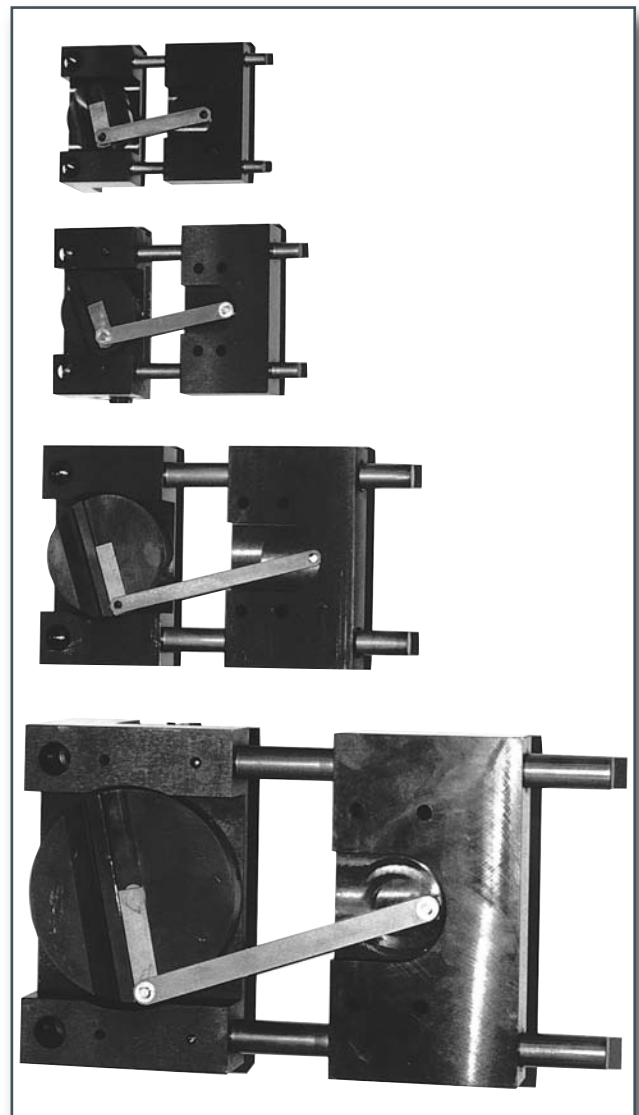


The PTM-Linear Modules – LM – work with our PTM-Actuators. In contrast to the normal linear units, the PTM-Linear Modules use a crank. Therefore there are many advantages. This causes a sinucidal move of the slide with high positioning accuracy and smooth end positioning. The reduced end speed is supported by the end position damping of the PTM-Actuators – DA –. The movements of the slide will be shock-free.

The slide strokes are continuous adjustable between 0 and 25, 30, 52 or 90 mm.

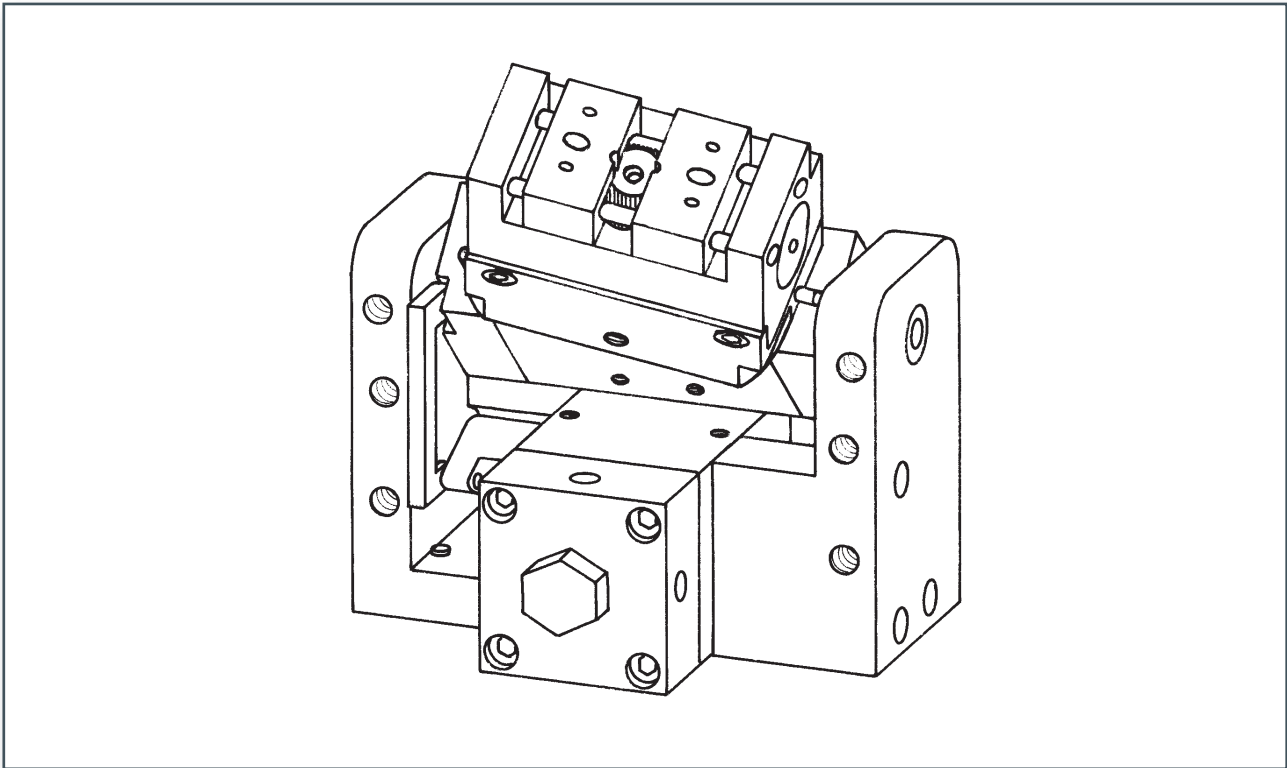
The PTM-Tilting Module – SM – in connection with a fix mounted Parallel Gripper – PSM – is able to tilt a workpiece by 90° from a horizontal position to a vertical position and back. The position of the workpiece will not be changed.

