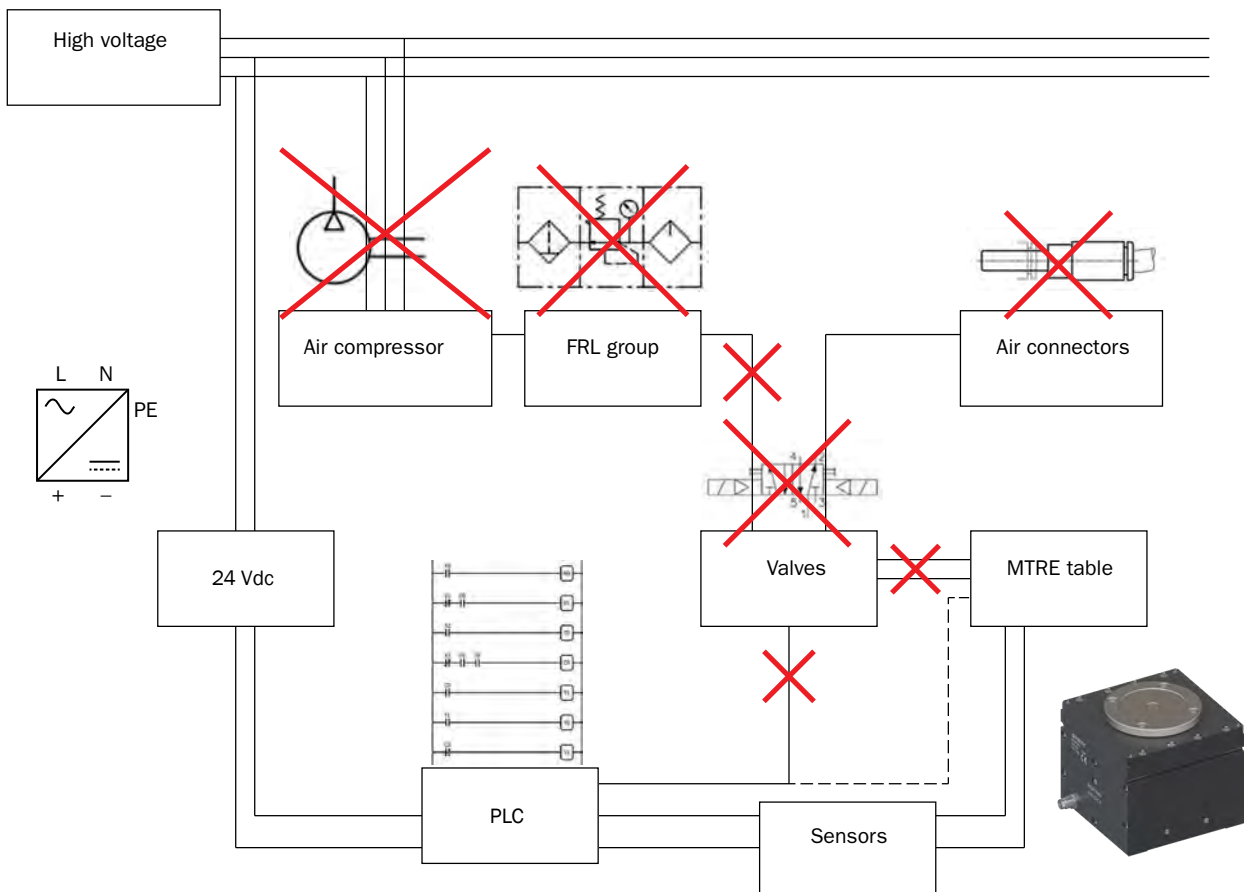
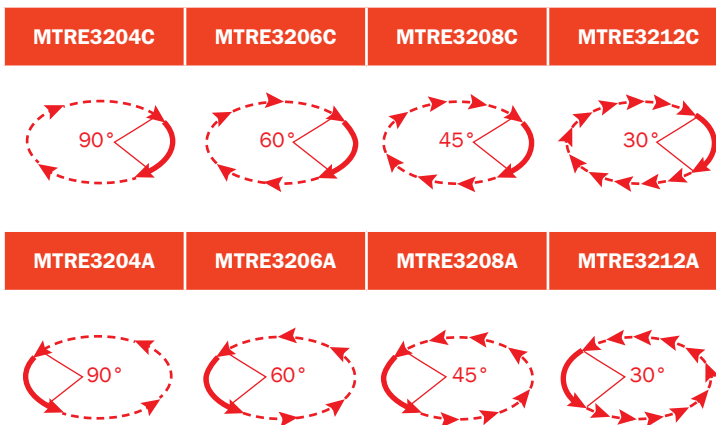


