

ELECTRO SPINDLE

Manual/Auto Tool Change Spindle



PRODUCTIVITY
SOLUTIONS

Kuvam's Phylosophy:

We at Kuvam Technologies believe in win-win-win relationship i.e.

WIN FOR CUSTOMER

WIN FOR TEAM

WIN FOR KUVAM

Kuvam's Mission:



OUR MISSION

“ Kuvam Technologies Pvt. Ltd is on a mission to help Indian manufacturer to manufacture world class products at very attractive prices by using technologies which will help them manufacture highly reliable products. “

Who we are:

We help Indian manufacturer to manufacture world class products at very attractive prices by supplying various mechatronics Product like CNC milling spindle, CNC turning spindle, grinding spindle, Electro spindle, Automatic Tool Changer, servo Turret, 2 axes head, Built in cylinder power chucks . Angle heads, hardened and ground rack & pinions and work holding solutions etc.

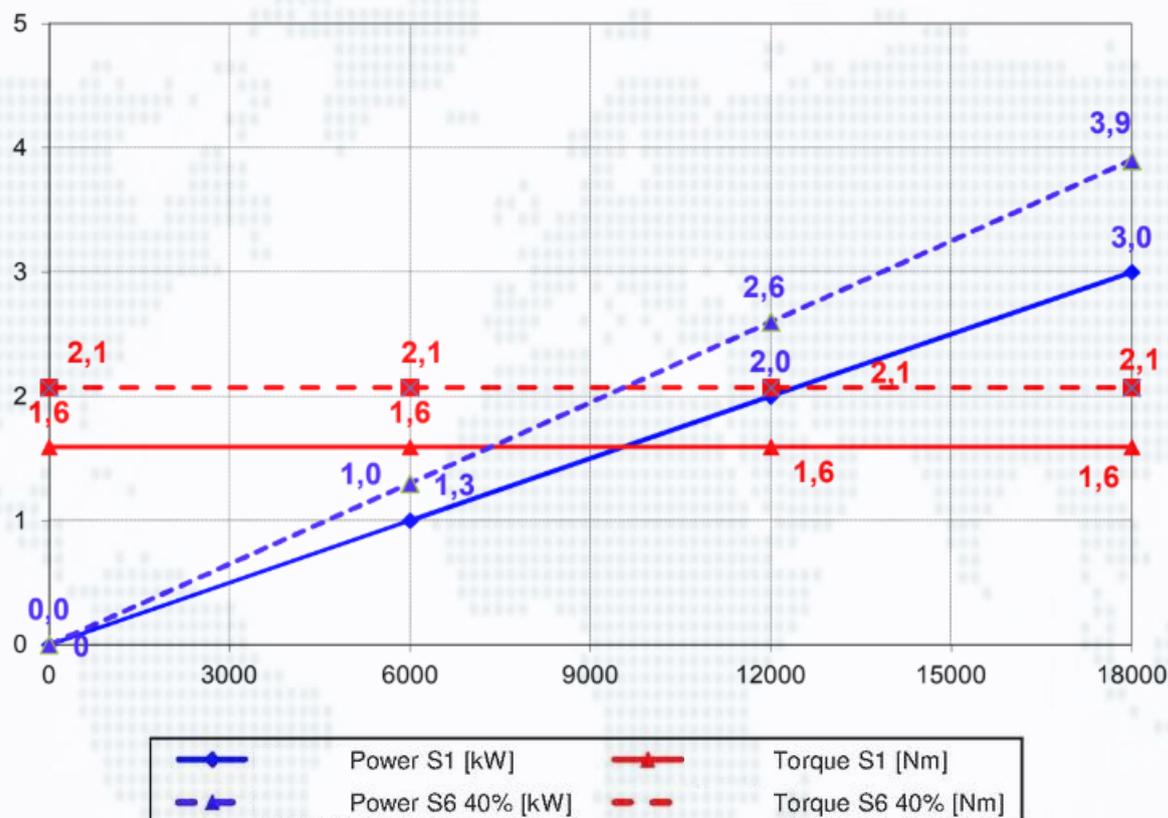
The products we offer are carefully selected, inspected on defined quality parameters by our quality controllers to make sure that they are free from all kinds of manufacturing defects.

The kind of customers who love our work are the ones who want to increase their productivity and improve their return on investment. Our products are very reliable and offer high value that provide peace of mind to our customers. Unlike, other supplier we believe in serving and not selling. We completely safeguard our customer's interest.

