



ROTA TP

**Versatile, pneumatically
actuated power lathe chucks**

Compact power lathe chucks with integrated pneumatic cylinder and large through-hole

ROTA TP power lathe chucks from SCHUNK are equipped with an integrated pneumatic cylinder. During downtime these chucks can be opened and closed via a distributor ring using a special air supply system. ROTA TP power lathe chucks are especially suitable for small lathes that do not have a hydraulic clamping cylinder, but are to be operated via a fluid medium. But the chucks are also very useful in automation technology.



Advantages – Your benefits

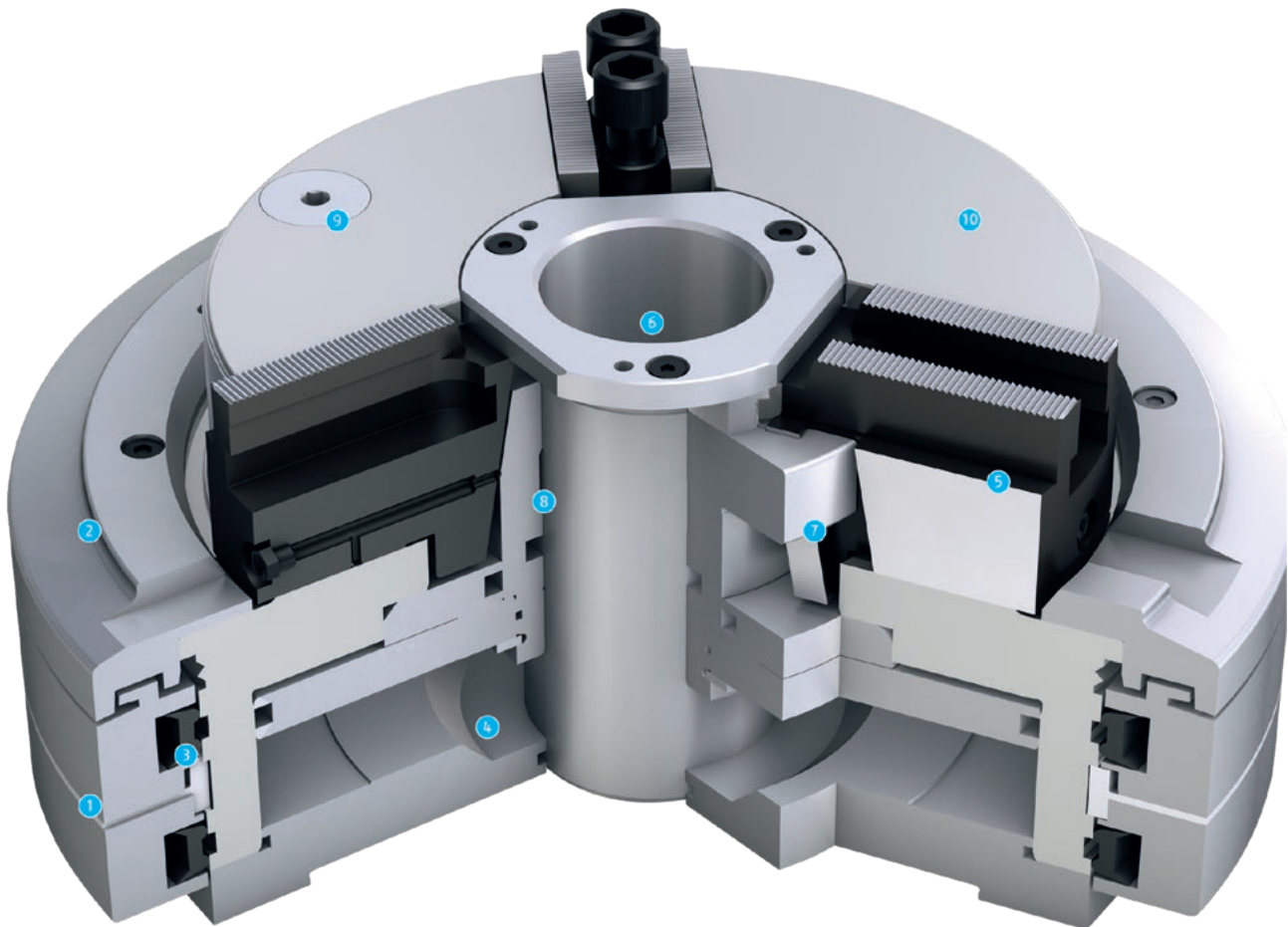
- + Precision wedge hook pneumatic chuck for top quality demands**
Allows excellent machining results
- + Large through-hole**
Machining all standard pipe diameters
- + High efficiency of the wedge hook system**
Process-reliable clamping due to high clamping forces
- + Optimized lubrication system**
Consistently high clamping forces ensured
- + Pneumatic cylinder integrated in the chuck**
Especially suited to lathes without a hydraulic cylinder
- + Air supply via a distributor ring**
Very simple control of the chuck
- + High clamping forces at system pressure**
Ensure process reliability during machining
- + All sides of the functional parts are hardened and ground**
Ensures a long service life

Technical data

Description	Max. rotational speed [min ⁻¹]	Max. clamping force (at 6 bar) [kN]	Stroke/jaw [mm]	Through-hole [mm]
ROTA TP 125-26	4000	22	3	26
ROTA TP 160-38	3500	39	4.2	38
ROTA TP 200-52	2800	68	4.2	52
ROTA TP 250-68	2200	105	5	68
ROTA TP 315-90	1800	140	5	90
ROTA TP 315-105	2200	100	5	105
ROTA TP 350-115	2200	90	5	115
ROTA TP-LH 350-115	2200	90	15	115

Function of ROTA TP

The piston integrated in the chuck is supplied during down-time with compressed air from the distributor ring and thus axially shifted. The wedge hook system converts this axial movement of the chuck piston into a radial movement of the base jaws, synchronous to the rotating axis. The double check valve prevents that after removal of the system pressure the compressed air can again escape.

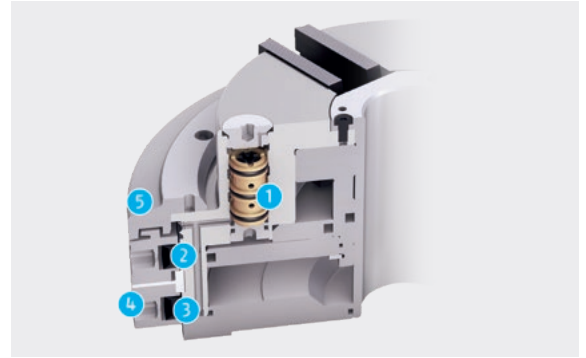


- | | |
|--|---|
| <ul style="list-style-type: none"> 1 Distributor ring
For air transmission during down-time 2 Distributor ring cover
Prevents the penetration of dirt and chips 3 Profile sealing rings
For air transmission 4 Pneumatic cylinder integrated in the chuck
Especially suited to lathes without a hydraulic cylinder 5 Very stable base jaw
With fine serration for universal clamping | <ul style="list-style-type: none"> 6 Very large through-hole
Ideal for pipe processing 7 Very stable wedge hook
For force transmission 8 Long piston guidance
Optimizes the force flow and provides optimal rigidity 9 Pressure maintenance valve
Provides for enduring clamping force during rotation 10 One-piece, rigid chuck body
For a long service life |
|--|---|

Control of the self-contained power lathe chucks

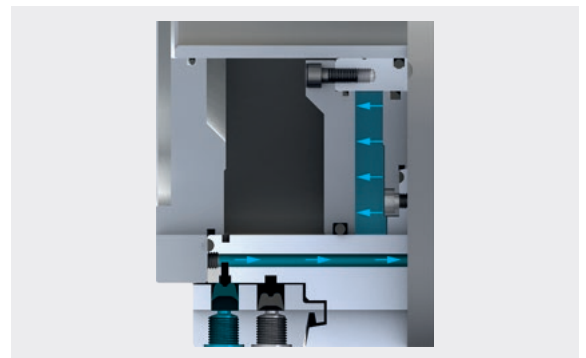
All pneumatic self-contained power lathe chucks have an integrated double check valve. The valve is responsible for pressure maintenance and thus ensures constant clamping force.

- ❶ **Double check valve**
Ensures pressure maintenance
- ❷ **Profile sealing ring**
For chuck actuation during I.D. clamping
- ❸ **Profile sealing ring**
For chuck actuation during O.D. clamping
- ❹ **Distributor ring**
For air supply of the lathe chuck
- ❺ **Distributor ring cover**
For a better sealing against contamination at the distributor ring



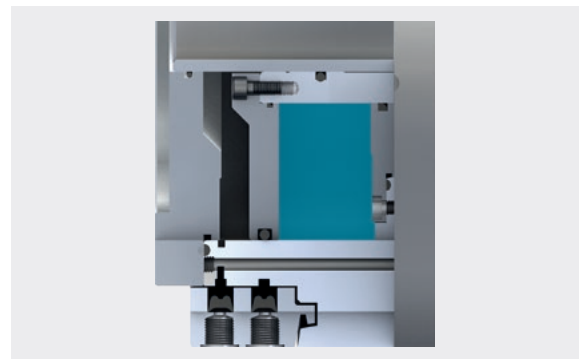
Clamping and opening is only possible during down-time

The profile seals deform radially under pneumatic pressure and seal on the chuck body to fill the cylinder chamber. The generated air pressure is permanently maintained through a double-check valve in the chuck.