Electric indexing tables

- Available with 4, 6, 8 or 12 positions.
- Available clockwise (ending C) or counter clockwise (ending A).
- High torque.
- Suitable for heavy loads.
- Mechanical indexing reset in the case of accidental block.
- Plug & play user friendly gripper.
- No electricity consumption when the indexing table is in position.
- No programming required.
- Guarantee of position kept in the event of power blackout.
- Long life Brushless motor (Brushless DC).
- Built-in motor drive.
- 24 Vdc Low Voltage Power Supply.
- M8x1, 3 poles standard connection.
- Controllable by PLC as a pneumatic valve.
- Ball bearings.
- Fiber-carbon gear reduction.
- 10 million cycle maintenance-free.
- Optional magnetic sensors.



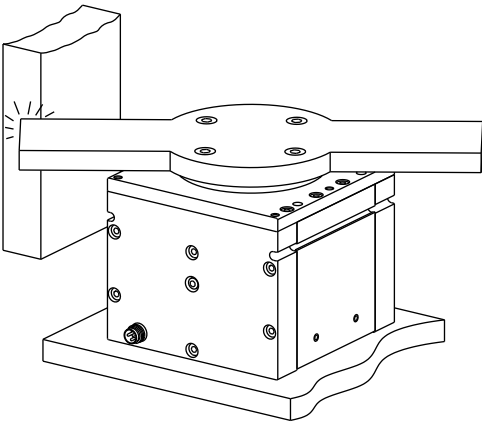


	MTRE3204C	MTRE3206C	MTRE3208C	MTRE3212C
Price	\$1,382.00	\$1,382.00	\$1,382.00	\$1,382.00
Swivelling torque	196 Ncm	196 Ncm	196 Ncm	196 Ncm
Swivelling angle	4x90°	6x60°	8x45°	12x30°
Frequency at an ambient temperature of 30°C	0.95 Hz	0.9 Hz	0.85 Hz	0.8 Hz
Swivelling time without load	0.47 s	0.36 s	0.29 s	0.19 s
Working actuator time	0.53 s	0.43 s	0.47 s	0.29 s
Duty cycle at an ambient temperature of 30°C	100%	80%	60%	50%
Power supply	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%
Peak current	3.8 Apk	3.8 Apk	3.8 Apk	3.8 Apk
Nominal current	0.8 Arms	0.8 Arms	0.8 Arms	0.8 Arms
Brushless motor power	23 W	23 W	23 W	23 W
Connection	M8 - 3 poles			
Open/closed input signal	PNP open collector			
Angular precision	±0.10°	±0.10°	±0.10°	±0.10°
Positioning repeatability (360°)	0.02°	0.02°	0.02°	0.02°
Operating temperature	41-140°F			
Environmental Degree	IP54	IP54	IP54	IP54
Noise level	< 70 dB	< 70 dB	< 70 dB	< 70 dB
Mass (motor included)	1800 g	1800 g	1800 g	1800 g
Maximum inertial load (J)	240 kgcm ²	240 kgcm ²	240 kgcm ²	240 kgcm ²
IPA Clean Room Certification	-	-	-	-
Reference standards	EN 61000-6-2 + EC + IS1; EN 61000-6-3 + A1			
Technology and options	Page 914 - 915			