Electro Spindle:
QNI 3/18 18 ER32 DX
Code:
QN.200.A19.00

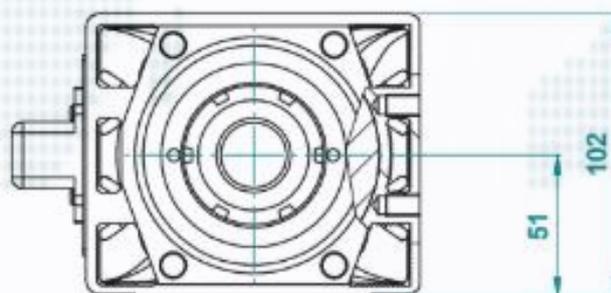
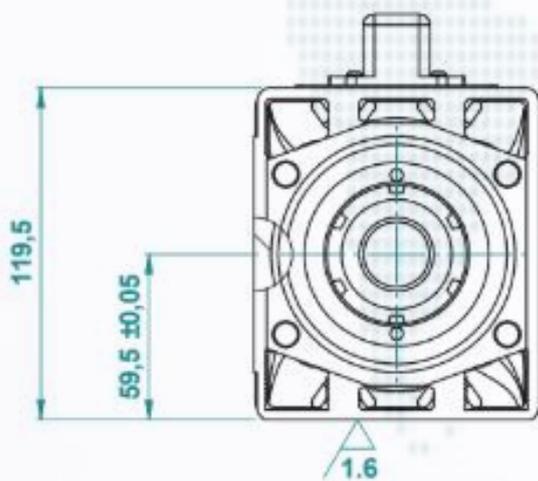
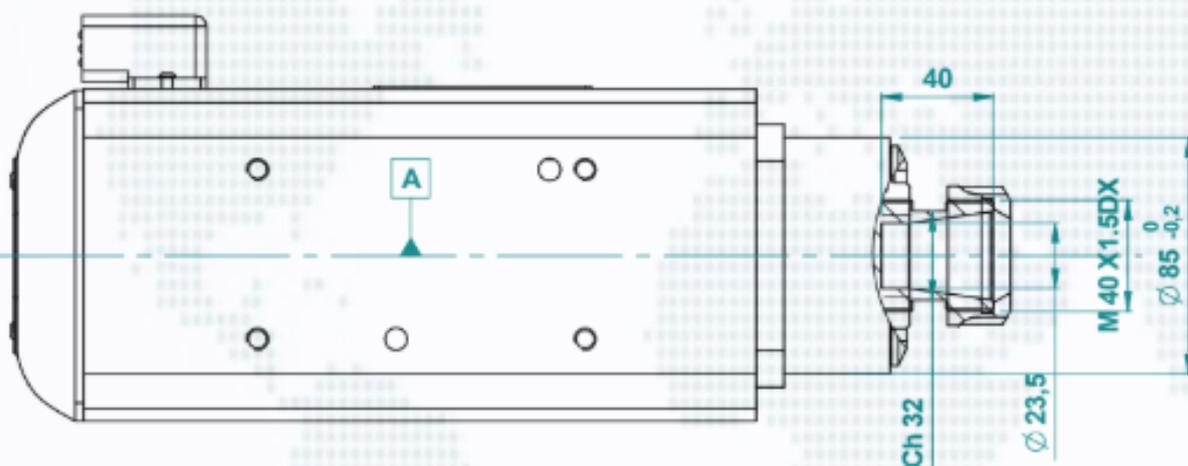
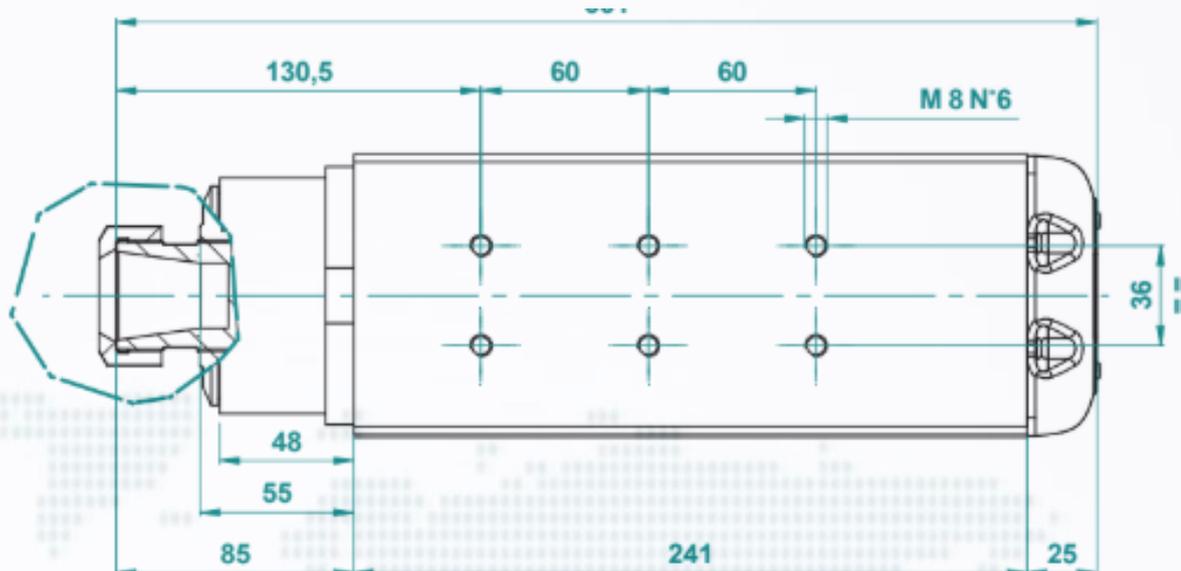
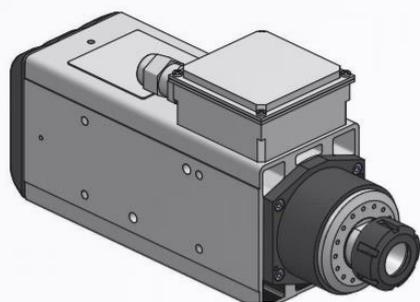


Performances



TECHNICAL SPECIFICATIONS	
Max. Power (S1 duty)	3 kW @ 18000 rpm
Max. Torque (S1 duty)	1,6 Nm
Max Speed	18000 rpm
Poles	2
Voltage	380 V
Current	7,5 A
Rotation	CW
Supply	By inverter
Tool interface	ER32 DX
Front Ball bearing	High speed high precision angular contact ball bearings
Cooling	Air by fan on the shaft
Weight	15 kg

ELECTRO SPINDLE (3 KW)



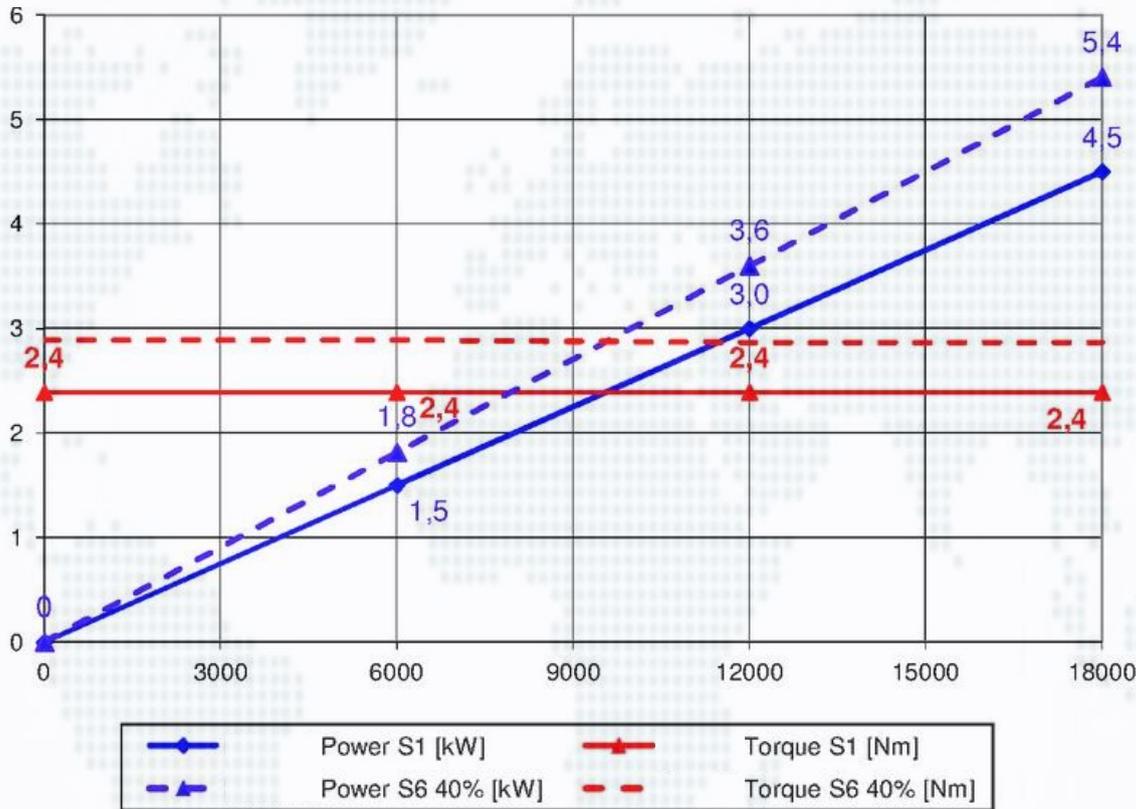
CONNESSIONI ELETTRICHE / ELECTRIC CONNECTIONS		
PIN	DESCRIZIONE / DESCRIPTION	COLORE / COLOR
1	/	/
2	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW
3	U - FASE / MOTOR PHASE	BIANCO / WHITE
4	V - FASE / MOTOR PHASE	ROSSO / RED
5	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW
6	W - FASE / MOTOR PHASE	NERO / BLACK
7	/	/
8	GND	GIALLO-VERDE / YELLOW-GREEN



