



Strong and Compact Power Vices

Power vices can be pneumatic, hydraulic or spring actuated, self-centering or with a fixed jaw. In addition, two different jaw strokes are available: a standard stroke for maximum clamping forces and a long stroke for extended jaw strokes. The highly compact power vices make it possible to determine the jaw position and control the workpiece support (SL type). This makes them ideal for automation or for Industry 4.0 applications.

Benefits:

- Minimum interference due to the compact design
- Protected against contamination (SL Proofline fully sealed)
- Linear pressure adjustment
- Highest repeatability and rigidity
- Suitable for automation
- Integrated channels for air purge
- 2 jaw interfaces (Tongue & groove and fine serration 1.5 x 60°)
- Wide range of standard products



Power Vices



Page 76

TV-P

Power Vices TV 100, 160, 200 and 250

- Pneumatic operated
- Highest repeatability
- Standard stroke, long stroke or fixed jaw
- Air purge



Page 88

SL-P Proofline

Power Vices SL 100, 160 and 200

- Pneumatic operated
- Fully sealed (proofline)
- Highest repeatability
- Standard stroke
- Air purge
- Industry 4.0 Product: Ideal suitable for automation



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TV-H

Power Vices TV 100, 160 and 200

- Hydraulic operated
- Highest repeatability
- Standard stroke or long stroke
- Air purge



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TV-S

Power Vices TV 100, 160 and 200

- Spring actuated
- Pneumatic opening
- Increase of the clamping force via Turbo function
- Highest repeatability
- Long stroke or fixed jaw
- Air purge

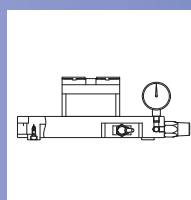


Page 103

Jaws for TV and SL

Accessories

- Fine serration 1.5 x 60°
- Tongue & groove



Page 104

Base plates TV and SL

Accessories

- For pneumatic actuation of the power vices TV and SL
- With manual actuation, pressure switch, safety valve and manometer

Power Vices

Product features

Version			
Features	TV-P		SL-P Proofline
	Clamp and unclamp via integrated pneumatic cylinder		Clamp and unclamp via integrated pneumatic cylinder
	N = Standard stroke for highest clamping forces		N = Standard stroke for highest clamping forces
	L = Long stroke for a larger jaw stroke		 Industry 4.0 Product
Detail	 - Connection unclamp - Connection clamp - Lubrication nipples - Jaw interface tongue and groove or fine serration - Connection air purge (rear)		 - Connection unclamp - Connection clamp - Lubrication nipples - Lateral sealing - Top sealing - Connection air sensing - Air sensing - Monitoring jaw position - Jaw interface tongue and groove or fine serration - Connetion air purge (rear)
			Sealing
			Air sensing
	 - Unclamp - Clamp - Centralized lubrication - Air purge		 - Unclamp - Clamp - Centralized lubrication - Air purge - Air sensing
Fixed jaw	 - One jaw is fixed with the body Fixed jaw = fixed zero point and fixed reference - Clamping jaw with long stroke		
Page 76		Page 88	



TV-H Clamp and unclamp via hydraulic cylinder N = Standard stroke for highest clamping forces L = Long stroke for a larger jaw stroke	TV-S Clamp via spring pack Unclamp pneumatic Increase of the clamping force via Turbo function L = Long stroke for a larger jaw stroke
 1. Connection unclamp 2. Connection clamp 3. Lubrication nipples 4. Jaw interface tongue and groove or fine serration 5. Connection air purge (rear)	 1. Connection unclamp 2. Connection turbo function (invisible on the picture) 3. Integrated spring pack for clamping* 4. Lubrication nipples 5. Connection air purge (rear) 6. Jaw interface tongue and groove or fine serration * Clamping force changeable by means of removing of springs.
 1. Unclamp 2. Clamp 3. Centralized lubrication 4. Air purge	 1. Unclamp 2. Turbo function 3. Centralized lubrication 4. Air purge
	 1. One jaw is fixed with the body Fixed jaw = fixed zero point and fixed reference 2. Clamping jaw with long stroke



Power Vices

Technical Overview

Version			Size 100	
Pneumatic	Standard stroke	TV P-N 	Features Standard jaw stroke Air purge Maximum clamping forces	TV 100-P-N Jaw stroke Max. clamping force Max. operating pressure Page 76
		SL P-N Proofline 	Features Standard jaw stroke fully sealed (proofline) Air purge Industry 4.0 Product (Air sensing, monitoring of jaw position)	SL 100-P-N Proofline Jaw stroke Max clamping force Max. operating pressure Page 88
		TV P-L 	Features Long jaw stroke Air purge	TV 100-P-L Jaw stroke Max. clamping force Max. operating pressure Page 77
		TV P-F 	Features Long jaw stroke Air purge Fixed jaw	TV-100-P-F Jaw stroke Max. clamping force Max. operating pressure Page 78
	Long stroke			
	Fixed jaw			
Hydraulic	Standard stroke	TV H-N 	Features Standard jaw stroke Air purge Maximum clamping forces	TV-100-H-N Jaw stroke Max. clamping force Max. operating pressure Page 91
	Long stroke	TV H-L 	Features Long jaw stroke Air purge	TV-100-H-L Jaw stroke Max. clamping force Max. operating pressure Page 92
Spring clamped	Long stroke	TV S-L 	Features Spring clamped Pneumatic opening (6 bar opening pressure) Long jaw stroke Air purge OD clamping only	TV-100-S-L Jaw stroke Max. clamping force Max. operating pressure Page 97
	Fixed stroke	TV S-F 	Features Spring clamped pneumatic opening 6 bar Long jaw stroke Air purge Fixed jaw OD clamping only	TV-100-S-F Jaw stroke Max. clamping force Max. operating pressure Page 98

* with spring force

** with Turbo function



Size 160		Size 200		Size 250	
TV 160-P-N		TV 200-P-N		TV 250-P-N	
Jaw stroke	3.0 mm	Jaw stroke	4.2 mm	Jaw stroke	5.3 mm
Max. clamping force	42 kN	Max. clamping force	48 kN	Max. clamping force	60 kN
Max. operating pressure	9 bar	Max. operating pressure	9 bar	Max. operating pressure	9 bar
Page	79	Page	82	Page	85
SL 160-P-N Proofline		SL 200-P-N Proofline			
Jaw stroke	3.0 mm	Jaw stroke	4 mm		
Max. clamping force	42 kN	Max. clamping force	48 kN		
Max. operating pressure	9 bar	Max. operating pressure	9 bar		
Page	89	Page	90		
TV 160-P-L		TV 200-P-L		TV 250-P-L	
Jaw stroke	8.4 mm	Jaw stroke	10.2 mm	Jaw stroke	15 mm
Max. Clamping force	19 kN	Max. clamping force	23 kN	Max. clamping force	27 kN
Max. operating pressure	9 bar	Max. operating pressure	9 bar	Max. operating pressure	9 bar
Page	80	Page	83	Page	86
TV 160-P-F		TV 200-P-F		TV 250-P-F	
Jaw stroke	8.4 mm	Jaw stroke	10.2 mm	Jaw stroke	15 mm
Max. clamping force	19 kN	Max. clamping force	23 kN	Max. clamping force	27 kN
Max. operating pressure	9 bar	Max. operating pressure	9 bar	Max. operating pressure	9 bar
Page	81	Page	84	Page	87
TV 160-H-N		TV 200-H-N			
Jaw stroke	3.0 mm	Jaw stroke	4.2 mm		
Max. clamping force	48 kN	Max. clamping force	55 kN		
Max. operating pressure	30 bar	Max. operating pressure	30 bar		
Page	93	Page	95		
TV 160-H-L		TV 200-H-L			
Jaw stroke	8.4 mm	Jaw stroke	10.2 mm		
Max. clamping force	43 kN	Max. clamping force	52 kN		
Max. operating pressure	60 bar	Max. operating pressure	60 bar		
Page	94	Page	96		
TV 160-S-L		TV 200-S-L			
Jaw stroke	8.4 mm	Jaw stroke	10.2 mm		
Max. clamping force	8 kN*/20 kN**	Max. clamping force	13 kN*/28 kN**		
Max. operating pressure	9 bar	Max. operating pressure	9 bar		
Page	99	Page	101		
TV 160-S-F		TV 200-S-F			
Jaw stroke	8.4 mm	Jaw stroke	10.2 mm		
Max. clamping force	8 kN*/20 kN**	Max. clamping force	13 kN*/28 kN**		
Max. operating pressure	9 bar	Max. operating pressure	9 bar		
Page	100	Page	102		

* with spring force
** with Turbo function

TV 100-P-N

Pneumatic operated Power Vice

- Standard stroke
- Central clamping

Application/customer benefits

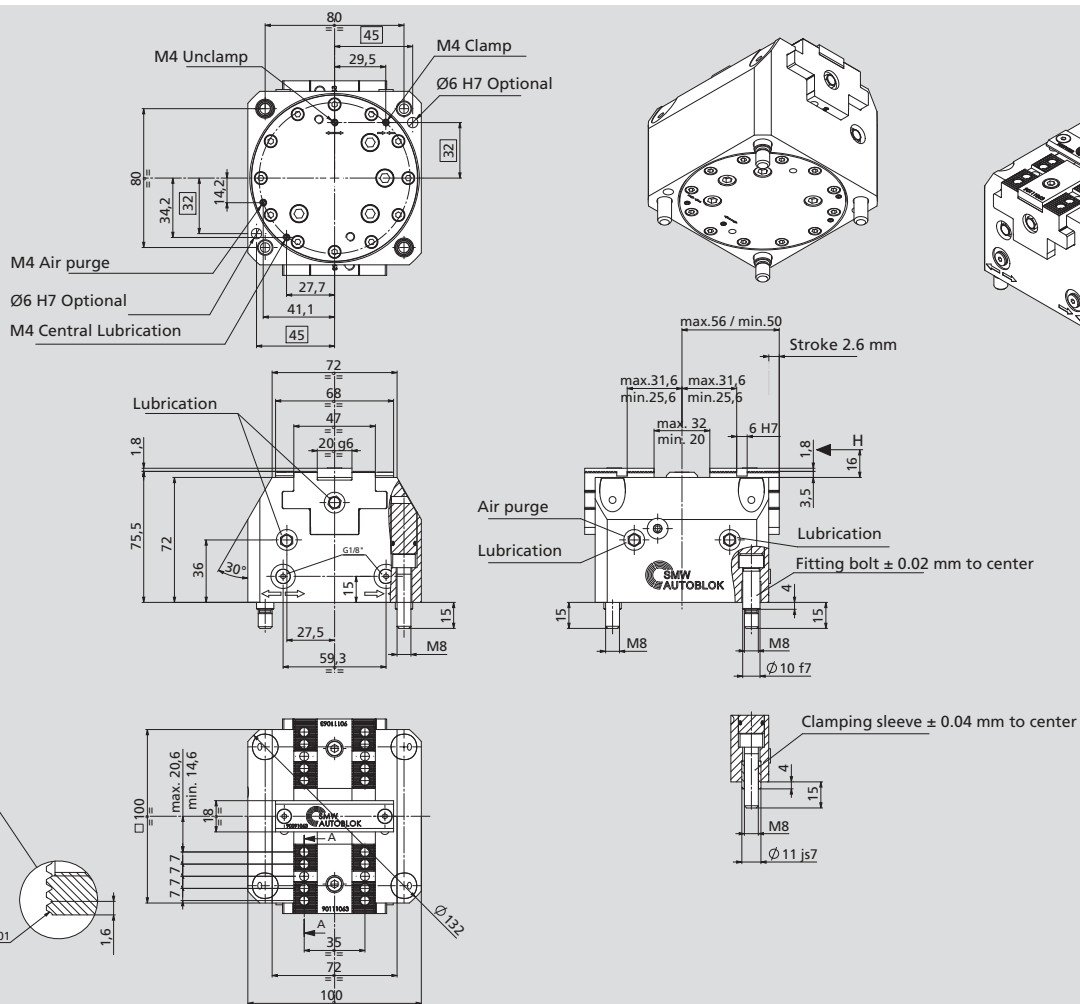
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 100-P-N	77903010	15 kN	2.6 mm	9 bar	0.01 mm	4.3 kg