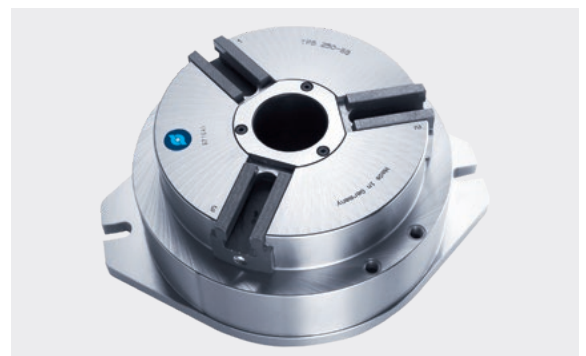
The SCHUNK profile seal lifts itself through its own elasticity

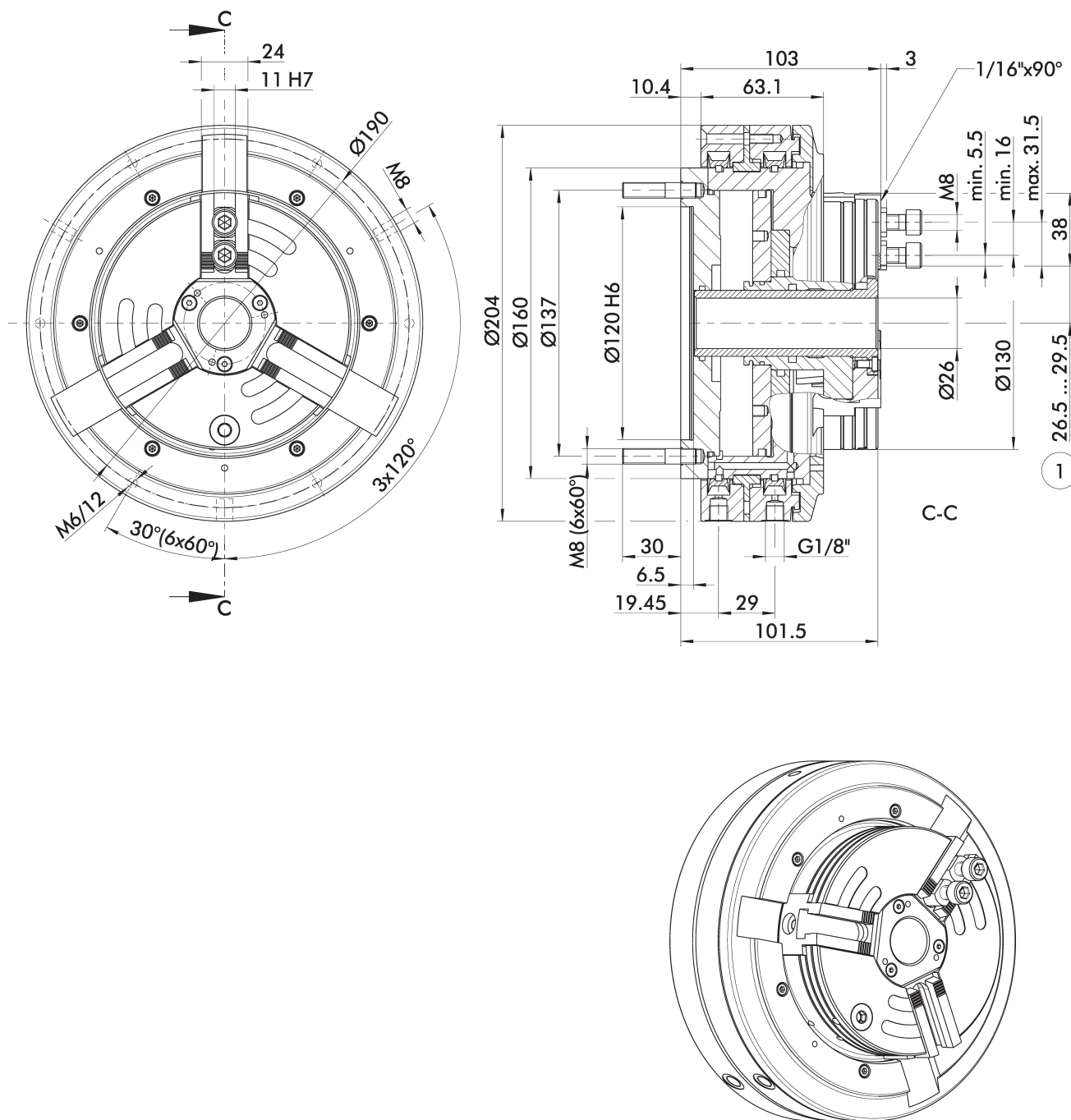
The air pressure is maintained in the cylinder, and the chuck can start to rotate.



Also available for stationary applications

The ROTA TP chuck can be also used for stationary applications. However, the so-called ROTA TPS chuck has to be permanently actuated with air and is not equipped with a distributor ring and no double check valve is integrated.





Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z120	0816125	4000	4200	22	3 - 8	0.028	11

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/8" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 quick couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{\min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

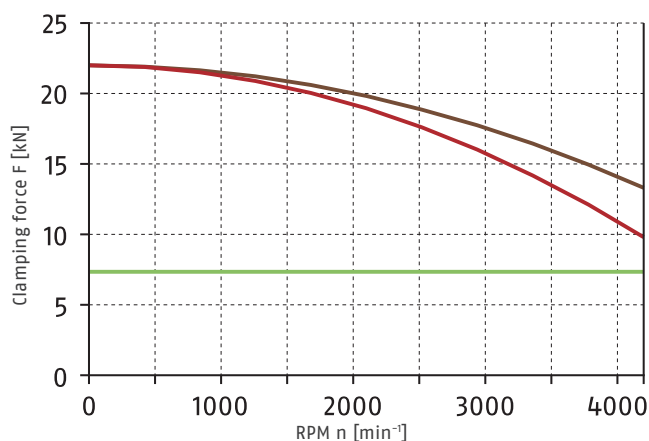
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 125-26	26	3	1.5	1.3	59.5

Clamping force-RPM-diagram



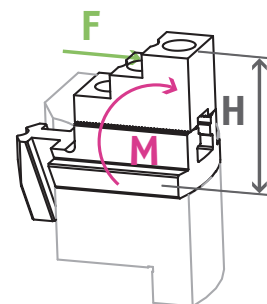
Required minimum clamping force F_{spmin} 33%

SHB 125
0.7 kg

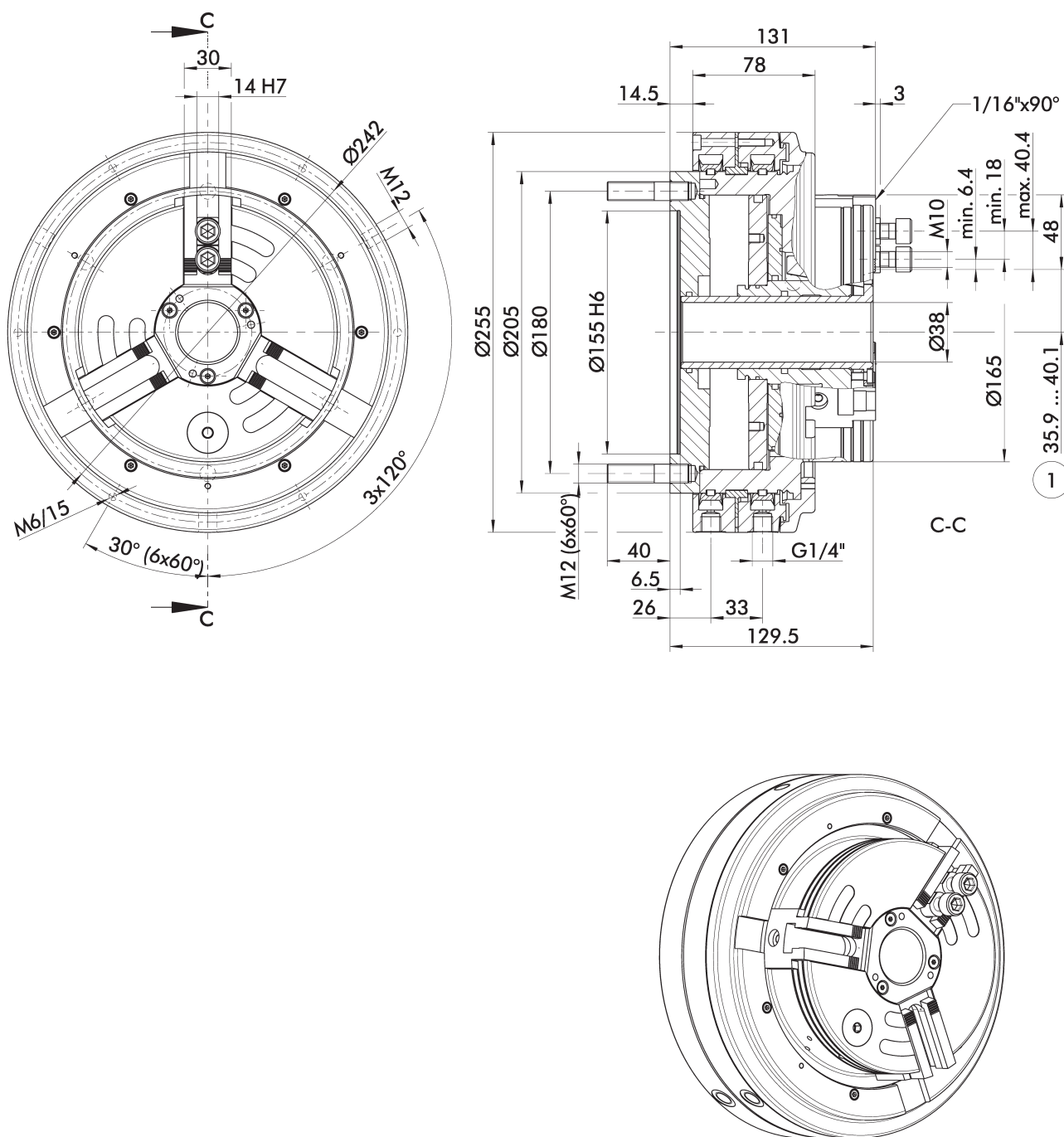
SP-WB 125
1.3 kg



Load of base jaw guidance



$$M_{\max} = 436 \text{ Nm}$$



Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z155	0816135	3500	4200	39	3 - 8	0.13	23

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{\min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

