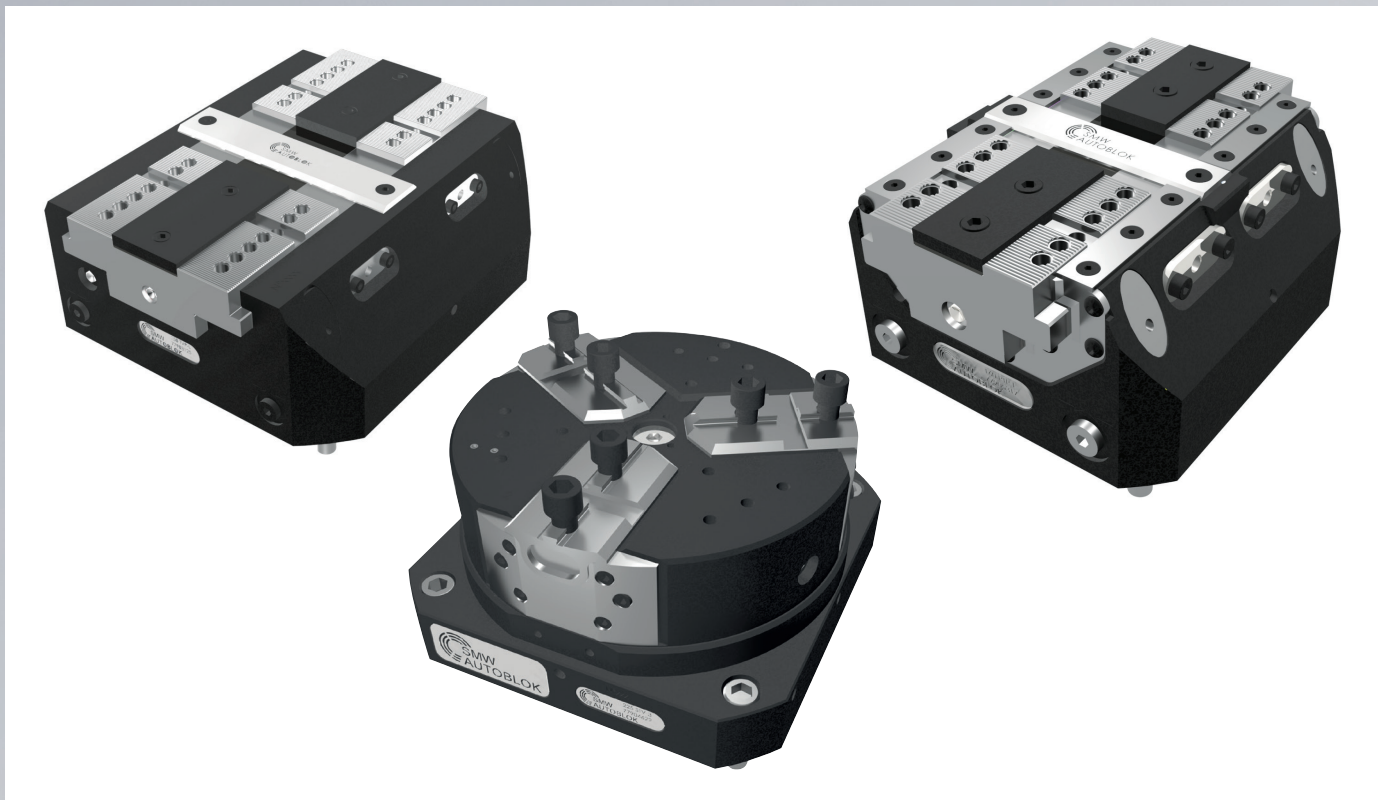


TWIN VISES

Range of products



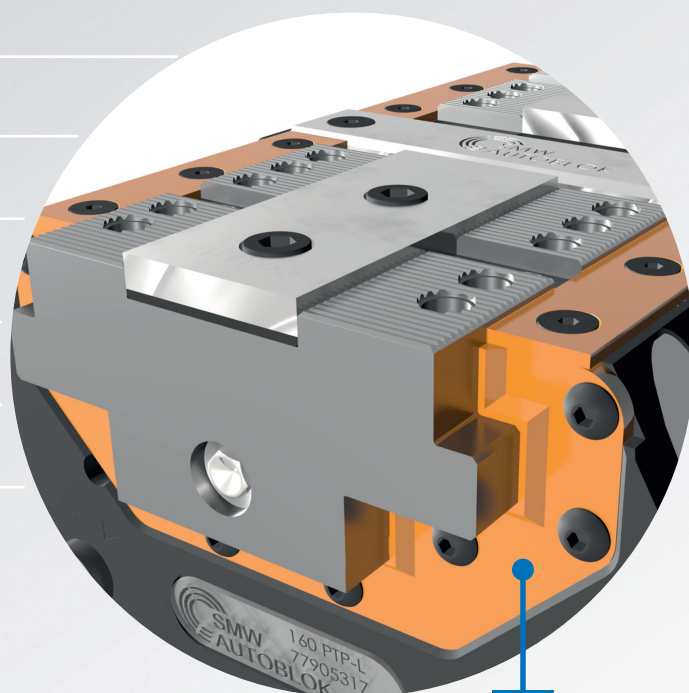
Industry 4.0
Product



1 PT - PROTECTED TWIN VISES

SIZES AVAILABLE 100-125-160-200-250

- ▶ Pneumatic and Hydraulic Version
- ▶ Pneumatic Valve (optional)
- ▶ Air Sensing
- ▶ Master jaws guide protected against swarf and chips **1.1**
- ▶ Normal Stroke
- ▶ Long Stroke
- ▶ Fixed Jaw