TV 100-P-F

Pneumatic operated Power Vice

- Long stroke
- Fixed jaw

Application/customer benefits

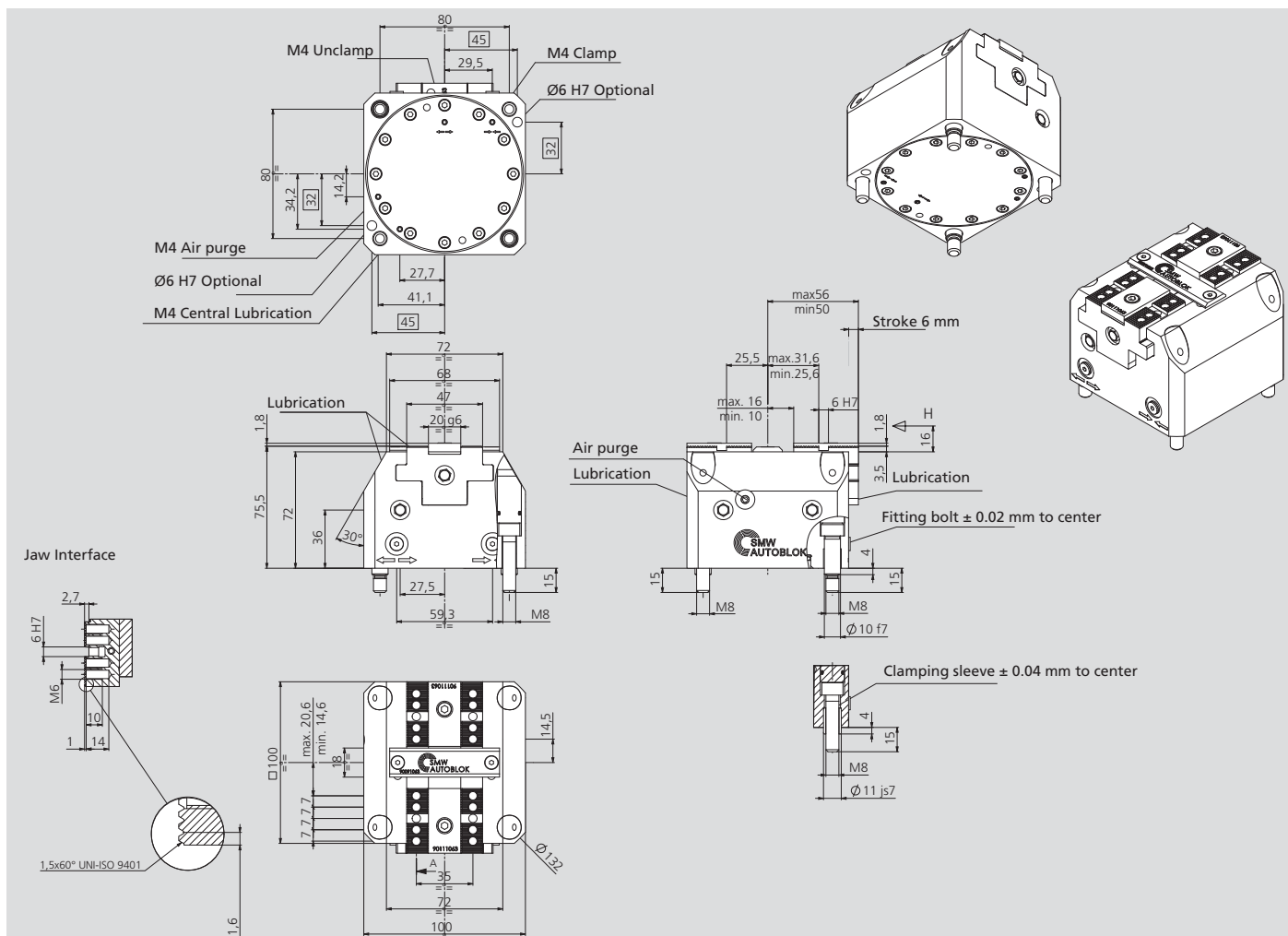
- Minimum interference due to the compact design
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- Linear pressure adjustment
- Highest repeatability
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Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 100-P-F	77903210	8 kN	6 mm	9 bar	0.01 mm	4.3 kg

- Standard stroke
- Central clamping



Application/customer benefits

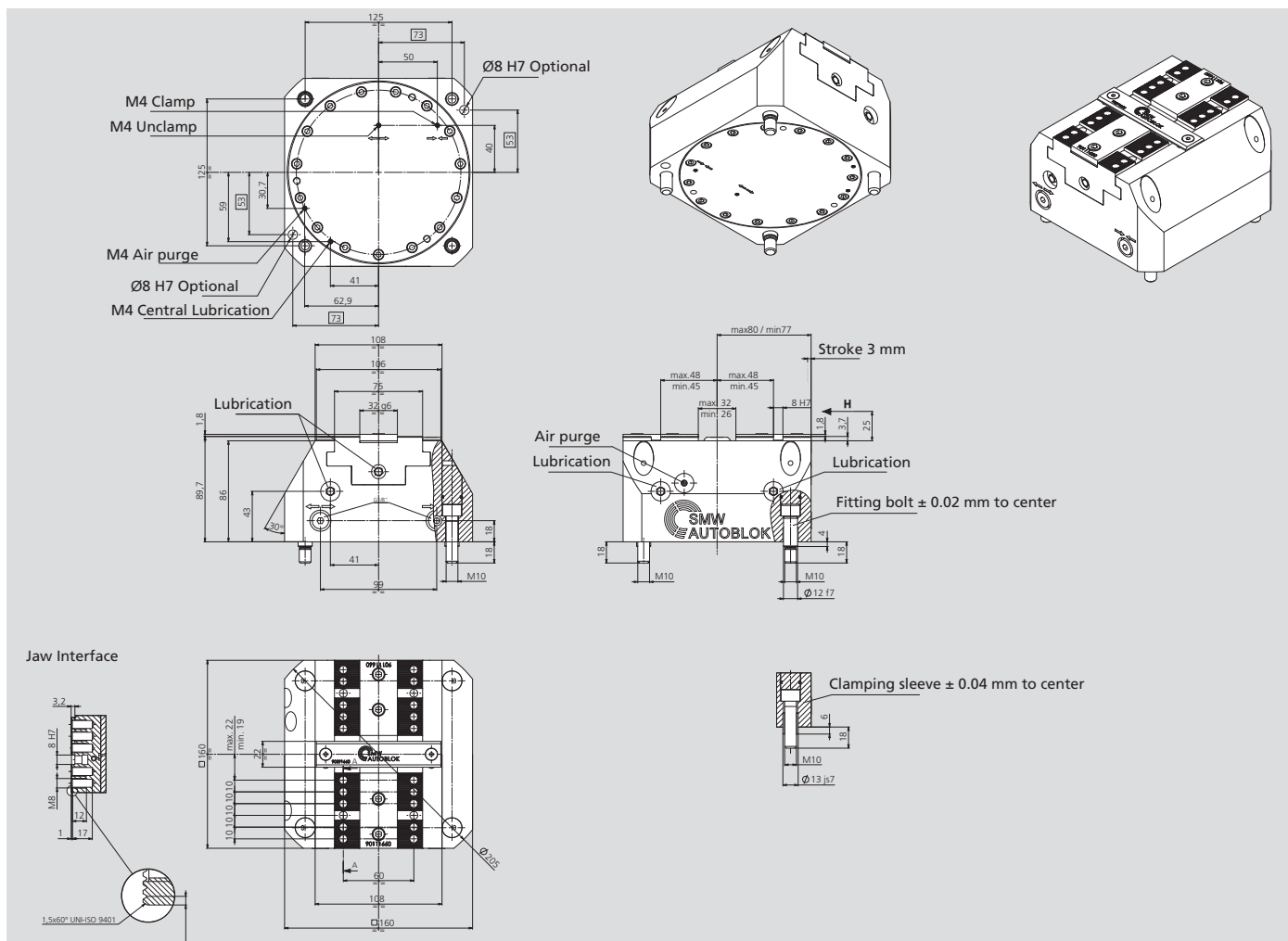
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 160-P-N	77903016	42 kN	3 mm	9 bar	0.01 mm	13 kg

TV 160-P-L

Pneumatic operated Power Vice

- Long stroke
- Central clamping

Application/customer benefits

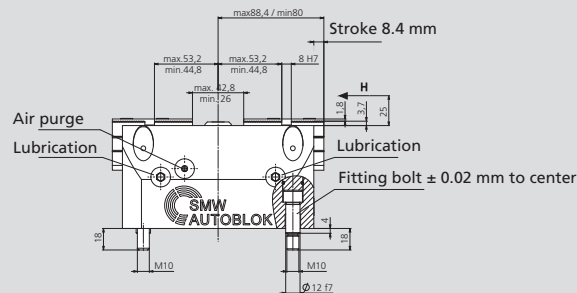
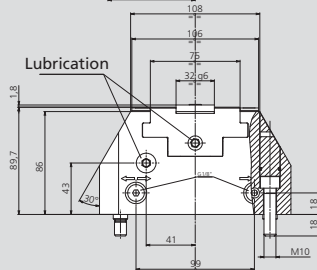
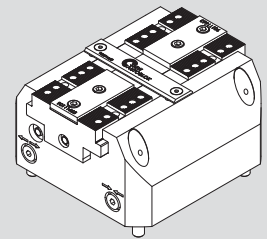
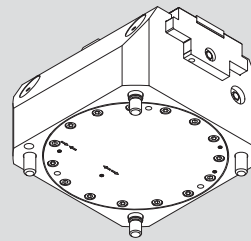
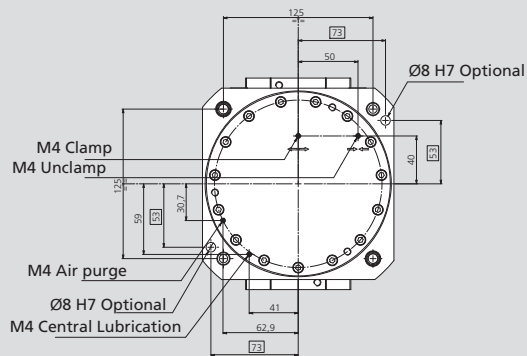
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

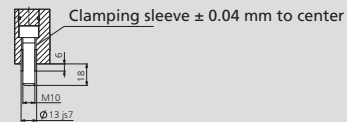
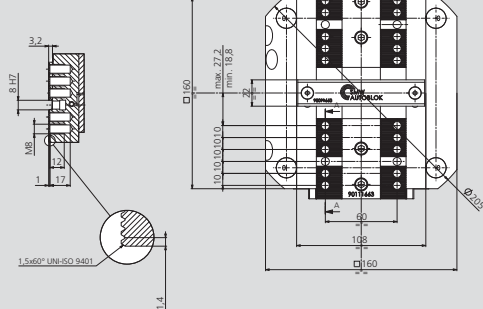
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Jaw Interface



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 160-P-L	77903116	19 kN	8.4 mm	9 bar	0.01 mm	13.0 kg

TV 200-P-N

Pneumatic operated Power Vice

- Standard stroke
- Central clamping

Application/customer benefits

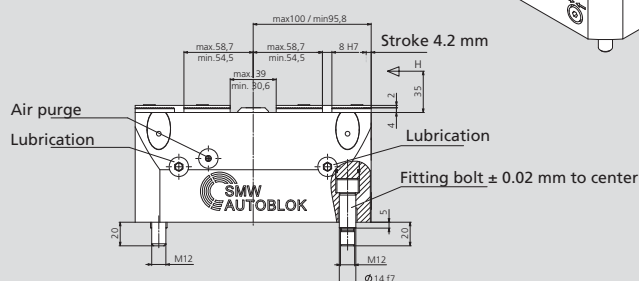
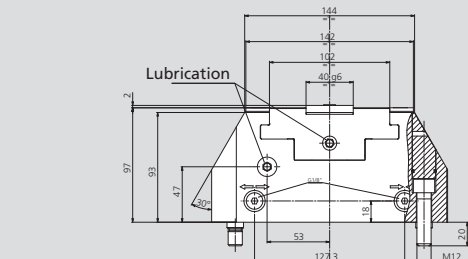
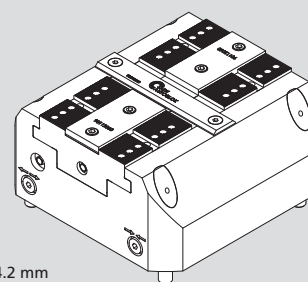
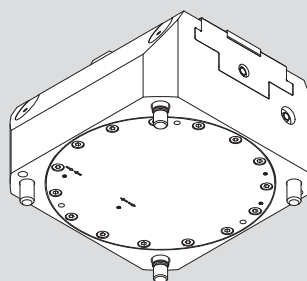
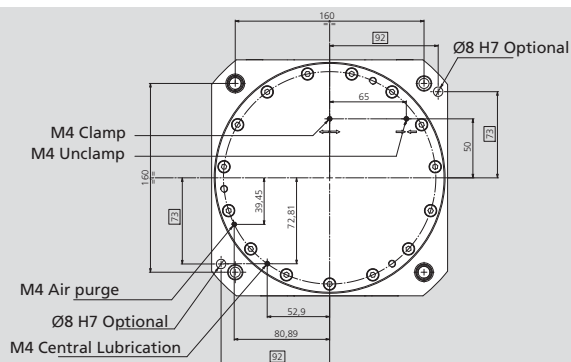
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