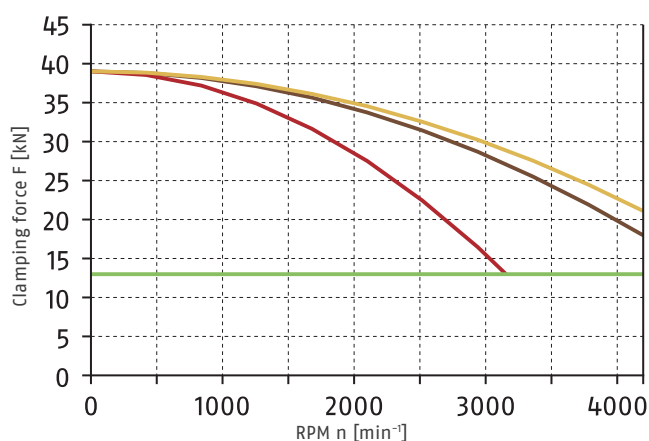
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 160-38	38	4.2	2	3.2	71.5

Clamping force-RPM-diagram



Required minimum clamping force F_{spmin} 33%

SHB 165
1.3 kg



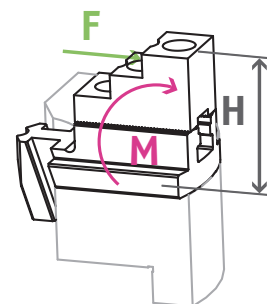
SWB 165
2.5 kg



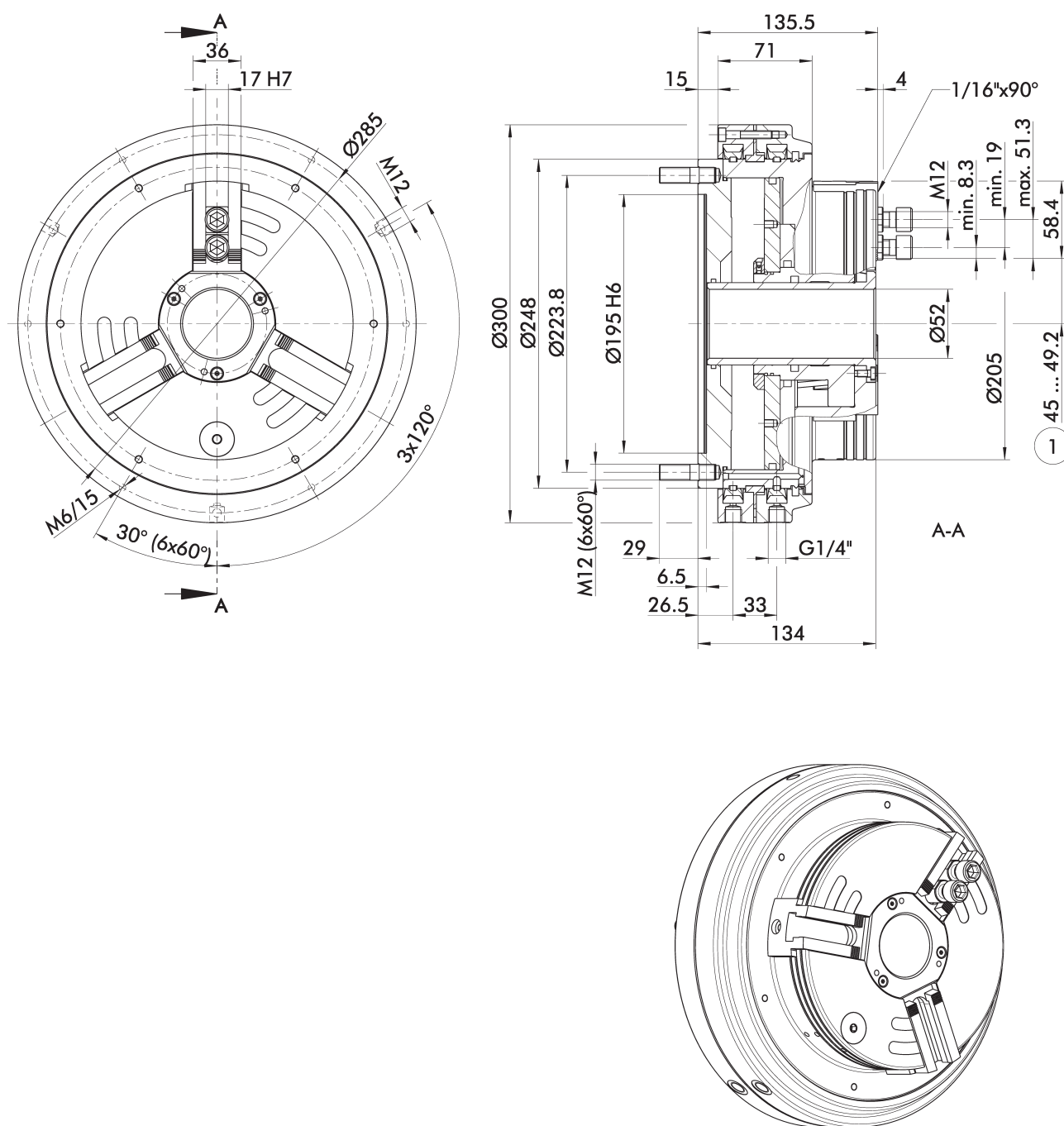
SWB-AL 165
1.2 kg



Load of base jaw guidance



$M_{\max} = 930$ Nm



Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z195	0816145	2800	3800	68	3 - 8	0.26	38

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

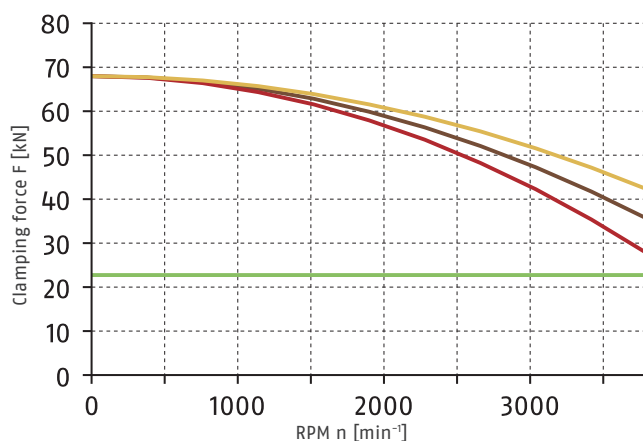
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 200-52	52	4.2	4	5	76.5

Clamping force-RPM-diagram



Required minimum clamping force F_{spmin} 33%

SHB 210
2 kg



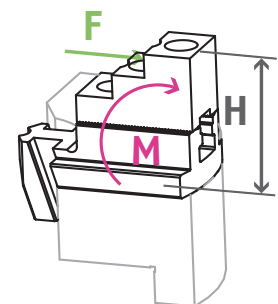
SWB 200
4.1 kg



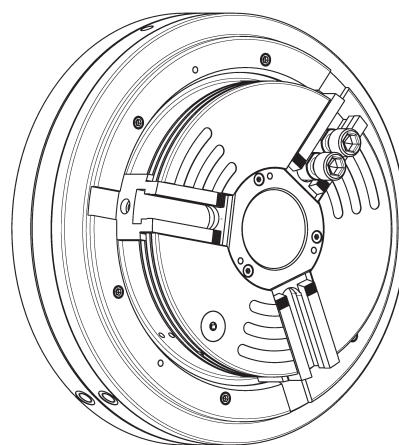
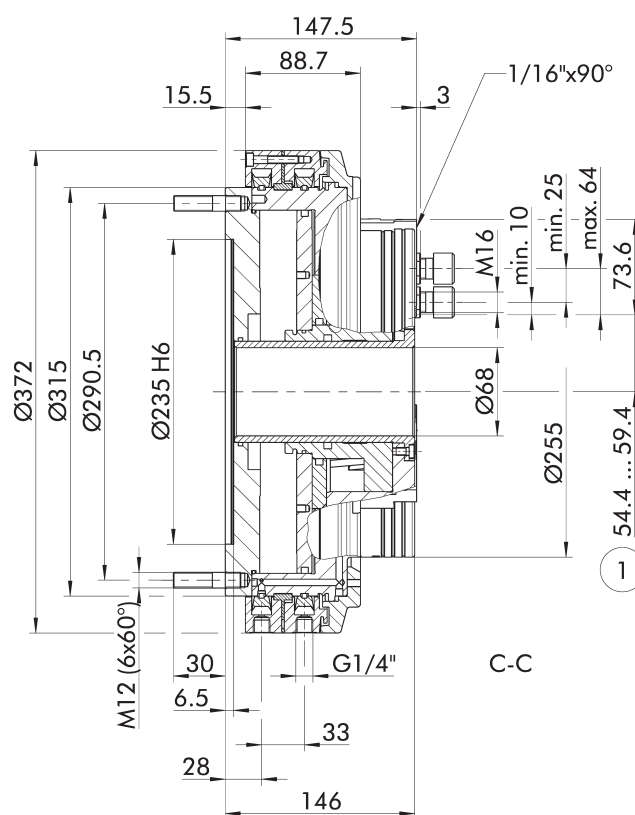
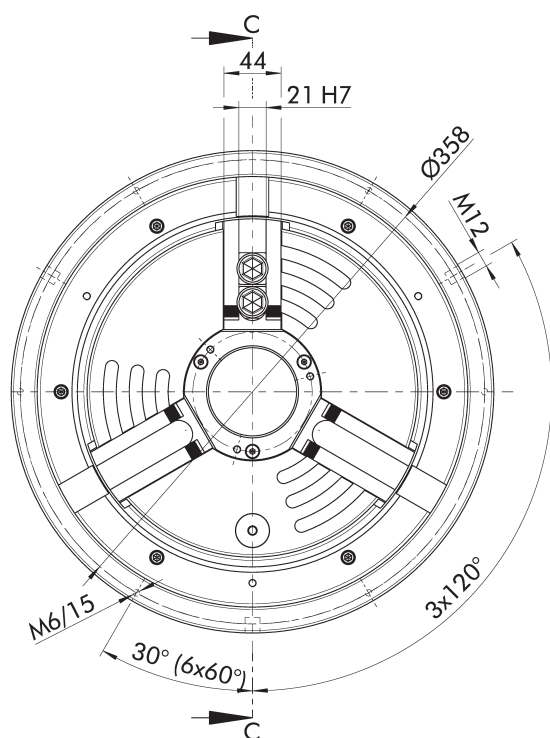
SWB-AL 200
1.5 kg



