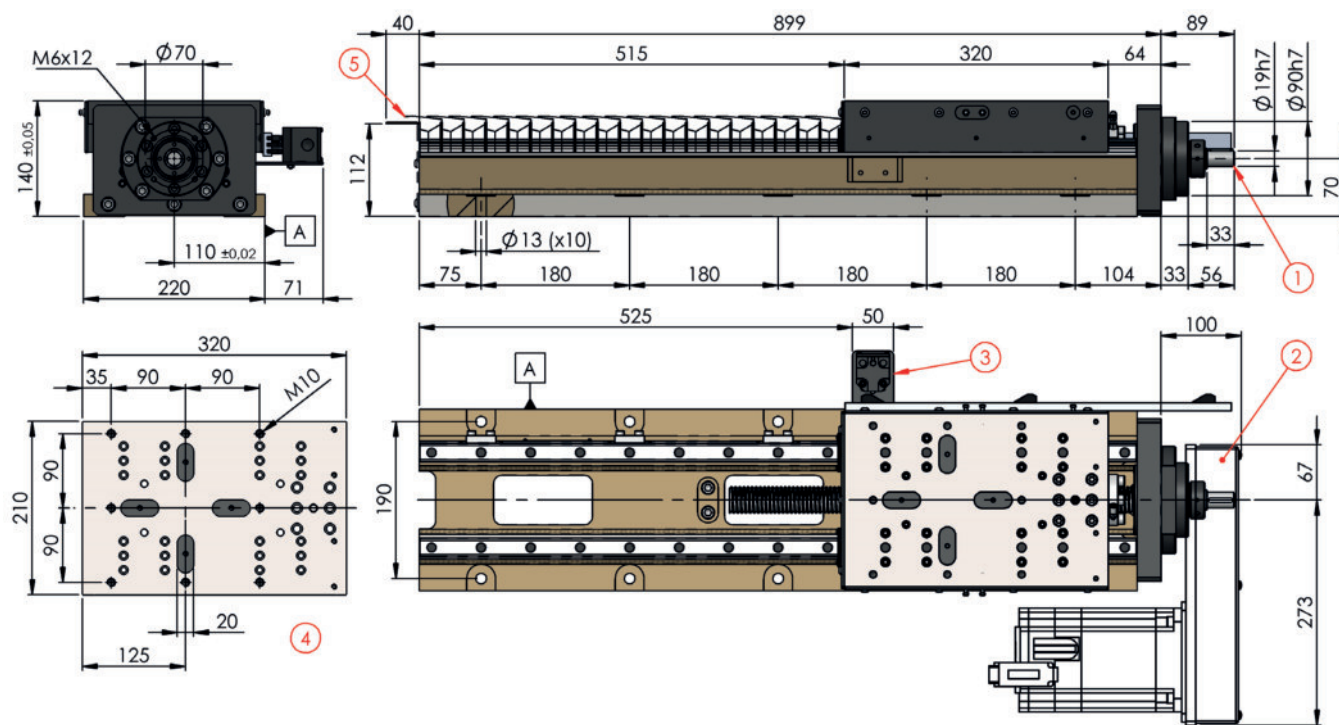
Feed Avanzamento	ball screw $\varnothing 32 \times 5$ vite a sfere $\varnothing 32 \times 5$
Stroke Corsa	400 mm 400 mm
Max thrust Spinta massima	9000 N 920 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 9,0 N ratio/rapporto 1:2 max 4,5 N

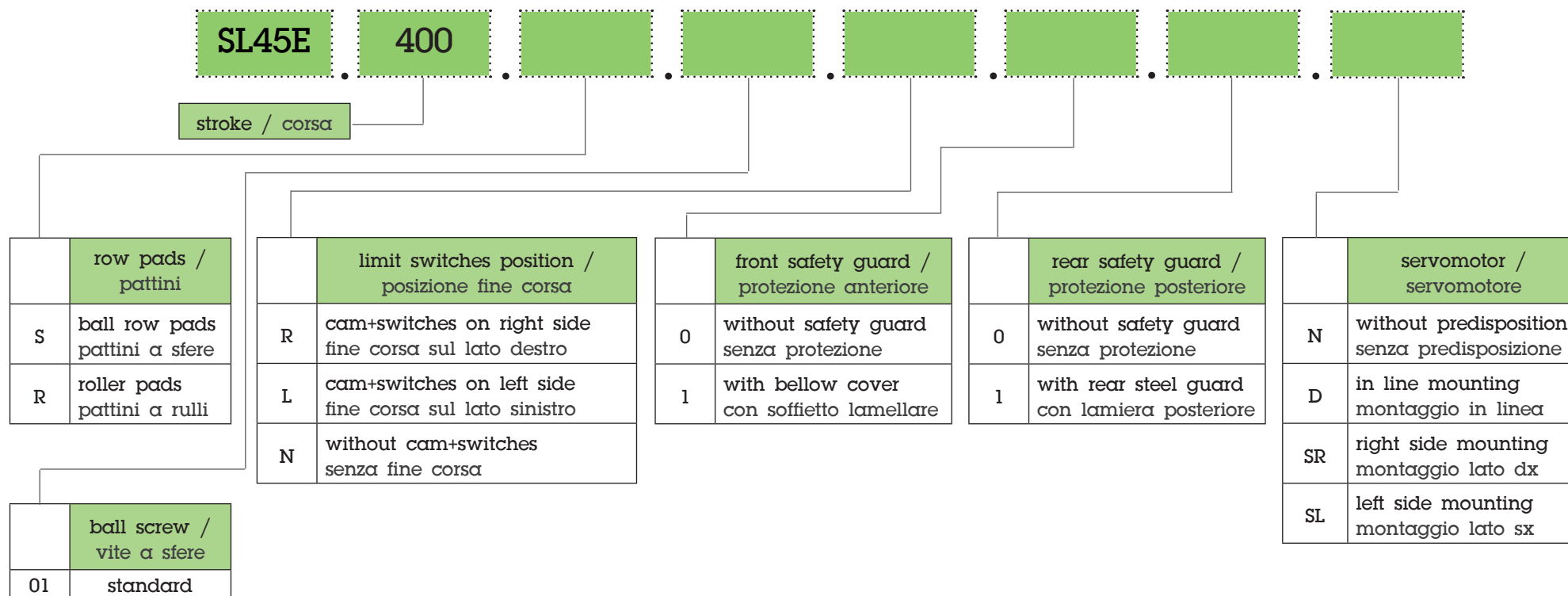


- CNC slide unit with ball row pads size 25.
On request roller pads.
- Ball screw $\varnothing 32 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 4,5N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 9,0N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU45 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 95 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 25.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 32 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 4,5N) con cinghia HTD rapporto 1:2 (2) o in linea (max 9,0N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU45 (4).
- Su richiesta soffiato lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 95 Kg.



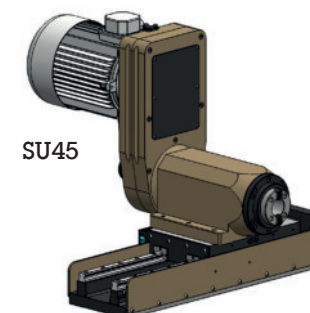
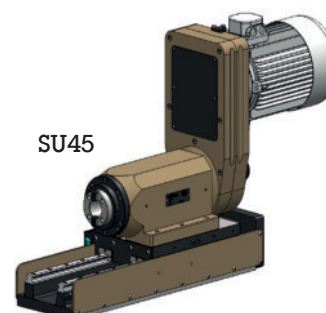
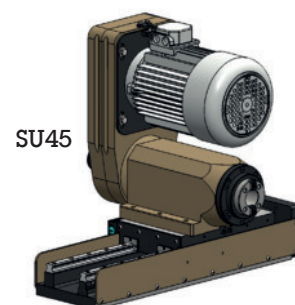
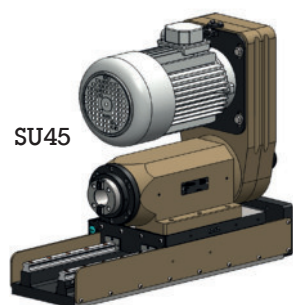


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

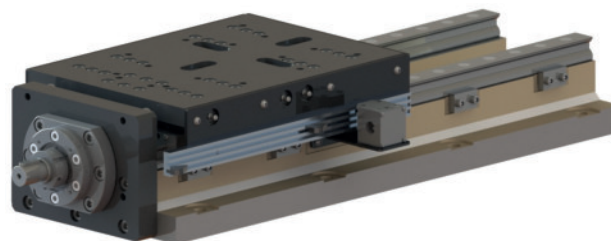
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018





SL50E.250

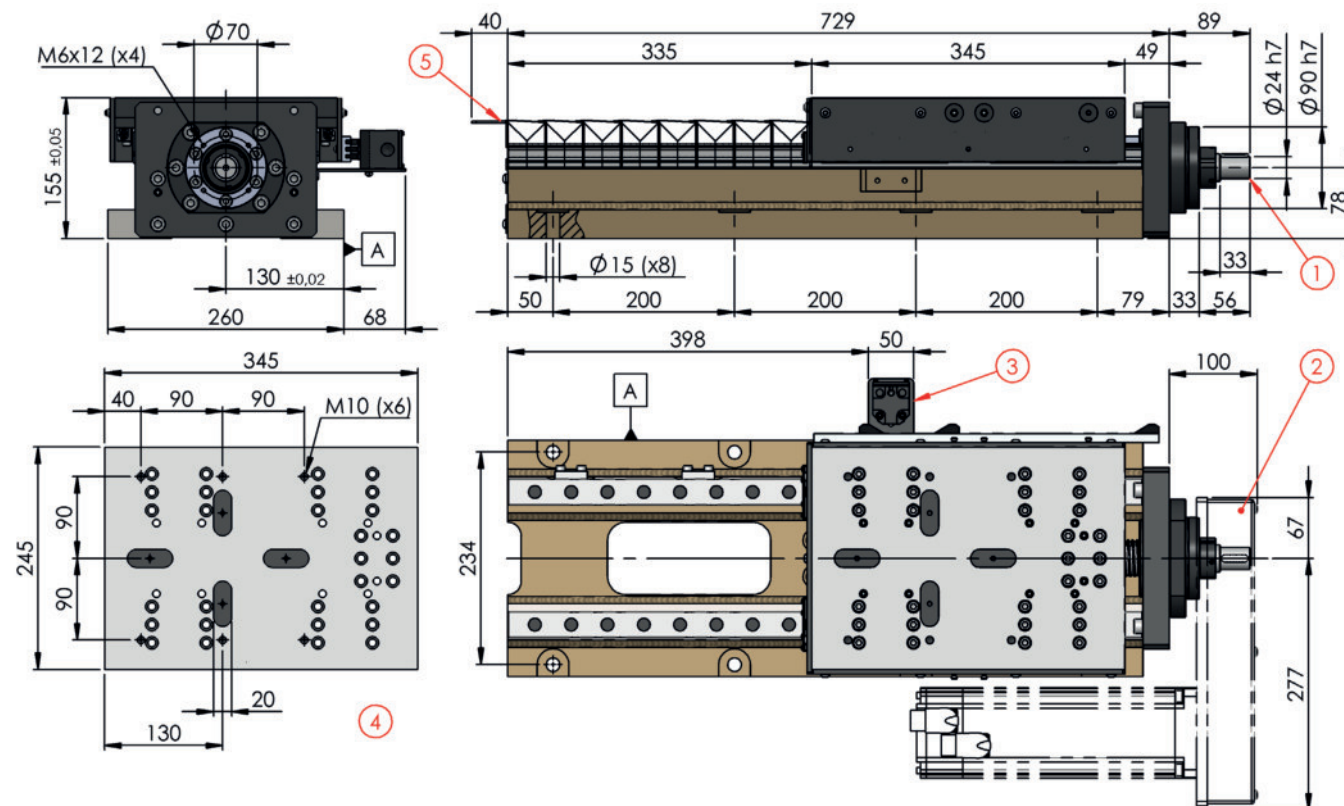
Feed Avanzamento	ball screw $\varnothing 40 \times 5$ vite a sfere $\varnothing 40 \times 5$
Stroke Corsa	250 mm
Max thrust Spinta massima	21000 N 2140 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 20 N ratio/rapporto 1:2 max 10 N