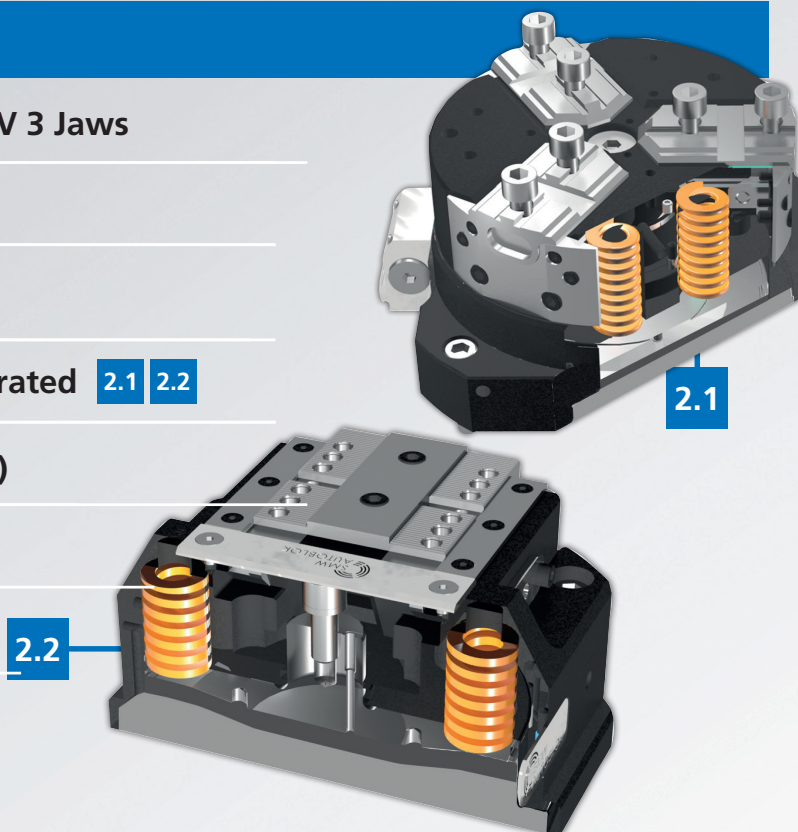


1.1

2 STV - SPRING AND AIR OPERATED TWIN VISES

SIZES AVAILABLE 180-225

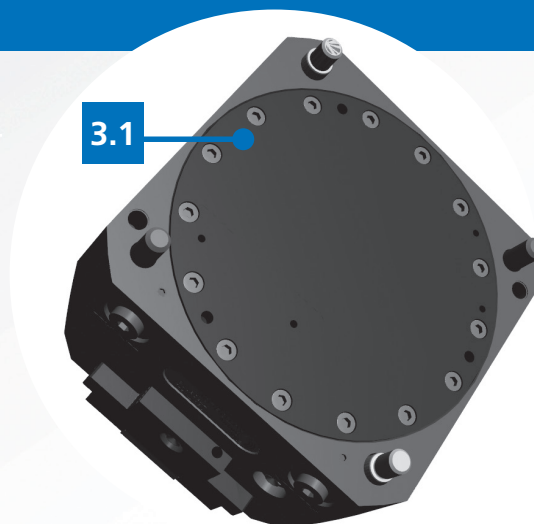
- ▶ STV 2 Jaws (also 125) and STV 3 Jaws
- ▶ Air Sensing
- ▶ Master jaws guide protected against swarf and chips
- ▶ Spring Clamped and Air Operated **2.1** **2.2**
- ▶ Safety Valve SAB-1 (optional)
- ▶ Pneumatic Valve (optional)
- ▶ Normal stroke **2.2**
- ▶ Long stroke



3 TV - STANDARD TWIN VISES

SIZES AVAILABLE 100-160-200-250-315

- ▶ Pneumatic and Hydraulic Version
- ▶ Air Sensing **3.1**
- ▶ Stroke control Proximity (optional)
- ▶ Normal Stroke
- ▶ Long Stroke
- ▶ Fixed Jaw



4 RR - QUICK JAWS CHANGE

PROTECTED TWIN VISE with QUICK CHANGE

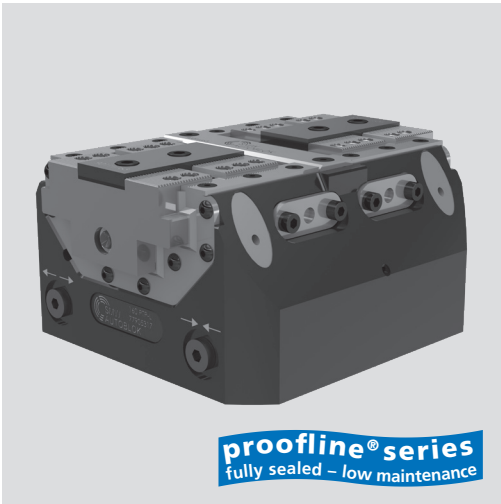
- ▶ Pneumatic and Hydraulic Version
- ▶ Long stroke
- ▶ OD and ID Clamping

PTP-N/PTP-L/PTP-F

PROTECTED PNEUMATIC TWIN VISE

- Pneumatic version
- Pneumatic open / close control (stroke control) master jaws valve

