

Robot tool changer
MPS 1530

Technical data	
Max. payload	1,530 kg
Max. bending moment (static)	12,500 Nm
Max. torsional moment (static)	12,500 Nm
Max. bending moment (dynamic)	43,750 Nm
Max. torsional moment (dynamic)	43,750 Nm
Max. tensile force	100 kN
Max. compressive force	200 kN
Max. shear force	100 kN
Max. acceleration	50 m/s ²
Overall coupled height	100 mm
Repeatability	+/- 0,025 mm
Position tolerance	+/- 2 mm
Weight – robot side	12.5 kg
Weight – tool side	8.5 kg
Pneumatically operated locking unit	0.45 to 1.2 MPa
Mounting pattern	Mounting diameter 160 / 200
Number of module mounting sides	7
Detection sensors	Locked/unlocked/coupled
Emergency release	Yes
Modules can be removed in coupled state	Yes
Safety during loss of air	Yes, with compression spring
IP rating	IP65

Special versions are also available for specific applications. Please contact us for details.

Available modules	
Connector for data and electrical signal transmission	Material transfer
Power connector for primary power transmission	Safety circuit
Module for pneumatics, vacuum and cooling	Bus modules
Hydraulics	

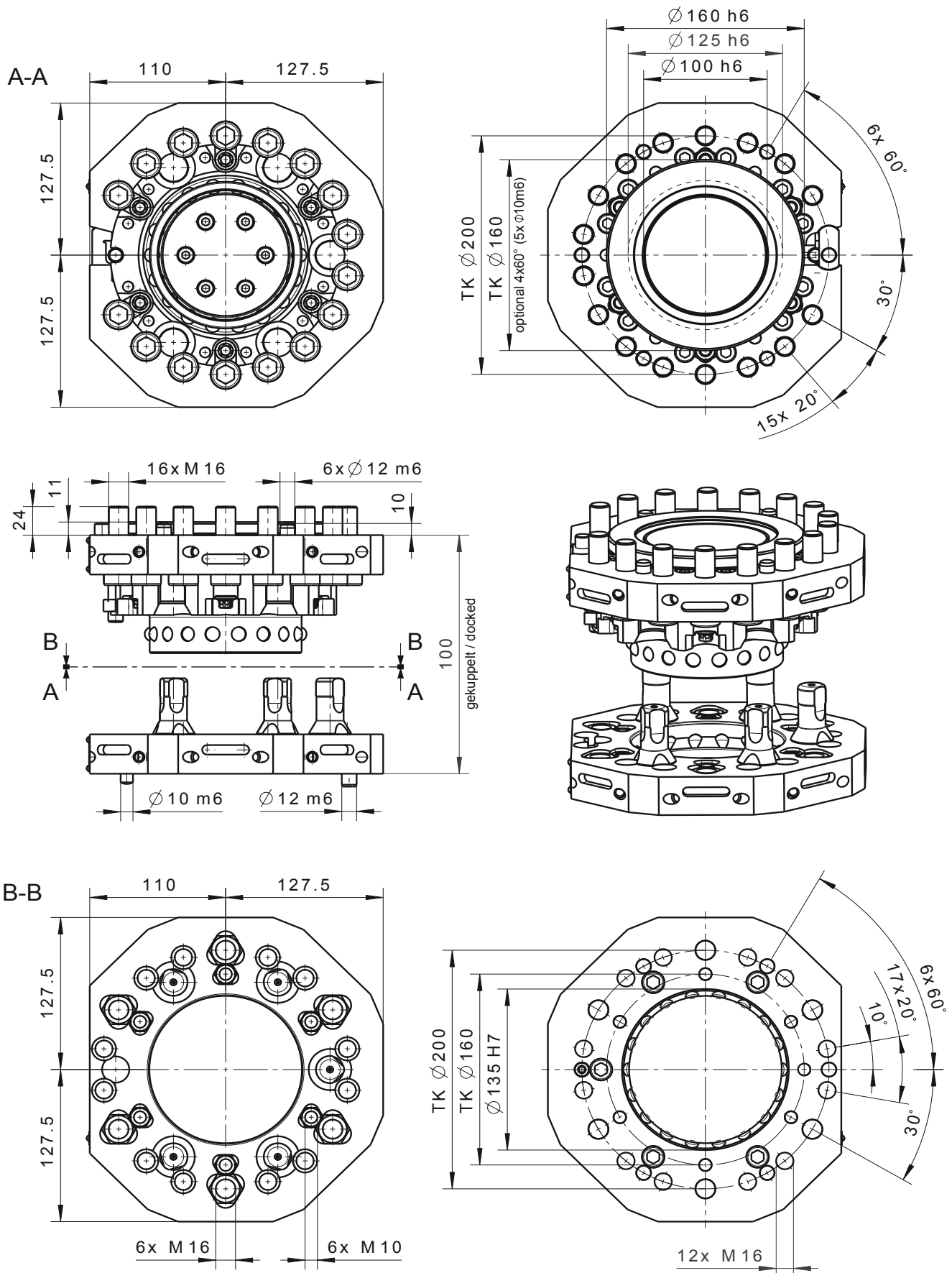
Other system components

Programming jig



Quick and easy programming of robot docking position

Dimensions MPS 1530



All the information and illustrations specified in the data sheet are without obligation, especially regarding to execution, size and color of the products. Stäubli reserves the right to make modifications in design and technical equipment of the products. Status of 02/2019

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