Load of base jaw guidance



$M_{max} = 1734$ Nm



Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z235	0816155	2200	3500	105	3 - 8	0.68	59

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

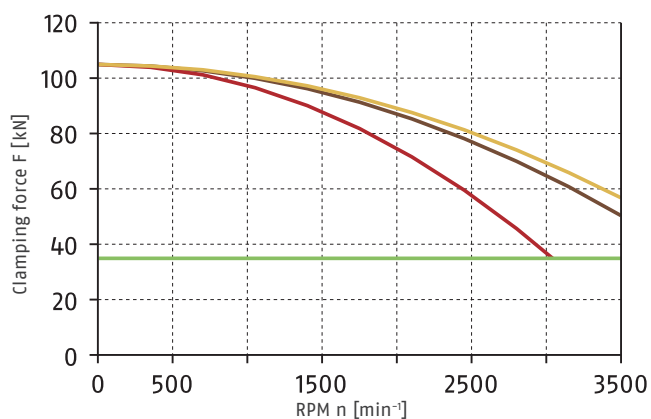
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 250-68	68	5	5	9.2	88

Clamping force-RPM-diagram



Required minimum clamping force F_{spmin} 33%

SHB 250
3.5 kg



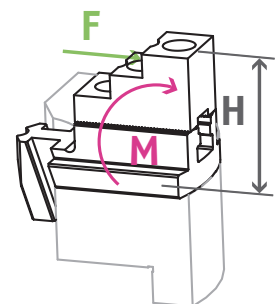
SWB 250
9.2 kg



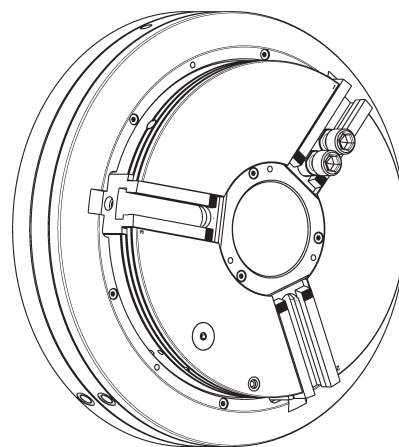
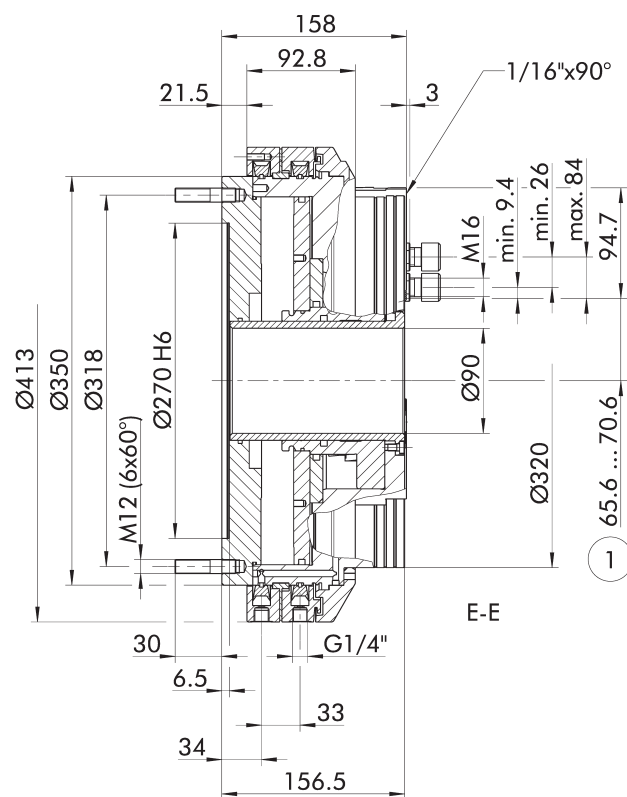
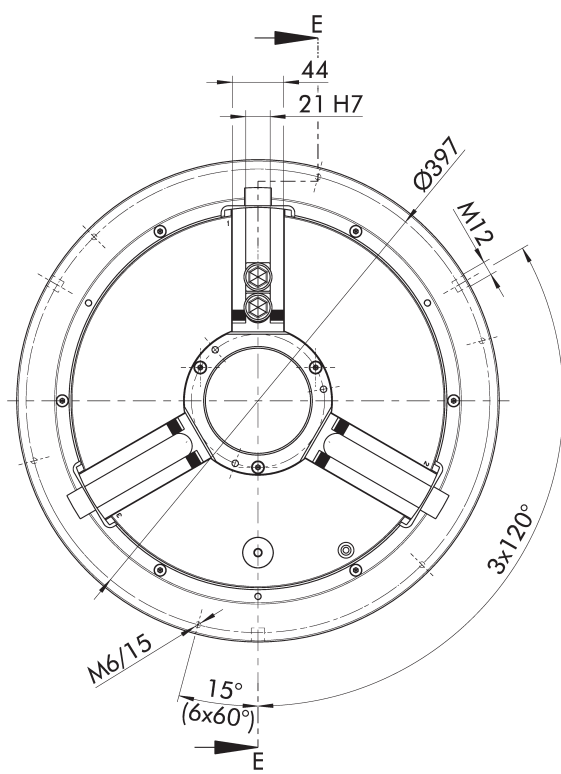
SWB-AL 250
3.29 kg



Load of base jaw guidance



$M_{max} = 3080$ Nm



Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z270	0816165	1800	2500	140	3 - 8	1.35	85

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

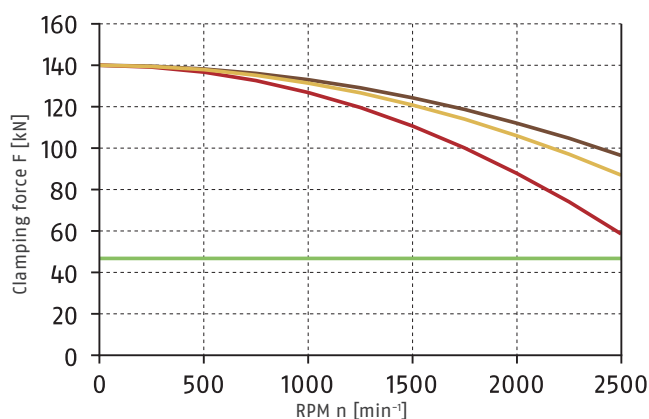
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 315-90	90	5	7	11.2	88

Clamping force-RPM-diagram



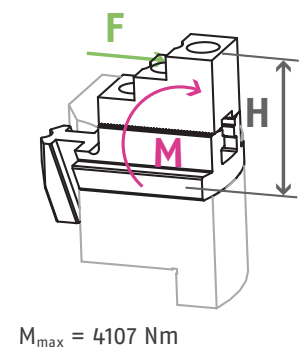
Required minimum clamping force F_{spmin} 33%

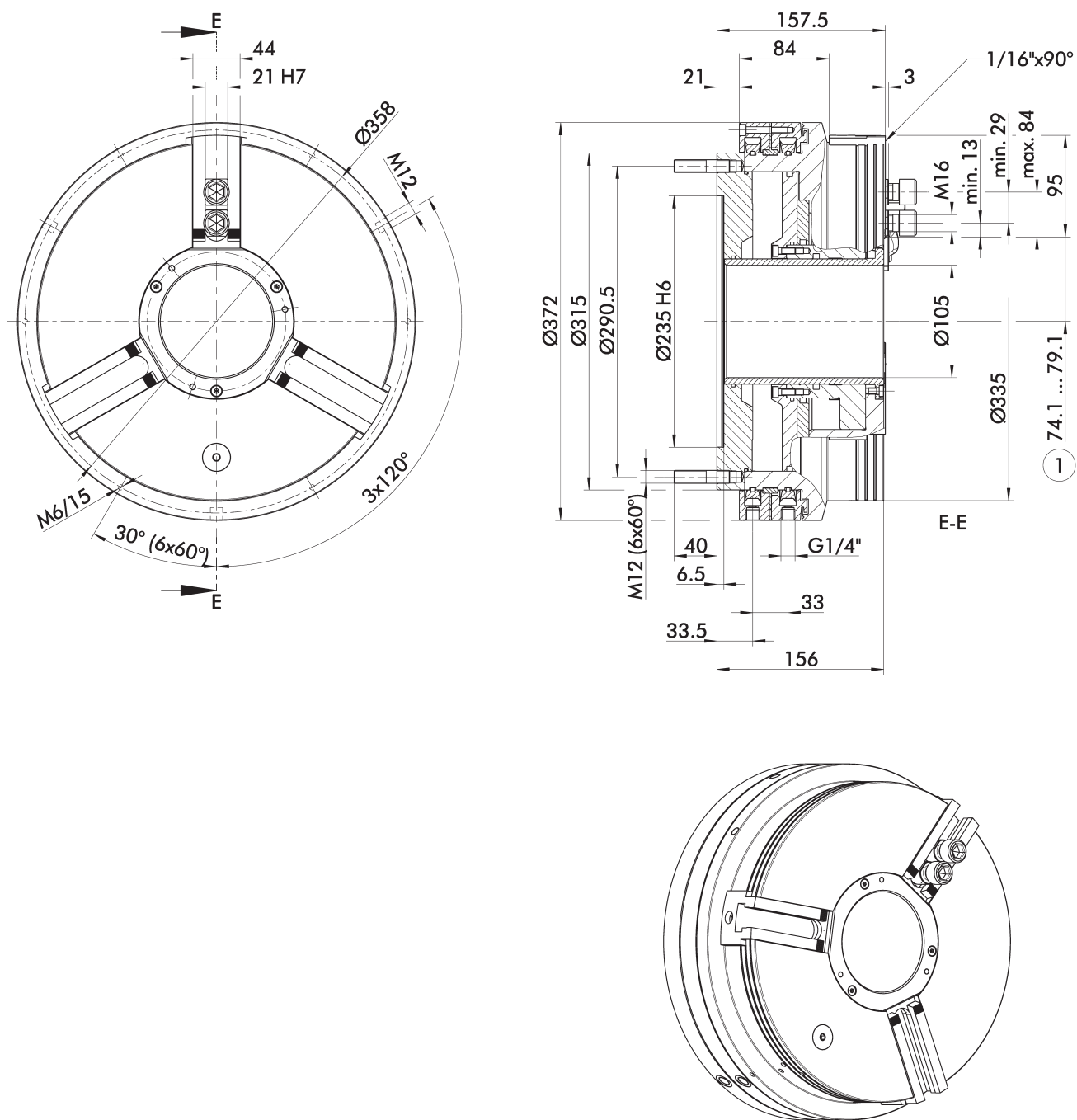
SHB 315
4.6 kg

SWB 250
9.2 kg

SWB-AL 250
3.29 kg

Load of base jaw guidance





Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z235	0816150	2200	3000	100	3 - 8	1.13	78

