

Machine elements

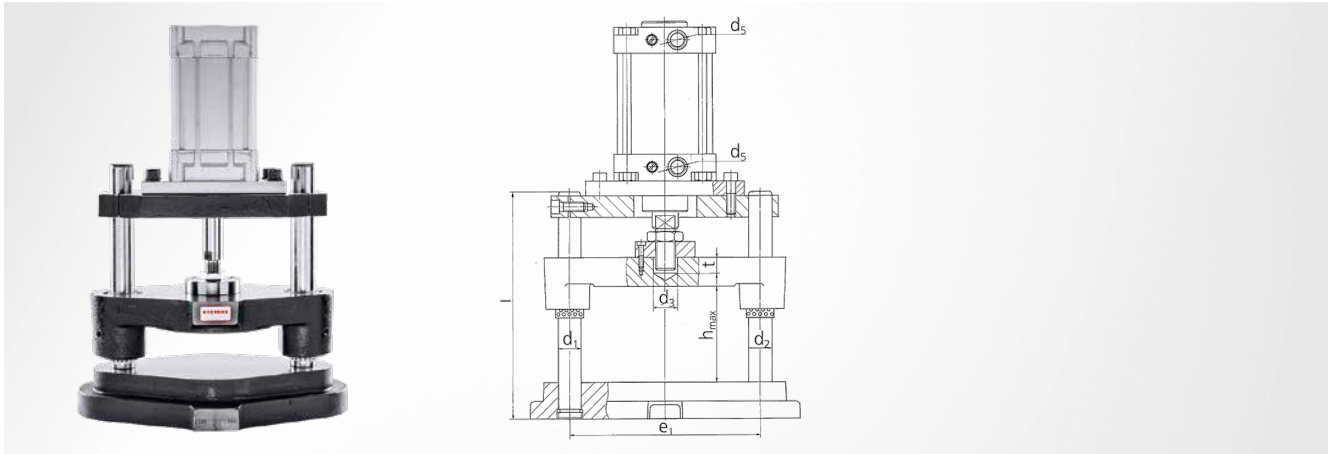
- Pneumatic stamping unit
- Toggle-lever presses





ST1092 Pneumatic stamping unit

with round working surface



Note

Consisting of pneumatic cylinder, threaded flange, die set with ball guide, traverse