The PTM-Double Tilting Head – DSK – gives the additional possibility to tilt a workpiece with a defined tilting angle of 90° or 180°. Other tilting angles on request.



Double Tilting Head DSK 0020, DSK 0050, DSK 0200

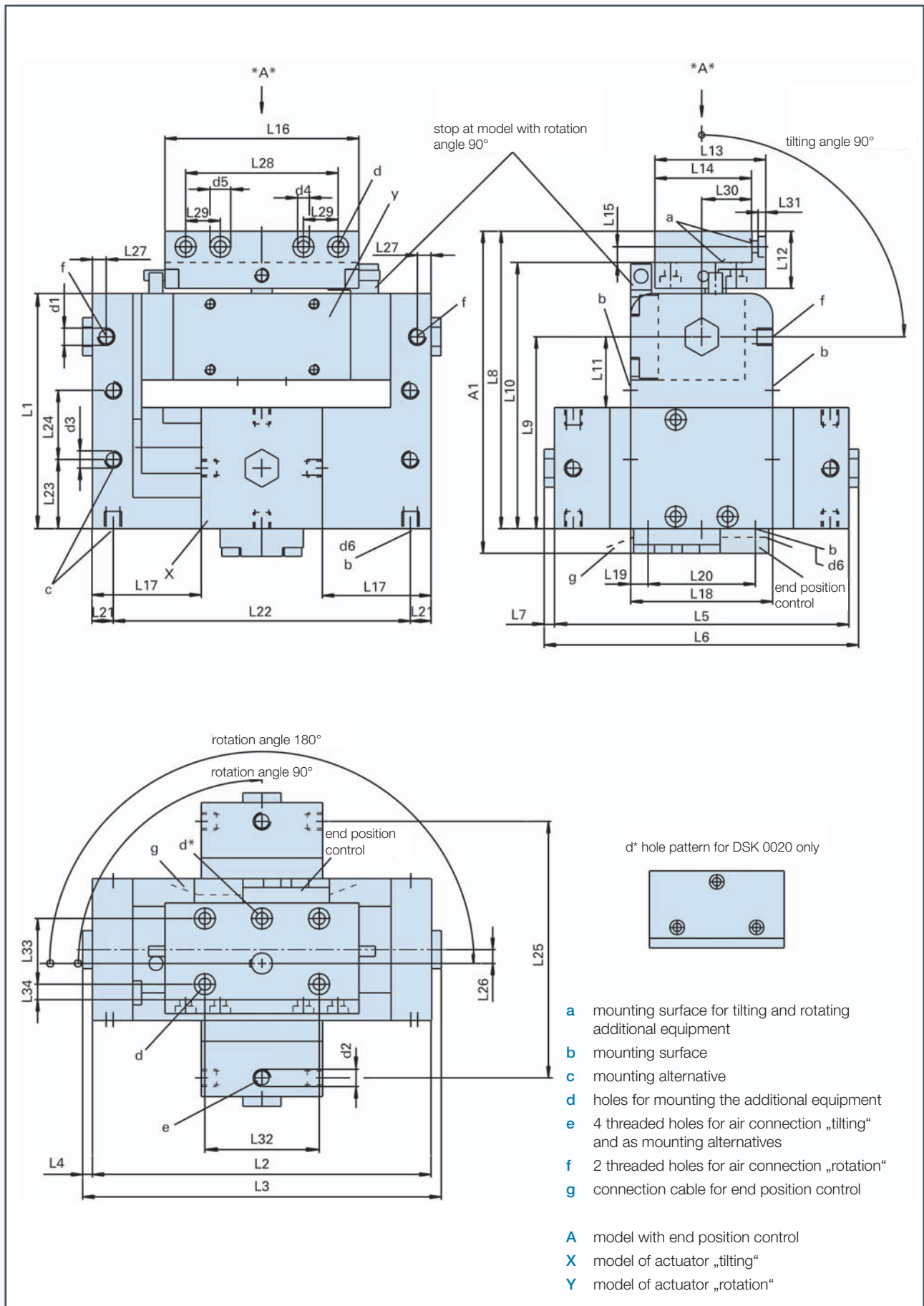
Brief technical data



Material:	<ul style="list-style-type: none">- aluminum hard or black anodized- steel parts of stainless material or corrosion resistant- shorttime gas nitration
Operating or mounting position:	<ul style="list-style-type: none">- any position
Operating temperature:	<ul style="list-style-type: none">- -10° to +80°C (14° to 176°F)
Operating media:	<ul style="list-style-type: none">- filtered oiled or filtered oil-free air- Attention : only oil-free air should be used at low rotation speed as interruptions could harm the smooth process
Operating pressure:	<ul style="list-style-type: none">- maximum 6 bar (specs are based on 6 bar = 88psi)
Movement:	<ul style="list-style-type: none">- tilting 90°- rotation 180°
Actuation:	<ul style="list-style-type: none">- Pneumatic Mini Actuator with end position damping
End position control with LED:	<ul style="list-style-type: none">- please consult our sheet „End position control“
Model and installation accessories:	<ul style="list-style-type: none">- the adapter or mounting surface, which is delivered with the basic unit, is prepared for the mounting of our Parallel Gripper PSM. However any other equipment of the customers choice (for example suction grippers) can be mounted.
Installation recommendation:	<ul style="list-style-type: none">- to ensure long life of our devices the use of throttle valves is highly recommended.