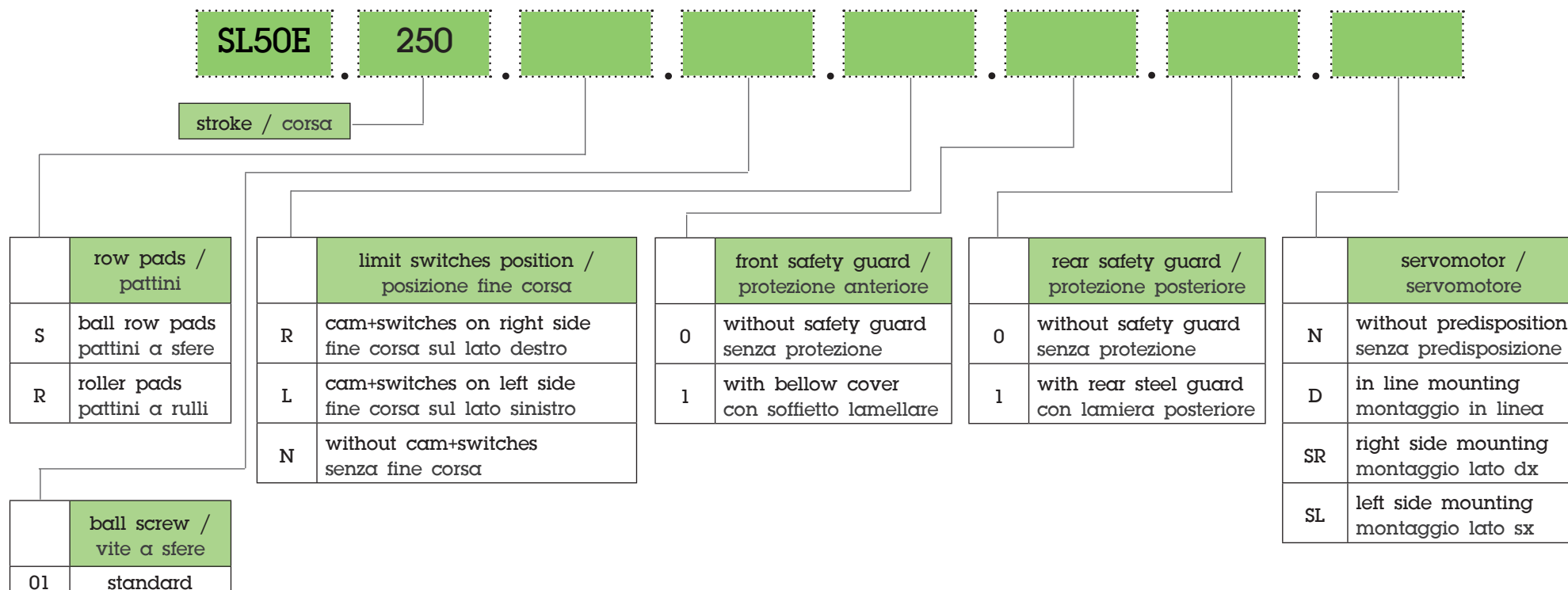


- CNC slide unit with ball row pads size 30.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 10N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 20N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU45 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 110 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 30.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 10N) con cinghia HTD rapporto 1:2 (2) o in linea (max 20N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU45 (4).
- Su richiesta soffiato lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 110 Kg.



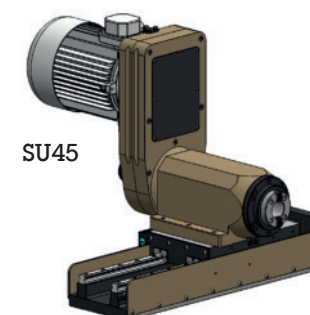
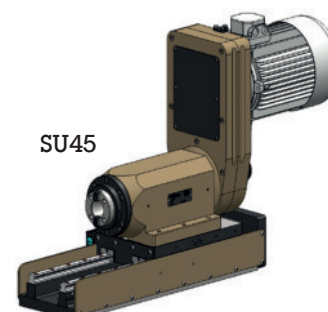
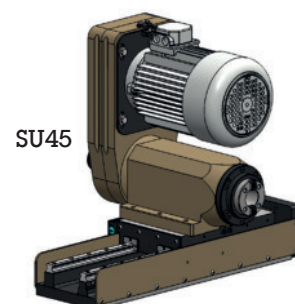
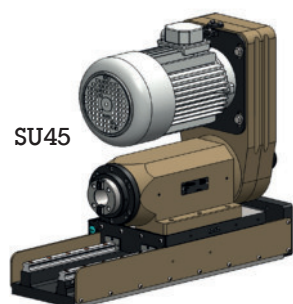


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

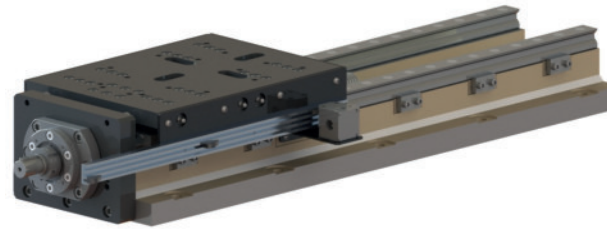




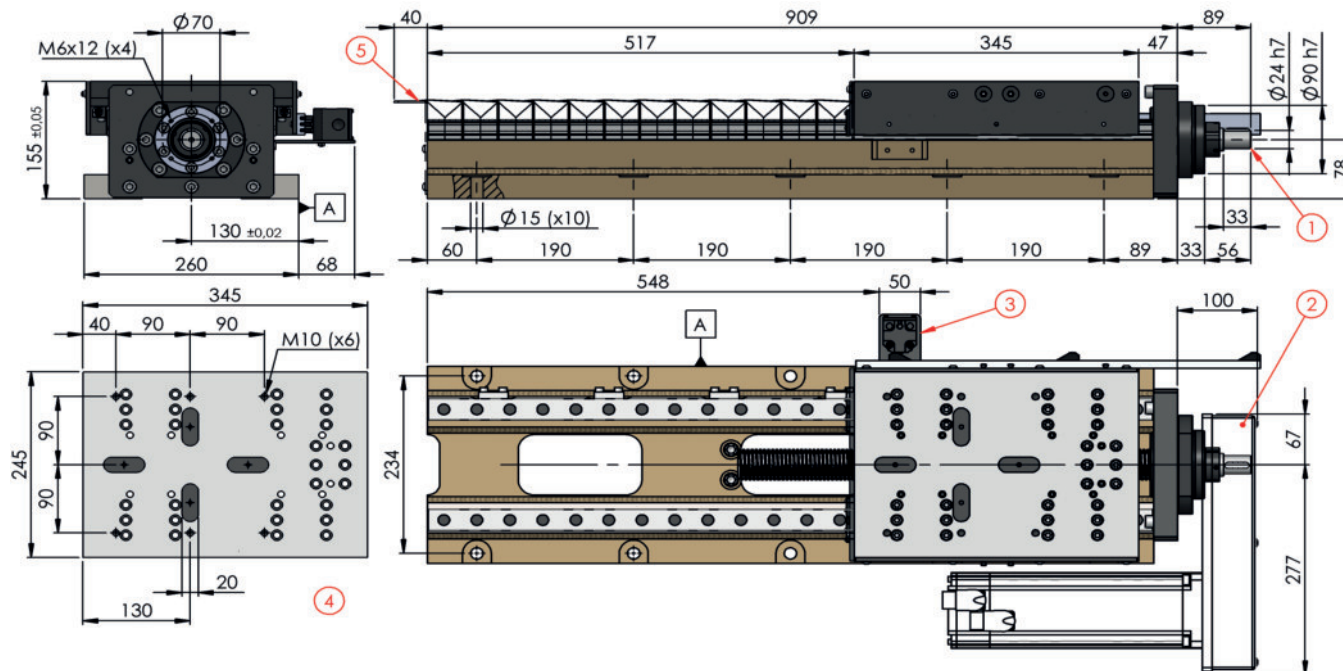
slitte di avanzamento

SL50E.400

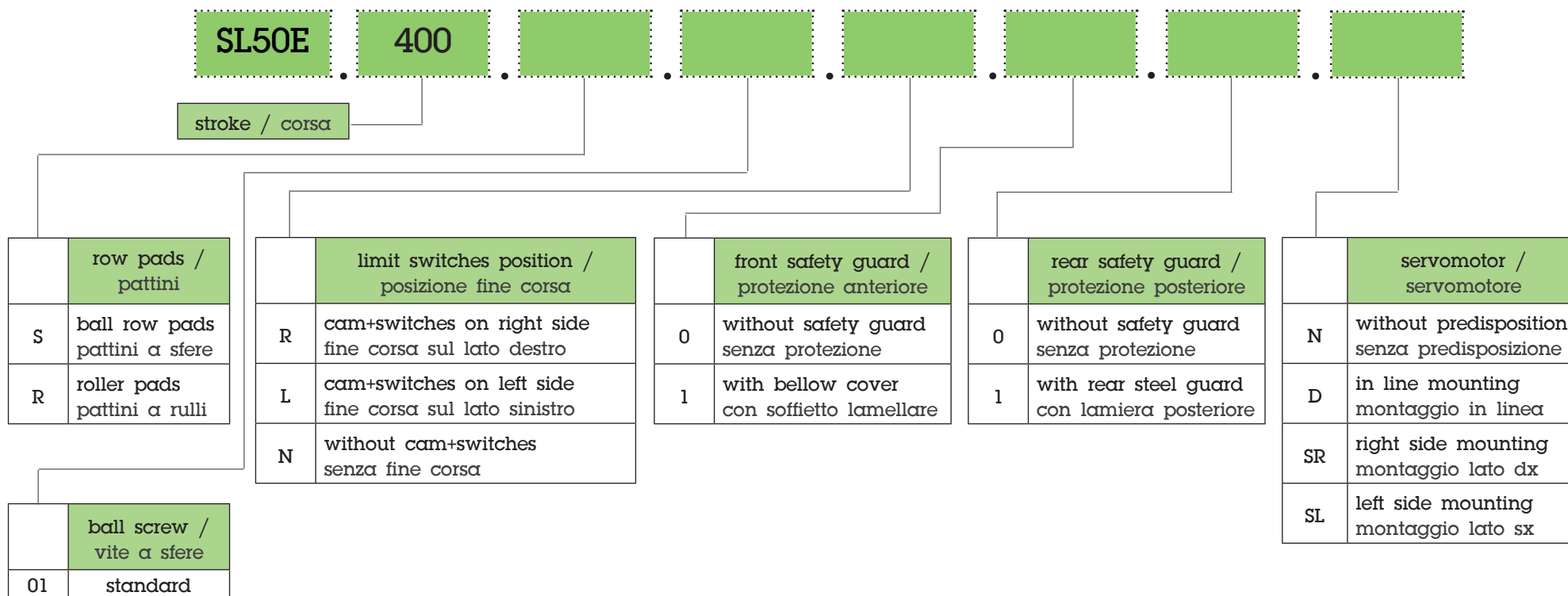
Feed Avanzamento	ball screw ø40x5 vite a sfere ø40x5
Stroke Corsa	400 mm 400 mm
Max thrust Spinta massima	21000 N 2140 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 20 N ratio/rapporto 1:2 max 10 N