- PTP-N: Normal stroke
- PTP-L: Long stroke
- PTP-F: One fixed jaw



Application/customer benefits

- Compact design
- Master jaws guide protected against swarf and chips (proofline)
- Highest repeatability
- Highest rigidity
- Linear pressure adjustment

Technical features

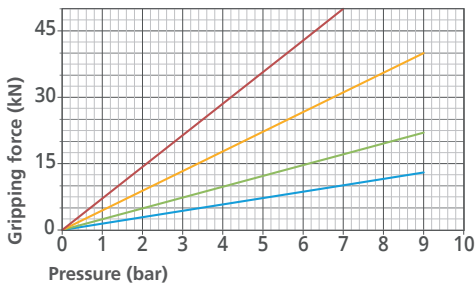
- Housing and functional parts hardened for high precision and long life
- Ready for air purge
- Ready for central grease lubrication
- Master jaws with both Tongue & Groove and fine serration 1.5 mm x 60°
- OD and ID clamping
- Pneumatic open / close control (stroke control) master jaws valve (optional)
- Air sensing
- Lubrication with SMW-AUTOBLOK K67 grease
- Stroke control via proximity switches (optional) on all types and sizes except 100 PTP-F
- 100 PTP-F only one stroke control via proximity switch for full closed vise

Standard equipment

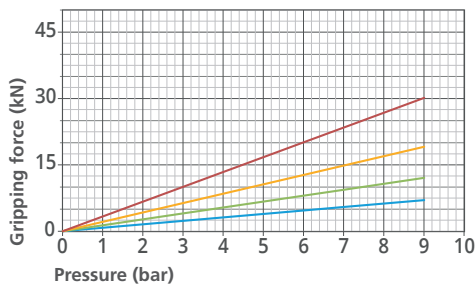
Self-centering vise without top jaws
All bolts and centering bushings included

