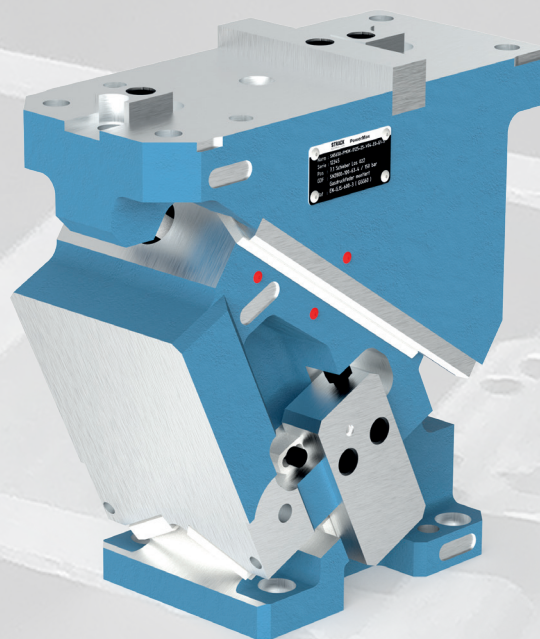


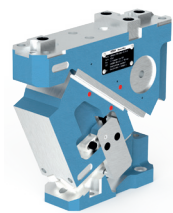


OBEN HÄNGENDE SCHIEBER
AERIAL CAM UNITS
COULISSEAUX SUSPENDU

PowerMax®



STRACK®
NORMALIEN

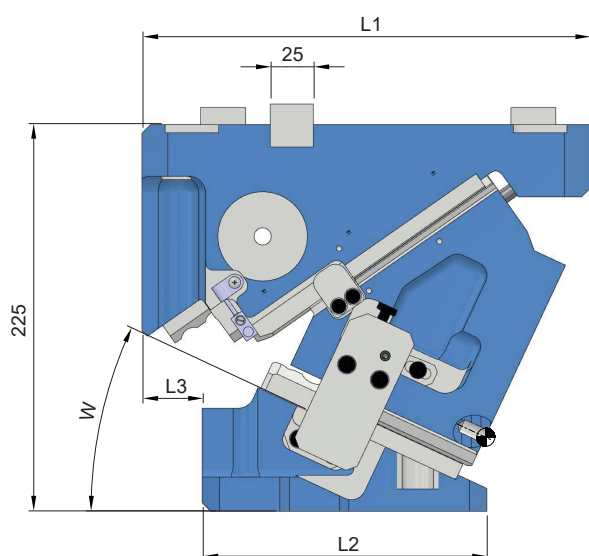


SN5650-PMO-0065-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	65 x 110 mm
Schieberbreite max.	Cam unit width max.	65 mm
Einbauhöhe	Installation height	225 mm
Schieberkraft	Cam force	> 100 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



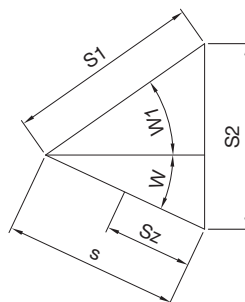
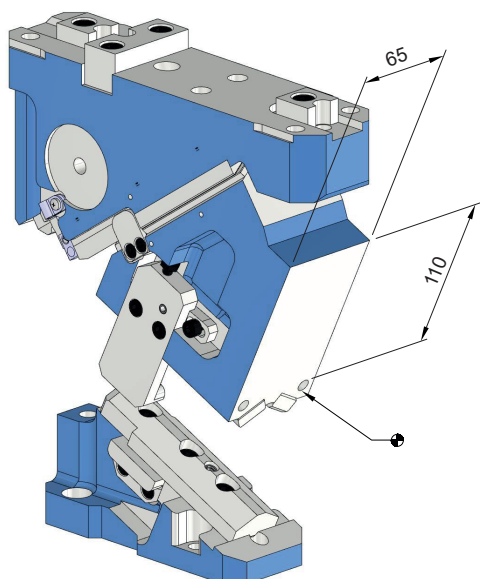
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