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{\min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

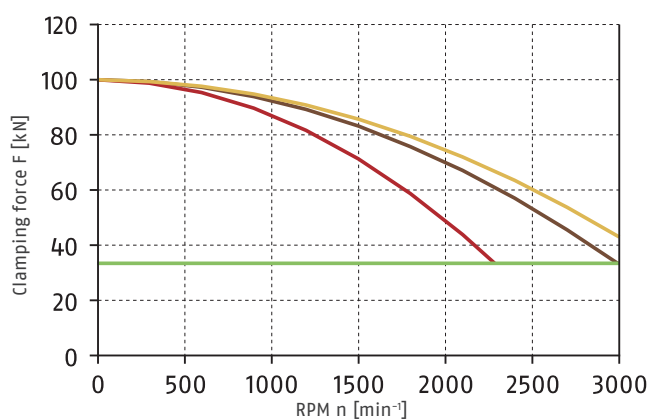
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 315-105	105	5	5	8	88

Clamping force-RPM-diagram



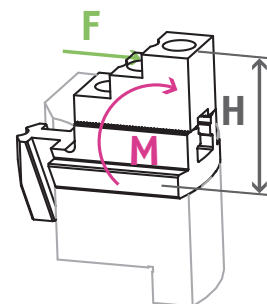
Required minimum clamping force $F_{\text{spmin}} 33\%$

SHB 315
4.6 kg

SWB 250
9.2 kg

SWB-AL 250
3.29 kg

Load of base jaw guidance



$$M_{\max} = 2933 \text{ Nm}$$



18

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. RPM 2	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z235	0816160	2200	2200	90	3 - 8	1.38	79

Scope of delivery

Chuck, distributor ring cover, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Max. RPM 2

"Max. RPM 2" is the maximum RPM with a stationary fastening of distributor ring.

Min. actuation pressure

The minimum actuation pressure is $P_{min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

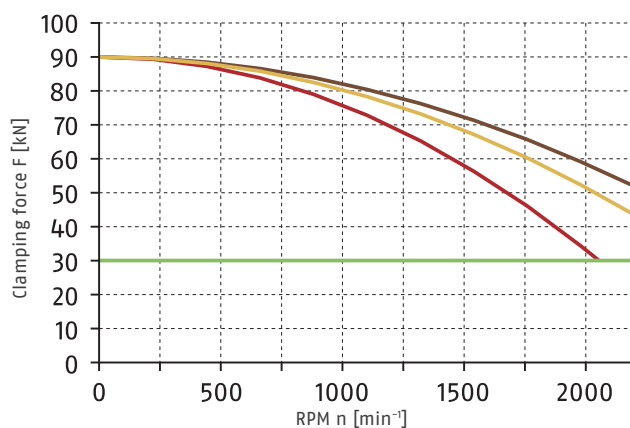
2-jaw chuck

The 2-jaw chuck version is available on request.

Further technical data

Chuck type	Through-hole	Stroke/jaw	Opening/closing time	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[s]	[l]	[mm]
ROTA TP 350-115	115	5	5	7.6	88

Clamping force-RPM-diagram



Required minimum clamping force F_{spmin} 33%

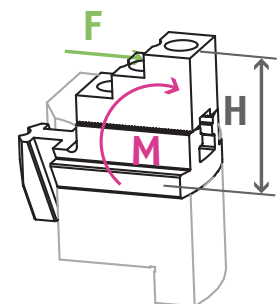
SHB 315
4.6 kg

SWB 250
9.2 kg

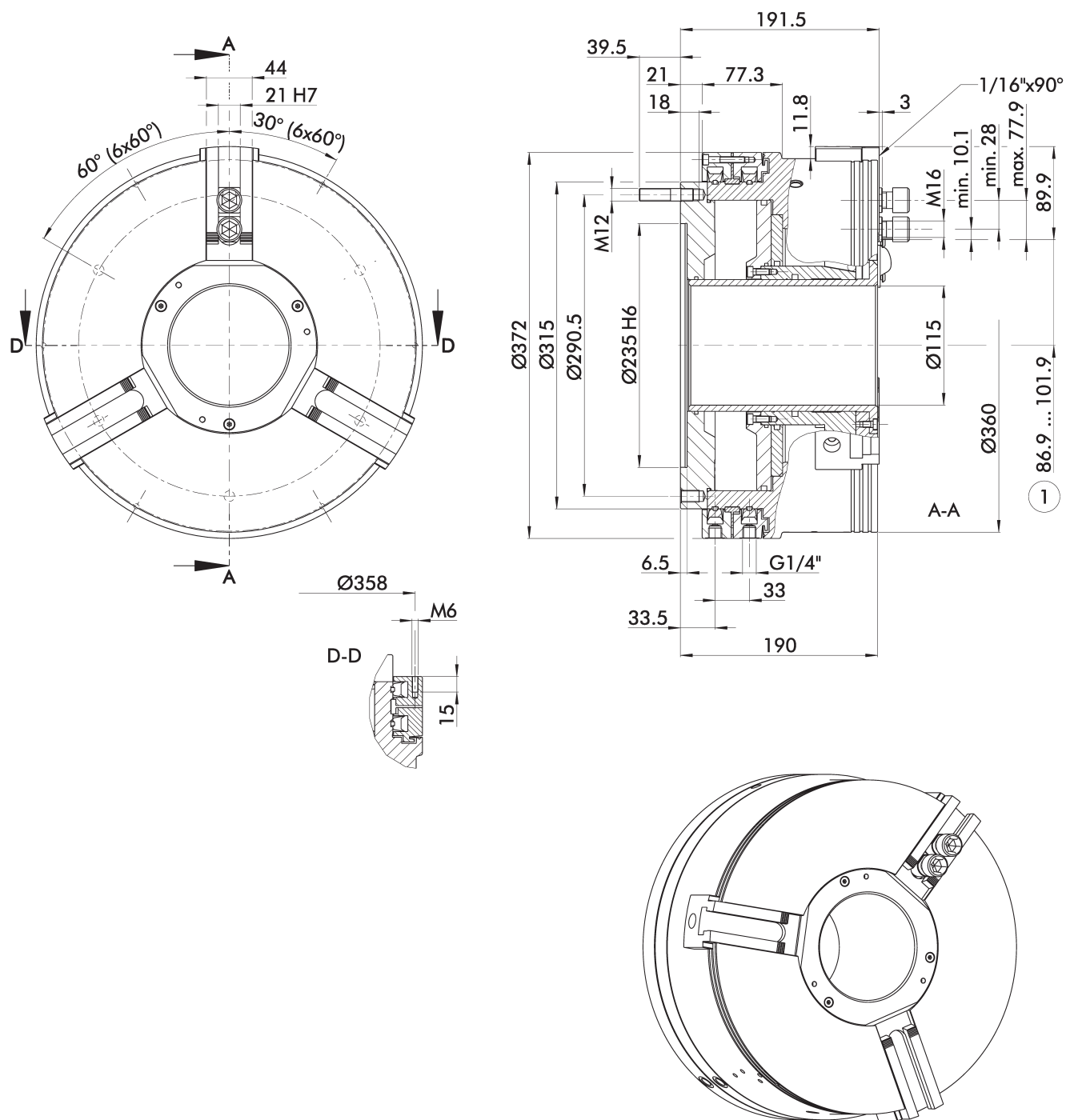
SWB-AL 250
3.29 kg



Load of base jaw guidance



$$M_{max} = 2640 \text{ Nm}$$



Subject to technical changes.

① Distance to center of first tooth

Technical data

Spindle type	Spindle size	ID	Max. RPM 1	Max. clamping force (at 6 bar)	Actuation pressure	Moment of inertia	Weight
			[min ⁻¹]	[kN]	[bar]	[kgm ²]	[kg]
-	Z235	0816170	2200	90	3 - 8	1.6	99

Scope of delivery

Chuck, T-nuts with screws, chuck mounting bolts, 2 elbow-unions R 1/4" on the distributor ring, 1 set-screw to position the distributor ring, 6 double-threaded mounting bolts, 2 couplings for connection to the electro pneumatic control block, spacer ring, operating manual; without distributor ring mounting bracket, without top jaws

Notes

Max. RPM 1

"Max. RPM 1" is the maximum RPM when using a distributor ring with centering ring.

Min. actuation pressure

The minimum actuation pressure is $P_{min} = 3$ bar.

For lower clamping forces, a clamping force reduction can be offered as an option.

Important note for lathe chucks with dual stroke system

Lathe chucks with dual stroke system (LH series) are not allowed to be used for I.D. clamping.

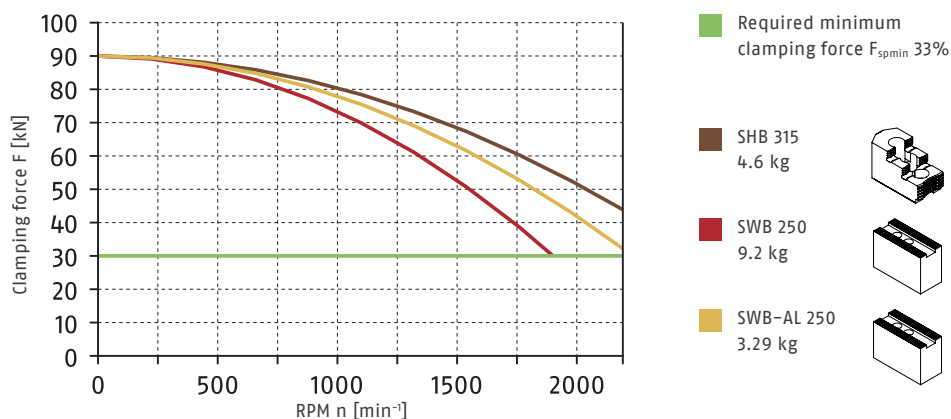
Moreover, no workpieces are allowed to be clamped on the fast jaw stroke, since due to the long jaw strokes the resulting clamping forces are lower.