Gripping force diagrams

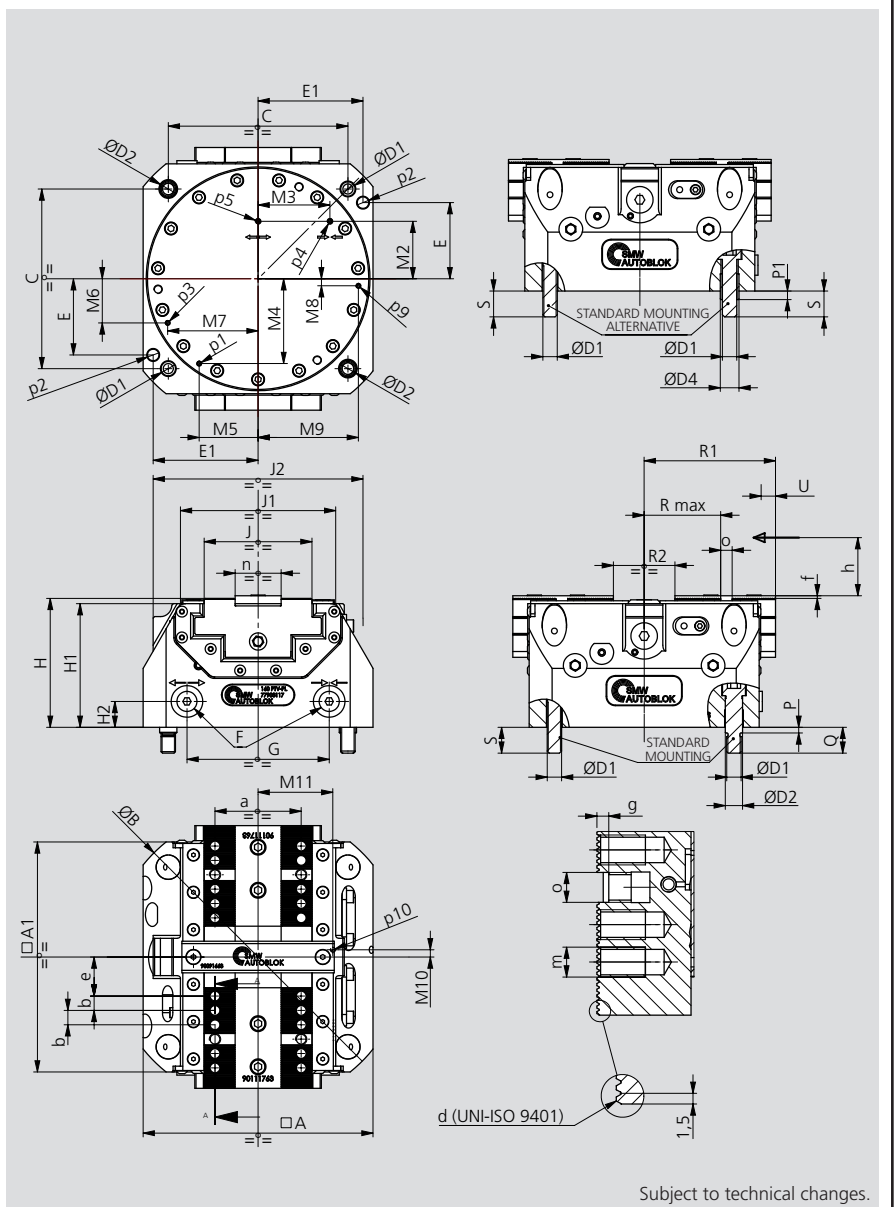
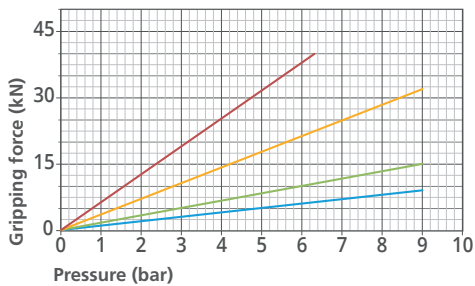
PTP-N ■ 100 ■ 125 ■ 160 ■ 200



PTP-L ■ 100 ■ 125 ■ 160 ■ 200



PTP-F ■ 100 ■ 125 ■ 160 ■ 200



Subject to technical changes.