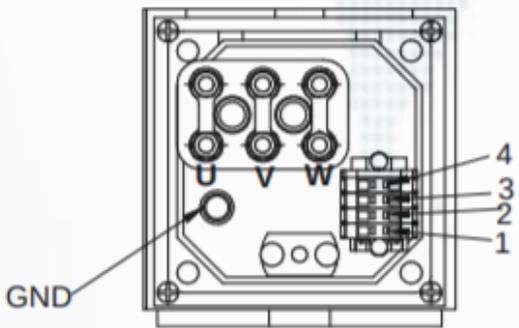
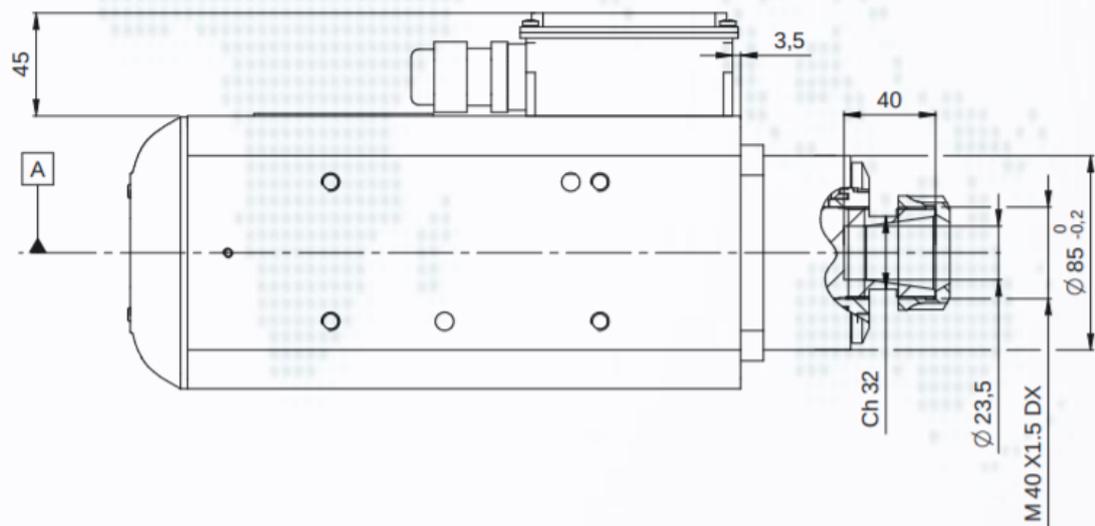
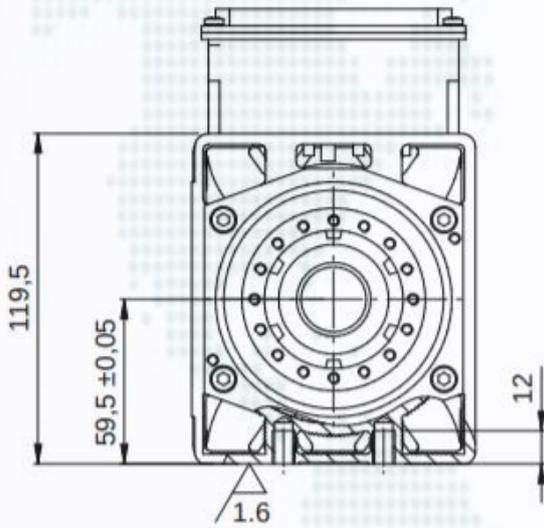
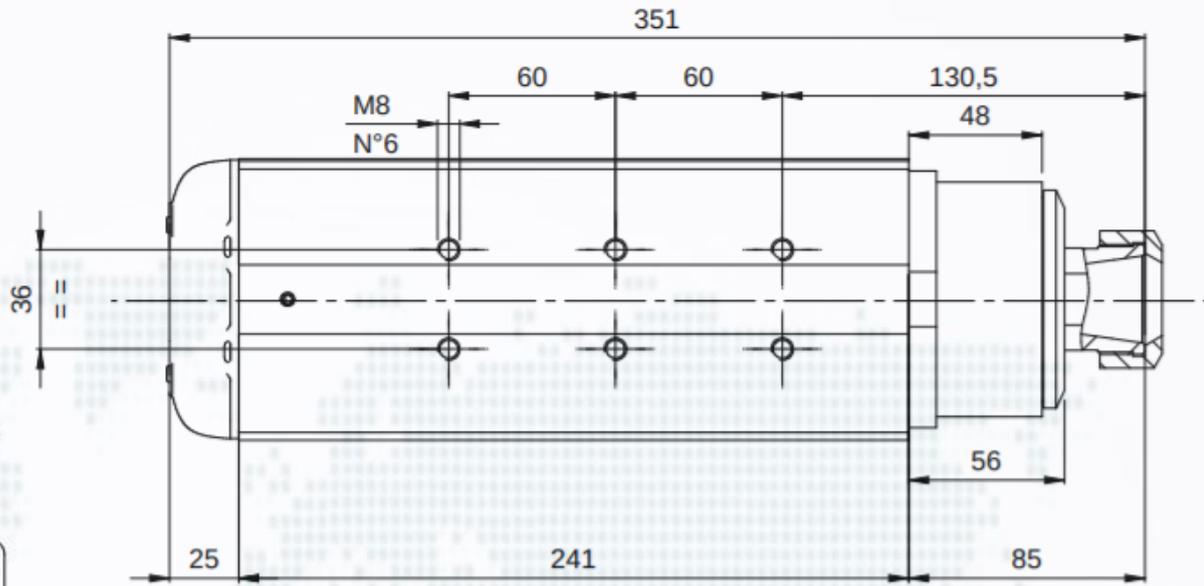
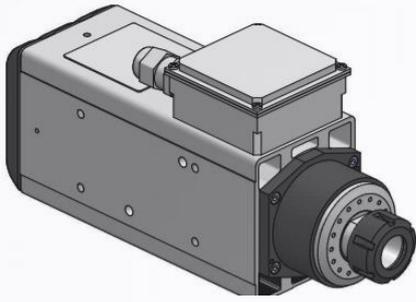
Electro Spindle:
QNI 4.5/18 18 ER32 DX
Code:
QN.200.A00.02