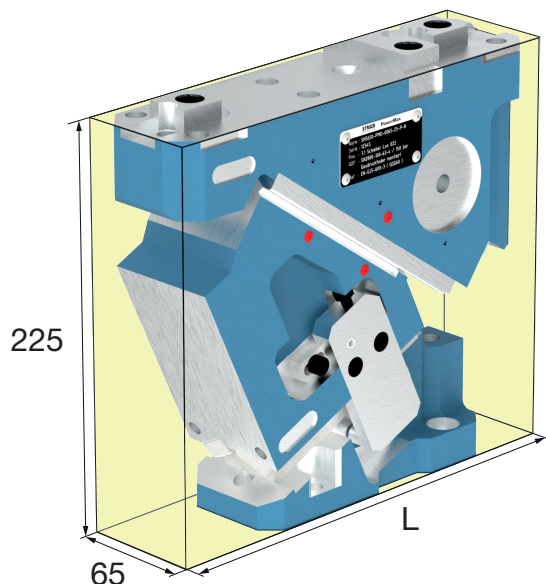
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

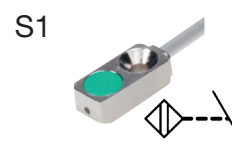
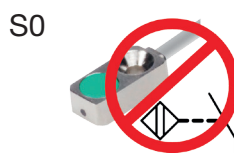
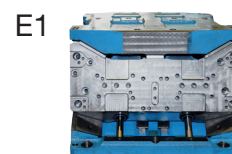
SN5650-PMO-0065-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