- CNC slide unit with ball row pads size 30.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 10N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 20N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU45 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 130 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 30.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 10N) con cinghia HTD rapporto 1:2 (2) o in linea (max 20N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU45 (4).
- Su richiesta soffietto lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 130 Kg.

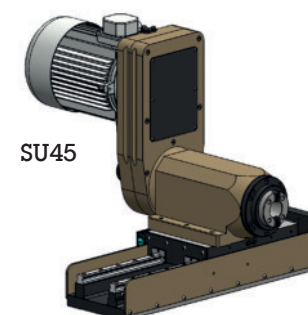
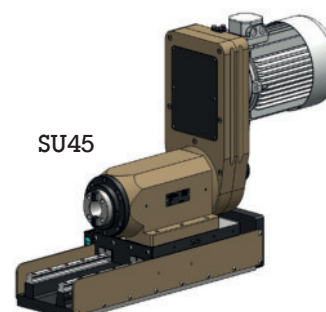
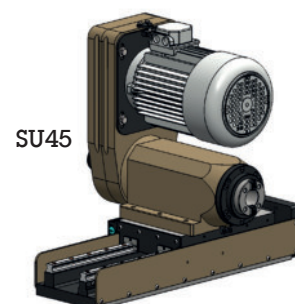
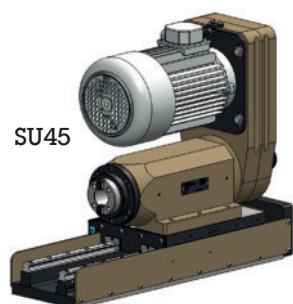


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018

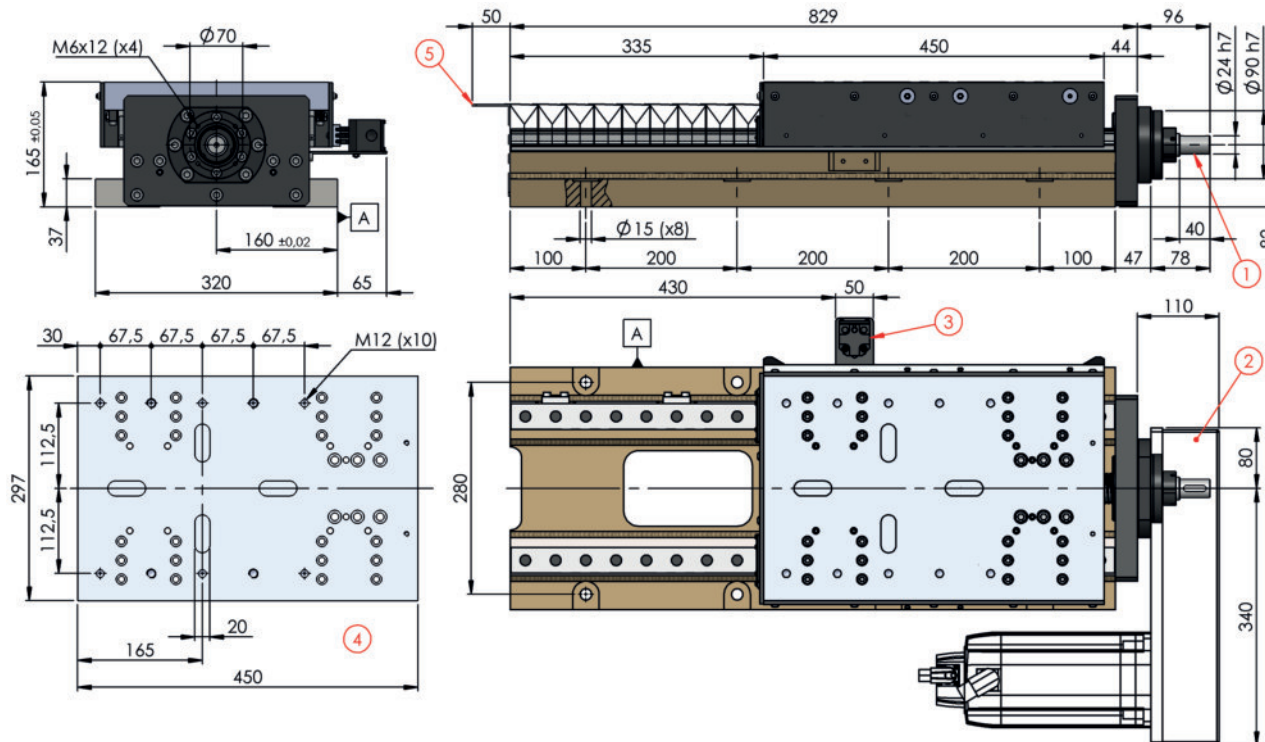
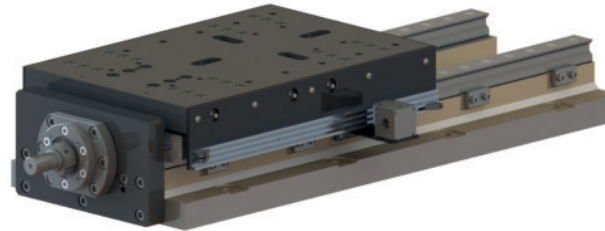




slitte di avanzamento

SL60E.250

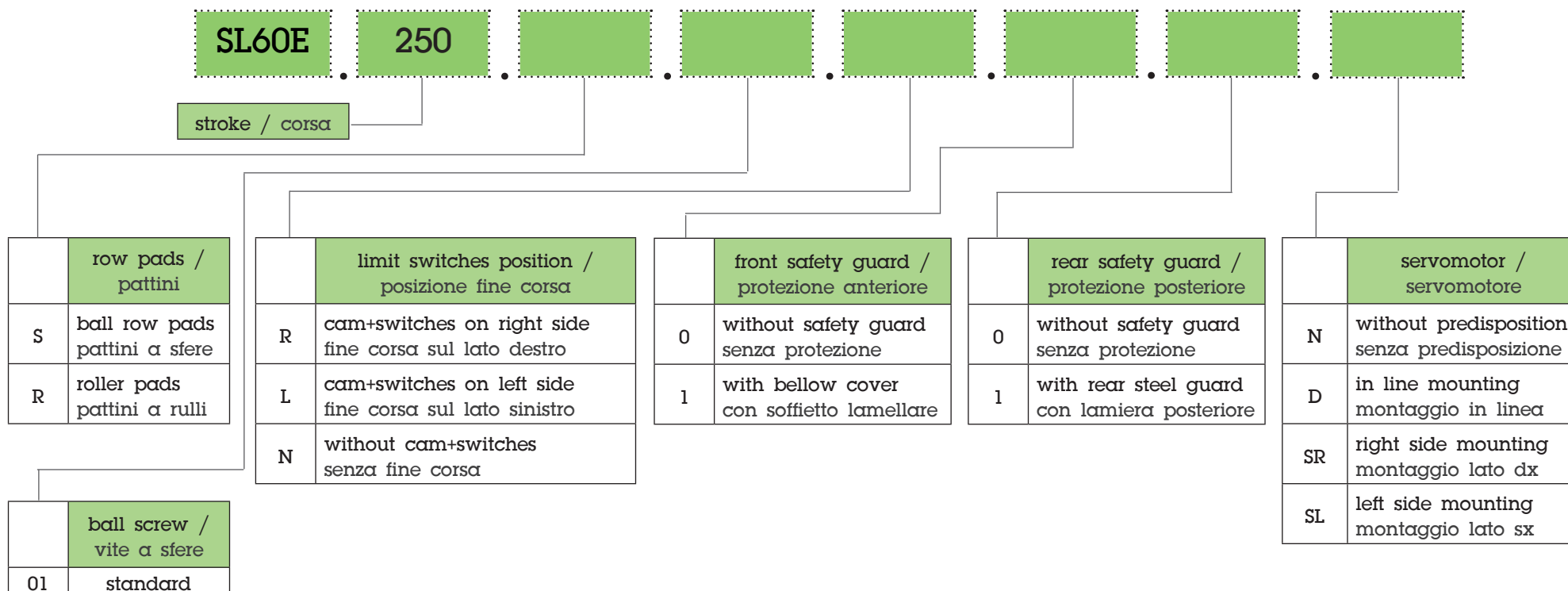
Feed Avanzamento	ball screw ø40x5 vite a sfere ø40x5
Stroke Corsa	250 mm 250 mm
Max thrust Spinta massima	21000 N 2140 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 20 N ratio/rapporto 1:2 max 10 N



- CNC slide unit with ball row pads size 35.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 10N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 20N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU60 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 160 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 35.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 10N) con cinghia HTD rapporto 1:2 (2) o in linea (max 20N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU60 (4).
- Su richiesta soffietto lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 160 Kg.