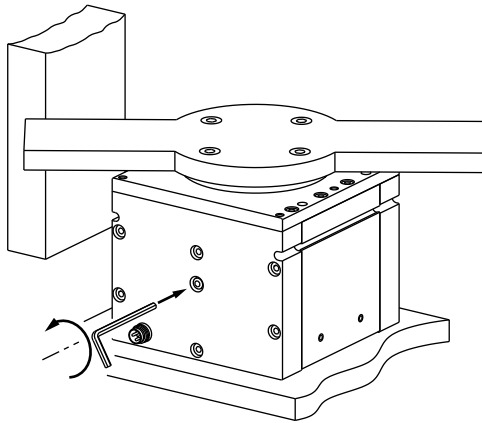
Step re-setting

MTRE tables are equipped by a special indexing system that is able to rotate in clockwise or anticlockwise rotation with mechanical stop every 90°, 60°, 45° or 30° step.
 In case of accidental swivel blockage (1) it is possible to reset the mechanical synchronism by a screw beside the table.
 When the screw is open the system is no more engaged (2) so that is possible to provide some electrical impulses (3) to phase mechanical system.
 After that is possible to close the screw (4) and start correct working of the table (5).

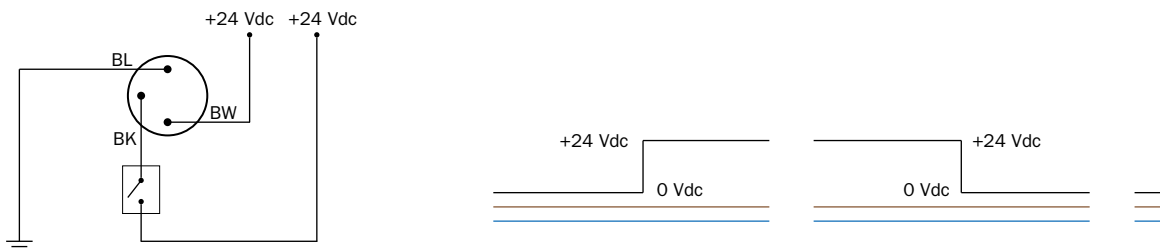
①



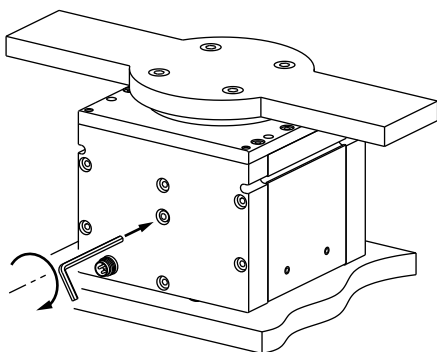
②



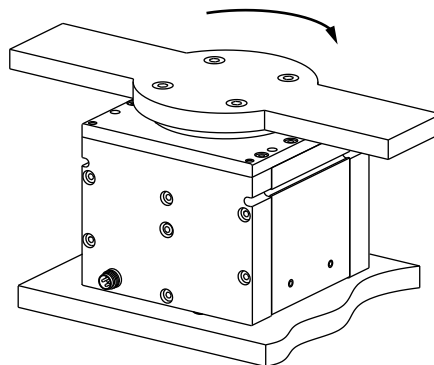
③



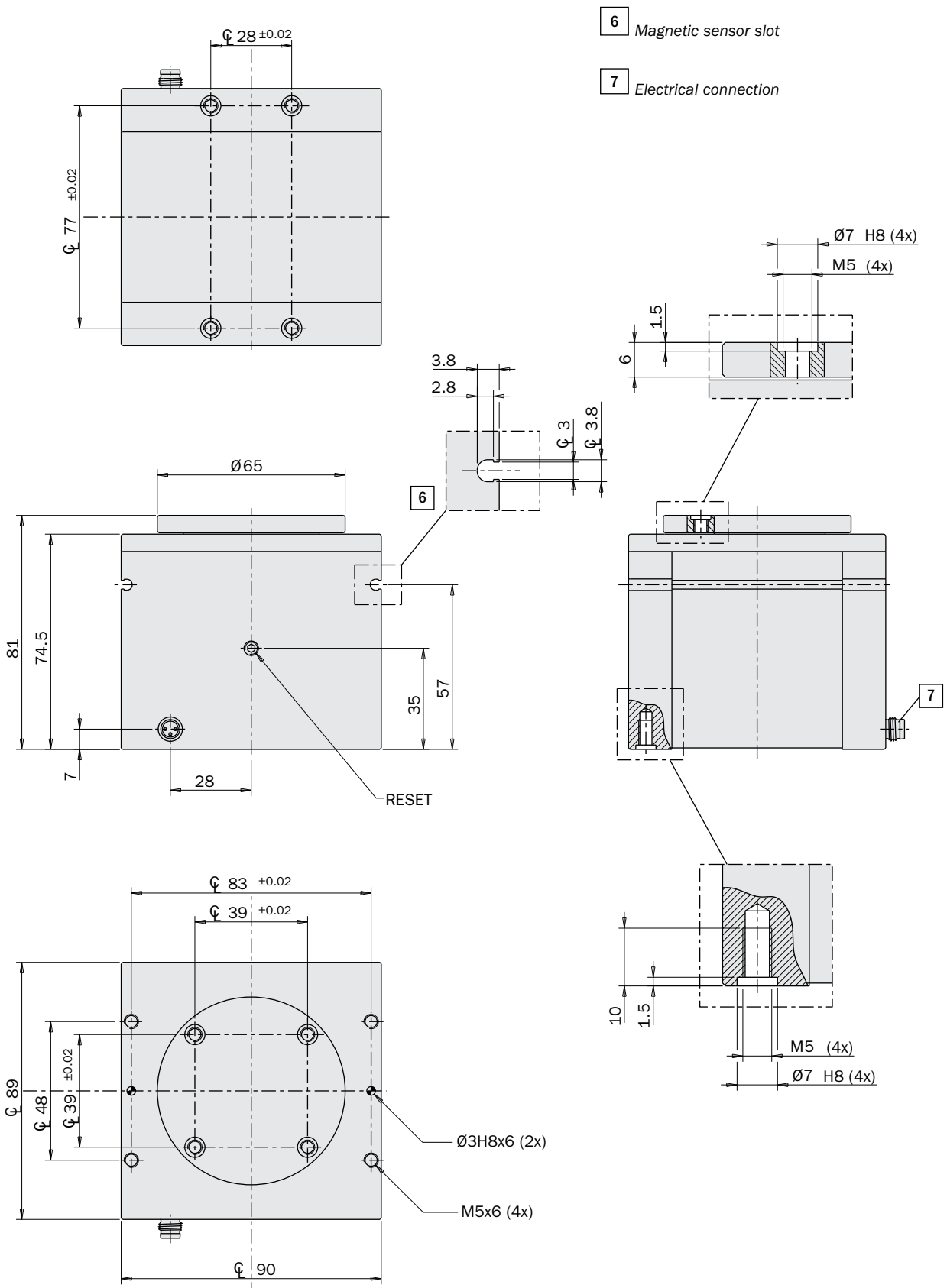
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⑤



Dimensions (mm)