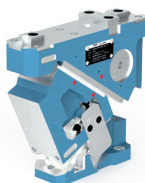
W = Schieberwinkel
Cam Angle

E = Einarbeitung
Machining

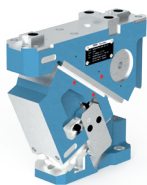
G = Gasdruckfeder
Gas spring

SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E0-G0-S0-V04
0°	E0	G0	S1	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E0-G0-S1-V04
0°	E0	G1	S0	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E0-G1-S0-V04
0°	E0	G1	S1	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E0-G1-S1-V04
0°	E1	G0	S0	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E1-G0-S0-V04
0°	E1	G0	S1	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E1-G0-S1-V04
0°	E1	G1	S0	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E1-G1-S0-V04
0°	E1	G1	S1	245	47	35.5	52	38	22	245	200	35	SN5650-PMO-0065-00-E1-G1-S1-V04
5°	E0	G0	S0	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E0-G0-S0-V04
5°	E0	G0	S1	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E0-G0-S1-V04
5°	E0	G1	S0	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E0-G1-S0-V04
5°	E0	G1	S1	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E0-G1-S1-V04
5°	E1	G0	S0	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E1-G0-S0-V04
5°	E1	G0	S1	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E1-G0-S1-V04
5°	E1	G1	S0	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E1-G1-S0-V04
5°	E1	G1	S1	245	45	36.9	52	40	27	245	200	35	SN5650-PMO-0065-05-E1-G1-S1-V04
10°	E0	G0	S0	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E0-G0-S0-V04
10°	E0	G0	S1	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E0-G0-S1-V04
10°	E0	G1	S0	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E0-G1-S0-V04
10°	E0	G1	S1	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E0-G1-S1-V04
10°	E1	G0	S0	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E1-G0-S0-V04
10°	E1	G0	S1	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E1-G0-S1-V04
10°	E1	G1	S0	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E1-G1-S0-V04
10°	E1	G1	S1	255	42	39.2	52	41.6	28	255	195	30	SN5650-PMO-0065-10-E1-G1-S1-V04
15°	E0	G0	S0	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E0-G0-S0-V04
15°	E0	G0	S1	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E0-G0-S1-V04
15°	E0	G1	S0	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E0-G1-S0-V04
15°	E0	G1	S1	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E0-G1-S1-V04
15°	E1	G0	S0	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E1-G0-S0-V04
15°	E1	G0	S1	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E1-G0-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S0	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E1-G1-S0-V04
15°	E1	G1	S1	255	40	41.2	52	44.1	28	255	195	30	SN5650-PMO-0065-15-E1-G1-S1-V04
20°	E0	G0	S0	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E0-G0-S0-V04
20°	E0	G0	S1	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E0-G0-S1-V04
20°	E0	G1	S0	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E0-G1-S0-V04
20°	E0	G1	S1	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E0-G1-S1-V04
20°	E1	G0	S0	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E1-G0-S0-V04
20°	E1	G0	S1	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E1-G0-S1-V04
20°	E1	G1	S0	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E1-G1-S0-V04
20°	E1	G1	S1	260	37	44.2	52	46.4	30	260	165	35	SN5650-PMO-0065-20-E1-G1-S1-V04
25°	E0	G0	S0	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E0-G0-S0-V04
25°	E0	G0	S1	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E0-G0-S1-V04
25°	E0	G1	S0	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E0-G1-S0-V04
25°	E0	G1	S1	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E0-G1-S1-V04
25°	E1	G0	S0	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E1-G0-S0-V04
25°	E1	G0	S1	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E1-G0-S1-V04
25°	E1	G1	S0	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E1-G1-S0-V04
25°	E1	G1	S1	260	35	47	52	49.7	35	260	165	35	SN5650-PMO-0065-25-E1-G1-S1-V04
30°	E0	G0	S0	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E0-G0-S0-V04
30°	E0	G0	S1	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E0-G0-S1-V04
30°	E0	G1	S0	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E0-G1-S0-V04
30°	E0	G1	S1	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E0-G1-S1-V04
30°	E1	G0	S0	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E1-G0-S0-V04
30°	E1	G0	S1	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E1-G0-S1-V04
30°	E1	G1	S0	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E1-G1-S0-V04
30°	E1	G1	S1	260	32	50.9	52	53	40	260	150	30	SN5650-PMO-0065-30-E1-G1-S1-V04
35°	E0	G0	S0	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E0-G0-S0-V04
35°	E0	G0	S1	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E0-G0-S1-V04
35°	E0	G1	S0	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E0-G1-S0-V04
35°	E0	G1	S1	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E0-G1-S1-V04
35°	E1	G0	S0	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E1-G0-S0-V04
35°	E1	G0	S1	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E1-G0-S1-V04
35°	E1	G1	S0	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E1-G1-S0-V04