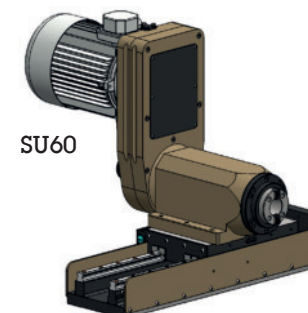
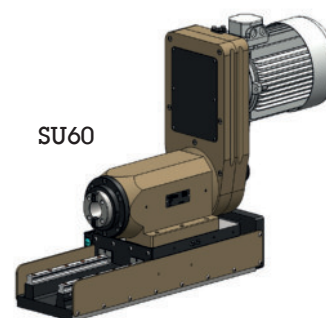
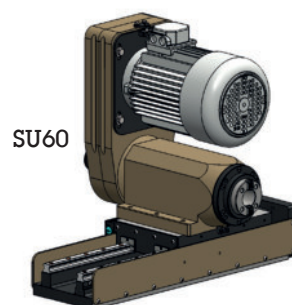
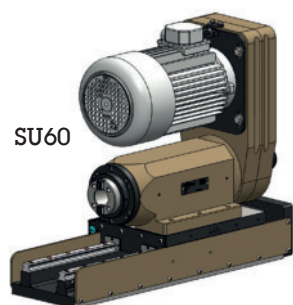


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



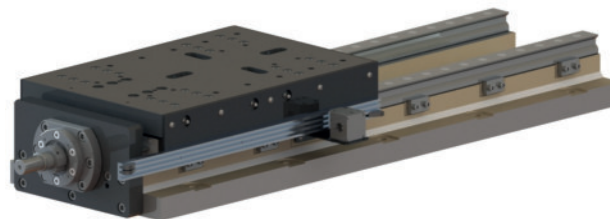
slide units



slitte di avanzamento

SL60E.400

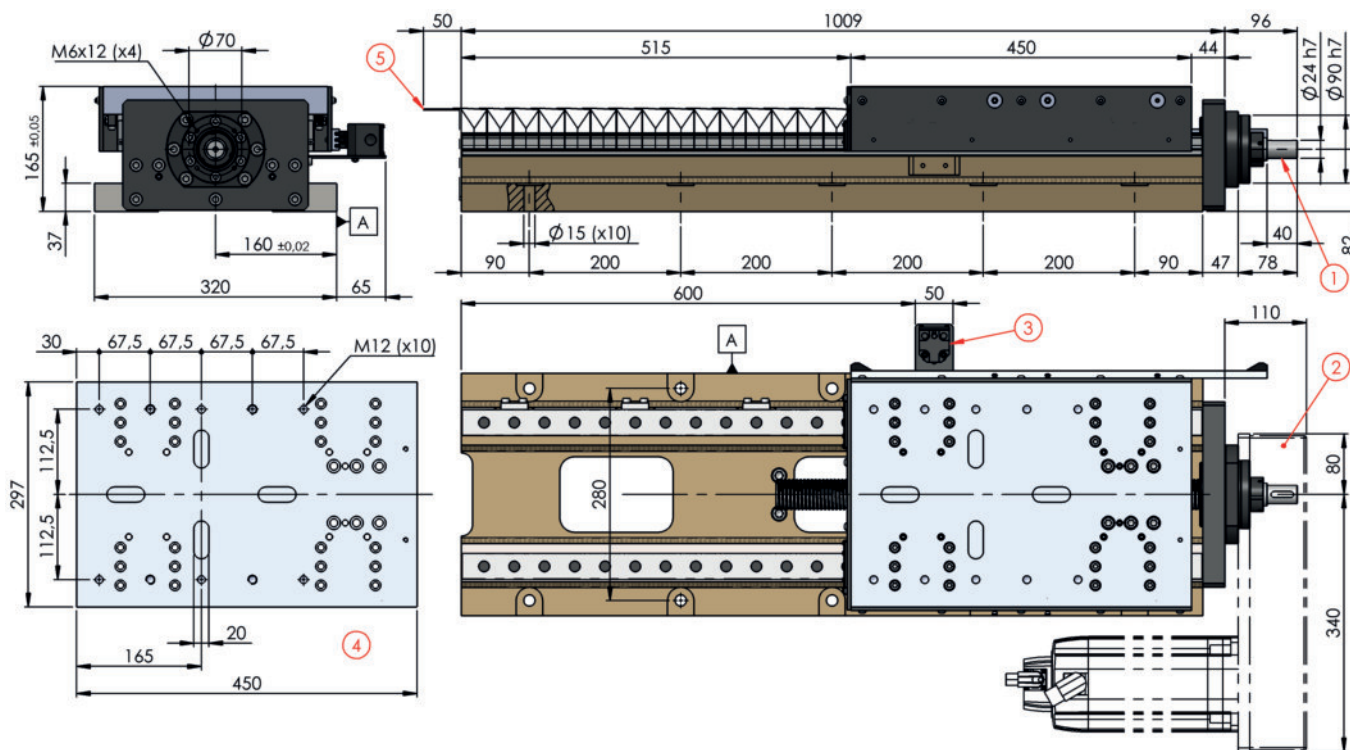
Feed Avanzamento	ball screw $\varnothing 40 \times 5$ vite a sfere $\varnothing 40 \times 5$
Stroke Corsa	400 mm
Max thrust Spinta massima	21000 N 2140 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 20 N ratio/rapporto 1:2 max 10 N

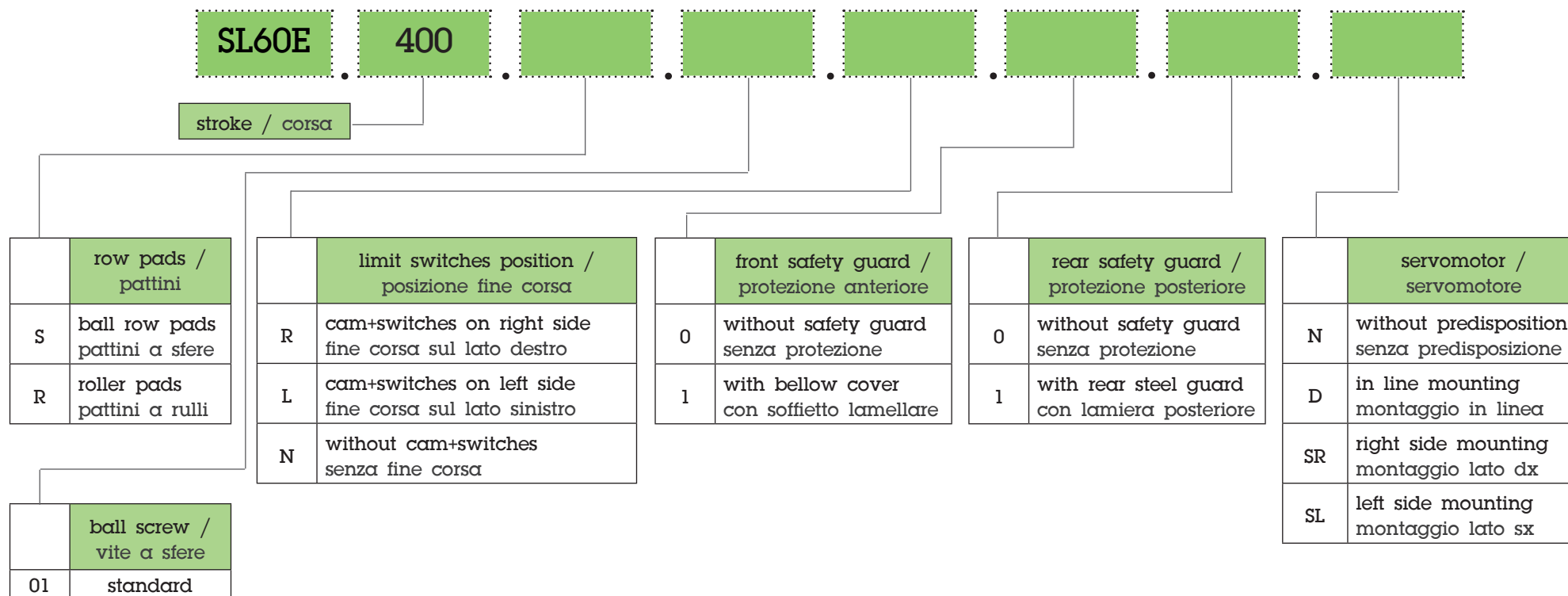


- CNC slide unit with ball row pads size 35.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 10N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 20N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- Prearranged to install unit SU60 (4).
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 180 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 35.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 10N) con cinghia HTD rapporto 1:2 (2) o in linea (max 20N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Predisposta per installazione mandrini SU60 (4).
- Su richiesta soffierto lamellare anteriore (5) e protezione posteriore in lamiera.
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 180 Kg.



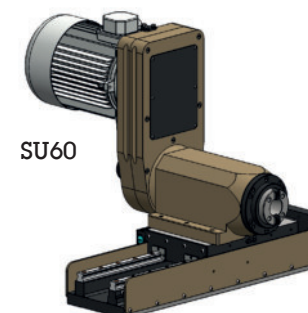
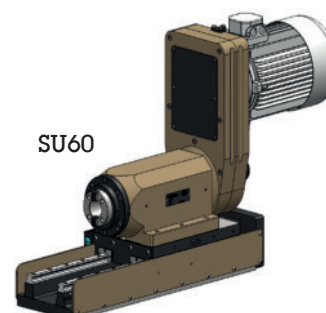
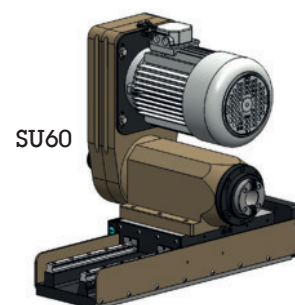
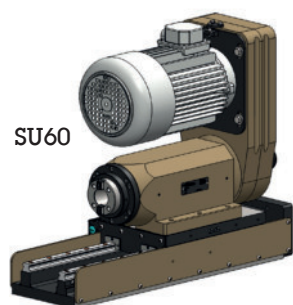


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

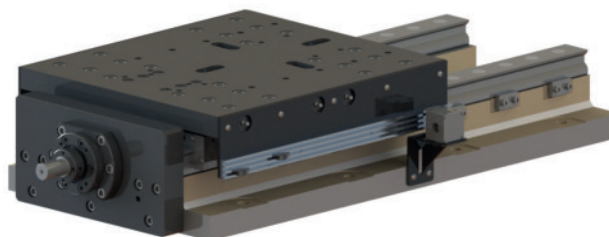
RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