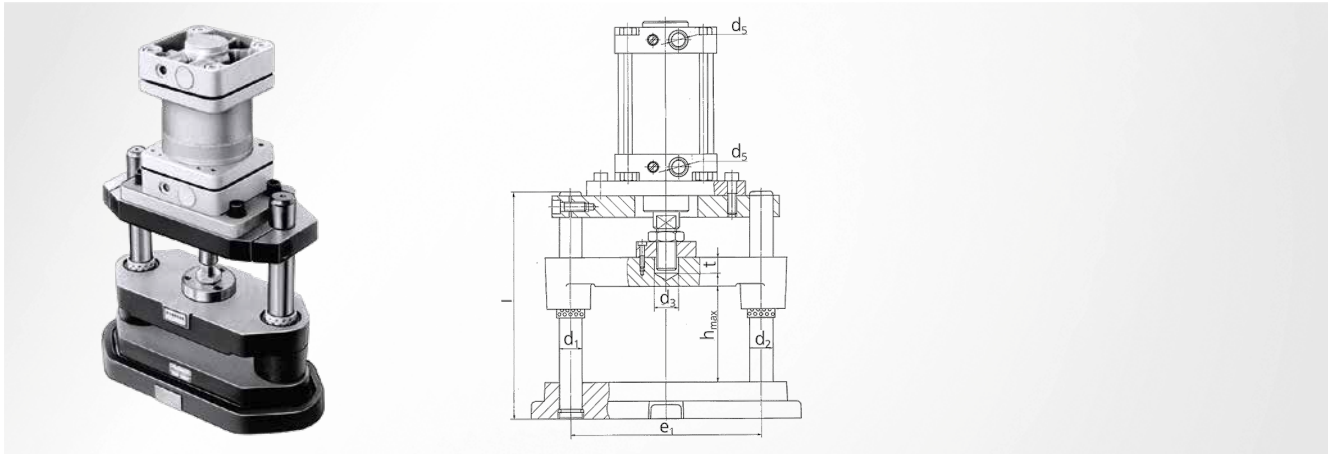
Scope of supply

ST1002; ST9062; ST9067; ST9041

$d_1 / d_2 \times l$	D	d_3	d_5	e_1	t	$\varnothing_{\text{Cylinder}}$	Compressive force F at 6 bar N	Stroke $\varnothing_{\text{Cylinder}}$	h_{max}	Item number
24 / 25 x 280	125	25	G 3/8"	184	15	80	3015	50	115	ST1092 125
30 / 32 x 315	160	25	G 1/2"	229	15	100	4712	50	130	ST1092 160
30 / 32 x 355	200	32	G 1/2"	269	20	125	7360	100	165	ST1092 200
38 / 40 x 400	250	42	G 3/4"	335	28	160	12060	100	170	ST1092 250

ST1292 Pneumatic stamping unit

with rectangular working surface



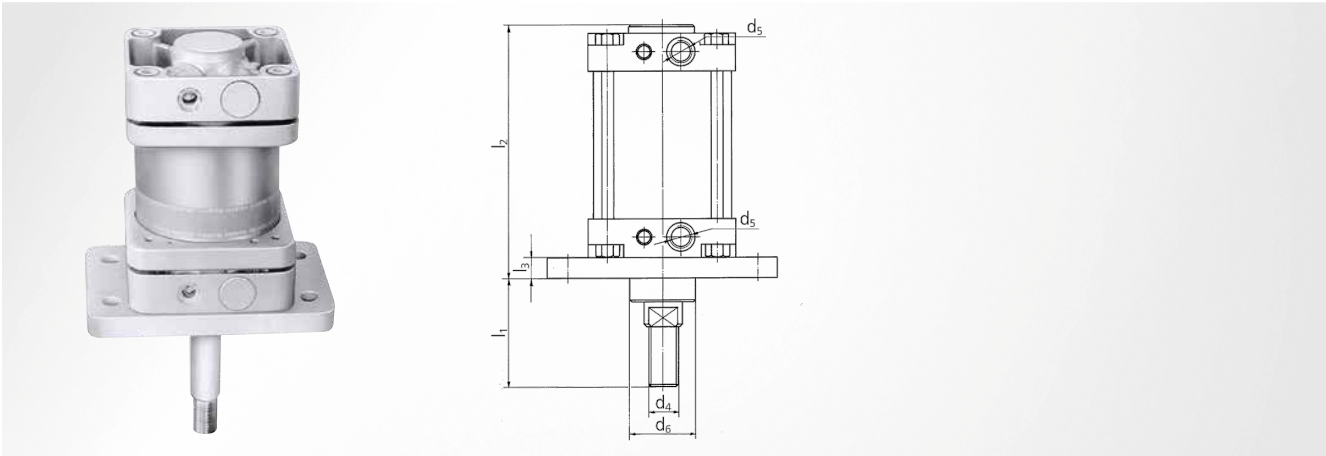
Note

Consisting of pneumatic cylinder, threaded flange, die set with ball guide, traverse

Scope of supply

ST1202; ST9062; ST9067; ST9041

$d_1 / d_2 \times l$	$a_1 \times b_1$	d_3	d_5	e_1	l	t	$\varnothing_{\text{Cylinder}}$	Compressive force F at 6 bar N	Stroke Cylinder	h_{max}	Item number
24 / 25 x 280	125 x 80	25	G 3/8"	184	280	15	80	3015	50	115	ST1292 125 x 080
24 / 25 x 280	125 x 100	25	G 3/8"	184	280	15	80	3015	50	115	ST1292 125 x 100
30 / 32 x 315	160 x 125	25	G 1/2"	229	315	15	100	4712	50	130	ST1292 160 x 125
30 / 32 x 355	200 x 100	32	G 1/2"	269	355	20	125	7360	100	165	ST1292 200 x 100
30 / 32 x 355	200 x 125	32	G 1/2"	269	355	20	125	7360	100	165	ST1292 200 x 125
30 / 32 x 355	200 x 160	32	G 1/2"	269	355	20	125	7360	100	165	ST1292 200 x 160
38 / 40 x 400	250 x 200	42	G 3/4"	335	400	28	160	12060	100	170	ST1292 250 x 200