Performances



TECHNICAL SPECIFICATIONS	
Max. Power (S1 duty)	4.5 kW @ 18000 rpm
Max. Torque (S1 duty)	2,4 Nm
Max Speed	18000 rpm
Poles	2
Voltage	380 V
Current	9,5 A
Rotation	CW
Supply	By inverter
Tool interface	ER32 DX
Front Ball bearing	High speed high precision angular contact ball bearings
Cooling	Air by fan on the shaft
Weight	15 kg



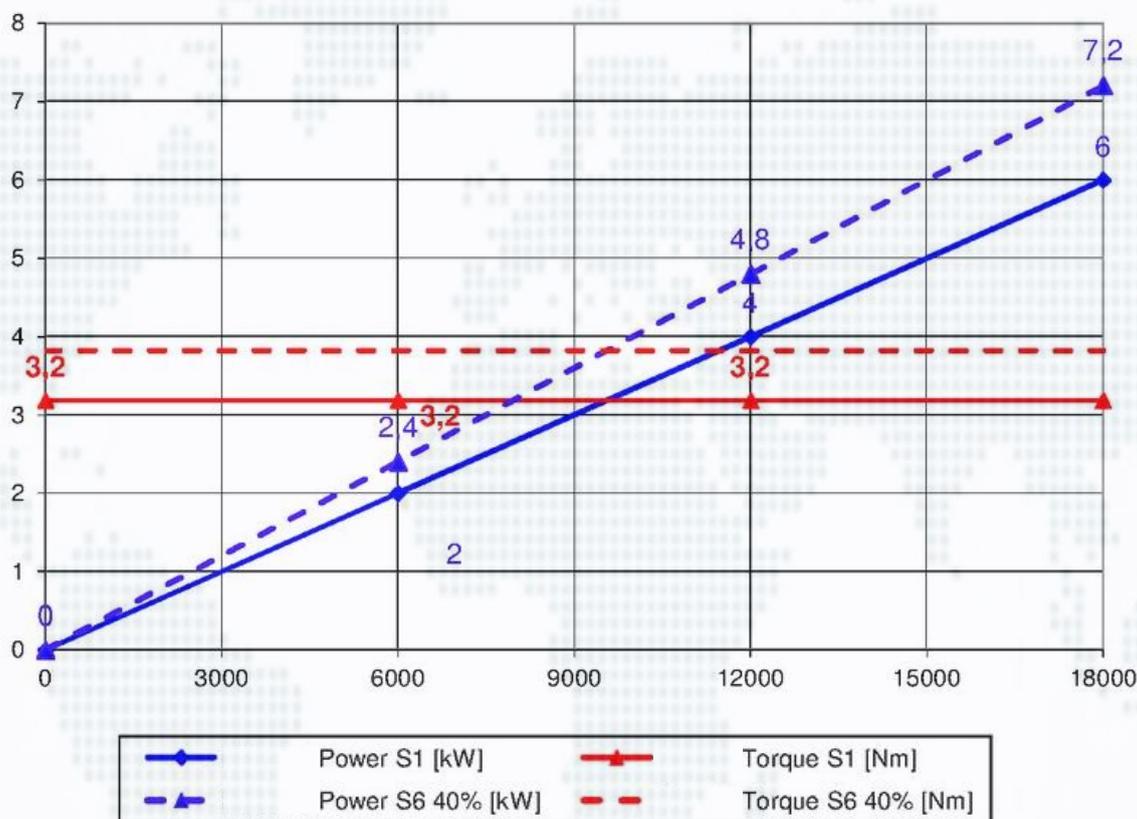
CONNESSIONI ELETTRICHE DI POTENZA/ POWER ELECTRIC CONNECTIONS	
DESCRIZIONE / DESCRIPTION	COLORE / COLOR
U - FASE / MOTOR PHASE	BIANCO / WHITE
V - FASE / MOTOR PHASE	ROSSO / RED
W - FASE / MOTOR PHASE	NERO / BLACK

CONNESSIONI ELETTRICHE DI SEGNALE / SIGNAL ELECTRIC CONNECTIONS		
PIN	DESCRIZIONE / DESCRIPTION	COLORE / COLOR
1	NON COLLEGATO	-
2	NON COLLEGATO	-
3	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW
4	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW