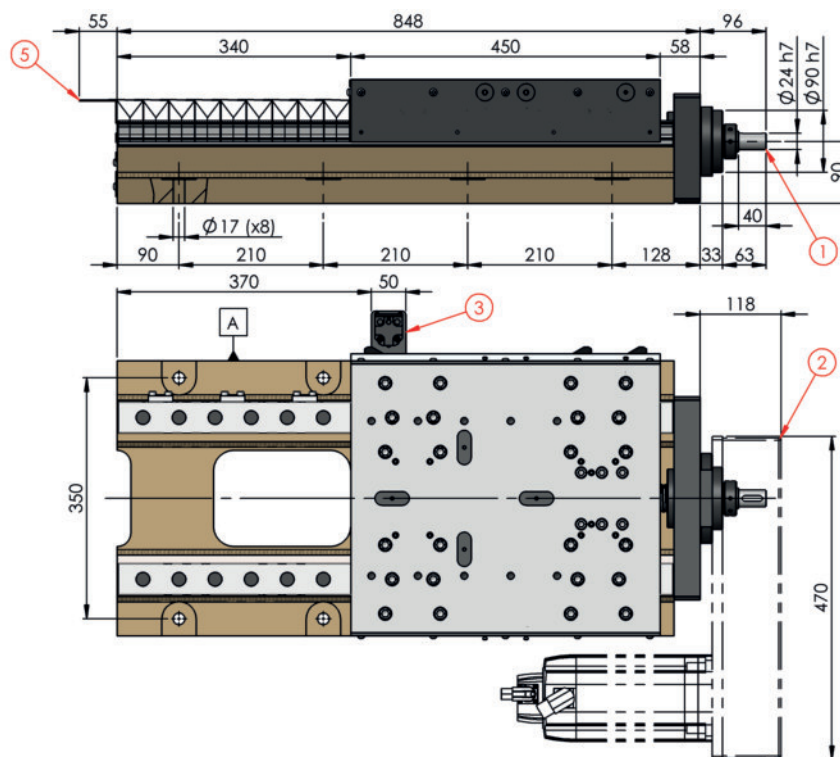
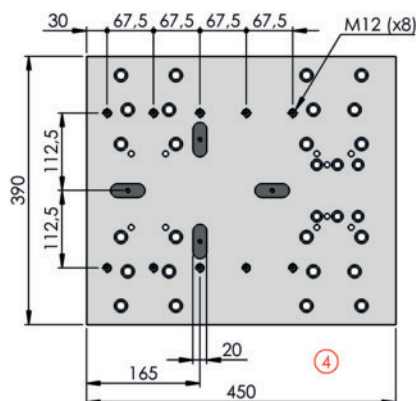
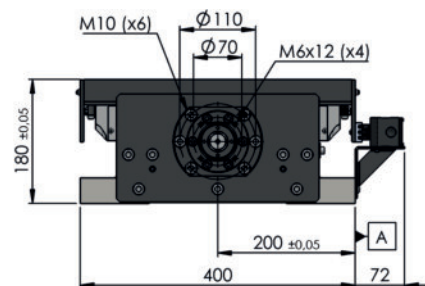


SL70E.250

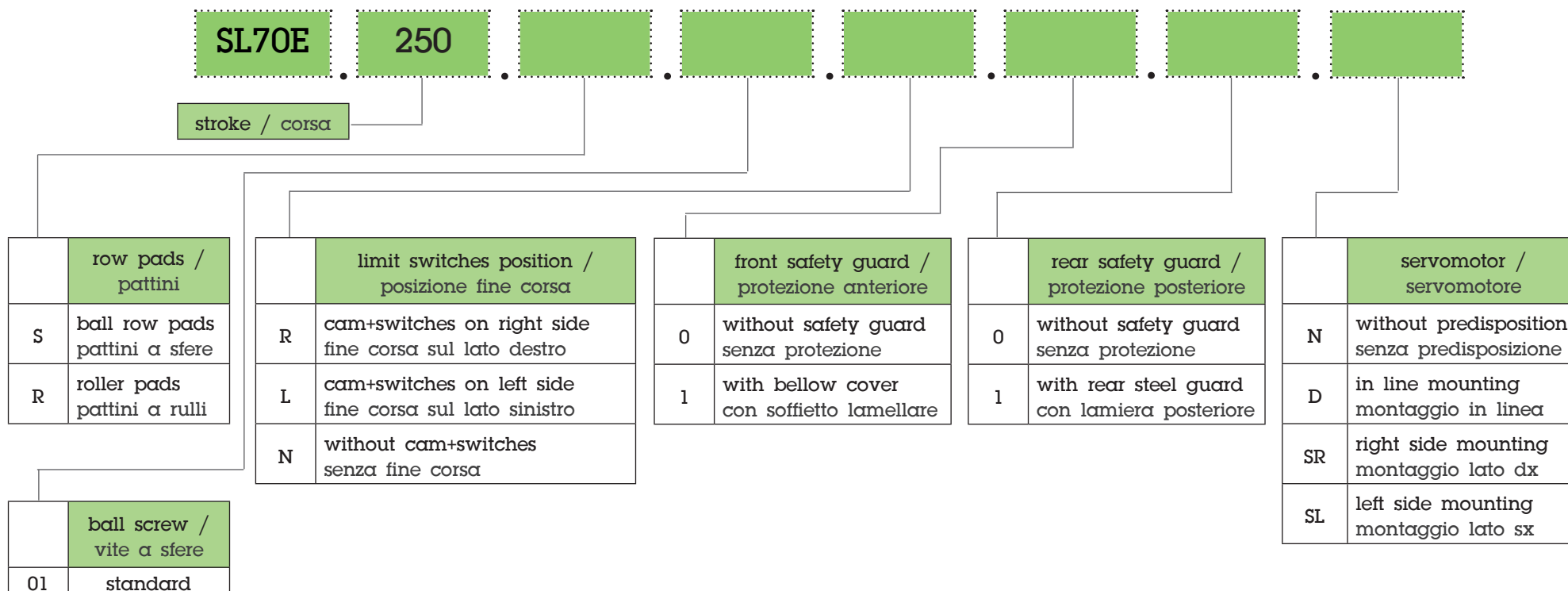
Feed Avanzamento	ball screw $\varnothing 40 \times 5$ vite a sfere $\varnothing 40 \times 5$
Stroke Corsa	250 mm 250 mm
Max thrust Spinta massima	29000 N 2950 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 30 N ratio/rapporto 1:2 max 15 N



- CNC slide unit with ball row pads size 45.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 15N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 30N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Prearranged to install unit SU60 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 215 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 45.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 15N) con cinghia HTD rapporto 1:2 (2) o in linea (max 30N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Su richiesta soffietto lamellare anteriore (5) e protezione posteriore in lamiera.
- Predisposta per installazione mandrini SU60 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 215 Kg.

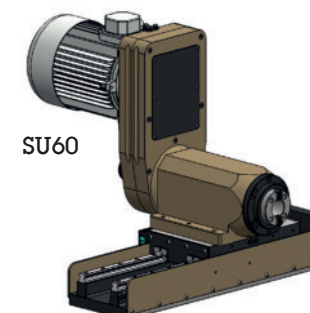
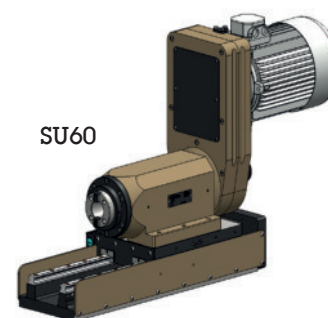
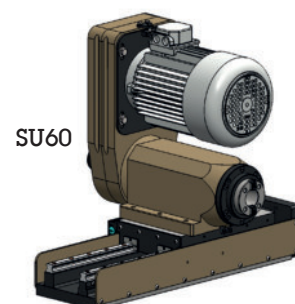
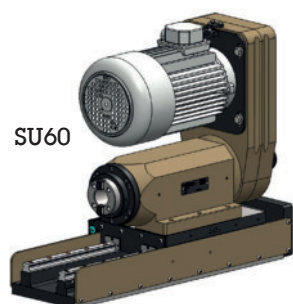