PTP-N/PTP-L/PTP-F

- Pneumatic version
- Pneumatic open / close control (stroke control) master jaws valve

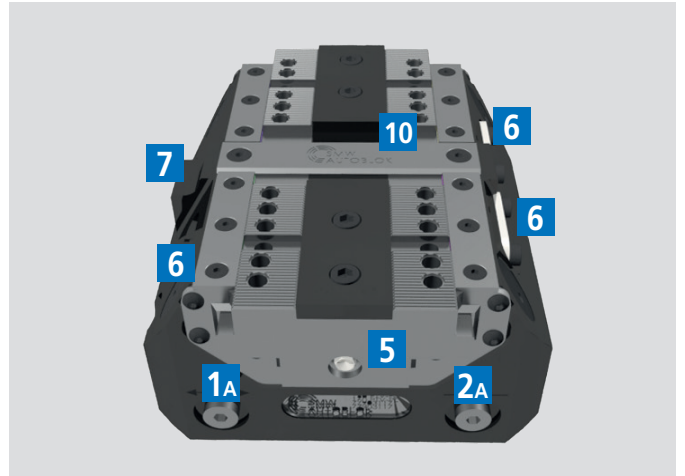
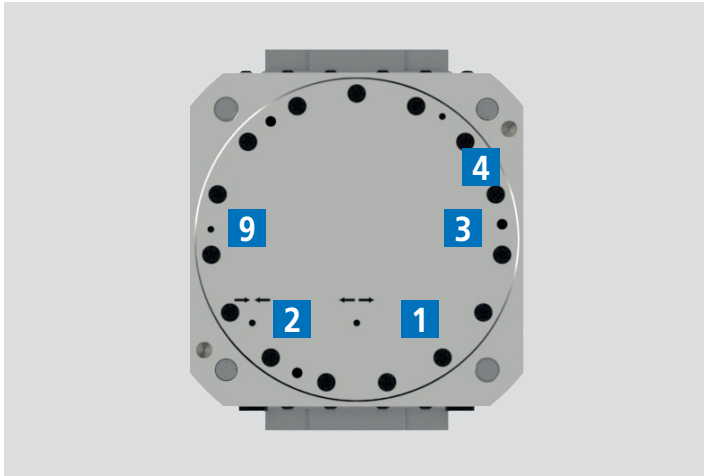
- PTP-N: Normal stroke
- PTP-L: Long stroke
- PTP-F: One fixed jaw

PROTECTED PNEUMATIC TWIN VISE

Type	Id. No.	Stroke type	Stroke / jaw [mm]	Max. Clamping force [kN]	Piston area [cm ²]	Max. Operating pressure [bar]	Repeatability [mm]	Weight [kg]
100 PTP-N	77905211	NORMAL	2.6	13	45	9	0.01	5.5
100 PTP-L	77905311	LONG	6	7				
100 PTP-F	77905411	FIXED JAW	6	9				
125 PTP-N	77905212	NORMAL	2.6	22	78	9	0.01	7
125 PTP-L	77905312	LONG	6	12				
125 PTP-F	77905412	FIXED JAW	6	15				
160 PTP-N	77905217	NORMAL	3	40	128	9	0.01	13
160 PTP-L	77905317	LONG	8.4	19				
160 PTP-F	77905417	FIXED JAW	8.4	32				
200 PTP-N	77905221	NORMAL	4.2	50	194	7	0.02	23
200 PTP-L	77905321	LONG	10.2	30		9		
200 PTP-F	77905421	FIXED JAW	10.2	38		6		