DIN ISO 6431

Installation instruction

The next size is suitable for use without flange; screw on from underneath; if required, enlarge the length (l) of the guide pillars appropriately

Note

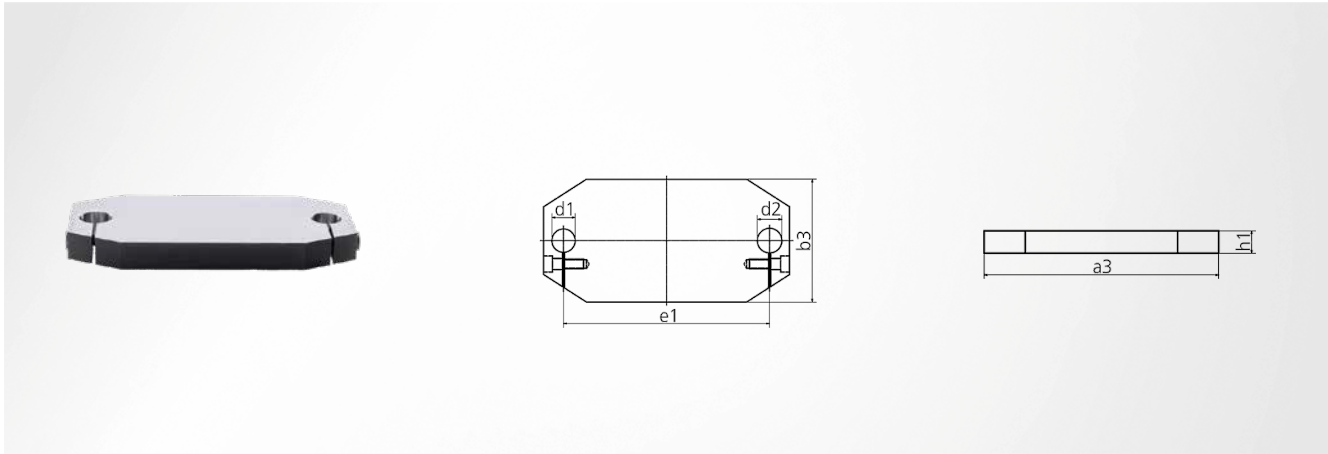
Hydro-supported pneumatic cylinders available upon request; diameter 200 has no flange

Compressive force N	D	Stroke	d ₄	d ₅	d ₆	l ₁	l ₂	l ₃	Item number
3015	80	50	M20 x 1.5	G3/8"	48	70	148	18	ST9041 080 x 050
4712	100	50	M20 x 1.5	G1/2"	52	75	159	18	ST9041 100 x 050
7360	125	100	M27 x 2	G1/2"	60	99	186	20	ST9041 125 x 100
12060	160	100	M36 x 2	G3/4"	80	132	205	25	ST9041 160 x 100
18840	200	100	M36 x 2	G3/4"	80	142	217	25	ST9041 200 x 100