STANDARD COLOR

RAL 1001

OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



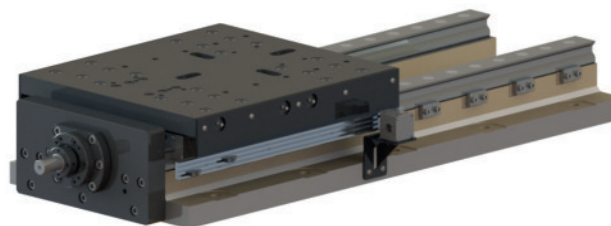
slide units



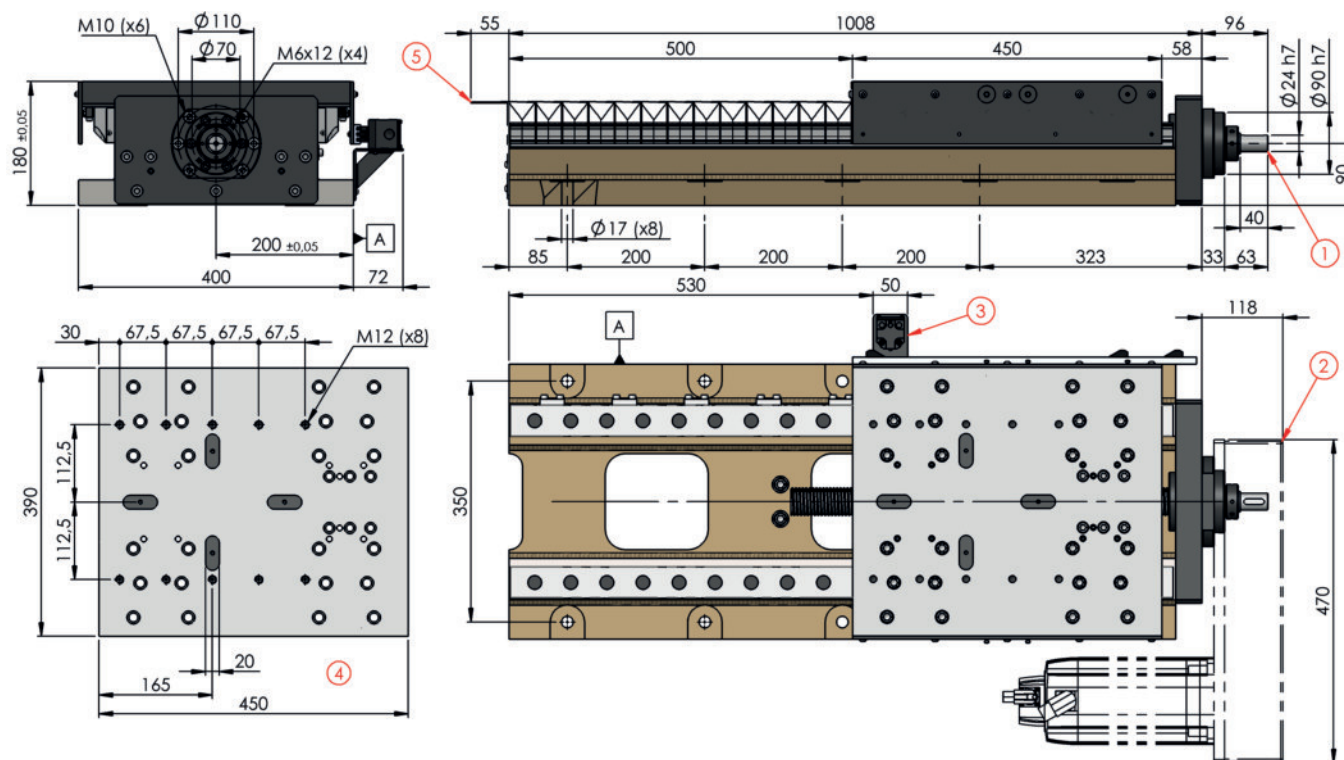
slitte di avanzamento

SL70E.400

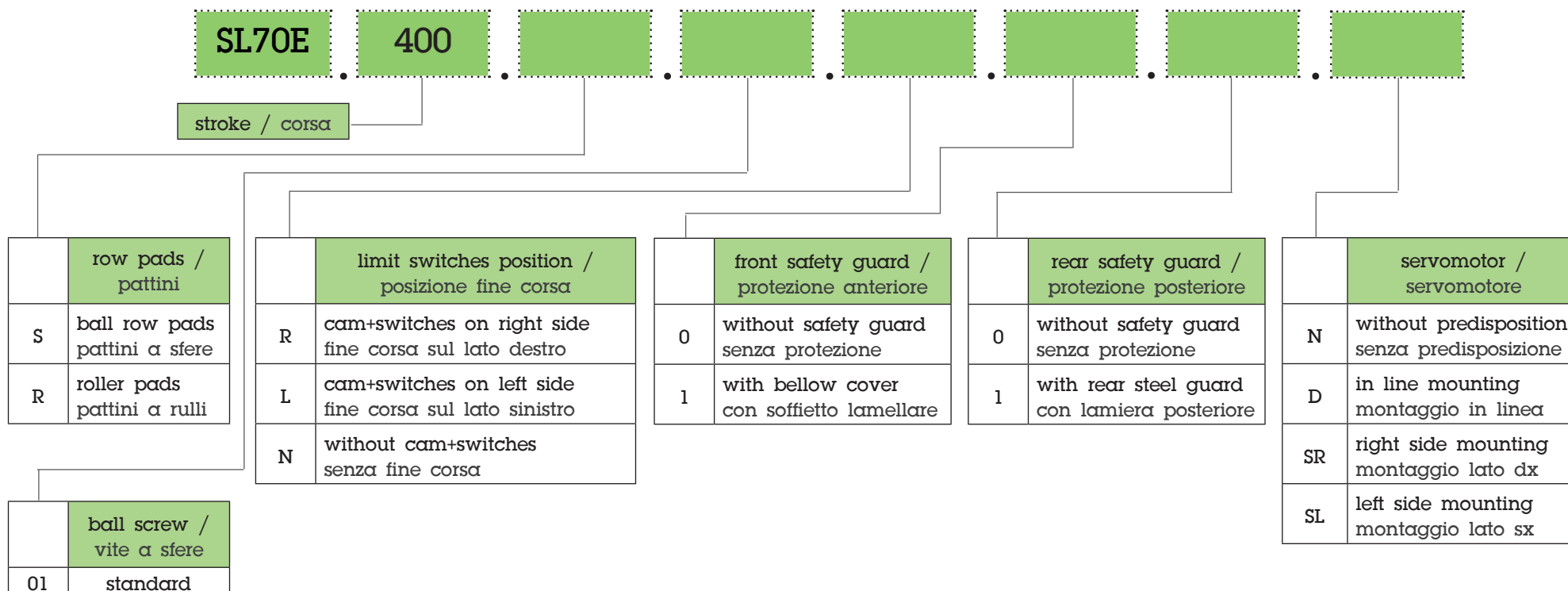
Feed Avanzamento	ball screw $\varnothing 40 \times 5$ vite a sfere $\varnothing 40 \times 5$
Stroke Corsa	400 mm 400 mm
Max thrust Spinta massima	29000 N 2950 Kg
Servomotor torque Coppia servomotore	ratio/rapporto 1:1 max 30 N ratio/rapporto 1:2 max 15 N



- CNC slide unit with ball row pads size 45.
On request roller pads.
- Ball screw $\varnothing 40 \times 5$ (1).
- Feed servomotor not supplied.
On request prearranged for customer's servomotor, side mounting (max 15N) with HTD toothed belt ratio 1:2 (2) or in line mounting (max 30N)
- 3 contacts limit switches (3). Standard on right side, on request on left side.
- On request: front bellow cover with lamellas (5) and rear steel guard.
- Prearranged to install unit SU60 (4).
- Standard color: Beige RAL 1001.
Other colors on request.
- Weight from 245 Kg.



- Unità di avanzamento CNC con pattini a ricircolo di sfere taglia 45.
Su richiesta pattini a rulli.
- Vite a ricircolo di sfere $\varnothing 40 \times 5$ (1).
- Servomotore avanzamento non fornito.
Su richiesta predisposizione servomotore cliente, laterale (max 15N) con cinghia HTD rapporto 1:2 (2) o in linea (max 30N).
- Fine corsa di posizione a 3 contatti (3).
Standard su lato destro, a richiesta su lato sinistro.
- Su richiesta soffietto lamellare anteriore (5) e protezione posteriore in lamiera.
- Predisposta per installazione mandrini SU60 (4).
- Colore standard: Beige RAL 1001.
Altri colori su richiesta.
- Peso da 245 Kg.

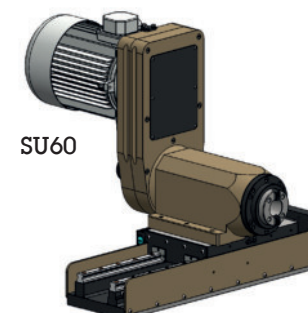
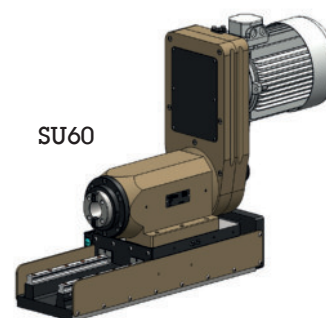
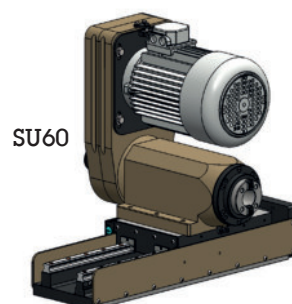
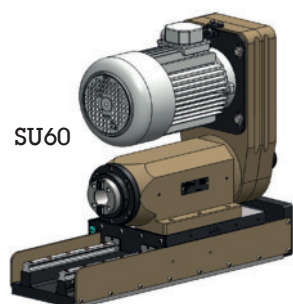


STANDARD COLOR

RAL 1001

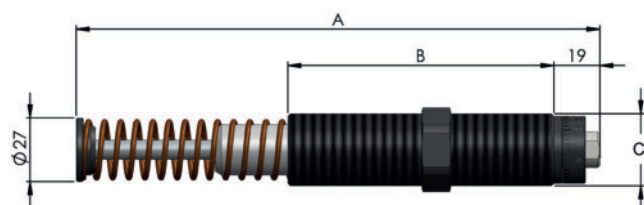
OPTIONAL COLORS

RAL 1013	RAL 3028
RAL 1023	RAL 5015
RAL 2003	RAL 6018



hydrochecks

regolatori idraulici



Suitable for feed control of pneumatic units. Closed hydraulic circuit. Spring return.

On request "Skip" function for pipe drilling.

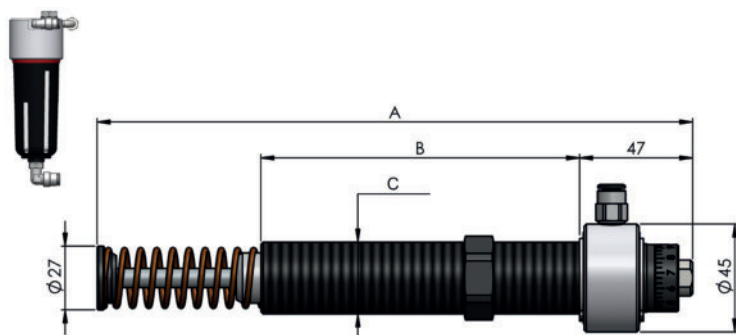
Per il controllo della velocità di avanzamento delle unità pneumatiche. Circuito idraulico chiuso. Ritorno a molla.

Su richiesta versione con funzione "Skip" per foratura tubi.

serie H - Adjustable feed control hydrochecks

Regolatori idraulici di avanzamento

type modello	stroke corsa mm	strenght spinta max. N	feeding speed velocità avanzamento m/min	return time tempo di ritorno sec.	weight peso Kg	A	B	C
45H	45	6000	0,02 - 3,00	0,30	0,6	219	111	M30x1
75H	75	5000	0,02 - 3,00	0,45	0,8	294	161	M30x1
100H	100	4000	0,02 - 3,00	1	0,9	350	167	M30x1
102H	100	6000	0,02 - 3,00	1,20	1,5	360	192	M36x1



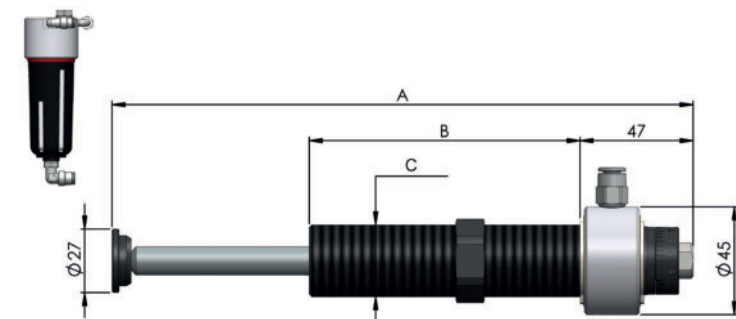
Suitable for feed control of pneumatic units. Hydraulic circuit with external oil bowl. Spring return.

Per il controllo della velocità di avanzamento delle unità pneumatiche. Circuito idraulico con serbatoio esterno. Ritorno a molla.

serie HS - Adjustable feed control hydrochecks with external oil bowl

Regolatori idraulici di avanzamento con serbatoio esterno

type modello	stroke corsa mm	strenght spinta max. N	feeding speed velocità avanzamento m/min	return time tempo di ritorno sec.	weight peso Kg	A	B	C
45HS	45	6000	0,02 - 3,00	0,30	0,75	249	133	M30x1
75HS	75	5000	0,02 - 3,00	0,45	0,85	294	133	M30x1
100HS	100	4000	0,02 - 3,00	1	0,95	350	139	M30x1



Suitable for feed control of pneumatic units. Hydraulic circuit with external oil bowl. Pneumatic return by compressed air at 6 bar.

It can be used for peek feed control for drilling deep more than 5-6 times their diameter.

Per il controllo della velocità di avanzamento delle unità pneumatiche. Circuito idraulico con serbatoio esterno. Ritorno pneumatico con aria compressa a 6 bar. Può essere utilizzato per lo scarico dei trucioli nelle forature profonde 5-6 volte il loro diametro.