35°	E1	G1	S1	260	30	49.7	52	52	40	260	150	30	SN5650-PMO-0065-35-E1-G1-S1-V04
40°	E0	G0	S0	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E0-G0-S0-V04
40°	E0	G0	S1	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E0-G0-S1-V04
40°	E0	G1	S0	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E0-G1-S0-V04
40°	E0	G1	S1	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E0-G1-S1-V04
40°	E1	G0	S0	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E1-G0-S0-V04
40°	E1	G0	S1	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E1-G0-S1-V04
40°	E1	G1	S0	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E1-G1-S0-V04
40°	E1	G1	S1	265	27	54.7	47	56.5	40	265	145	15	SN5650-PMO-0065-40-E1-G1-S1-V04
45°	E0	G0	S0	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E0-G0-S0-V04
45°	E0	G0	S1	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E0-G0-S1-V04
45°	E0	G1	S0	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E0-G1-S0-V04
45°	E0	G1	S1	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E0-G1-S1-V04
45°	E1	G0	S0	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E1-G0-S0-V04
45°	E1	G0	S1	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E1-G0-S1-V04
45°	E1	G1	S0	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E1-G1-S0-V04
45°	E1	G1	S1	265	25	60.2	47	62.5	40	265	145	15	SN5650-PMO-0065-45-E1-G1-S1-V04
50°	E0	G0	S0	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E0-G0-S0-V04
50°	E0	G0	S1	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E0-G0-S1-V04
50°	E0	G1	S0	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E0-G1-S0-V04
50°	E0	G1	S1	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E0-G1-S1-V04
50°	E1	G0	S0	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E1-G0-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G0	S1	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E1-G0-S1-V04
50°	E1	G1	S0	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E1-G1-S0-V04
50°	E1	G1	S1	265	22	67.8	47	69.5	50	265	135	5	SN5650-PMO-0065-50-E1-G1-S1-V04
55°	E0	G0	S0	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E0-G0-S0-V04
55°	E0	G0	S1	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E0-G0-S1-V04
55°	E0	G1	S0	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E0-G1-S0-V04
55°	E0	G1	S1	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E0-G1-S1-V04
55°	E1	G0	S0	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E1-G0-S0-V04
55°	E1	G0	S1	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E1-G0-S1-V04
55°	E1	G1	S0	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E1-G1-S0-V04
55°	E1	G1	S1	265	20	68.8	42	70.7	50	265	135	5	SN5650-PMO-0065-55-E1-G1-S1-V04
60°	E0	G0	S0	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E0-G0-S0-V04
60°	E0	G0	S1	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E0-G0-S1-V04
60°	E0	G1	S0	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E0-G1-S0-V04
60°	E0	G1	S1	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E0-G1-S1-V04
60°	E1	G0	S0	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E1-G0-S0-V04
60°	E1	G0	S1	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E1-G0-S1-V04
60°	E1	G1	S0	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E1-G1-S0-V04
60°	E1	G1	S1	270	17	70.8	37	72.1	30	270	115	10	SN5650-PMO-0065-60-E1-G1-S1-V04
65°	E0	G0	S0	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E0-G0-S0-V04
65°	E0	G0	S1	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E0-G0-S1-V04
65°	E0	G1	S0	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E0-G1-S0-V04
65°	E0	G1	S1	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E0-G1-S1-V04
65°	E1	G0	S0	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E1-G0-S0-V04
65°	E1	G0	S1	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E1-G0-S1-V04
65°	E1	G1	S0	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E1-G1-S0-V04
65°	E1	G1	S1	270	15	73.1	32	74.6	30	270	115	10	SN5650-PMO-0065-65-E1-G1-S1-V04
70°	E0	G0	S0	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E0-G0-S0-V04
70°	E0	G0	S1	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E0-G0-S1-V04
70°	E0	G1	S0	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E0-G1-S0-V04
70°	E0	G1	S1	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E0-G1-S1-V04
70°	E1	G0	S0	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E1-G0-S0-V04
70°	E1	G0	S1	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E1-G0-S1-V04
70°	E1	G1	S0	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E1-G1-S0-V04
70°	E1	G1	S1	275	12	77.2	27	78.2	50	270	100	5	SN5650-PMO-0065-70-E1-G1-S1-V04
75°	E0	G0	S0	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E0-G0-S0-V04
75°	E0	G0	S1	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E0-G0-S1-V04
75°	E0	G1	S0	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E0-G1-S0-V04
75°	E0	G1	S1	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E0-G1-S1-V04
75°	E1	G0	S0	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E1-G0-S0-V04
75°	E1	G0	S1	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E1-G0-S1-V04
75°	E1	G1	S0	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E1-G1-S0-V04
75°	E1	G1	S1	275	10	83.7	22	84.7	50	270	100	5	SN5650-PMO-0065-75-E1-G1-S1-V04