Please make sure that the whole fast jaw stroke plus at least 1/3 of the clamping stroke (corresponds to the basic covering) of the TP-LH lathe chuck is executed during tool clamping.

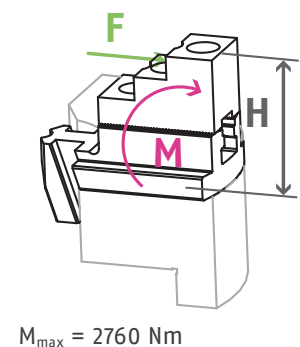
Further technical data

Chuck type	Through-hole	Stroke/jaw	Fast stroke/jaw	Clamping stroke/jaw	Air consumption/jaw stroke at 6 bar	Center jaw height
	[mm]	[mm]	[mm]	[mm]	[l]	[mm]
ROTA TP-LH 350-115	115	15	10	5	11.1	92

Clamping force-RPM-diagram

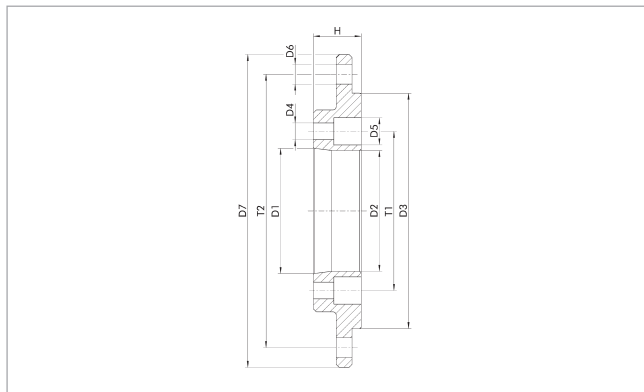


Load of base jaw guidance



Adapter plates

Z-mount on short taper ISO 702-1



Technical data

Description	ID	Suitable for	D1	D2	D3	D4	D5	D6	D7	H	T1	T2
				[mm]		[mm]	[mm]	[mm]		[mm]	[mm]	[mm]
FFV Z120-A3	0836000	ROTA TP 125-26	Nr. 3	51.5	Z120	11 (6x60°)	18	160	9 (6 x 60°)	29	70.6	137
FFV Z120-A4	0836001	ROTA TP 125-26	Nr. 4	61	Z120	11 (6x60°)	18	160	9 (6 x 60°)	29	82.6	137
FFV Z120-A5	0836002	ROTA TP 125-26	Nr. 5	79.6	Z120	11 (6x60°)	18	160	9 (6 x 60°)	29	104.8	137
FFV Z155-A4	0836010	ROTA TP 160-38	Nr. 4	61	Z155	11 (6x60°)	18	205	13 (6 x 60°)	31.5	82.6	180
FFV Z155-A5	0836011	ROTA TP 160-38	Nr. 5	79.6	Z155	11 (6x60°)	18	205	13 (6 x 60°)	31.5	104.8	180
FFV Z155-A6	0836012	ROTA TP 160-38	Nr. 6	103.2	Z155	13 (6 x 60°)	19	205	13 (6 x 60°)	36	133.4	180
FFV Z155-A8	0836013	ROTA TP 160-38	Nr. 8	136.2	Z155	17 (6x60°)	26	220	13 (6 x 60°)	36	171.4	180
FFV Z195-A5	0836020	ROTA TP 200-52	Nr. 5	79.6	Z195	11 (6x60°)	18	248	13 (6 x 60°)	31	104.8	223.8
FFV Z195-A6	0836021	ROTA TP 200-52	Nr. 6	103.2	Z195	13 (6 x 60°)	20	248	13 (6 x 60°)	36	133.4	223.8
FFV Z195-A8	0836022	ROTA TP 200-52	Nr. 8	136.2	Z195	17 (6x60°)	25	248	13 (6 x 60°)	36	171.4	223.8
FFV Z195-A11	0836023	ROTA TP 200-52	Nr. 11	175	Z195	21 (6x60°)	32	280	13 (6 x 60°)	46	235	223.8
FFV Z235-A6	0836030	ROTA TP 250-68	Nr. 6	103	Z235	13 (6 x 60°)	20	315	13 (6 x 60°)	38	133.4	290.5
		ROTA TP 315-105										
		ROTA TP 350-115										
FFV Z235-A8	0836031	ROTA TP 250-68	Nr. 8	136	Z235	17 (6x60°)	25	315	13 (6 x 60°)	40	171.4	290.5
		ROTA TP 315-105										
		ROTA TP 350-115										
FFV Z235-A11	0836032	ROTA TP 250-68	Nr. 11	192.9	Z235	21 (6x60°)	32	315	13 (6 x 60°)	34	235	290.5
		ROTA TP 315-105										
		ROTA TP 350-115										
FFV Z270-A6	0836040	ROTA TP 315-90	Nr. 6	103.2	Z270	13 (6 x 60°)	20	350	13 (6 x 60°)	38	133.4	318
FFV Z270-A8	0836041	ROTA TP 315-90	Nr. 8	136.2	Z270	17 (6x60°)	25	350	13 (6 x 60°)	44	171.4	318
FFV Z270-A11	0836042	ROTA TP 315-90	Nr. 11	192.9	Z270	21 (6x60°)	32	350	13 (6 x 60°)	42	235	318

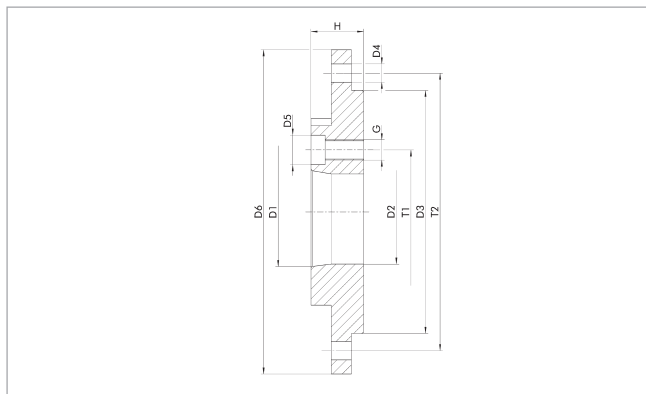
Reduction adapter plates

All flanges on the pneumatic power chuck are designed as reducing flanges.

These are used if the mounting bolt circle of the spindle is smaller than the one of the lathe chuck mounting bolt circle.

The adapter plate is first mounted on the spindle and then the lathe chuck is mounted on the adapter plate.

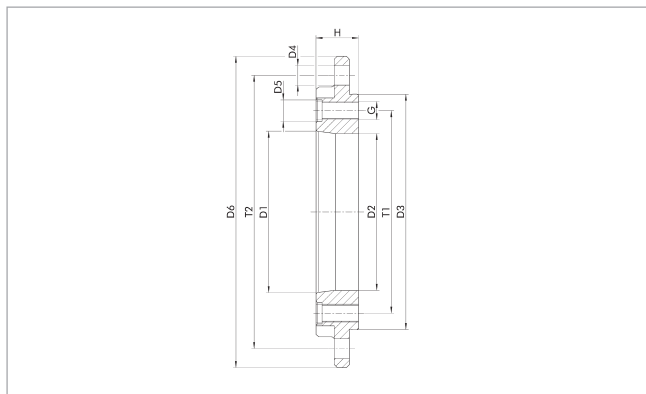
Z-mount on camlock ISO 702-2



Technical data

Description	ID	Suitable for	D1	D2 [mm]	D3	D4 [mm]	D5 [mm]	D6 [mm]	G	H [mm]	T1 [mm]	T2 [mm]
FFV Z120-D3	0836200	ROTA TP 125-26	Nr. 3	51.5	Z120	9 (6 x 60°)	14.6	160	M10x1 (3 x 120°)	26	70.6	137
FFV Z120-D4	0836201	ROTA TP 125-26	Nr. 4	61	Z120	9 (6 x 60°)	16.2	160	M10x1 (3 x 120°)	28	82.6	137
FFV Z120-D5	0836202	ROTA TP 125-26	Nr. 5	79.6	Z120	9 (6 x 60°)	19.4	160	M12x1 (6 x 60°)	24	104.8	137
FFV Z155-D4	0836210	ROTA TP 160-38	Nr. 4	61	Z155	13 (6 x 60°)	16.2	205	M10x1 (3 x 120°)	30	82.6	180
FFV Z155-D5	0836211	ROTA TP 160-38	Nr. 5	79.6	Z155	13 (6 x 60°)	19.4	206	M12x1 (6 x 60°)	30	104.8	180
FFV Z155-D6	0836212	ROTA TP 160-38	Nr. 6	103.2	Z155	13 (6 x 60°)	22.6	206	M16x1.5 (6 x 60°)	35	133.4	180
FFV Z195-D5	0836220	ROTA TP 200-52	Nr. 5	79.6	Z195	13 (6 x 60°)	19.4	248	M12x1 (6 x 60°)	30	104.8	223.8
FFV Z195-D6	0836221	ROTA TP 200-52	Nr. 6	103.2	Z195	13 (6 x 60°)	22.6	248	M16x1.5 (6 x 60°)	35	133.4	223.8
FFV Z195-D8	0836222	ROTA TP 200-52	Nr. 8	136.2	Z195	13 (6 x 60°)	25.8	248	M20x1.5 (6 x 60°)	38	171.4	223.8
FFV Z195-D11	0836223	ROTA TP 200-52	Nr. 11	175	Z195	13 (6 x 60°)	30.6	298	M22x1.5 (6 x 60°)	51	235	223.8
FFV Z235-D6	0836230	ROTA TP 250-68 ROTA TP 315-105 ROTA TP 350-115	Nr. 6	103.2	Z235	13 (6 x 60°)	22.6	315	M16x1.5 (6 x 60°)	29	133.4	290.5
FFV Z235-D8	0836231	ROTA TP 250-68 ROTA TP 315-105 ROTA TP 350-115	Nr. 8	136.2	Z235	13 (6 x 60°)	25.8	315	M20x1.5 (6 x 60°)	40	171.4	290.5
FFV Z235-D11	0836232	ROTA TP 250-68 ROTA TP 315-105 ROTA TP 350-115	Nr. 11	192.9	Z235	13 (6 x 60°)	30.6	315	M22x1.5 (6 x 60°)	51	235	290.5
FFV Z270-D6	0836240	ROTA TP 315-90	Nr. 6	103.2	Z270	13 (6 x 60°)	22.6	350	M16x1.5 (6 x 60°)	35	133.4	318
FFV Z270-D8	0836241	ROTA TP 315-90	Nr. 8	136.2	Z270	13 (6 x 60°)	25.8	350	M20x1.5 (6 x 60°)	40	171.4	318
FFV Z270-D11	0836242	ROTA TP 315-90	Nr. 11	192.9	Z270	13 (6 x 60°)	30.6	350	M22x1.5 (6 x 60°)	45	235	318