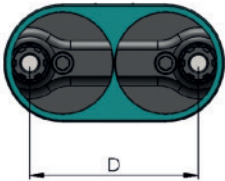
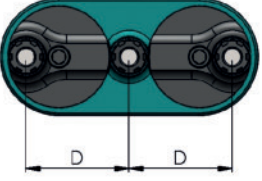
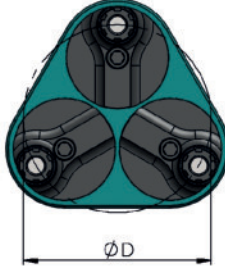
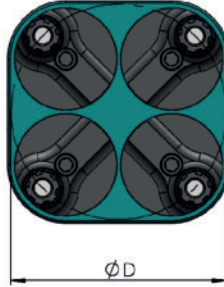
serie HP - Adjustable peck feed control hydrochecks

Regolatori idraulici di avanzamento per scarico trucioli

type modello	stroke corsa mm	strenght spinta max. N	feeding speed velocità avanzamento m/min	return time tempo di ritorno sec.	weight peso Kg	A	B	C
75HP	70	2500	0,02 - 3,00	0,60	0,80	243	113	M30x1
100HP	95	2500	0,02 - 3,00	0,85	0,90	295	139	M30x1
150HP	145	2500	0,02 - 3,00	1,50	1,10	395	189	M30x1

multispindle heads

teste multiple

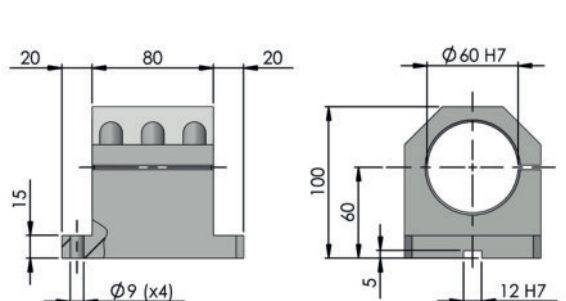
												
Drill / Tap	Type	D	Spindle	Type	D	Spindle	Type	ØD	Spindle	Type	ØD	Spindle
Ø5 / M4	VH 042	12 - 72	ER8	VH 043L	12 - 42	ER8	VH 043	18,5 - 78,5	ER8	VH 044	29,5 - 89,5	ER8
Ø7 / M5	VH 062	17 - 93	ER11 / Ø8	VH 063L	17,5 - 55,5	ER11 / Ø8	VH 063	27 - 103	ER11 / Ø8	VH 064	41 - 117	ER11 / Ø8
Ø10 / M6	VH 082	24 - 108	ER16 / Ø10	VH 083L	24 - 66	ER16 / Ø10	VH 083	36 - 120	ER16 / Ø10	VH 084	53,5 - 137,5	ER16 / Ø10
Ø12 / M8	VH 102	28 - 120	ER16 / Ø10	VH 103L	28 - 74	ER16 / Ø10	VH 103	40 - 132	ER16 / Ø10	VH 104	60 - 152	ER16 / Ø10
Ø14 / M12	VH 132	35 - 151	ER20 / Ø16	VH 133L	35 - 93	ER20 / Ø16	VH 133	51 - 167	ER20 / Ø16	VH 134	75 - 191	ER20 / Ø16
Ø20 / M14	VH 182	41 - 173	ER25 / Ø28	VH 183L	41 - 107	ER25 / Ø28	VH 183	59 - 191	ER25 / Ø28	VH 184	56 - 218	ER25 / Ø28

Other models on request / Altri modelli su richiesta

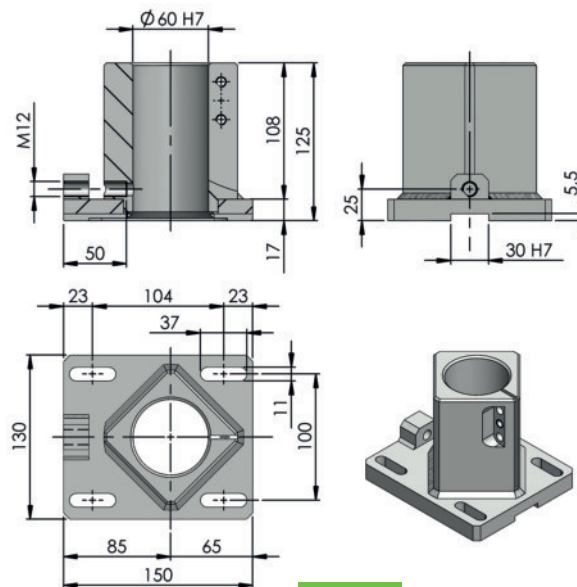


accessories series 10

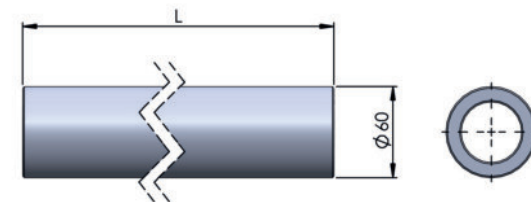
accessori serie 10



HB10

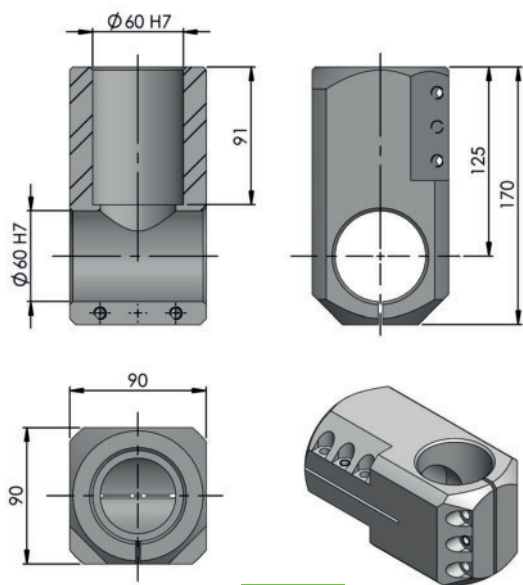


VB10

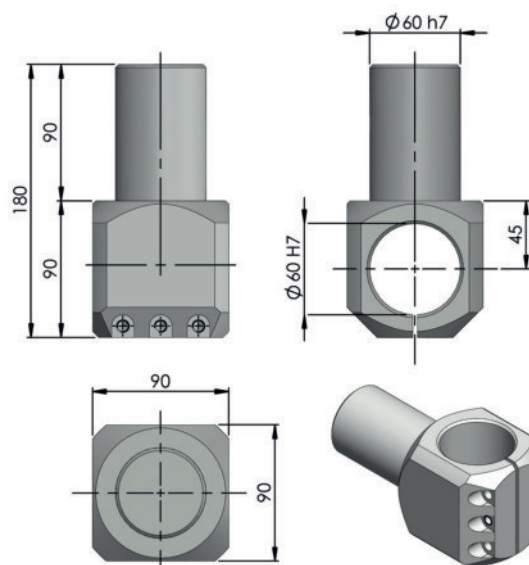


C10

L					
300	400	500	600	700	800



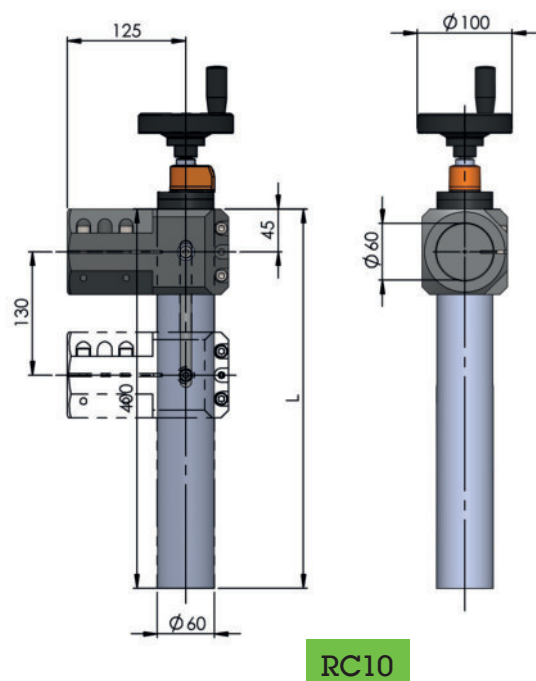
FB10



MB10

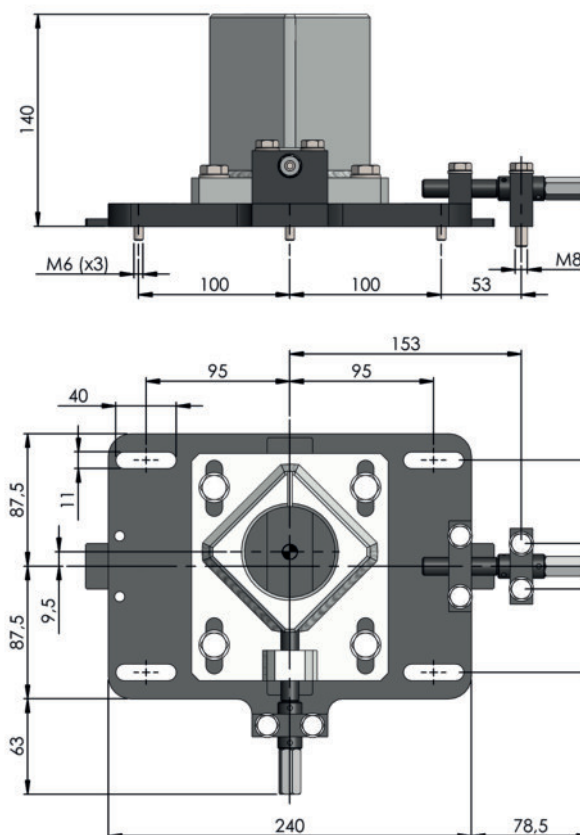
accessories series 10

accessori serie 10

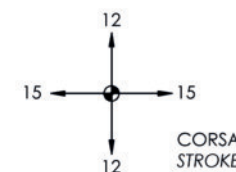
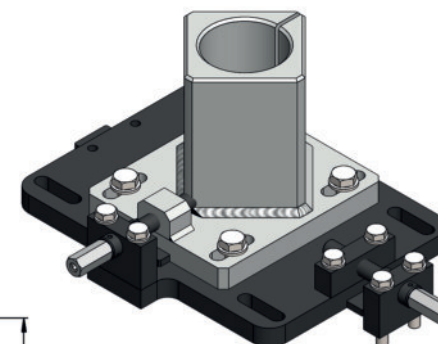


RC10

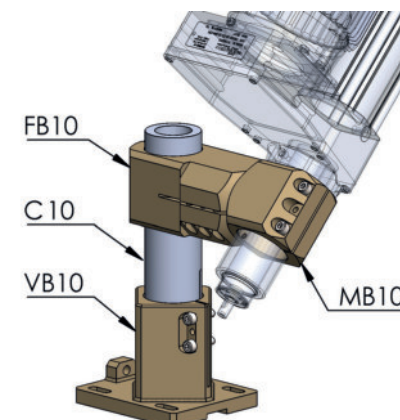
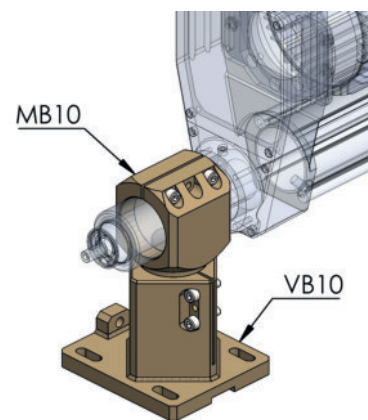
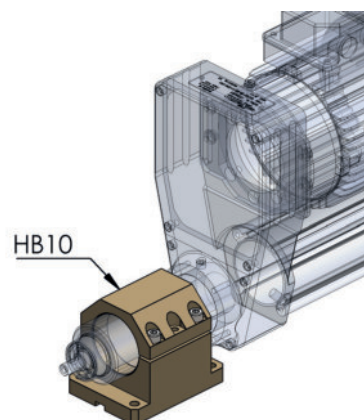
L					
300	400	500	600	700	800