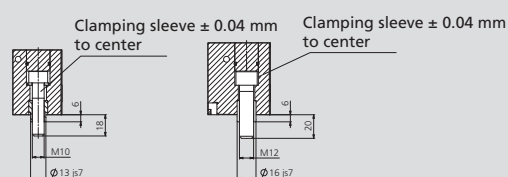
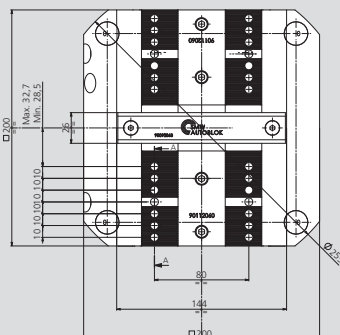
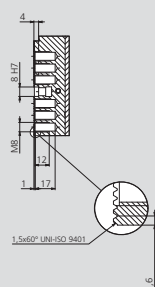
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Jaw Interface



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 200-P-N	77903020	48 kN	4.2 mm	9 bar	0.02 mm	23 kg

TV 200-P-F

Pneumatic operated Power Vice

- Long stroke
- Fixed jaw

Application/customer benefits

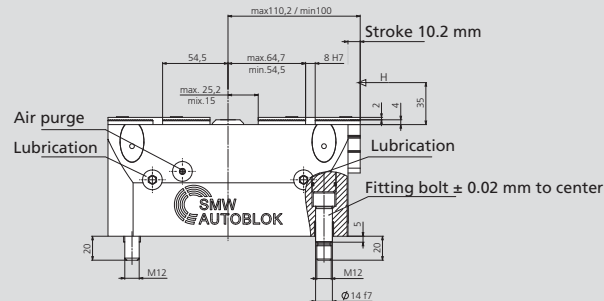
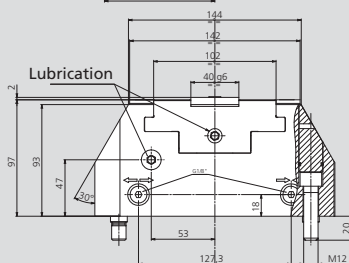
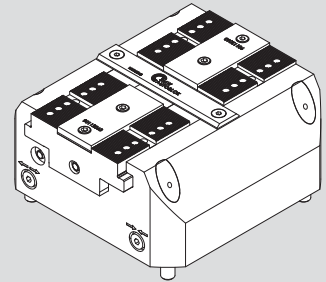
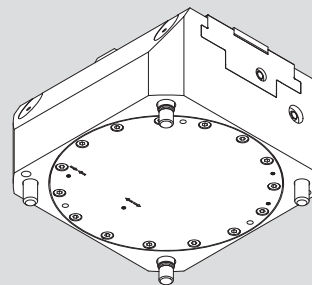
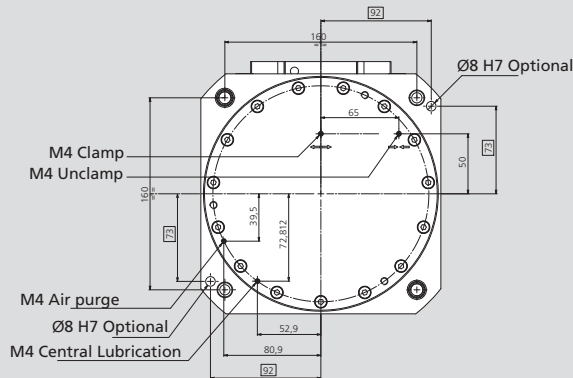
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

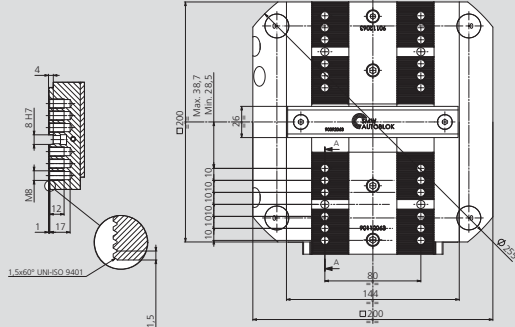
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

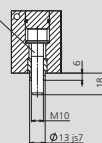
Self-centering vice without top jaws



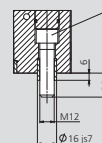
Jaw Interface



Clamping sleeve ± 0.04 mm to center



Clamping sleeve ± 0.04 mm to center



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 200-P-F	77903220	23 kN	10.2 mm	9 bar	0.02 mm	23 kg

TV 250-P-L

Pneumatic operated Power Vice

- Long stroke
- Central clamping

Application/customer benefits

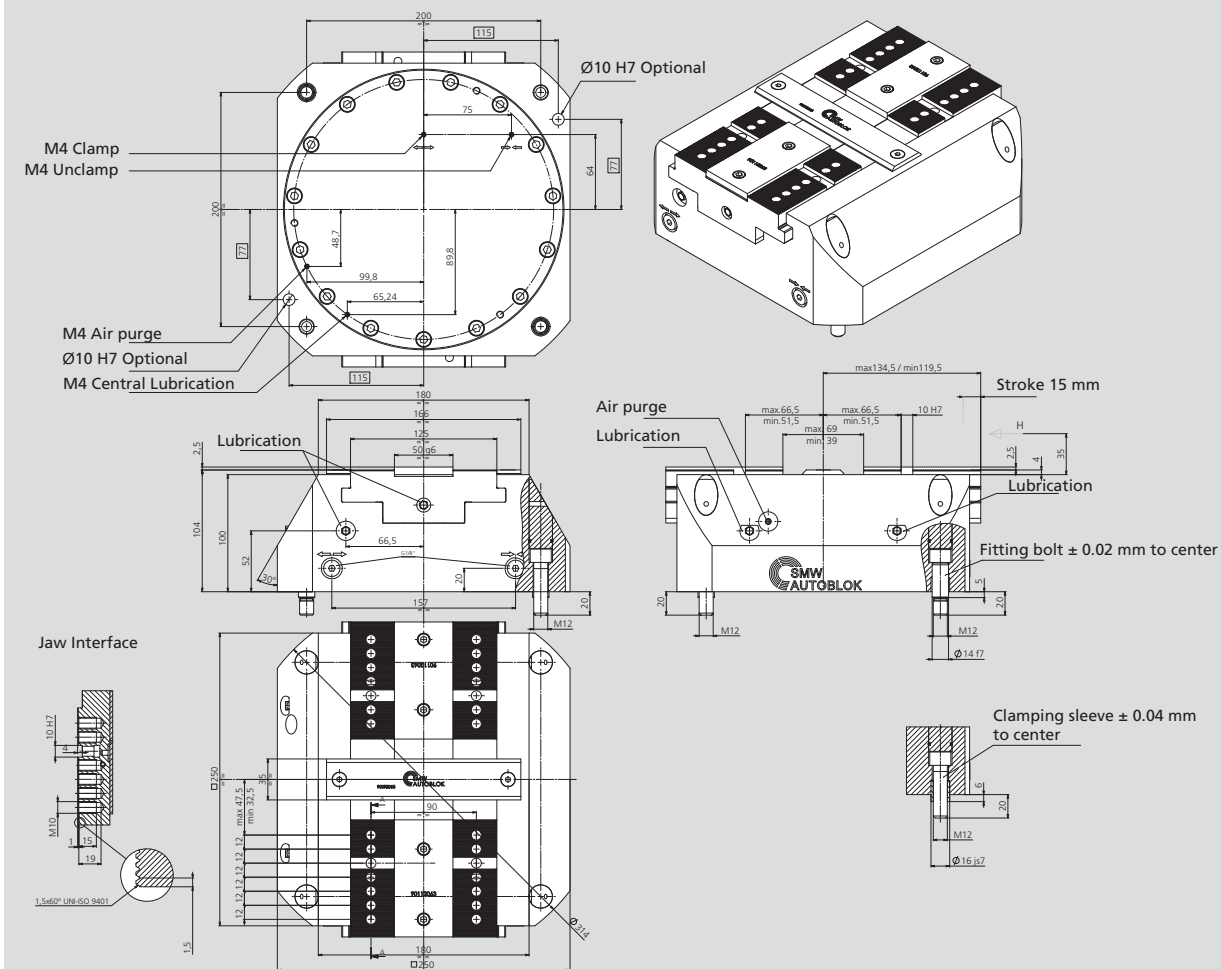
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

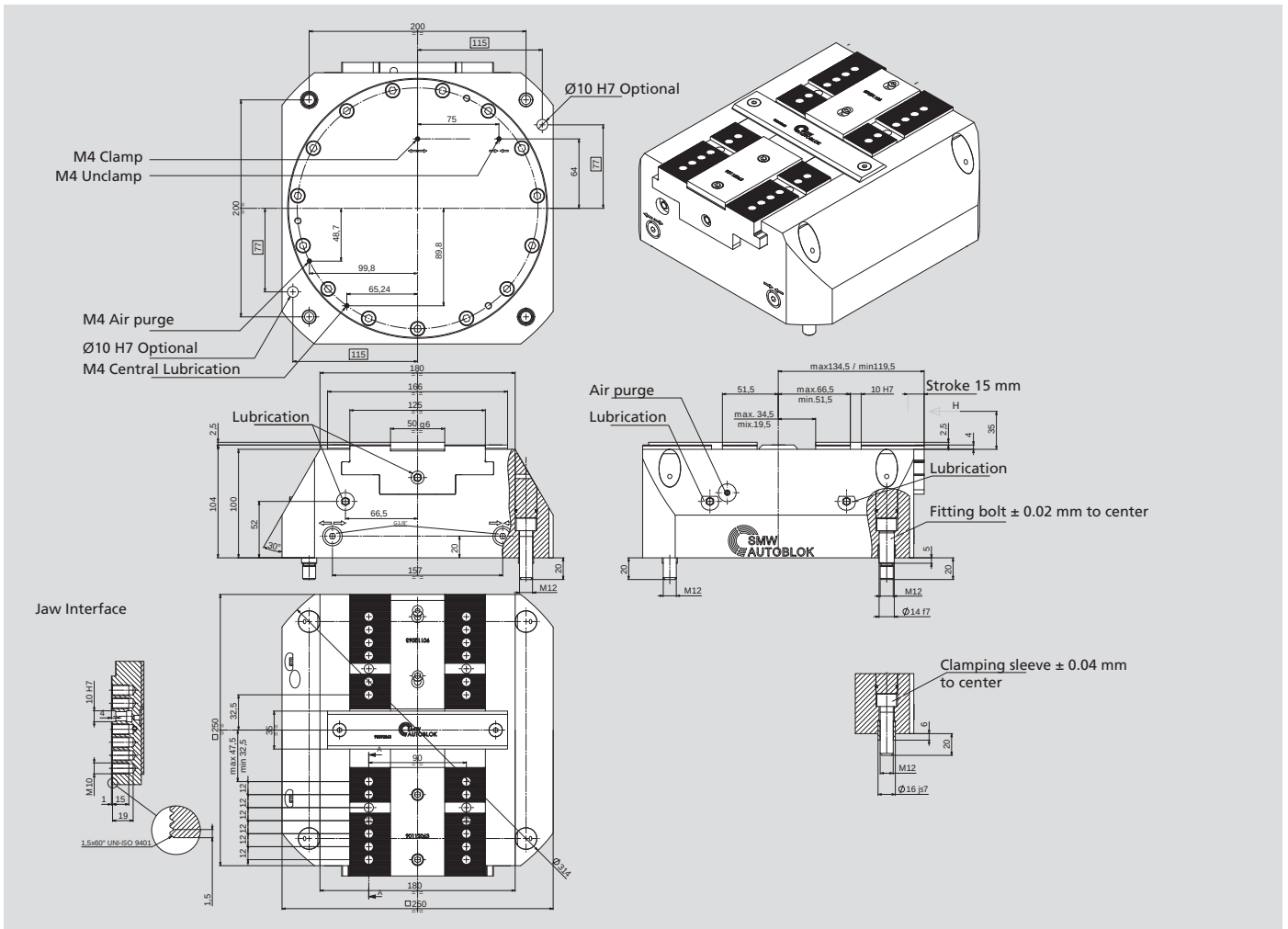
Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 250-P-L	77903125	27 kN	15 mm	9 bar	0.02 mm	39.0 kg