Electro Spindle:
QNI 6/18 18 ER32 DX
Code:
QN.200.A02.02

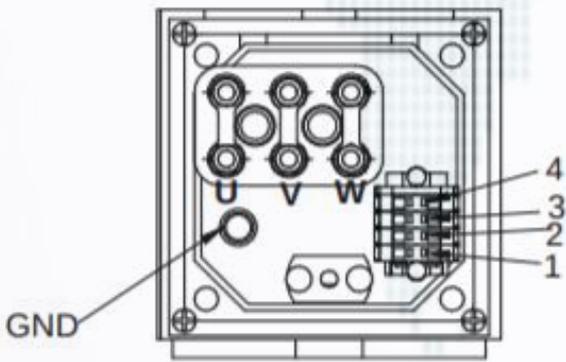
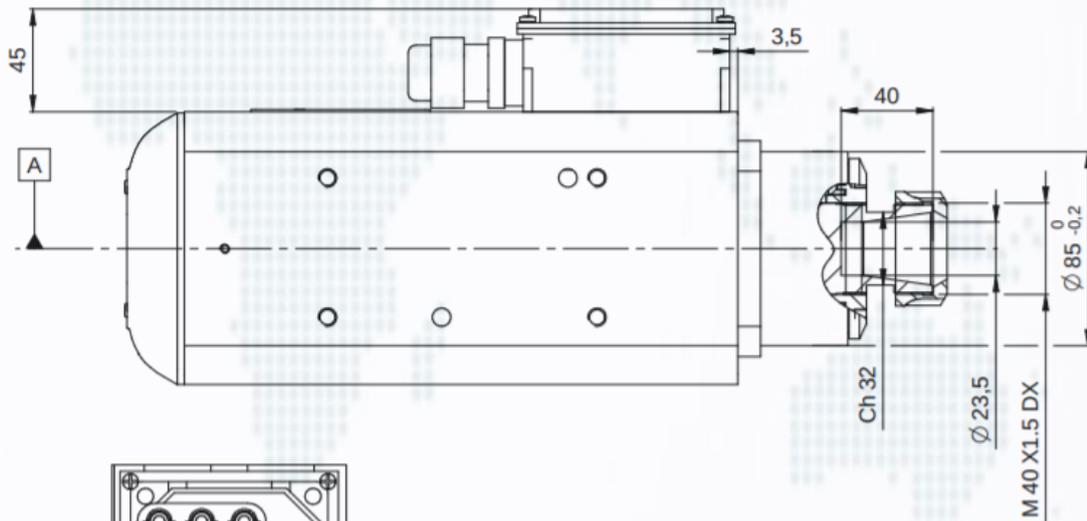
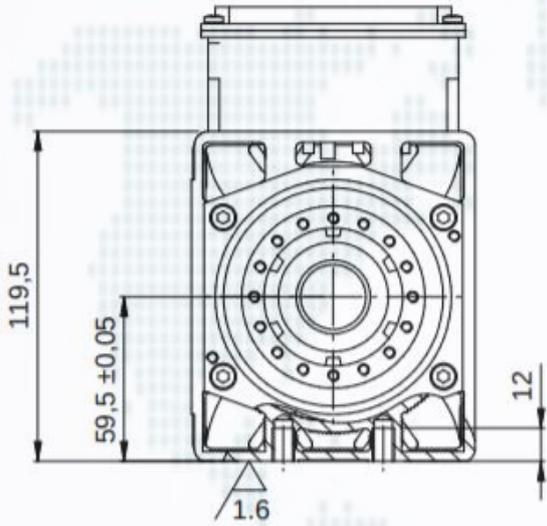
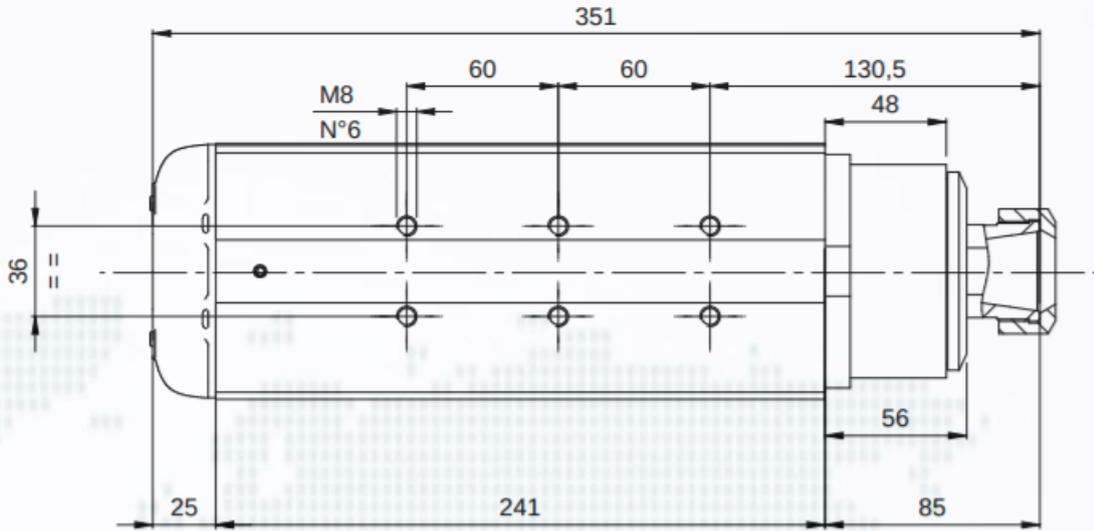
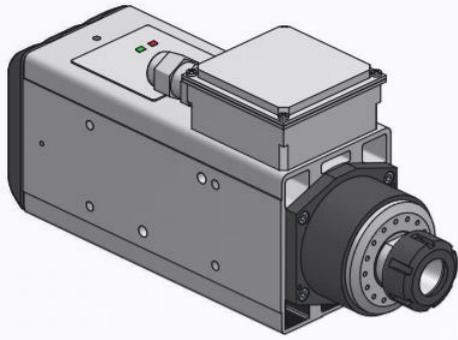


Performances



TECHNICAL SPECIFICATIONS	
Max. Power (S1 duty)	6 kW @ 18000 rpm
Max. Torque (S1 duty)	3,2 Nm
Max Speed	18000 rpm
Poles	2
Voltage	380 V
Current	12,5 A
Rotation	CW
Supply	By inverter
Tool interface	ER32 DX
Front Ball bearing	High speed high precision angular contact ball bearings
Cooling	Air by fan on the shaft
Weight	15 kg

ELECTRO SPINDLE (6 KW)



CONNESSIONI ELETTRICHE DI POTENZA/ POWER ELECTRIC CONNECTIONS

DESCRIZIONE / DESCRIPTION	COLORE / COLOR
U - FASE / MOTOR PHASE	BIANCO / WHITE
V - FASE / MOTOR PHASE	ROSSO / RED
W - FASE / MOTOR PHASE	NERO / BLACK

CONNESSIONI ELETTRICHE DI SEGNALE / SIGNAL ELECTRIC CONNECTIONS

PIN	DESCRIZIONE / DESCRIPTION	COLORE / COLOR
1	NON COLLEGATO	-
2	NON COLLEGATO	-
3	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW
4	SONDA TERMICA STATORE / BI-METALLIC STATOR THERMAL SWITCH	GIALLO / YELLOW

Electro Spindle:

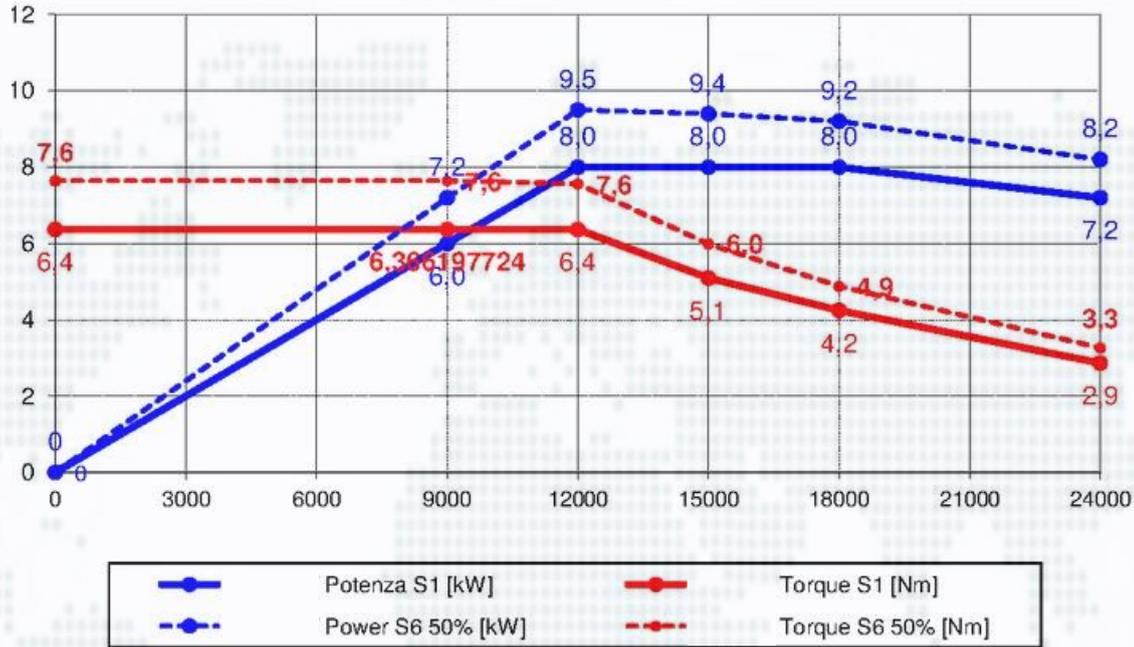
QE-1F 8/12 24 I30 NC CB

Code:

QE.300.A02.01



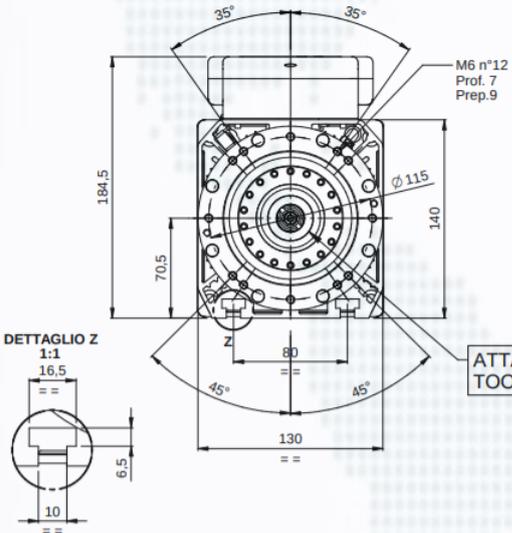
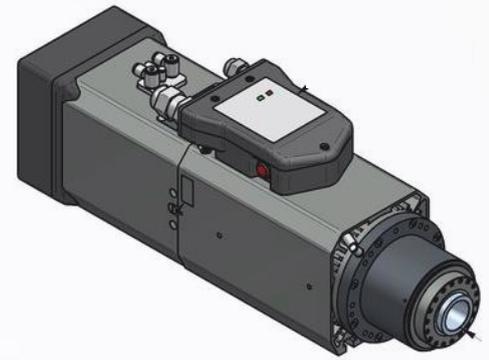
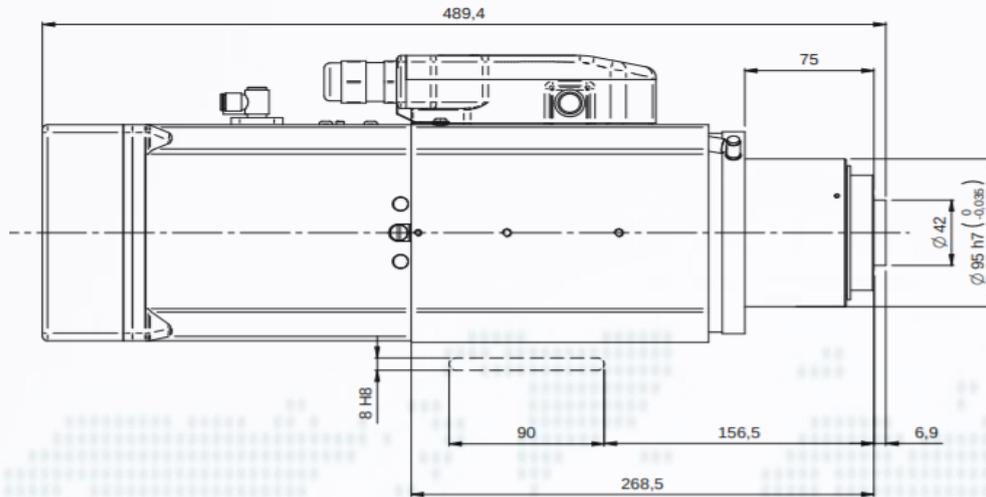
Performances



TECHNICAL SPECIFICATIONS

Max Power. (S1 duty)	8 kW @12000 RPM
Max. torque (S1 duty)	6,4 Nm
Current (S1 duty)	17, 6
Max. Power (S6 50% duty)	9,5 kW @12000 Rpm
Max. Torque (S6 50% duty)	7,6 Nm
Current (S6 50% duty)	19,5 A
Voltage	380 V
Poles	4
Max Speed	24000 Rpm
Rotation	CC - CCW
Supply	By Inverter
Tool Interface	ISO30
Ball bearing	Ceramic high speed high precision Front-Pair, Rear-Pair
Cooling	Air by electro-fan 24V DC
Sensor	S1- Tool Lock, S2-Open Clamp, S3-Spindle Rotation
Air inlets	<u>Release Tool: E6 6bar, Pressurization: E6 6bar, Taper clean: E4 6 bar</u>
Weight	21 KG