RB10

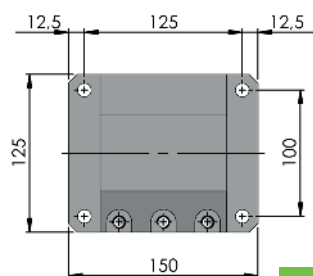
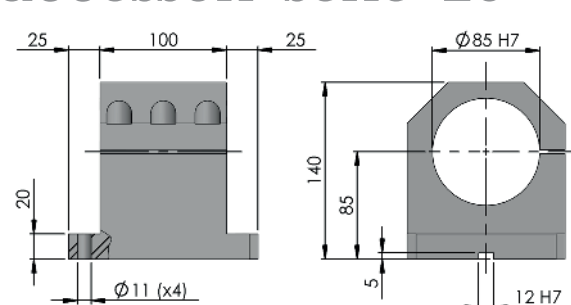


examples of application:
esempi di applicazione:

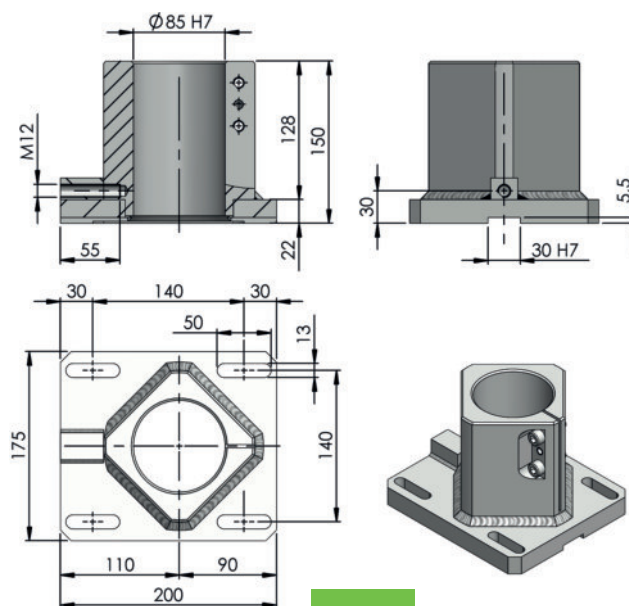


accessories series 20

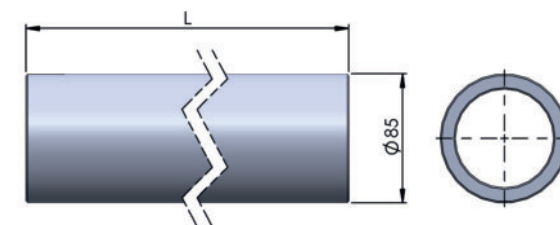
accessori serie 20



HB20

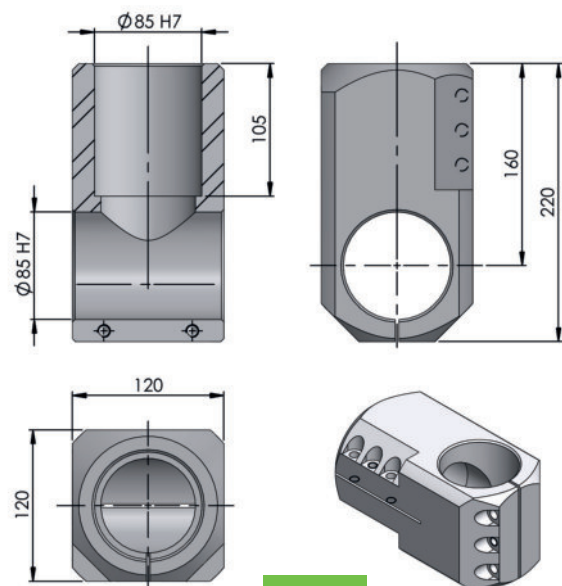


VB20

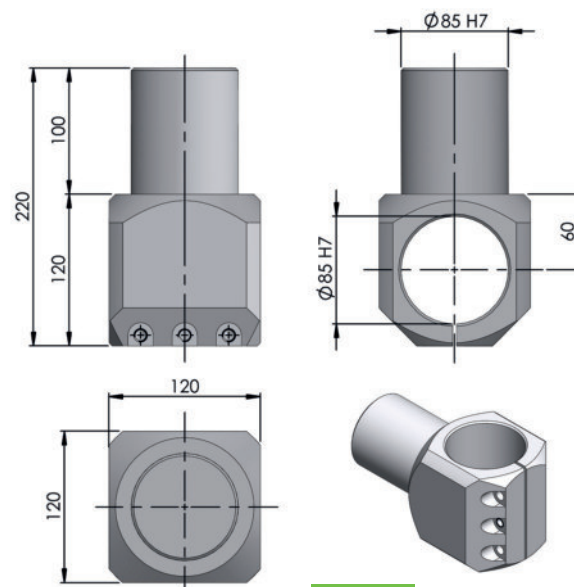


C20

L					
500	600	700	800	900	1000



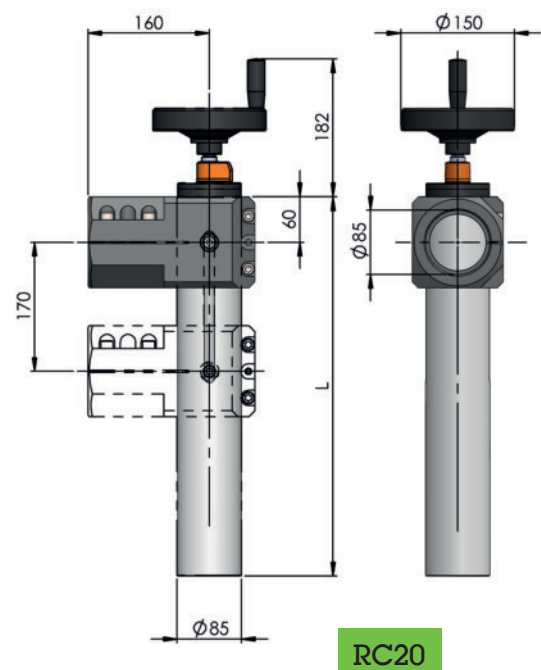
FB20



MB20

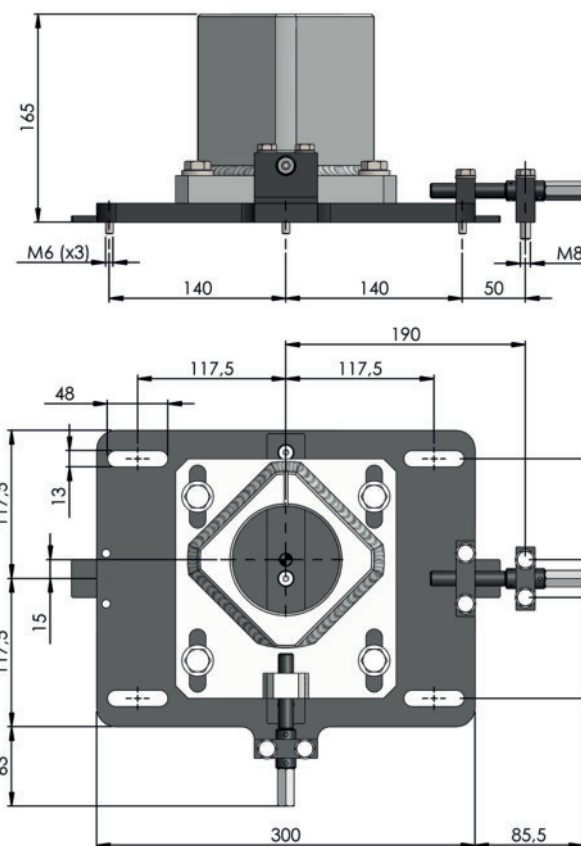
accessories series 20

accessori serie 20

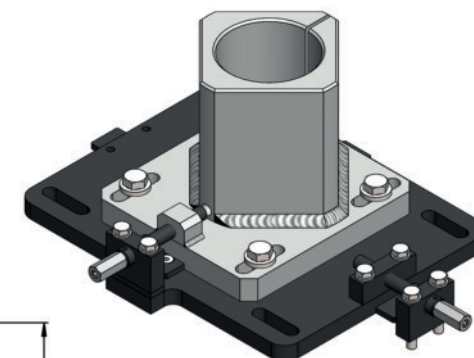


RC20

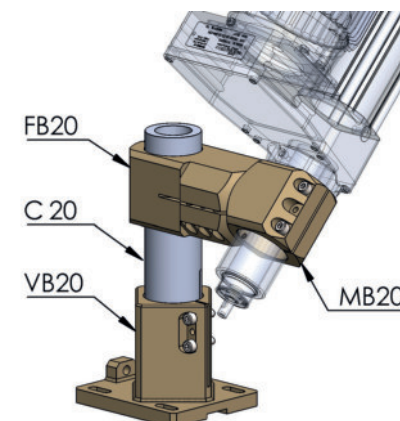
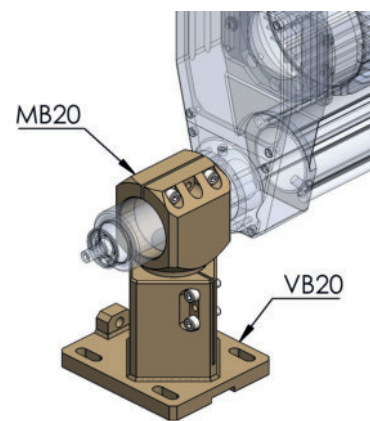
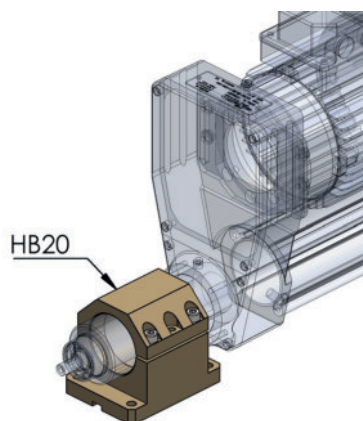
L					
500	600	700	800	900	1000



RB20



examples of application:
esempi di applicazione:



reservation of right to modification



This publication annuls and replaces every previous edition or revision.

MaxMatic reserves the right to make modifications without notice.

All data contained in this catalogue are purely indicative and not binding for our company.

The last version/revision is available online on the website www.maxmatic.it

riserva di modifica



Questa pubblicazione annulla e sostituisce ogni precedente edizione o revisione.

MaxMatic si riserva il diritto di apportare modifiche senza preavviso.

I dati contenuti in questo catalogo sono puramente indicativi e non vincolanti per la nostra azienda.

L'ultima edizione/revisione è consultabile online sul sito www.maxmatic.it

Edition 24/01



MAXMATIC srl
Via Pettarella, 2/M
40019 Sant'Agata Bolognese (BO) Italia
Tel. +39 051 957922
info@maxmatic.it - www.maxmatic.it



EDITION 24/01