- 4



Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 250-P-F	77903225	27 kN	15 mm	9 bar	0.02 mm	39.0 kg

SL 100-P-N

Pneumatic operated Power Vice fully sealed

- Standard stroke
- Central clamping



proofline® series
fully sealed – low maintenance

Application/customer benefits

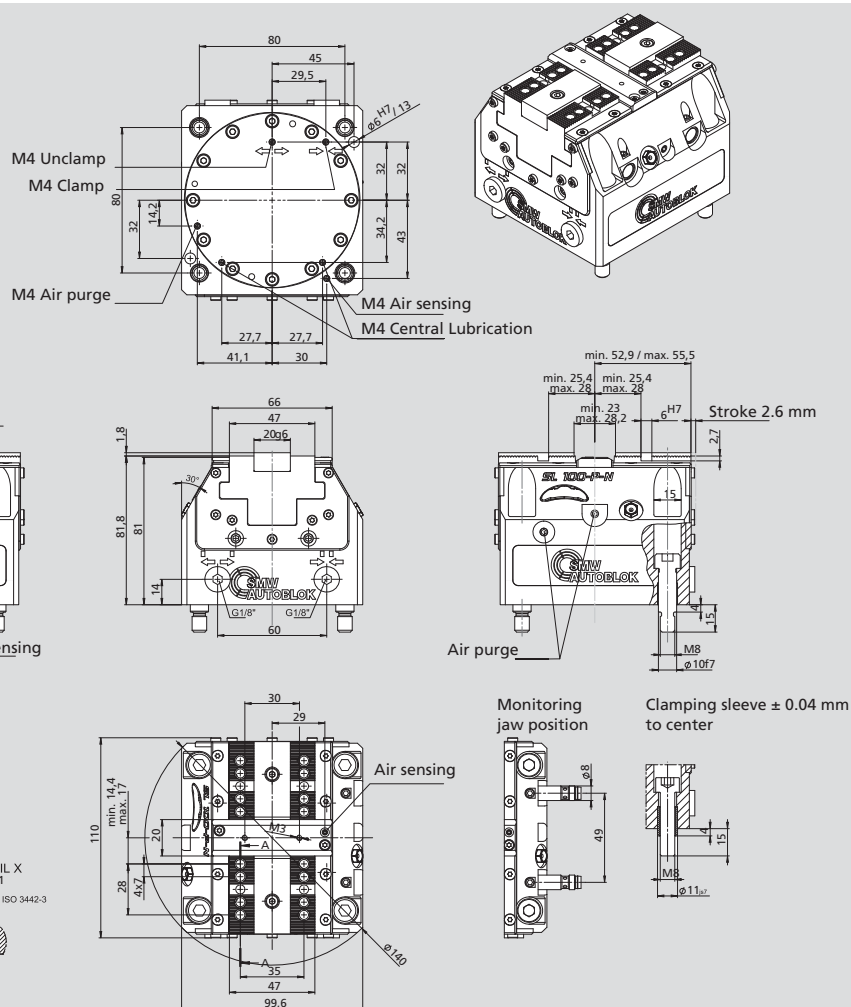
- Industry 4.0 Product: ideal suitable for automation
- Protected against contamination, fully sealed (proofline)
- Minimum interference due to the compact design
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore as standard
- Housing and functional parts hardened
- Air sensing
- Monitoring of the jaw position as standard
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
SL 100-P-N	461129	15 kN	2.6 mm	9 bar	0.01 mm	4.8 kg

SL 160-P-N

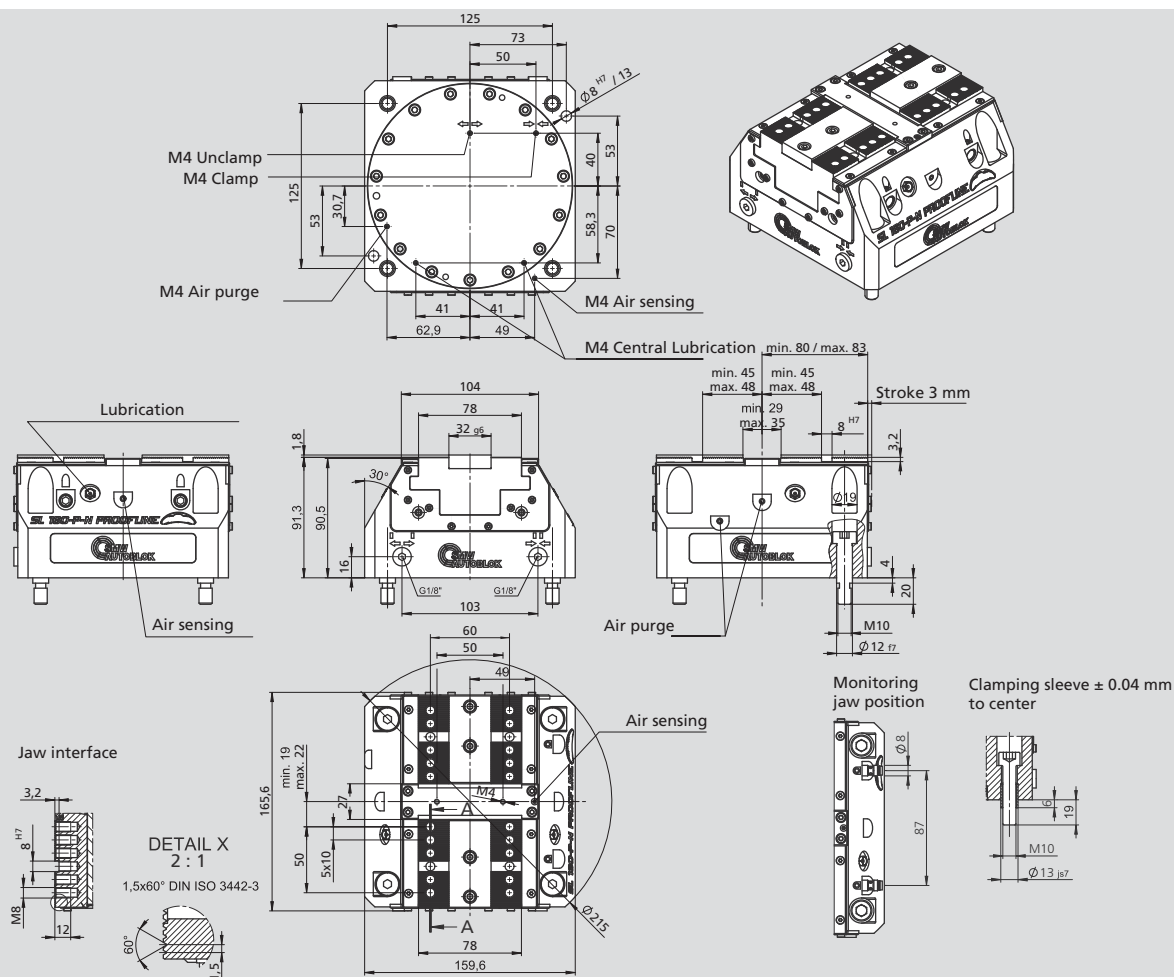
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- Industry 4.0 Product: ideal suitable for automation
- Protected against contamination, fully sealed (proofline)
- Minimum interference due to the compact design
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

- H7 quality pilot bore as standard
- Housing and functional parts hardened
- Air sensing
- Monitoring of the jaw position as standard
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Self-centering vice without top jaws

Industry 4.0 Product



Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
SL 160-P-N	461130	42 kN	3.0 mm	9 bar	0.01 mm	13.0 kg

SL 200-P-N

Pneumatic operated Power Vice fully sealed

- Standard stroke
- Centrical clamping

Application/customer benefits

- Industry 4.0 Product: ideal suitable for automation
- Protected against contamination, fully sealed (proofline)
- Minimum interference due to the compact design
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore as standard
- Housing and functional parts hardened
- Air sensing
- Monitoring of the jaw position as standard
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

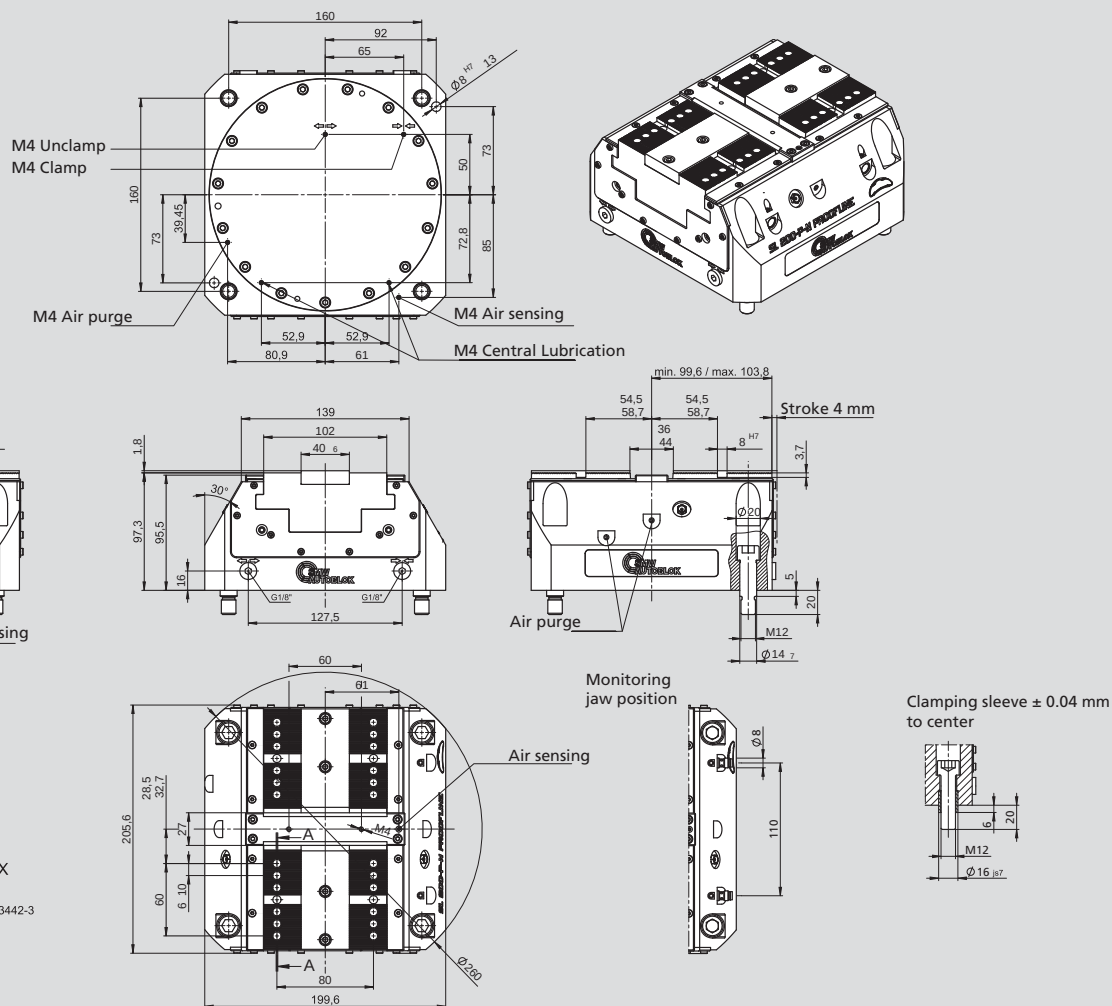
Standard equipment

Self-centering vice without top jaws

Industry 4.0
Product



proofline® series
fully sealed – low maintenance



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
SL 200-P-N	461131	48 kN	4.0 mm	9 bar	0.01 mm	25.4 kg