ELECTRO SPINDLE (8 KW) ATC



ATTACCO ISO30 DIN 69871-1
TOOL INTERFACE ISO30 DIN 69871-1

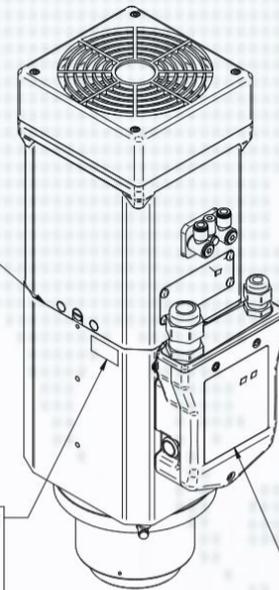
PRESSACAVO MET.M16 DIR. X E
METALLIC GLAND M16 STRAIGHT

SOFFIO CONO: E6 ARIA SECCA 6 bar
TAPER CLEANING: E6 AIR DRY 6 BAR

ELETTROMANDRINO

PUNZONARE SU CARCASSA:
EI XXXX
YY/ZZ
XX=SERIALE
YY=MESE DI PROD.
ZZ=ANNO DI PROD.

TARGHETTA IDENTIFICATIVA



TIRANTE PORTAUTENSILE
SCM. COD. 03L0036718D

CONO ISO30 DIN 69871-1

PRESSACAVO MET.M16 DIR. X EMC
METALLIC GLAND M16 STRAIGHT FOR EMC

SOFFIO CONO: E6 ARIA SECCA 6 bar
TAPER CLEANING: E6 AIR DRY 6 BAR

BLOCCO UTENSILE: E4 ARIA SECCA 6 bar
LOCK TOOL: E4 AIR DRY 6 BAR

SBLOCCO UTENSILE: E6 ARIA SECCA 6 bar
RELEASE TOOL: E6 AIR DRY 6 BAR

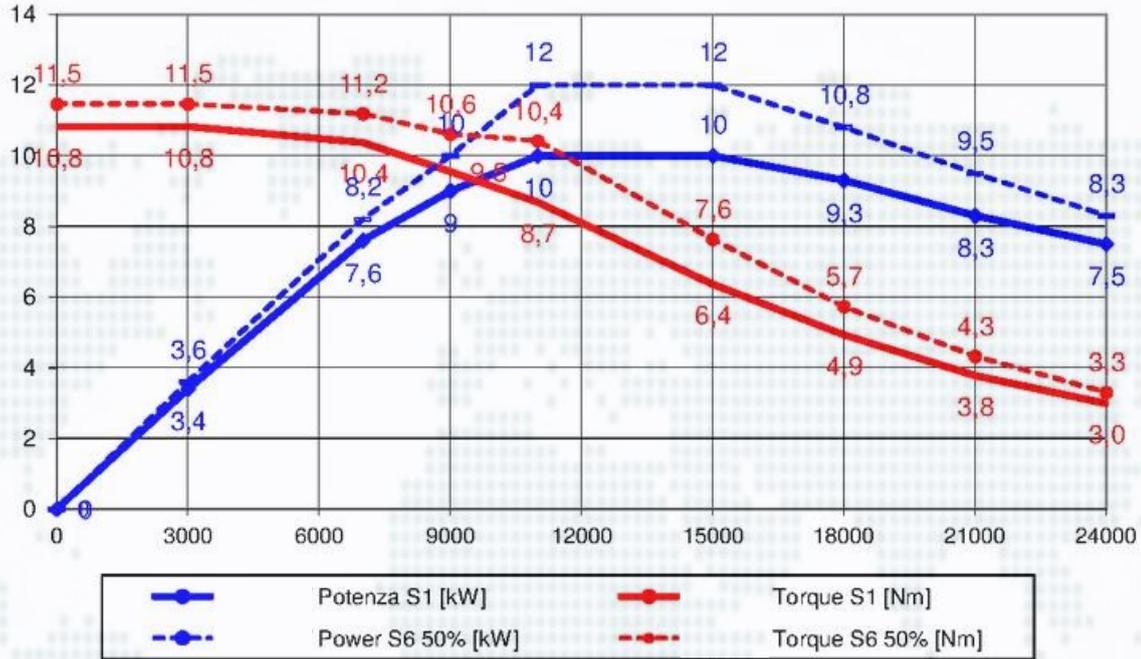
PRESSACAVO MET.M25 DIR. X EMC
METALLIC GLAND M25 STRAIGHT FOR EMC

Massa: 23 Kg

Electro Spindle:
 QE-1F 10/11 24 I30 NC CB
Code:
 QE.400.A08.00



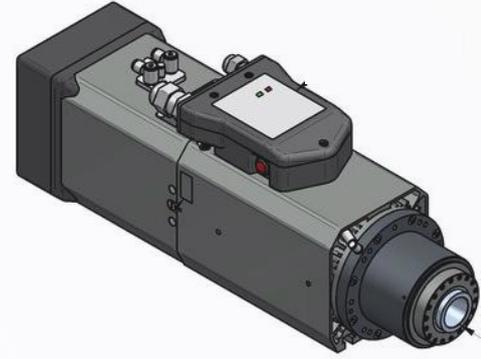
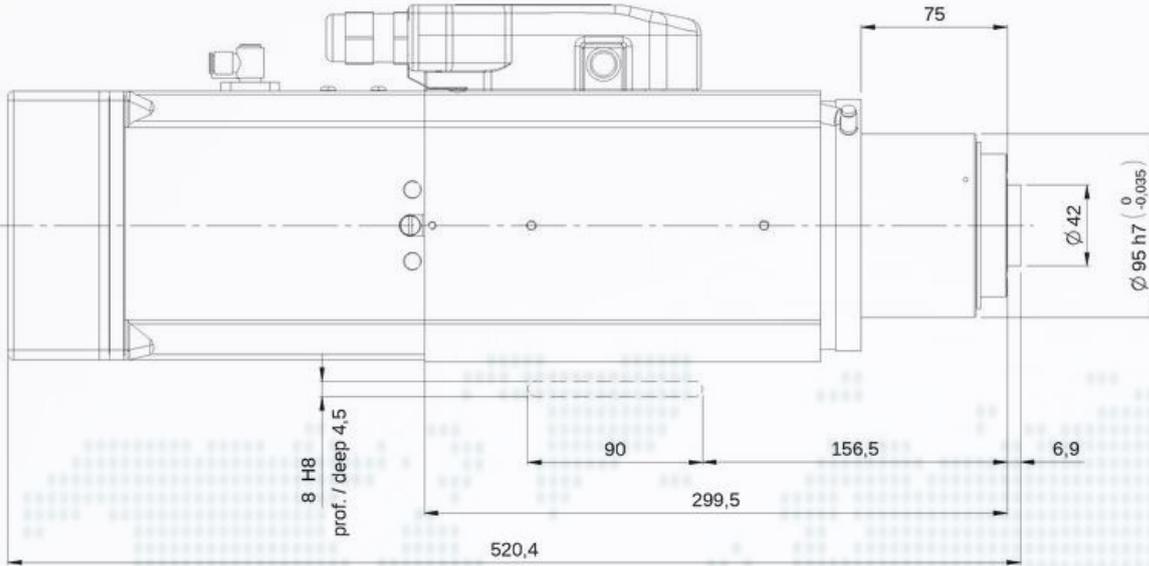
Performances