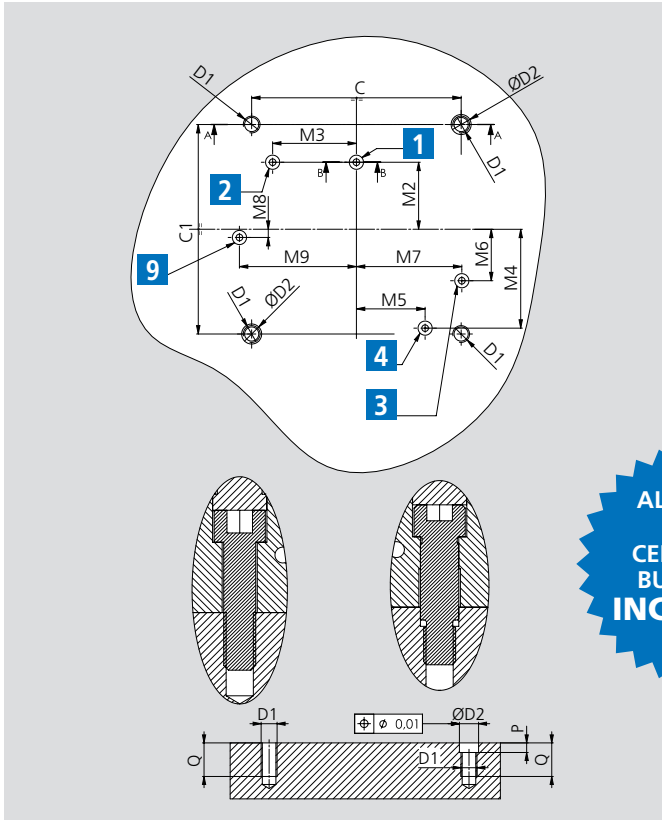
PTP		100	125	160	200	
	A	mm	100	125	160	200
	A1	mm	110	125	160	200
	B(Ø)	mm	136	162	205	255
	C	mm	80	100	125	160
	D1(Ø)	mm	M8	M8	M10	M12
	D2 (Øf7)	mm	10	10	12	14
	D4 (Øjs7)	mm	11	11	13	16
	E	mm	32	/	53	73
	E1	mm	45	/	73	92
	F	mm	M5	M5	G1/8"	G1/8"
	G	mm	59	59	99	127
	H	mm	75.5	80.5	89.7	97
	H1	mm	72	77	86	93
	H2	mm	15	17	18	18
	J	mm	47	47	75	94
	J1	mm	82	100	108	144
	J2	mm	100	121	146	166
	M2	mm	32	32	40	50
	M3	mm	29.5	29.5	50	65
	M4	mm	34.2	40.5	59	72.8
	M5	mm	27.7	38.5	41	52.9
	M6	mm	14.2	10.6	30.7	39.5
	M7	mm	41.1	54.5	62.9	80.9
	M8	mm	8.3	4.8	4.9	9.4
	M9	mm	42.7	55.3	69.8	89.5
	M10	mm	5	5	5	8
	M11	mm	34	34	52	60
	P	mm	4	4	4	5
	P1	mm	4	4	6	6
	Q	mm	15	15	18	20
Min/max (long stroke)	R max	mm	25.6/31.6	25.6/31.6	44.8/53.2	54.5/64.7
Min/max (normal stroke)	R max	mm	25.4/28	25.4/28	45/48	54.5/58.7
Min/max (fixed jaw)	R max	mm	25.6/31.6	25.6/31.6	44.8/53.2	54.5/64.7
Min/max (long stroke)	R1	mm	57.5/63.5	64.5/70.5	82.5/90.9	102.5/112.7
Min/max (normal stroke)	R1	mm	57.4/60	64.4/67	82.5/85.5	102.8/107
Min/max (fixed jaw)	R1	mm	57.5/63.5	64.5/70.5	82.5/90.9	102.5/112.7
Min/max (long stroke)	R2	mm	20/32	20/32	26/42.8	30/50.4
Min/max (normal stroke)	R2	mm	19.8/25	19.8/25	26/32	30.6/39
Min/max (fixed jaw)	R2	mm	20/26	20/26	26/34.4	30/40.2
	S	mm	15	15	18	20
Long stroke	U	mm	6	6	8.4	10.2
Normal stroke	U	mm	2.6	2.6	3	4.2
Fixed jaw	U	mm	6	6	8.4	10.2
	a	mm	35	35	60	80
	b	mm	7	7	10	10
Serration	d	mm	1.5x60°	1.5x60°	1.5x60°	1.5x60°
Min/max (long stroke) (fixed jaw)	e	mm	14.6/20.6	14.6/20.6	18.8/27.2	28.5/38.7
Min/max (normal stroke)	e	mm	14.4/17	14.4/17	19/22	28.5/32.7
	f	mm	1.8	1.8	1.8	2
	g	mm	2.7	2.7	3.2	4
	h	mm	16	16	25	35
	m	mm	M6x10	M6x10	M8x12	M8x12
	n (g6)	mm	20	20	32	40
	o (H7)	mm	6	6	8	8
Lubrication fitting	p1	mm	M4	M4	M4	M4
	p2 (øH7)	mm	/	/	8x14	8x14
Pneumatic open/close- stroke control m.Jaws or air purge	p3	mm	M4	M4	M4	M4
Vise close	p4	mm	M4	M4	M4	M4
Vise open	p5	mm	M4	M4	M4	M4
Air sensing connection	p9	mm	M4	M4	M4	M4
Air sensing outlet (under front plate)	p10	mm	M4	M4	M4	M4