ST9061 Traverse

not bored

STEINEL®



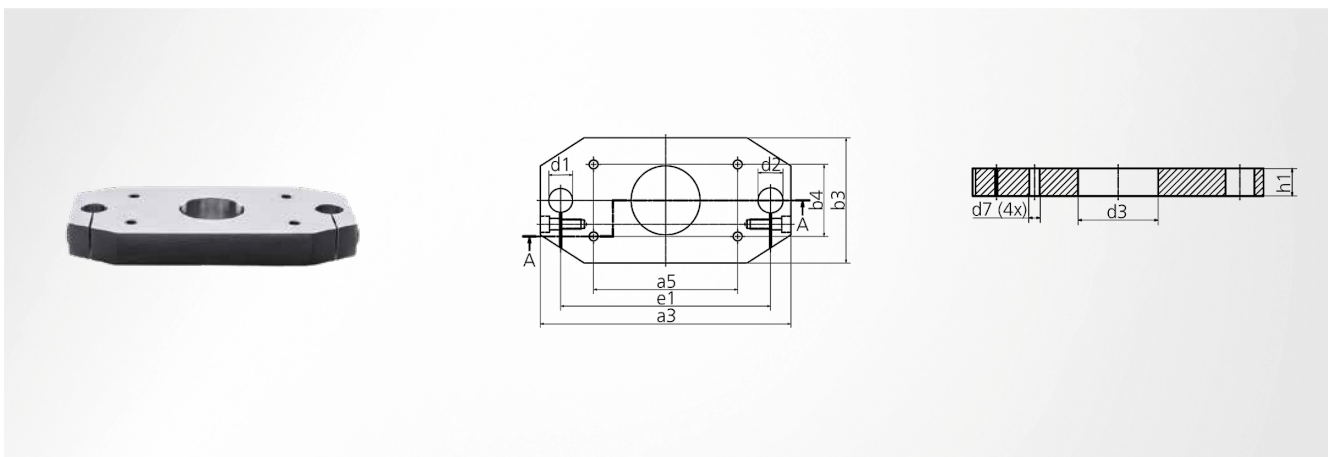
Material

Steel 1.1730

a_3	b_3	d_1	d_2	e_1	h_1	Item number
228	115	24	25	184	28	ST9061 184
280	135	30	32	229	28	ST9061 229
320	160	30	32	269	38	ST9061 269
400	200	38	40	335	38	ST9061 335

ST9062 Traverse

bored

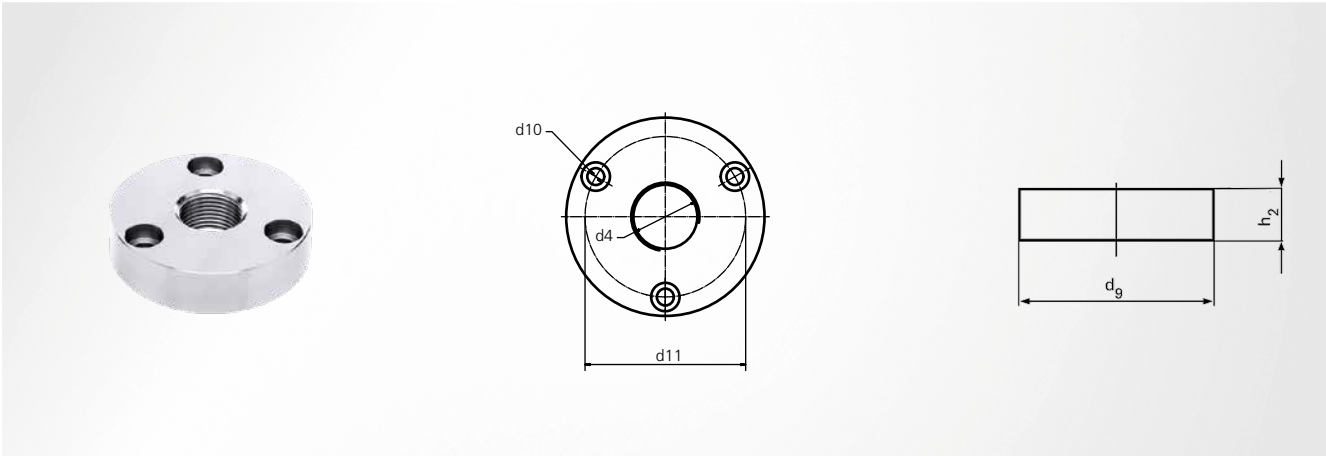


Material

Steel 1.1730

a_3	a_5	b_3	d_1	d_2	d_3	b_4	e_1	h_1	d_7	Item number
228	126	115	24	25	52	63	184	28	M10	ST9062 184
280	150	135	30	32	56	75	229	28	M12	ST9062 229
320	180	160	30	32	74	90	269	38	M14	ST9062 269
400	230	200	38	40	110	115	335	38	M16	ST9062 335

ST9067 Threaded flange



d ₄	d ₉	d ₁₀	d ₁₁	h ₂	Item number
M20 x 1.5	70	M6	56	16	ST9067 20
M27 x 2	80	M8	62	20	ST9067 27
M36 x 2	105	M8	85	28	ST9067 36

ST9072 Mounting tabel

for pneumatic stamping unit



Size (W x H x D)