- Standard stroke
- Central clamping



Application/customer benefits

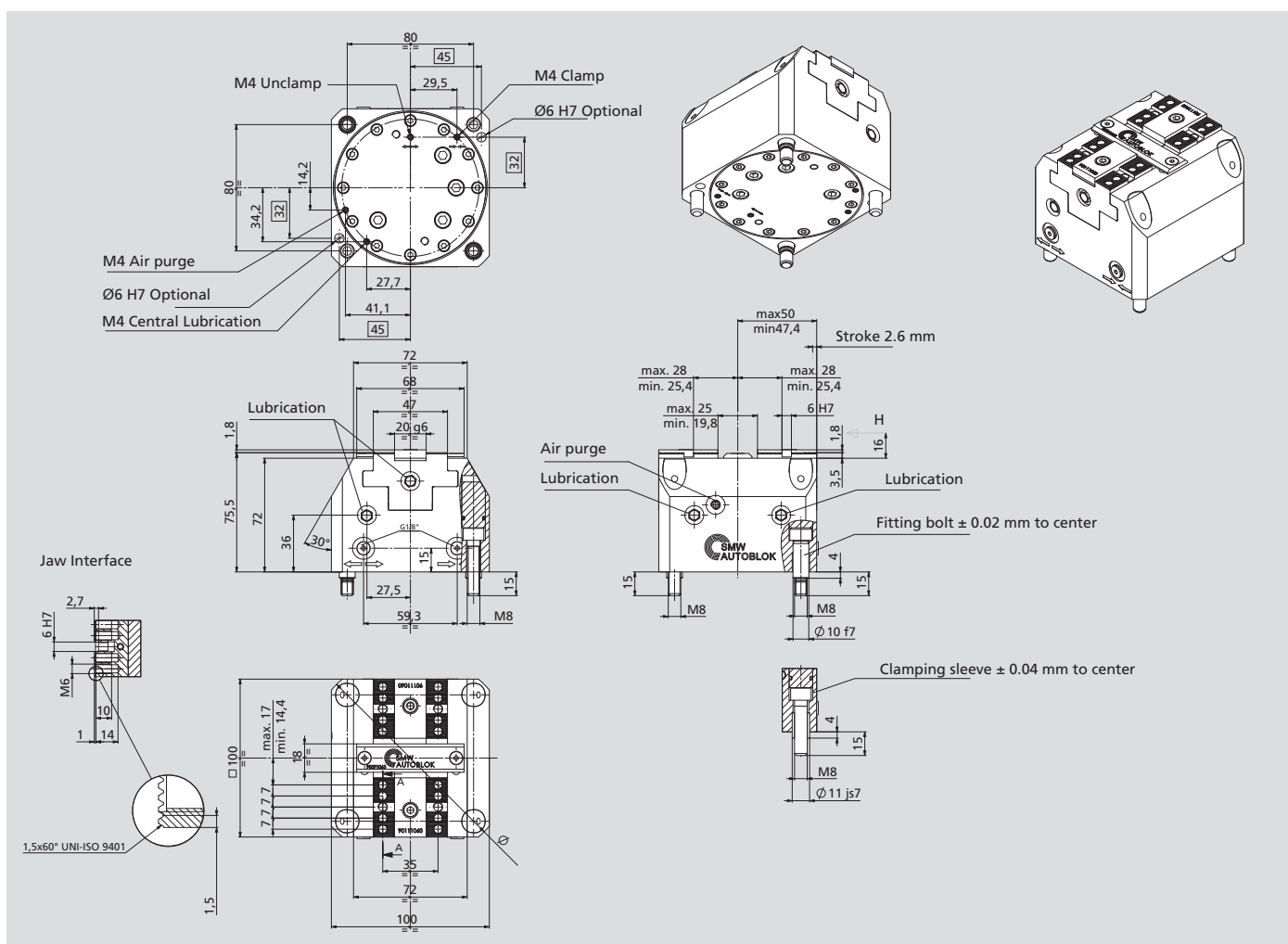
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 100-H-N	77903510	16 kN	2.6 mm	30 bar	0.01 mm	4.5 kg

TV 100-H-L

Hydraulic operated Power Vice

- Long stroke
- Central clamping



Application/customer benefits

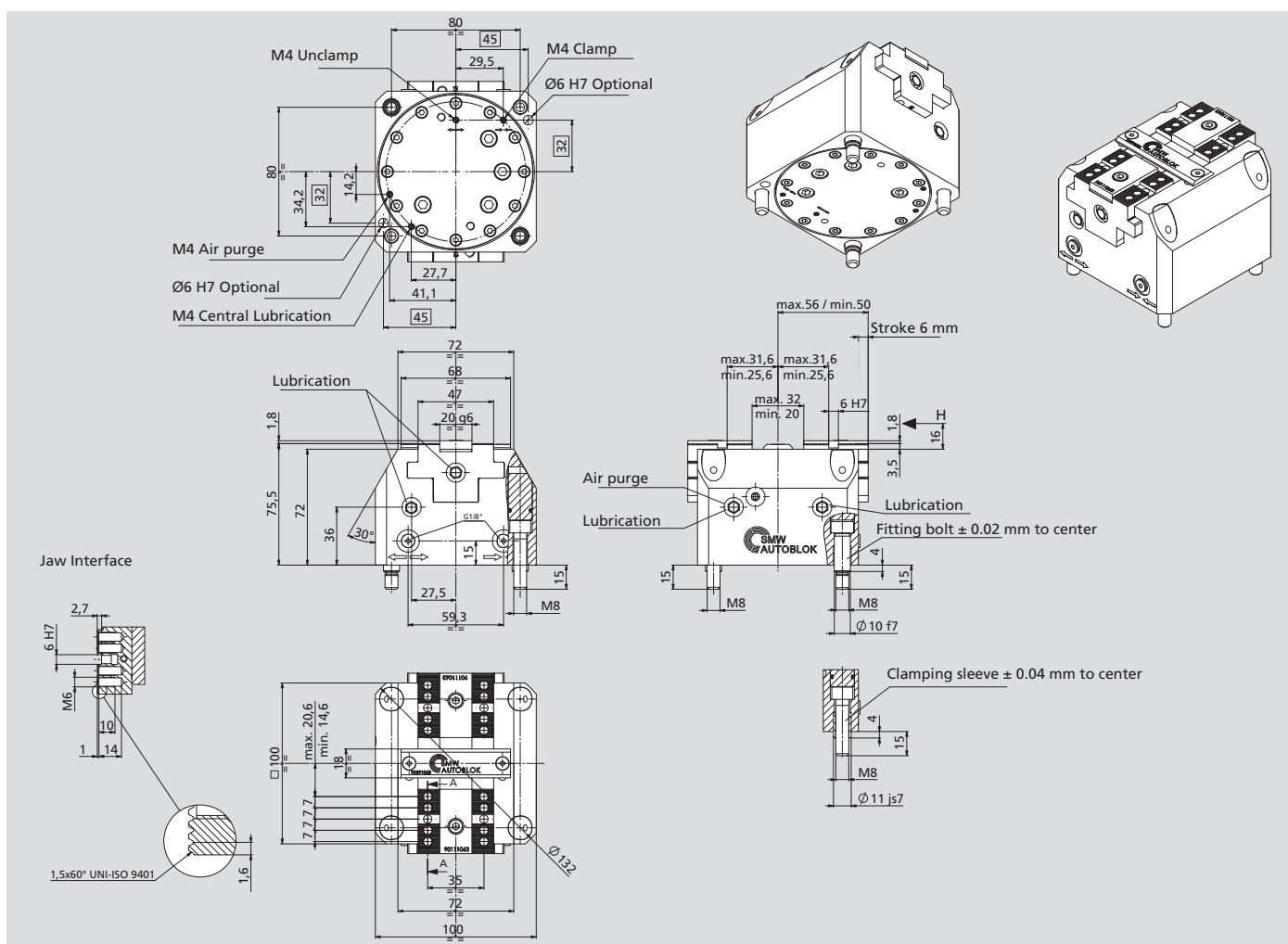
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Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 100-H-L	77903610	16 kN	6.0 mm	60 bar	0.01 mm	4.5 kg

TV 160-H-L

Hydraulic operated Power Vice

- Long stroke
- Central clamping



Application/customer benefits

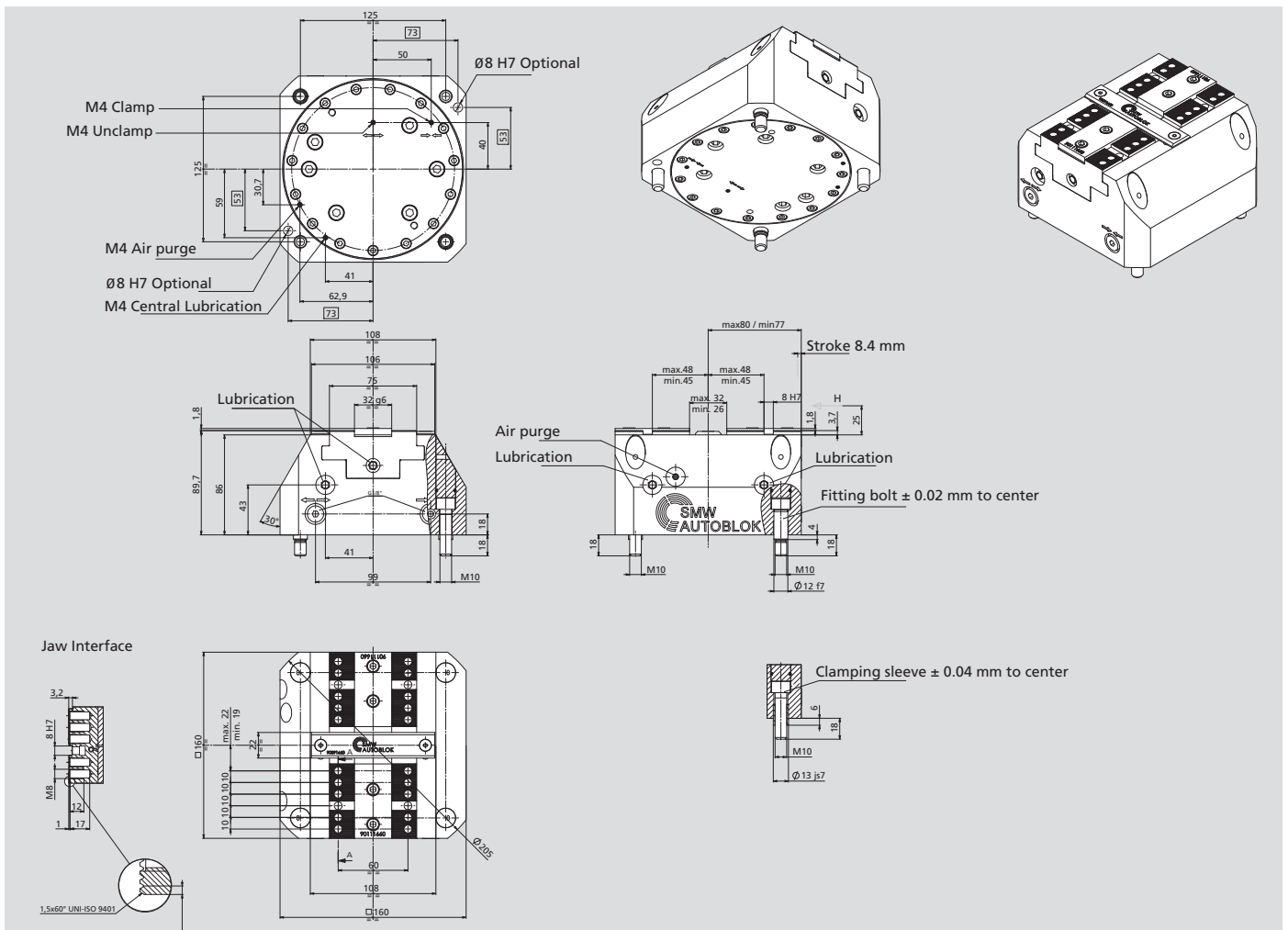
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 160-H-L	77903616	43 kN	8.4 mm	60 bar	0.01 mm	14.0 kg