6 Magnetic sensor slot

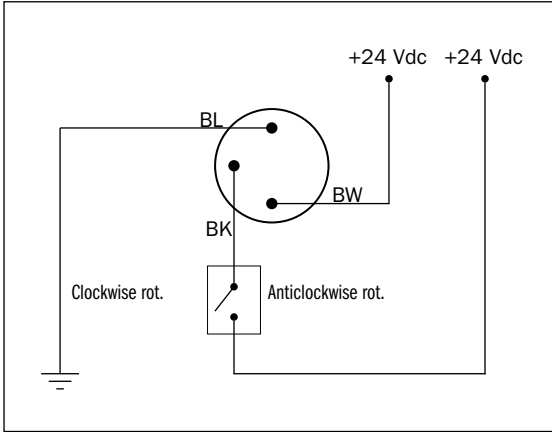
7 Electrical connection

FIRST ANGLE PROJECTION

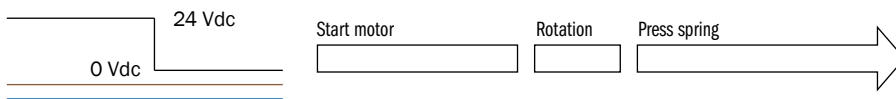
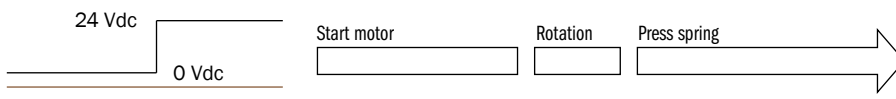
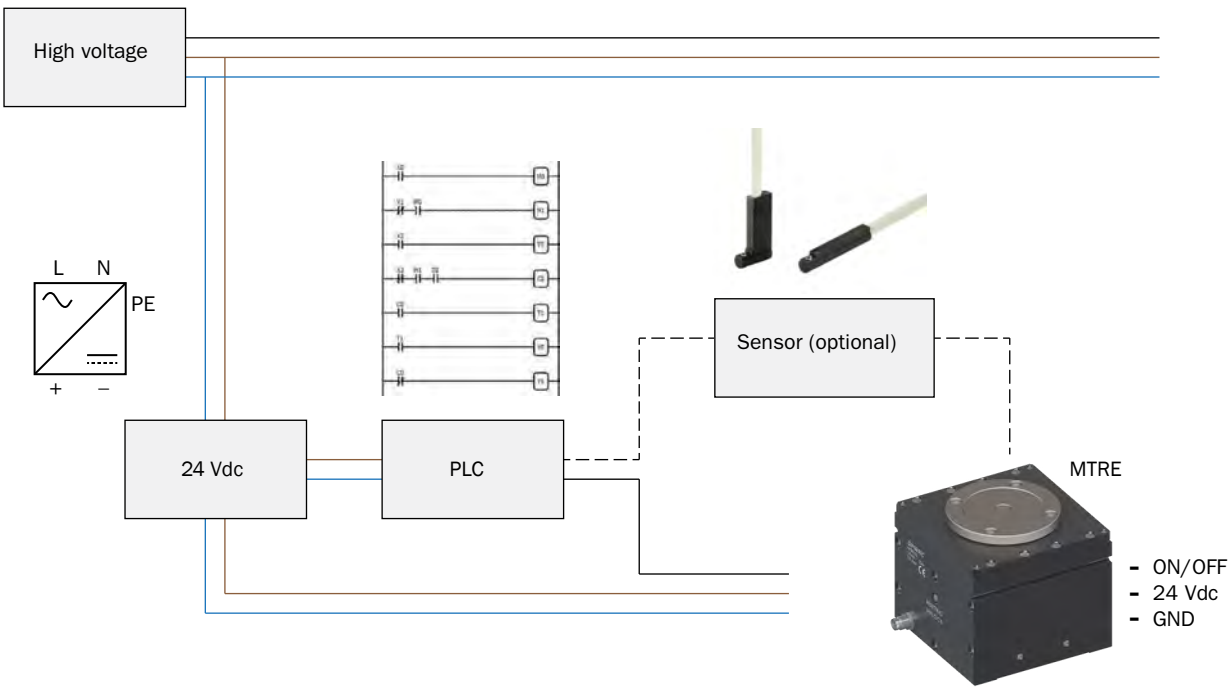
Electrical connection

The indexing table is equipped with a 3-pole M8 connector for the 24Vdc power supply and the swiveling signal.

No further electronics is necessary to drive the actuator.



Optional M8x1 standard female connector.
Gimatic code: CFGM800325P / CFGM890325P.

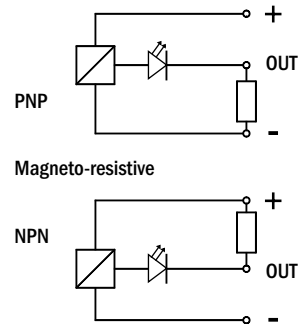


Sensors

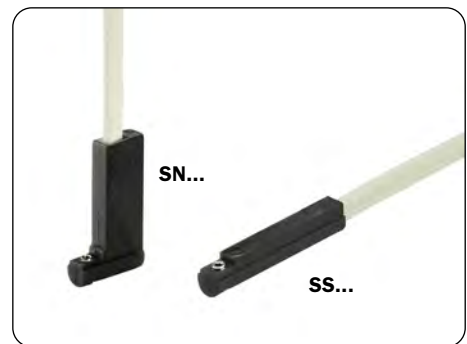
The operating position is detected by one or more proximity magnetic sensors (optional), which detect the position by means of magnets located on the internal plate. Therefore a near big mass of ferromagnetic material or intense magnetic fields may cause sensing troubles. High-sensitivity sensors (HS suffix) can be used, if necessary.