- Mounting instructions
- also for the RR version



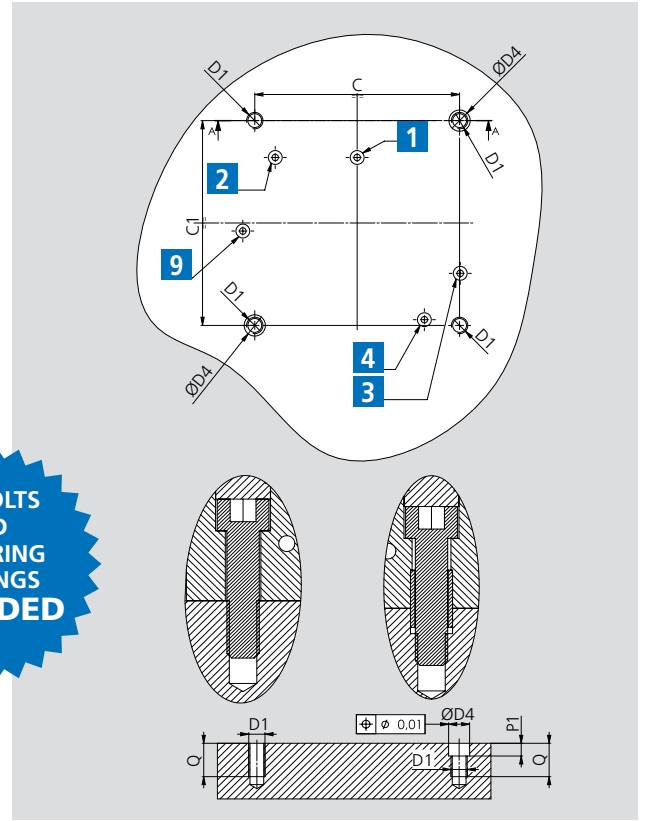
SOLUTION 1 STANDARD

± 0.03 mm to clamping center



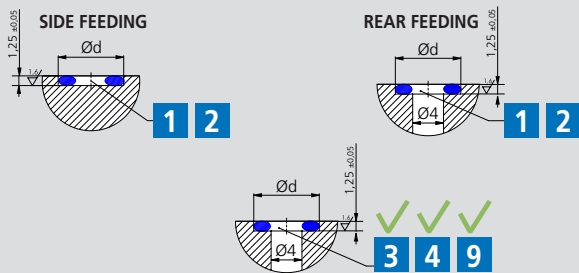
SOLUTION 2 STANDARD

± 0.025 mm to clamping center



ALL BOLTS AND CENTERING BUSHINGS INCLUDED

FEEDING SEATS: OBLIGATED EXECUTION



- 1** Open-Rear feeding
- 2** Closed-Rear feeding
- 3** Pneumatic open / close stroke control or air purge connection*
- 1A** Open-Side feeding
- 2A** Closed-Side feeding
- 4** Central lubrication
- 5** Lubrication fitting
- 6** Proximity switch seats
- 7** Pneumatic open/close-stroke control-m.j.valve (optional)
- 9** Air sensing connection (only bottom)
- 10** Air sensing outlet (under front plate)

*The air purge can be used only without the valve.

PT	C	C1	D1	D2H7	D4H7	M2	M3	M4	M5	M6	M7	M8	M9	P	P1	Q	Ød	OR
100	80	80	M8	10	11	32	29.5	34.2	27.7	14.2	41.1	7	43	6	6	18	8	OR2018
125	100	100	M8	10	11	32	29.5	40.5	38.5	10.6	54.5	4.8	55.3	6	6	18	8	OR2018
160	125	125	M10	12	13	40	50	59	41	30.7	62.9	4.9	69.8	6	7	21	8	OR2018
200	160	160	M12	14	16	50	65	72.8	52.9	39.5	80.9	9.4	89.5	7	7	24	8.8	OR2021
250	180	200	M12	14	16	80	45	89.8	65.2	0	92	6.7	76.7	7	7	24	8.8	OR2021