TV 200-H-N

TV 200-H-L

Hydraulic operated Power Vice

- Long stroke
- Central clamping

Application/customer benefits

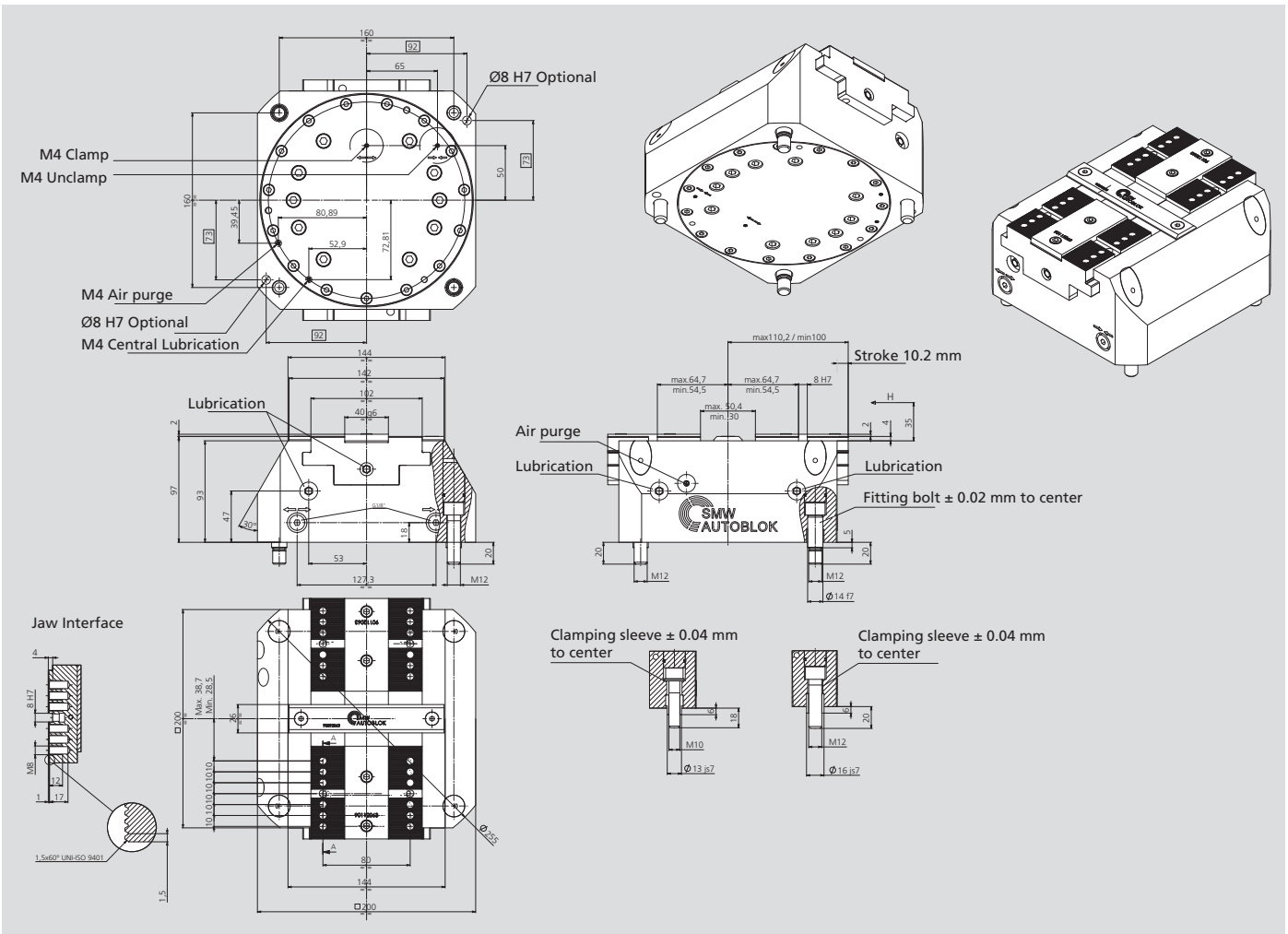
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Linear pressure adjustment
- Highest repeatability
- Highest rigidity

Technical features

- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°

Standard equipment

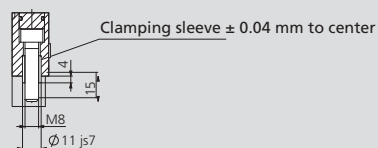
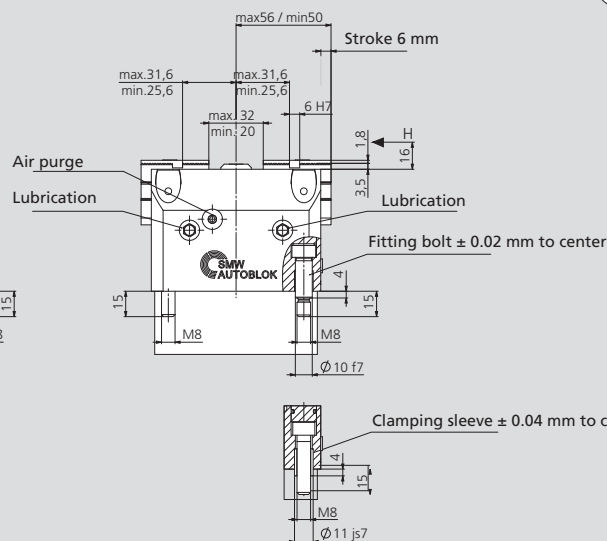
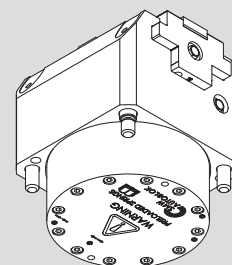
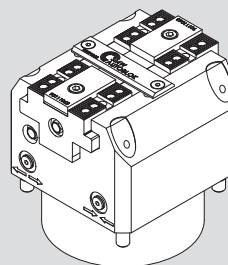
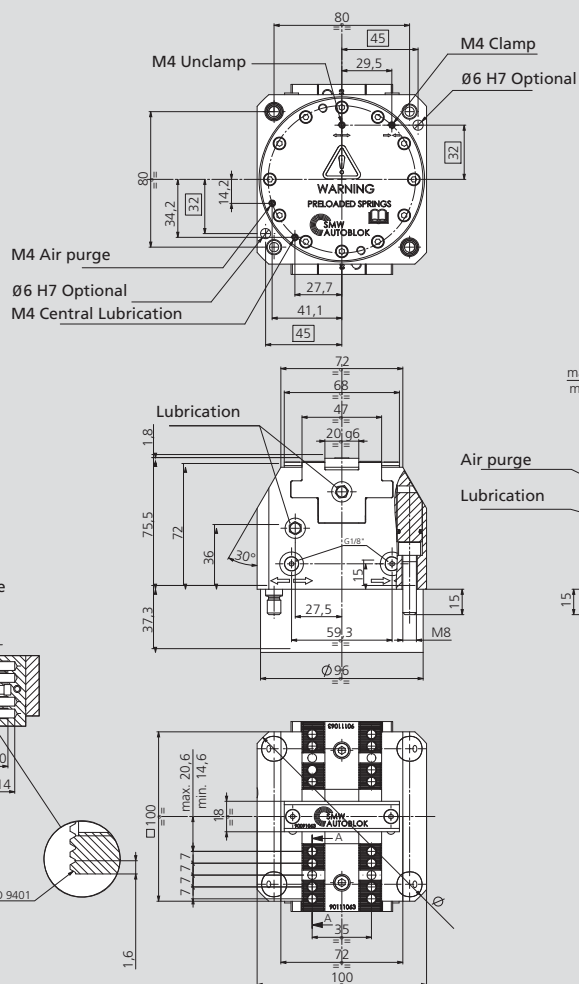
Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. Operating pressure	Repeatability	Weight
TV 200-H-L	77903620	52 kN	10.2 mm	60 bar	0.02 mm	25.0 kg

- ## Self-centering vice without top jaws



SMW-AUTOBLOK 97

TV 100-S-F

Spring clamped Power Vice

- Long stroke
- Fixed jaw

Application/customer benefits

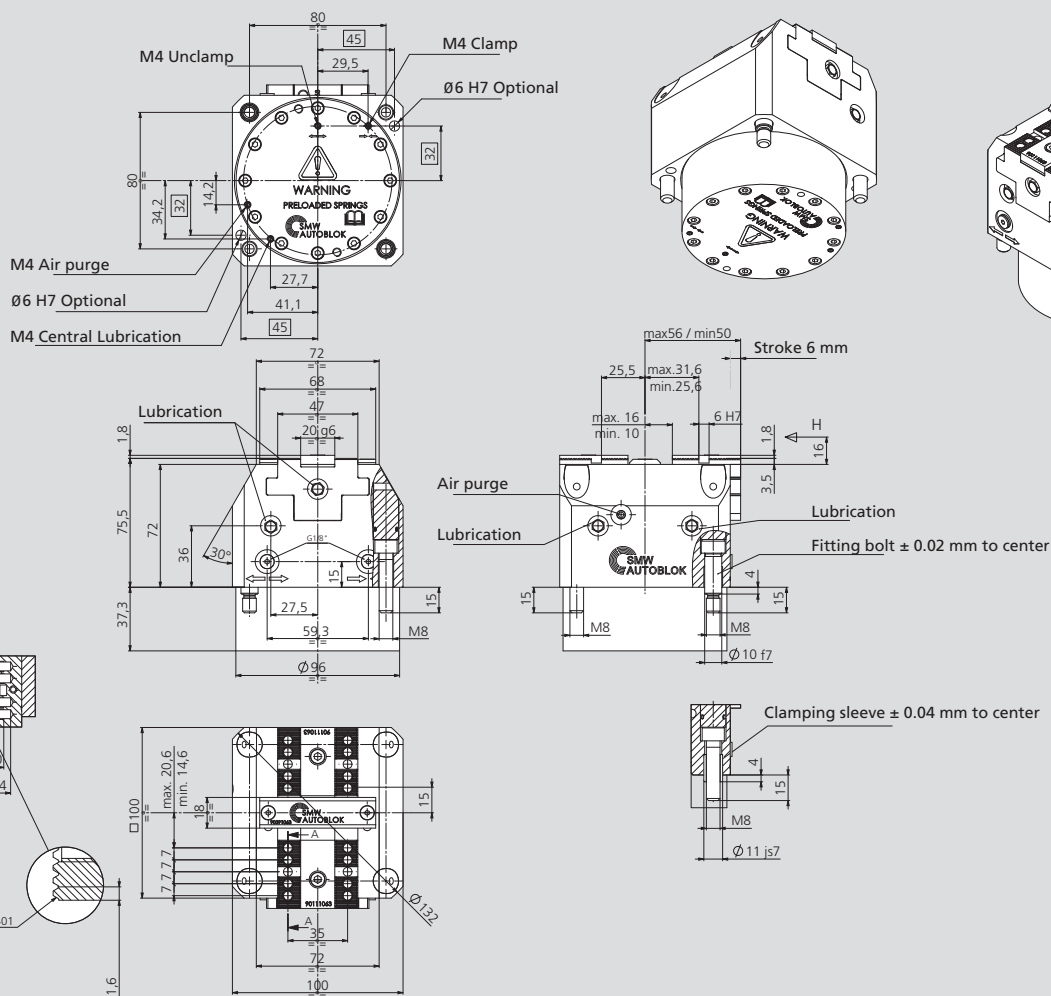
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Highest repeatability
- Highest rigidity

Technical features

- Spring clamped, pneumatic open
- Increase of the clamping force via Turbo function
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°
- OD clamping only

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. operating pressure	Repeatability	Weight
TV 100-S-F	77904210	4 kN* / 9 kN**	6 mm	9 bar	0.01 mm	5.0 kg