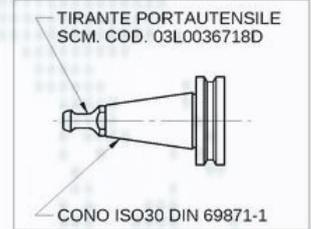
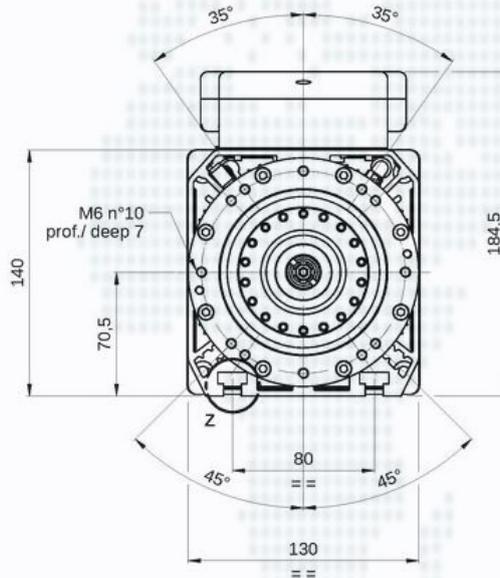
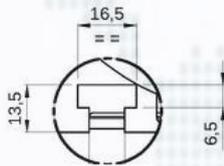
TECHNICAL SPECIFICATIONS

Max Power. (S1 duty)	10 kW @12000 RPM
Max. torque (S1 duty)	10,8 Nm
Current (S1 duty)	25 A
Max. Power (S6 50% duty)	12 kW @12000 Rpm
Max. Torque (S6 50% duty)	11,5 Nm
Current (S6 50% duty)	27 A
Voltage	380 V
Poles	4
Max Speed	24000 Rpm
Rotation	CC – CCW
Supply	By Inverter
Tool Interface	ISO30
Ball bearing	Ceramic high speed high precision Front-Pair, Rear-Pair
Cooling	Air by electro-fan 24V DC
Sensor	S1- Tool Lock, S2-Open Clamp, S3-Spindle Rotation
Air inlets	<u>Release Tool:</u> E6 6bar, <u>Pressurization:</u> E6 6bar, <u>Taper clean:</u> E4 6 bar
Weight	23 KG

ELECTRO SPINDLE (10 KW) ATC

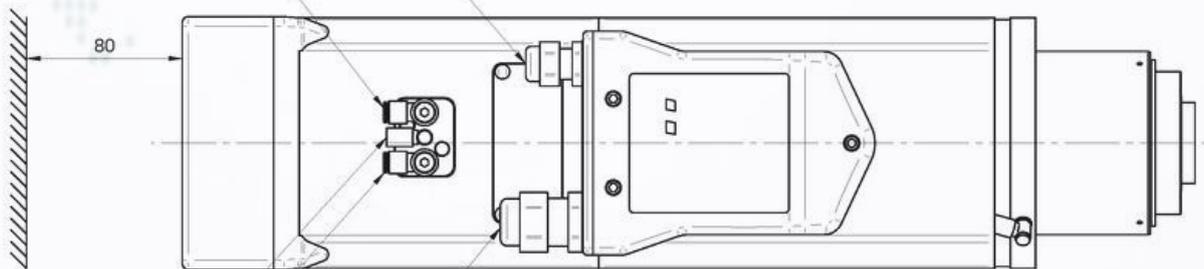


DETTAGLIO / DETAIL Z
1:1



SOFFIO CONO: E6 ARIA SECCA 6 - 6,5 bar
TAPER CLEANING: E6 AIR DRY 6 - 6,5 bar

PRESSACAVO MET.M16 DIR. X EMC
METALLIC GLAND M16 STRAIGHT FOR EMC



PRESSACAVO MET.M25 DIR. X EMC
METALLIC GLAND M25 STRAIGHT FOR EMC

SBLOCCO UTENSILE: E6 ARIA SECCA 6 - 6,5 bar
RELEASE TOOL: E6 AIR DRY 6 - 6,5 bar

BLOCCO UTENSILE: E4 ARIA SECCA 6 - 6,5 bar
LOCK TOOL: E4 AIR DRY 6 - 6,5 bar

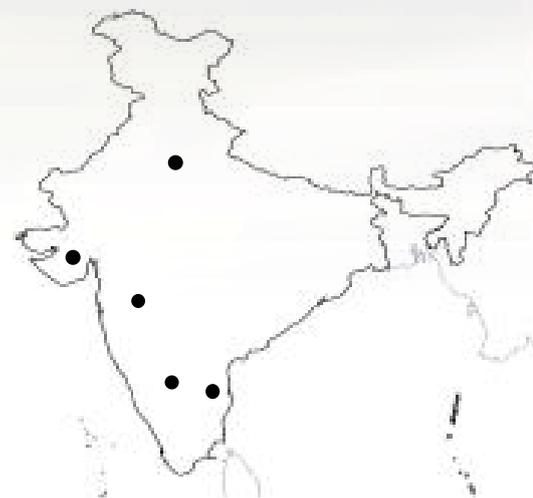


Kuvam's CSR Initiative:

Kuvam Technologies will donate some of its profits to poor farmers in the form of fruit bearing plants. This will be our small contribution to help the nation to fight global warming and to increase the farmers income.



KUVAM TECHNOLOGIES PVT LTD
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