Z-mount on bayonet ISO 702-3

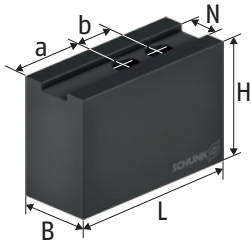


Technical data

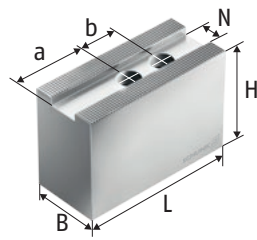
Description	ID	Suitable for	D1	D2 [mm]	D3	D4 [mm]	D5 [mm]	D6 [mm]	G	H [mm]	T1 [mm]	T2 [mm]
FFV Z155-C6	0836112	ROTA TP 160-38	Nr. 6	103.2	Z155	13 (6 x 60°)	14	205	M12 (4 x 90°)	28	133.4	180
FFV Z195-C6	0836121	ROTA TP 200-52	Nr. 6	103.2	Z195	13 (6 x 60°)	14	248	M12 (4 x 90°)	26	133.4	223.8
FFV Z195-C8	0836122	ROTA TP 200-52	Nr. 8	136.2	Z195	13 (6 x 60°)	18	248	M16 (4 x 90°)	28	171.4	223.8
FFV Z235-C6	0836130	ROTA TP 250-68	Nr. 6	103	Z235	13 (6 x 60°)	14	315	M12 (4 x 90°)	30	133.4	290.5
		ROTA TP 250-68										
		ROTA TP 315-105										
FFV Z235-C8	0836131	ROTA TP 350-115	Nr. 8	136	Z235	13 (6 x 60°)	18	315	M16 (4 x 90°)	30	171.4	290.5
		ROTA TP 250-68										
		ROTA TP 315-105										
FFV Z235-C11	0836132	ROTA TP 350-115	Nr. 11	192.9	Z235	13 (6 x 60°)	22	315	M20 (6 x 60°)	30	235	290.5

Soft top jaws

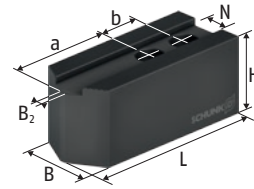
with fine serration 90°



SP-WB
Soft top jaws



SWB-AL
Soft top jaws



SWBL
Soft top jaws

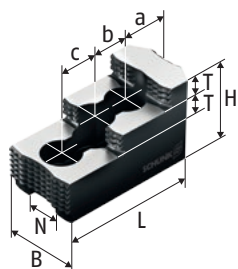
Technical data

Chuck type	Description	ID	N [mm]	B [mm]	H [mm]	L [mm]	a [mm]	b [mm]	Screws	m/SET [kg]
ROTA TP 125-26	SP-WB 125	0124100	11	30	40	55.5	27.5	18	M8	1.3
ROTA TP 160-38	SWBL 165	0120152	14	35	40	80	45	20	M10	2.1
ROTA TP 160-38	SWB 165	0120101	14	35	60	68	33	20	M10	2.5
ROTA TP 160-38	SWB-AL 165	0168105	14	35	60	80	45	20	M10	1.2
ROTA TP 200-52	SWBL 200	0120153	17	35	40	98	61	22	M12	2.6
ROTA TP 200-52	CWB 200	0100006	17	40	40	90	43	22	M12	2.7
ROTA TP 200-52	SWB 200	0120104	17	40	60	90	43	22	M12	4.1
ROTA TP 200-52	SWB-AL 200	0168101	17	40	60	90	43	22	M12	1.5
ROTA TP 250-68	SWBL 250-21	0120155	21	50	50	120	72	28	M16	5.4
ROTA TP 250-68	CWB 251	0100012	21	50	60	95	52	28	M16	5.2
ROTA TP 250-68	SWB 250	0120105	21	50	80	120	62	28	M16	9.2
ROTA TP 250-68	SWB-AL 250	0168102	21	50	80	120	62	28	M16	3.3
ROTA TP 315-90	SWBL 250-21	0120155	21	50	50	120	72	28	M16	5.4
ROTA TP 315-90	CWB 251	0100012	21	50	60	95	52	28	M16	5.2
ROTA TP 315-90	SWB 250	0120105	21	50	80	120	62	28	M16	9.2
ROTA TP 315-90	SWB-AL 250	0168102	21	50	80	120	62	28	M16	3.3
ROTA TP 315-105	SWBL 250-21	0120155	21	50	50	120	72	28	M16	5.4
ROTA TP 315-105	CWB 251	0100012	21	50	60	95	52	28	M16	5.2
ROTA TP 315-105	SWB 250	0120105	21	50	80	120	62	28	M16	9.2
ROTA TP 315-105	SWB-AL 250	0168102	21	50	80	120	62	28	M16	3.3
ROTA TP 350-115	SWBL 250-21	0120155	21	50	50	120	72	28	M16	5.4
ROTA TP 350-115	CWB 251	0100012	21	50	60	95	52	28	M16	5.2
ROTA TP 350-115	SWB 250	0120105	21	50	80	120	62	28	M16	9.2
ROTA TP 350-115	SWB-AL 250	0168102	21	50	80	120	62	28	M16	3.3
ROTA TP-LH 350-115	SWBL 250-21	0120155	21	50	50	120	72	28	M16	5.4
ROTA TP-LH 350-115	CWB 251	0100012	21	50	60	95	52	28	M16	5.2
ROTA TP-LH 350-115	SWB 250	0120105	21	50	80	120	62	28	M16	9.2
ROTA TP-LH 350-115	SWB-AL 250	0168102	21	50	80	120	62	28	M16	3.3

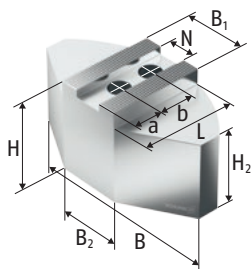
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Hard stepped top jaws, Full grip jaws

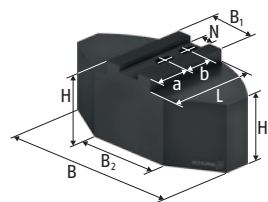
with fine serration 90°



SHB
Hard stepped top jaws



SWB-SA
Full grip jaws



SWB-SM
Full grip jaws

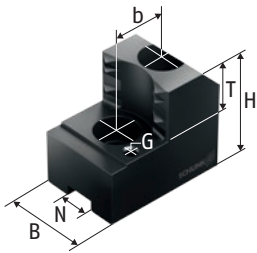
Technical data

Chuck type	Description	ID	N [mm]	B [mm]	B1 [mm]	H [mm]	H2 [mm]	L [mm]	T [mm]	a [mm]	b [mm]	c [mm]	Screws	m/SET [kg]
ROTA TP 125-26	SHB 125	0125100	11	26		40		58.5	9	14.5	16	16	M8	0.7
ROTA TP 160-38	SWB-SA 165	0170099	14	120	40	58	48	59.5		25	20		M10	2.2
ROTA TP 160-38	SWB-SM 165	0169099	14	120	40	60	50	59.5		24.5	20		M10	6.0
ROTA TP 160-38	SHB 165	0121101	14	30		46		79.7	11	16.6	22	22	M10	1.3
ROTA TP 200-52	SWB-SA 200	0170101	17	140	40	58	48	72.5		35	22		M12	3.1
ROTA TP 200-52	SWB-SA 201	0170106	17	140	40	75	65	72.5		35	22		M12	4.2
ROTA TP 200-52	SWB-SM 200	0169101	17	140	40	60	50	69.5		35	22		M12	8.6
ROTA TP 200-52	SWB-SM 201	0169106	17	140	40	75	65	69.5		35	22		M12	11.5
ROTA TP 200-52	SHB 210	0121102	17	40		49		84.3	12	28.7	19	19	M12	2.0
ROTA TP 250-68	SWB-SA 250-21	0170103	21	180	50	78	63	87.5		40	28		M16	6.3
ROTA TP 250-68	SWB-SA 251	0170107	21	180	50	100	85	87.5		40	28		M16	8.3
ROTA TP 250-68	SWB-SM 250-21	0169103	21	180	50	70	55	80		29	28		M16	14.5
ROTA TP 250-68	SWB-SM 251	0169107	21	180	50	100	85	80		30	28		M16	22.0
ROTA TP 250-68	SHB 250	0121105	21	50		58		103.5	14	34	25	25	M16	3.5
ROTA TP 315-90	SWB-SA 315	0170104	21	240	50	78	63	117		70	28		M16	11.0
ROTA TP 315-90	SWB-SM 315	0169104	21	240	50	70	55	110		60	28		M16	26.6
ROTA TP 315-90	SHB 315	0121111	21	50		58		128	14	46	30	30	M16	4.6
ROTA TP 315-105	SWB-SA 315	0170104	21	240	50	78	63	117		70	28		M16	11.0
ROTA TP 315-105	SWB-SM 315	0169104	21	240	50	70	55	110		60	28		M16	26.6
ROTA TP 315-105	SHB 315	0121111	21	50		58		128	14	46	30	30	M16	4.6
ROTA TP 350-115	SWB-SA 315	0170104	21	240	50	78	63	117		70	28		M16	11.0
ROTA TP 350-115	SWB-SM 315	0169104	21	240	50	70	55	110		60	28		M16	26.6
ROTA TP 350-115	SHB 315	0121111	21	50		58		128	14	46	30	30	M16	4.6
ROTA TP-LH 350-115	SWB-SA 315	0170104	21	240	50	78	63	117		70	28		M16	11.0
ROTA TP-LH 350-115	SWB-SM 315	0169104	21	240	50	70	55	110		60	28		M16	26.6
ROTA TP-LH 350-115	SHB 315	0121111	21	50		58		128	14	46	30	30	M16	4.6