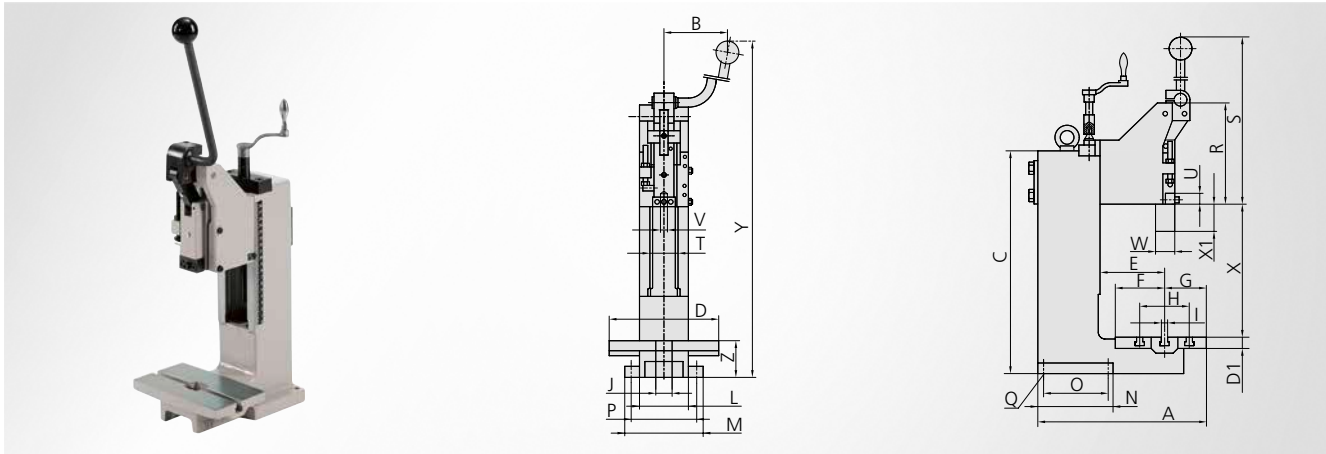
725 x 722.5 x 605 mm

Item number

ST907201

Note

Thickness of the work surface:
42.5 mm



The ST912x toggle-lever presses boast 360° adjustable hand levers, height adjustability, large ram strokes, work tables with T-slots for tool fixing, clearance boreholes in the middle of the tables and a compact and stable design, while taking up little space.

Note

via a change of the bearing bolt, ST9124, ST9126 convertible to 12 kN or 16 kN at max. stroke 25 mm

	ST9120	ST9122	ST9124	ST9126
A	202	227	310	420
B	140	140	140	160
C	320	344	415	590
D	150	180	200	300
D1	12	15	20	30
E	90	90	120	160
F	60	60	92	130
G	40	50	75	100
H				100
J	25	30	40	80
K	25	30	40	60
L	58	80	90	120
M	90	130	140	160
N	112	115	140	160
O	85	95	120	130
P	74	110	120	144
R	143	166	188	264
S	380	480	508	710
T	28	48	48	65
U	25	21	21	29
W	26	35	35	48
Y	480-600	595-715	655-820	930-1150
Z	50	52	70	125
Ø Q	7	9	9	9
Ø Truing-up trunnion bore in the ram (V)	10H7	10H7	10H7	15H7
mounting surface	150 x 100	190 x 110	200 x 165	300 x 230
mounting surface at the ram	27 x 30	33 x 48	33 x 48	48 x 65
overhang E	90	90	120	160
compressive force	2.5	5	8 + 12	8 + 16
weight (kg)	12	20	32	79
base space	150 x 200	180 x 240	180 x 310	300 x 420
height	400	420	500	710
width of groove (I)	M8 x 10	M8 x 10	M8 x 10	M8 x 10
space requirement incl. hand lever	150 x 600	180 x 665	180 x 819	300 x 1150

	ST9120	ST9122	ST9124	ST9126
ram stroke (X1)	0-42	0-40	0-45	0-58
distance between tabel and ram	33-195	25-195	30-243	42-325
pitch range (X)	75-190	70-195	75-240	100-320
centre borehole in the tabel (J)	25	30	40	80