Standard sensors are:

SN4N225G	PNP	2.5m cable	\$26.14
SN4M225G	NPN	2.5m cable	\$26.14
SN3N203G	PNP	M8 connector	\$29.96
SN3M203G	NPN	M8 connector	\$29.96
SS4N225G	PNP	2.5m cable	\$26.14
SS4M225G	NPN	2.5m cable	\$26.14
SS3N203G	PNP	M8 connector	\$29.96
SS3M203G	NPN	M8 connector	\$29.96



They are all provided with a 3-wire flat cable and a LED.

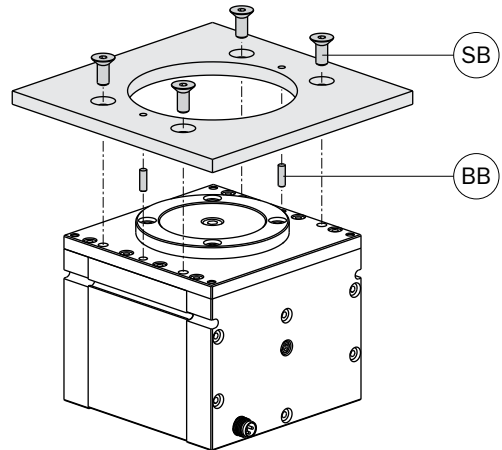
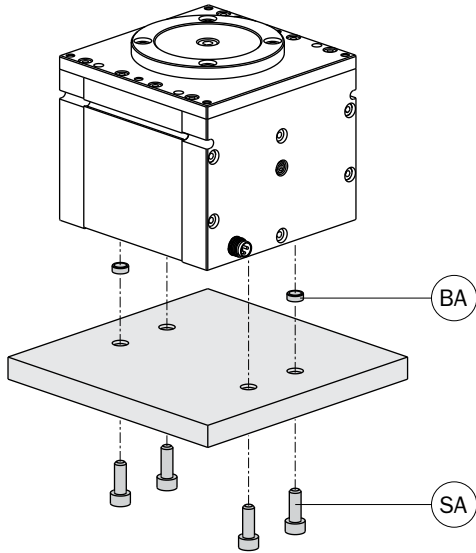


Fastening of the indexing table

The indexing table can be fastened to a static or a moving part. When on a moving part, attention must be paid to the inertial force which the table and its load are subjected to.

To fasten the indexing table to the base, use the four screws (SA) and the two sleeves (BA) which are supplied in the package.

To fasten the table from the top, use four screws (SB) and two dowel pins (BB).

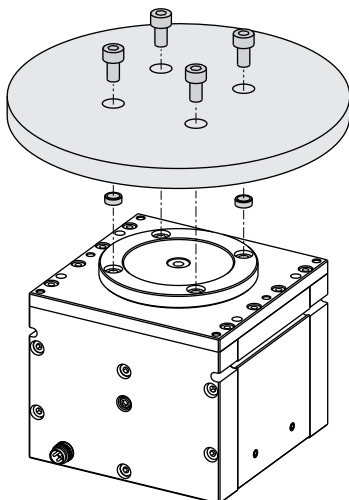


Fastening of the rotating load

Fasten the load onto the plate by using the four screws and the centring sleeves supplied in the package.

The moment of inertia of the load must be lower than 240 kgcm².

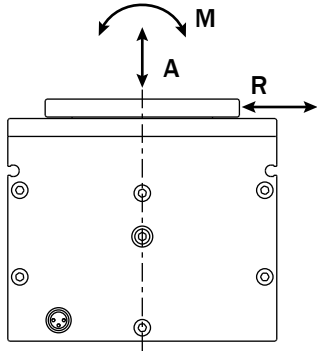
Excessive kinetic energy can damage the table and compromise its operation.



Jmax	240 kgcm ²
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Safety loads

Check the table for maximum permitted loads.
Excessive loads can damage the table and compromise its operation.



A	230 N
R	270 N
M	19 Nm

Cautions

Never let the unit come into contact with corrosive substances, soldering splashes or abrasive powders as they may damage the unit.
Never let personnel or objects stand within the operating range of the unit.
Never operate the unit if the machine on which it is fitted does not comply with safety laws and standards of your country.