* with spring force

** with Turbo function

- Long stroke
- Spring clamped



Application/customer benefits

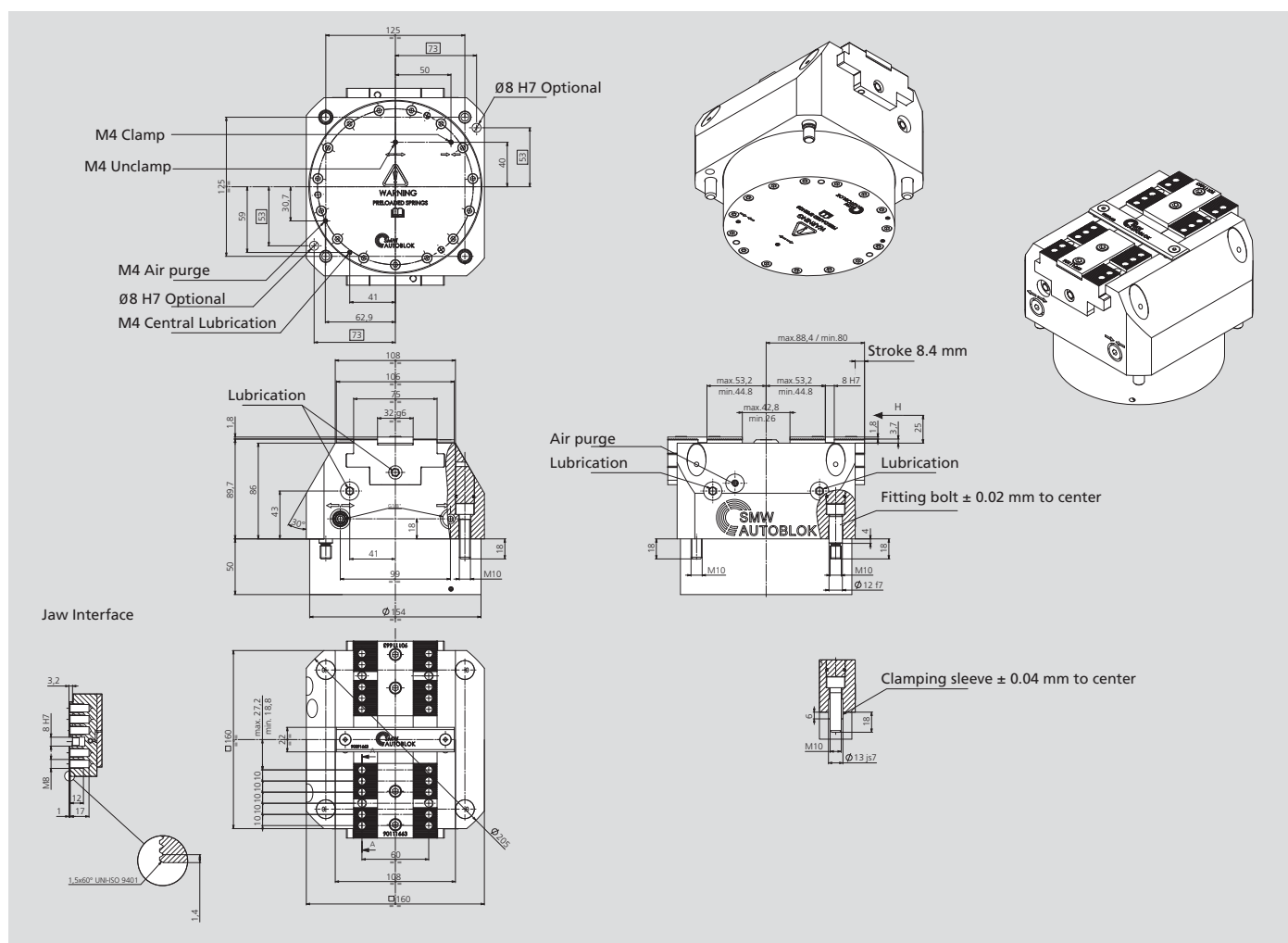
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Highest repeatability
- Highest rigidity

Technical features

- Spring clamped, pneumatic open
- Increase of the clamping force via Turbo function
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°
- OD clamping only

Standard equipment

Self-centering vice without top jaws



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. operating pressure	Repeatability	Weight
TV 160-S-L	77904116	8 kN* / 20 kN**	8.4 mm	9 bar	0.01 mm	16.0 kg

* with spring force
** with Turbo function

TV 160-S-F

Spring clamped Power Vice

- Long stroke
- Fixed jaw

Application/customer benefits

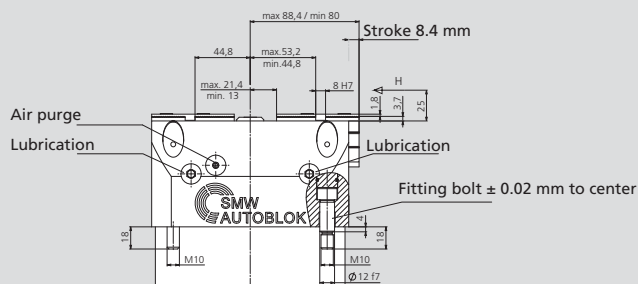
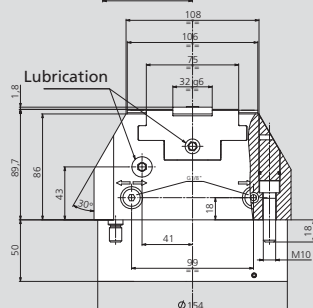
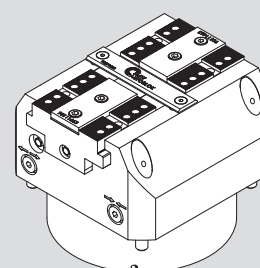
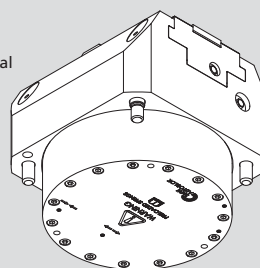
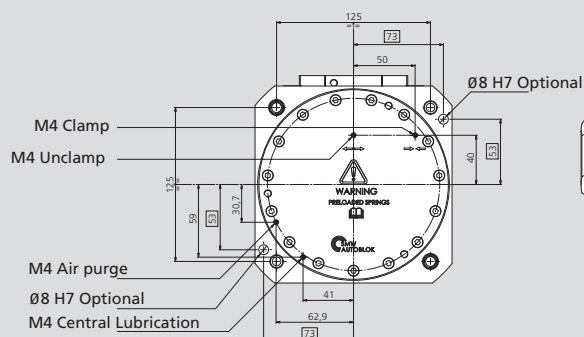
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Highest repeatability
- Highest rigidity

Technical features

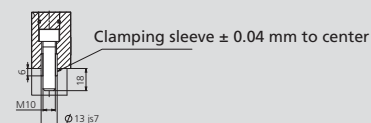
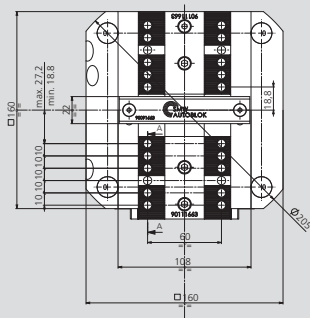
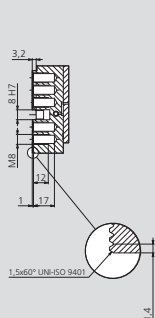
- Spring clamped, pneumatic open
- Increase of the clamping force via Turbo function
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°
- OD clamping only

Standard equipment

Self-centering vice without top jaws



Jaw Interface



Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. operating pressure	Repeatability	Weight
TV 160-S-F	77904216	8 kN* / 20 kN**	8.4 mm	9 bar	0.01 mm	16.0 kg

* with spring force

** with Turbo function

TV 200-S-F

Spring clamped Power Vice

- Long stroke
- Fixed jaw

Application/customer benefits

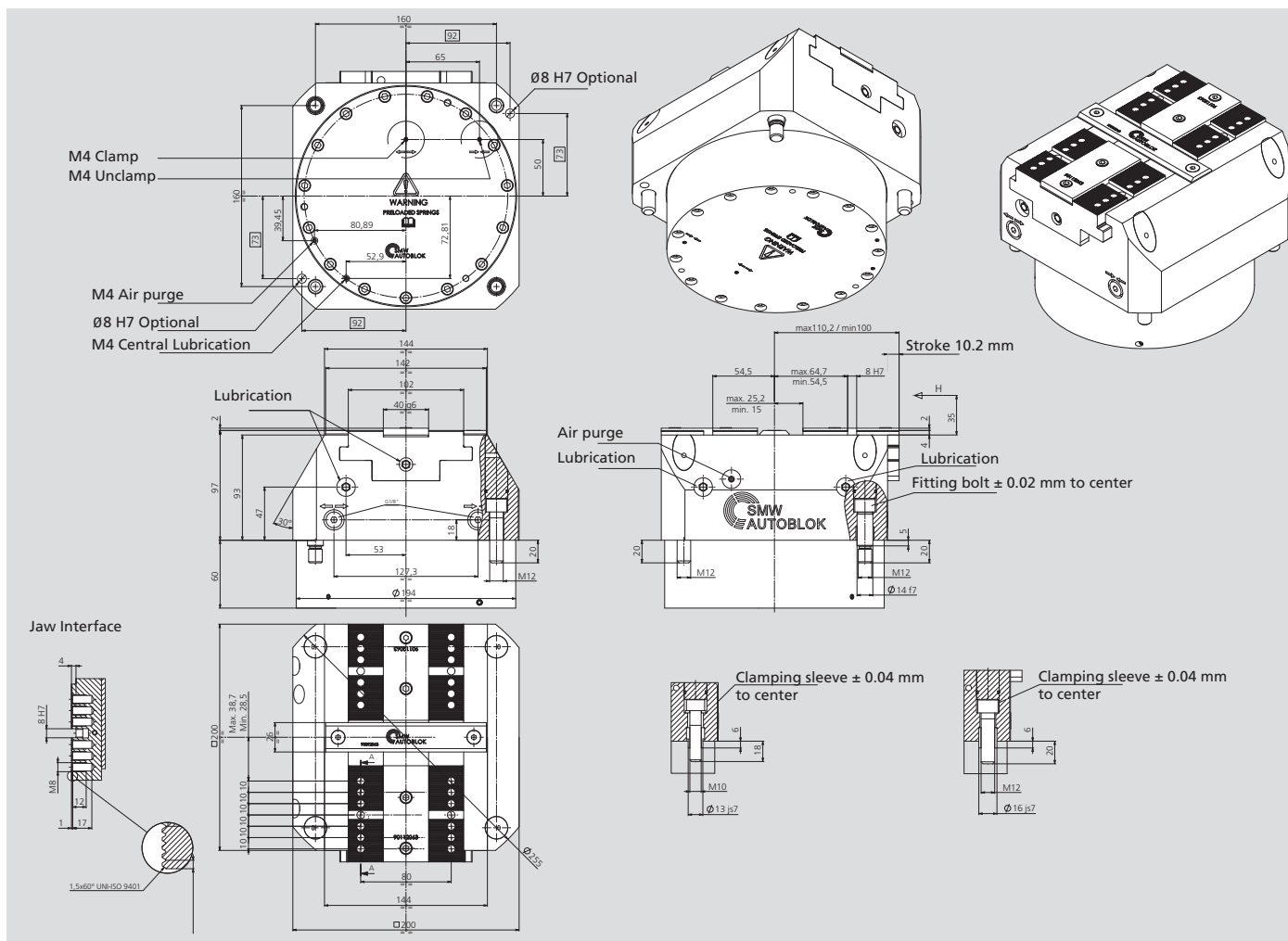
- Minimum interference due to the compact design
- Protected against contamination (capsuled)
- Highest repeatability
- Highest rigidity

Technical features

- Spring clamped, pneumatic open
- Increase of the clamping force via Turbo function
- H7 quality pilot bore optional
- Housing and functional parts hardened
- Air purge
- 2 jaw interfaces: tongue & groove and fine serration 1.5x60°
- OD clamping only

Standard equipment

Self-centering vice without top jaws



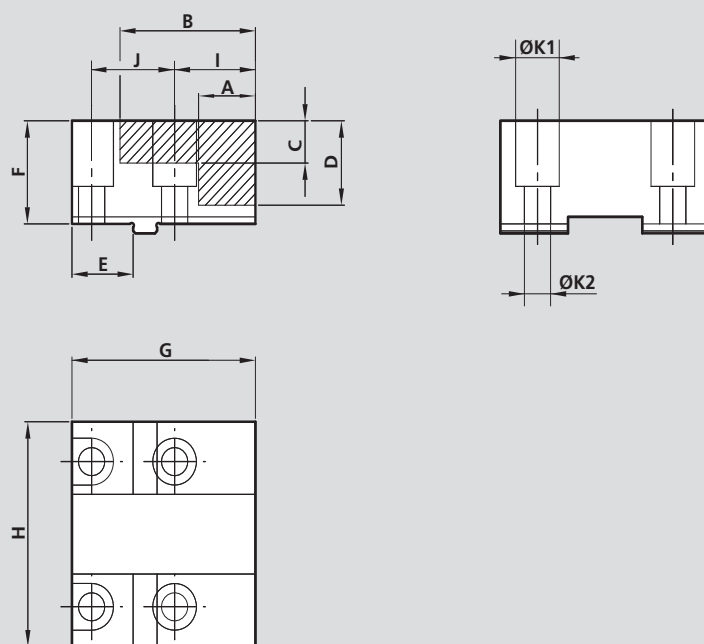
Order review

Type	Id. No.	Max. Clamping force	Stroke/Jaw	Max. operating pressure	Repeatability	Weight
TV 200-S-F	77904220	13 kN* / 28 kN**	10.2 mm	9 bar	0.01 mm	30.0 kg