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Claw jaws

with fine serration 90°



SZA
Claw jaws

Technical data

Chuck type	Clamping range ØD	Swing diameter SDmax	Description	ID	N	B	H	L	T	G	b	Screws	m/SET
	[mm]	[mm]			[mm]	[mm]	[mm]	[mm]	[mm]		[mm]		[kg]
ROTA TP 160-38	32 - 61	183	SZA 17-1	0122260	14	30	47	71.5	20	M6	20	M10	1.2
ROTA TP 160-38	54 - 84	185	SZA 17-2	0122261	14	30	47	61.9	20	M6	20	M10	1.0
ROTA TP 160-38	80 - 111	187	SZA 17-3	0122262	14	30	47	58.7	20	M6	20	M10	1.0
ROTA TP 160-38	106 - 137	195	SZA 17-4	0122263	14	35	47	60.3	20	M6	20	M10	1.2
ROTA TP 200-52	33 - 76	225	SZA 20-14	0138195	17	35	50	85	25	M6	22	M12	1.8
ROTA TP 200-52	60 - 104	225	SZA 20-15	0138196	17	35	50	72.9	25	M6	22	M12	1.5
ROTA TP 200-52	89 - 134	225	SZA 20-16	0138197	17	40	50	65.1	25	M6	22	M12	1.5
ROTA TP 200-52	116 - 161	227	SZA 20-17	0138198	17	40	50	66.7	25	M6	22	M12	1.6
ROTA TP 200-52	146 - 191	251	SZA 20-18	0138199	17	40	50	71.4	25	M6	22	M12	1.8
ROTA TP 250-68	53 - 108	276	SZA 25-37	0138180	21	50	58	95.9	25	M8	28	M16	3.3
ROTA TP 250-68	93 - 148	276	SZA 25-38	0138181	21	50	58	81	25	M8	28	M16	2.9
ROTA TP 250-68	142 - 198	279	SZA 25-39	0138182	21	50	58	76.2	25	M8	28	M16	2.7
ROTA TP 250-68	189 - 245	316	SZA 25-40	0138183	21	50	58	90.5	25	M8	28	M16	3.2
ROTA TP 315-90	51 - 147	348	SZA 31-10	0138184	21	50	58	115.4	25	M8	28	M16	3.4
ROTA TP 315-90	109 - 205	349	SZA 31-11	0138185	21	50	58	92.1	25	M8	28	M16	3.4
ROTA TP 315-90	174 - 271	347	SZA 31-12	0138186	21	50	58	87.3	25	M8	28	M16	3.2
ROTA TP 315-90	238 - 320	392	SZA 31-13	0138187	21	50	58	111.1	25	M8	28	M16	4.7
ROTA TP 315-105	74 - 164	365	SZA 31-10	0138184	21	50	58	115.4	25	M8	28	M16	3.4
ROTA TP 315-105	132 - 222	366	SZA 31-11	0138185	21	50	58	92.1	25	M8	28	M16	3.4
ROTA TP 315-105	198 - 288	364	SZA 31-12	0138186	21	50	58	87.3	25	M8	28	M16	3.2
ROTA TP 315-105	262 - 335	407	SZA 31-13	0138187	21	50	58	111.1	25	M8	28	M16	4.7
ROTA TP 350-115	84 - 176	377	SZA 31-10	0138184	21	50	58	115.4	25	M8	28	M16	3.4
ROTA TP 350-115	142 - 234	378	SZA 31-11	0138185	21	50	58	92.1	25	M8	28	M16	3.4
ROTA TP 350-115	208 - 300	376	SZA 31-12	0138186	21	50	58	87.3	25	M8	28	M16	3.2
ROTA TP 350-115	272 - 350	423	SZA 31-13	0138187	21	50	58	111.1	25	M8	28	M16	4.7
ROTA TP-LH 350-115	94 - 178	378	SZA 31-10	0138184	21	50	58	115.4	25	M8	28	M16	3.4
ROTA TP-LH 350-115	152 - 235	379	SZA 31-11	0138185	21	50	58	92.1	25	M8	28	M16	3.4
ROTA TP-LH 350-115	217 - 301	377	SZA 31-12	0138186	21	50	58	87.3	25	M8	28	M16	3.2
ROTA TP-LH 350-115	281 - 360	433	SZA 31-13	0138187	21	50	58	111.1	25	M8	28	M16	4.7

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T-nut

with fine serration 90°



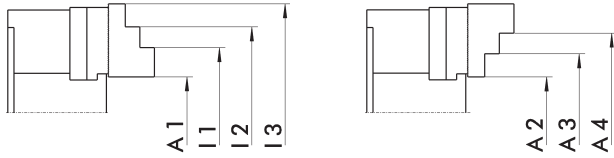
NS
T-nut

Chuck type	Description	ID	N	B	H	H1	L	Cyl.-screw	Max. adm. tightening torque
			[mm]	[mm]	[mm]	[mm]	[mm]		[Nm]
ROTA TP 125-26	NS 81	0143100	11	15.9	21	7	14.3	M8 x 30	30
ROTA TP 160-38	NS 102	0143101	14	19.8	25.5	8.5	17.3	M10 x 35	50
ROTA TP 200-52	NS 126	0143102	17	22.4	27	9	19.3	M12 x 35	70
ROTA TP 250-68	NS 164	0143108	21	28.4	30	11	24.3	M16 x 35	150
ROTA TP 315-90	NS 164	0143108	21	28.4	30	11	24.3	M16 x 35	150
ROTA TP 315-105	NS 164	0143108	21	28.4	30	11	24.3	M16 x 35	150
ROTA TP 350-115	NS 164	0143108	21	28.4	30	11	24.3	M16 x 35	150
ROTA TP-LH 350-115	NS 164	0143108	21	28.4	30	11	24.3	M16 x 35	150

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Hard stepped top jaws

with fine serration 90°



Jaw position I

Jaw position II

O.D. clamping

Chuck type	Description	ID	A1 [mm]	A2 [mm]	A3 [mm]	A4 [mm]
ROTA TP 125-26	SHB 125	0125100	4 - 52	18 - 60	56 - 92	88 - 124
ROTA TP 160-38	SHB 165	0121101	8 - 54	20 - 74	70 - 118	114 - 151
ROTA TP 200-52	SHB 210	0121102	12 - 102	38 - 92	88 - 138	134 - 196
ROTA TP 250-68	SHB 250	0121105	16 - 126	39 - 125	121 - 198	194 - 255
ROTA TP 315-90	SHB 315	0121111	16 - 160	45 - 141	137 - 233	229 - 320
ROTA TP 315-105	SHB 315	0121111	25 - 177	69 - 165	161 - 257	253 - 335
ROTA TP 350-115	SHB 315	0121111	35 - 189	79 - 175	171 - 267	263 - 350
ROTA TP-LH 350-115	SHB 315	0121111	45 - 210	89 - 185	181 - 277	273 - 360

I.D. clamping

Chuck type	Description	ID	I1 [mm]	I2 [mm]	I3 [mm]
ROTA TP 125-26	SHB 125	0125100	52 - 88	84 - 125	121 - 169
ROTA TP 160-38	SHB 165	0121101	74 - 122	118 - 172	168 - 210
ROTA TP 200-52	SHB 210	0121102	87 - 137	133 - 185	181 - 265
ROTA TP 250-68	SHB 250	0121105	69 - 146	142 - 226	222 - 325
ROTA TP 315-90	SHB 315	0121111	88 - 184	180 - 275	271 - 380
ROTA TP 315-105	SHB 315	0121111	97 - 193	189 - 284	280 - 380
ROTA TP 350-115	SHB 315	0121111	107 - 203	199 - 294	290 - 415
ROTA TP-LH 350-115	SHB 315	0121111			

Accessories

Clamping force tester

For measuring the jaw clamping force of 2, 3 and 6-jaw chucks up to 6,000 RPM.



Suitable for	Description	ID
ROTA TP 125-26		
ROTA TP 160-38		
ROTA TP 200-52		
ROTA TP 250-68		
ROTA TP 315-90		
ROTA TP 315-105		
ROTA TP 350-115		
ROTA TP-LH 350-115	IFT Set	1404235

Maintenance unit

For processing the required compressed air.



Suitable for	Description	ID
ROTA TP 125-26		
ROTA TP 160-38		
ROTA TP 200-52		
ROTA TP 250-68		
ROTA TP 315-90		
ROTA TP 315-105		
ROTA TP 350-115		
ROTA TP-LH 350-115	WEH 1/4"	0890021

Grease

LINOMAX plus

High-performance grease as standard for regularly lubricating SCHUNK manual and power lathe chucks and steady rests.



Bundle	Description	ID
Cartridge	LINOMAX plus cartridge	1342585
Can	LINOMAX plus can	1342586
Bucket	LINOMAX plus bucket	1342587

Pressure measuring unit

For checking pressure tightness.



Suitable for	Description	ID
ROTA TP 125-26	DMG Ø12-NPT1/4"	8702678
ROTA TP 160-38		
ROTA TP 200-52		
ROTA TP 250-68		
ROTA TP 315-90		
ROTA TP 315-105		
ROTA TP 350-115		
ROTA TP-LH 350-115	DMG Ø20-NPT1/4"	8702679

Grease gun

Auxiliary tools for lubrication of all kinds of SCHUNK products. The grease gun can be used for cartridges of all types of SCHUNK grease.



Bundle	Description	ID
Cartridge	Grease gun	9900543



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