Double Tilting Head

DSK 0020, DSK 0050, DSK 0200



model	DSK 0020	DSK 0050	DSK 0200	DSK 0200
suitable for	PSM 0030-007	PSM 0050-011	PSM 0200-013	PSM 0600-016
X	DA 0050-095	DA 0200-095	DA 0500-095	DA 0500-095
Y	DA 0020-185	DA 0050-185	DA 0200-185	DA 0200-185
d1	M5x8	M5x8	M5x8	M5x8
d2	M5x4	M5x5,5	R1/8x8	R1/8x8
d3	M5x8	M5x8	M6x10	M6x10
d4	6	6	6	8
d5	3,4	3,4	3,4	4,4
d6	M5x8	M5x8	M6x10	M6x10
L1	55	68	99,5	99,5
L2	84 ±0,5	97,8 ±0,5	127 ±0,5	127 ±0,5
L3	--	--	132,6 ±0,7	132,6 ±0,7
L4	--	--	2,8	2,8
L5	70 +0,4-0,6	85 +0,4-0,6	124 +0,4-0,6	124 +0,4-0,6
L6	75,6 +0,6-0,8	90,6 +0,6-0,8	129,6 +0,6-0,8	129,6 +0,6-0,8
L7	2,8	2,8	2,8	2,8
L8	67	86	123,5	129,3
L9	45	55,5	82	82
L10	65	77	114,5	114,5
L11	19	20,5	32	32
L12	10	16,5	22	28
L13	24	32	40	59
L14	22	28	35	54
L15	--	4,5	4,5	7,5
L16	40	56	72	92
L17	29,5	31,4	38,5	38,5
L18	40	41	60	60
L19	5	5	5	5
L20	30	31	50	50
L21	6	6	8	8
L22	72 ±0,7	85,8 ±0,7	111 ±0,8	111 ±0,8
L23	16	20	25	25
L24	16	20	30	30
L25	59,2 ±0,4	74,2 ±0,4	108,2 ±0,4	108,2 ±0,4
L26	2,5	4	6	6
L27	4	4	4,5	4,5
L28	--	44	52	72
L29	--	--	10	15
L30	11	14,5	18	23
L31	4	2,2	3,2	3,2
L32	30	33	65	57
L33	15	19	26	43
L34	3	4,5	4	5,5
A1	75	94	131,5	137,3
"A" kg	4,0	6,0	10,0	10,0
weight in kg	0,4	0,74	1,9	2,0

Ordering Code

DSK XXXX - XXX - X

model code **090** rotation angle max. 90°
180 rotation angle max. 180°

0 = basic model
1 = with end position control (sheet "end position control")
7 = with adapter plate for PSM 0600 instead of PSM 0200
8 = with 1 and 7

we deliver :
Double Tilting Head model DSK 0050
rotation angle max. 90°
with end position control

Ordering Example **you order :**
DSK 0050 - 090 - 1