* with spring force

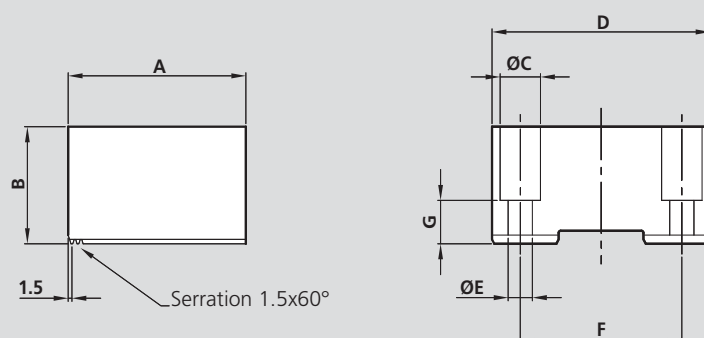
** with Turbo function

- Soft top jaw raw material
- Tongue & groove or fine serration 1.5x60°



Soft top jaws tongue & groove, material C43, temperable

Type	Id. No.	A	B	C	D	E	F	G	H	I	J	K1	K2	Clamp. Range
TV/SL 100	461040-1	14	35	9	18	16	27	47	55	21	21	11	7	0-70
TV/SL 100	461040-2	14	35	9	18	16	50	47	55	21	21	11	7	0-70
TV/SL 160	461041-1	28	56	19	30	24	42.5	76	80	38	30	14	9	0-120
TV/SL 160	461041-2	28	56	19	30	24	80	76	80	38	30	14	9	0-120
TV/SL 200	461042-1	28.5	65.5	21	32	40	47.5	98.5	106	44.5	40	14	9	0-150
TV/SL 200	461042-2	28.5	65.5	21	32	40	92.5	98.5	106	44.5	40	14	9	0-150
TV/SL 250	461043	36	80	21	35	54	50	118	125	47	48	18	11	0-170

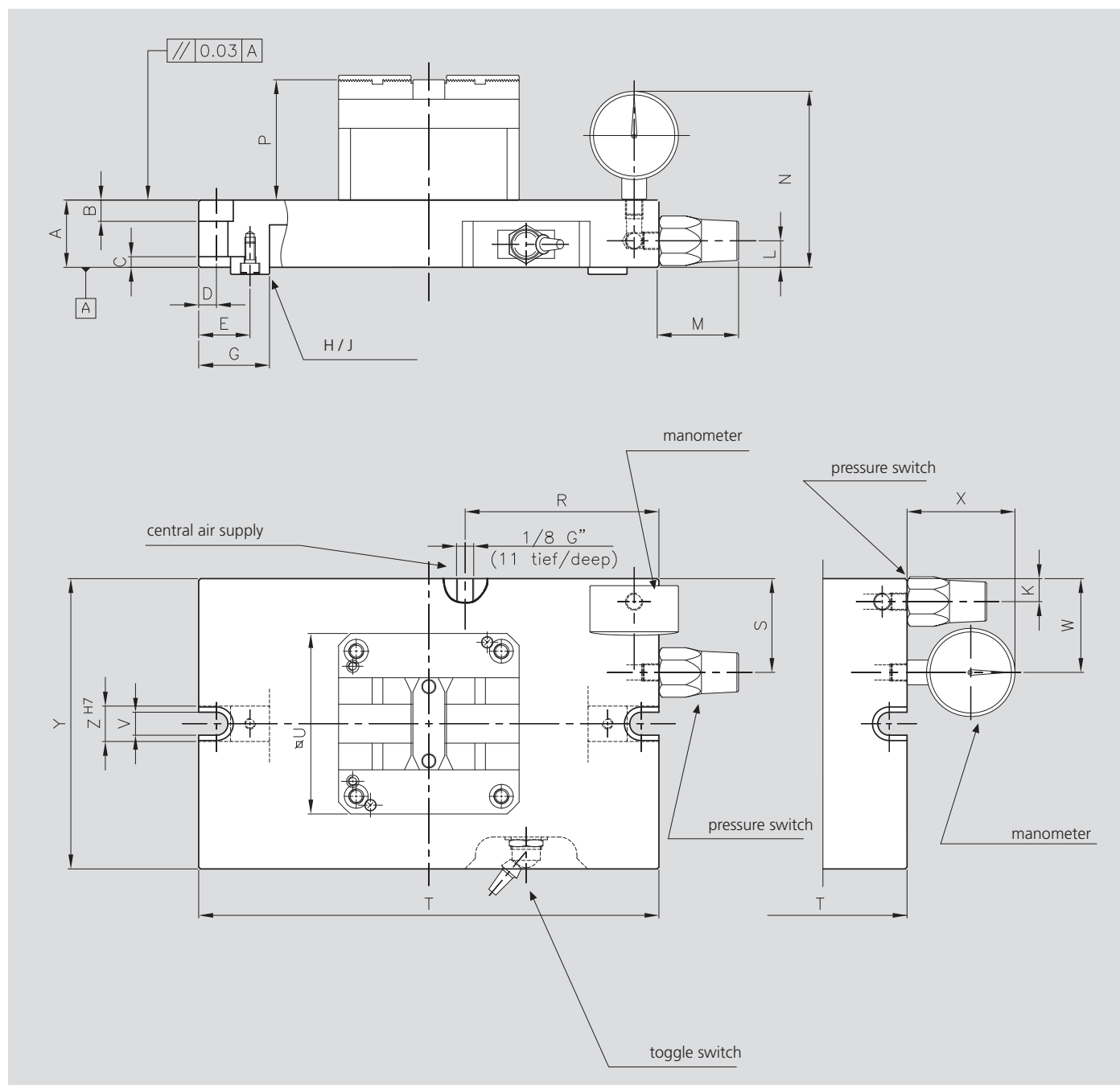


Soft top jaws fine serration 1.5x60°, material C43, temperable

Type	Id. No.	A	B	C	D	E	F	G
TV/SL 100	461044-1	42	25	11	55	6.6	35	9
TV/SL 100	461044-2	42	50	11	55	6.6	35	9
TV/SL 160	461045-1	66	40	15	80	9	60	12
TV/SL 160	461045-2	66	80	15	80	9	60	12
TV/SL 200	461046-1	87	45	15	106	9	80	15
TV/SL 200	461046-2	87	90	15	106	9	80	15
TV/SL 250	461047	108	50	18	125	11	90	18

- For pneumatic actuation of the self-centering Vices SL
- With manual actuation, pressure switch, safety valve, manometer

Base plate to actuate 1 self-centering Power Vice TV / SL 100 and 160



Version for self-centering Power Vice TV / SL 100 and 160:

Type	A	B	C	D	E	G	H	L	M	N	P	R	S	T	U	V	Z	Y	X	K	W	J
TV/SL 100	38	12	6	10	29	40	M6	15	45	100	81	109.5	53	260	105	13	20	164	61	13	53	11
TV/SL 160	38	12	6	10	29	40	M6	15	45	100	91.5	109.5	53	260	162	13	20	164	61	13	53	11

Ordernumbers

Id. No. 461048 base plate 1 for TV / SL 100

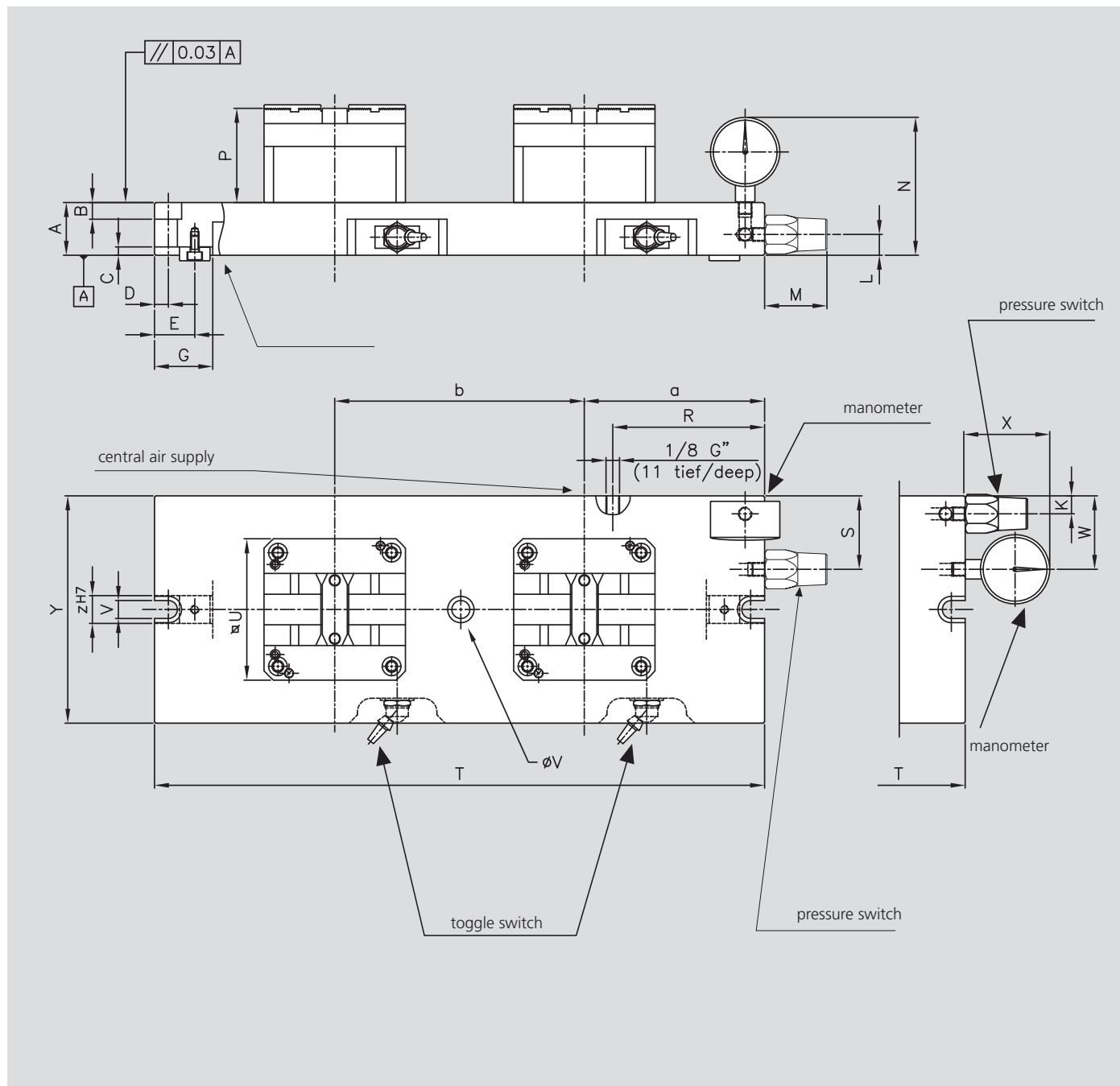
Id. No. 461049 base plate 1 for TV / SL 160

Further versions on request.

- For pneumatic actuation of the self-centering Vices SL
- With manual actuation, pressure switch, safety valve, manometer

Accessories

Base plate to actuate 2 self-centering Power Vice TV / SL 100 and 160



Version for self-centering Power Vice TV / SL 100 and 160:

Type	a	b	A	B	C	D	E	G	H	L	M	N	P	R	S	T	U	V	Z	Y	X	K	W	J
TV/SL 100	130	180	38	12	6	10	29	40	M6	15	45	100	81	109.5	53	440	105	13	20	164	61	13	53	11
TV/SL 160	130	180	38	12	6	10	29	40	M6	15	45	100	91.5	109.5	53	440	162	13	20	164	61	13	53	11

Ordernumbers:

Id. No. 461050 base plate 2 for TV / SL 100

Id. No. 461051 base plate 2 for TV / SL 160

Further versions on request.