Bauteile

Components



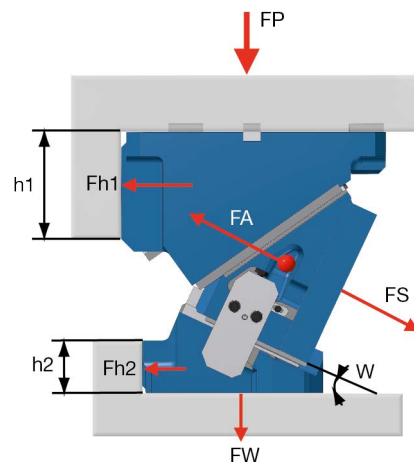
Sparepart lists under www.strack.de

SN5650-PMO-0065-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	106	100	106	100	0	145	25	16
05°	111	105	102	95	8	140	30	17
10°	115	110	97	90	16	135	35	17
15°	119	113	92	83	22	128	48	17
20°	122	117	87	75	27	120	60	16
25°	131	126	85	70	32	110	65	17
30°	139	134	83	65	37	100	70	17
35°	143	138	77	57	39	95	75	19
40°	146	142	71	48	40	90	80	21
45°	148	144	65	40	39	85	80	21
50°	150	147	58	32	38	79	79	21
55°	152	149	52	25	35	60	90	21
60°	153	151	45	18	31	40	100	21
65°	162	159	42	12	27	63	100	22
70°	164	162	35	8	21	54	105	22
75°	166	164	28	4	15	45	110	22



W = Schieberwinkel

FP = P-Presse

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0065-

Schieberkräfte

Cam Force

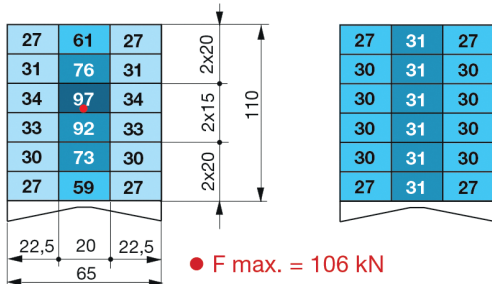
Abschulterung

Shouldering

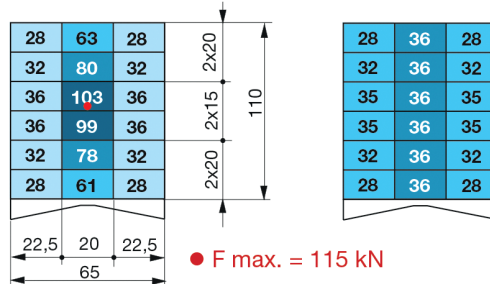
Passfeder

Fitting Key

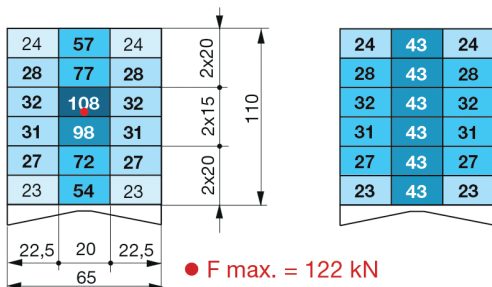
SN5650-PMO-0065-0°



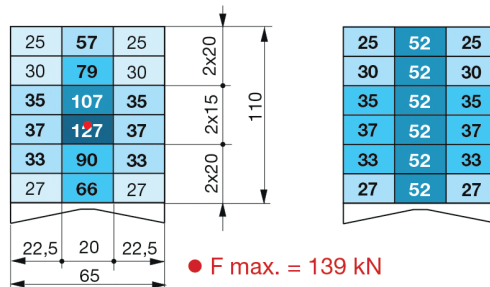
SN5650-PMO-0065-10°



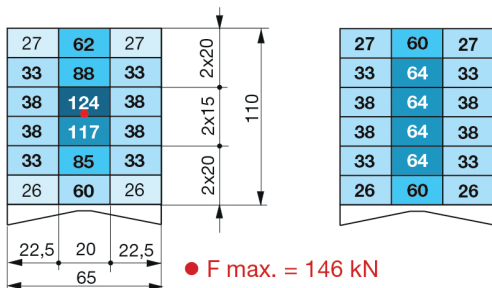
SN5650-PMO-0065-20°



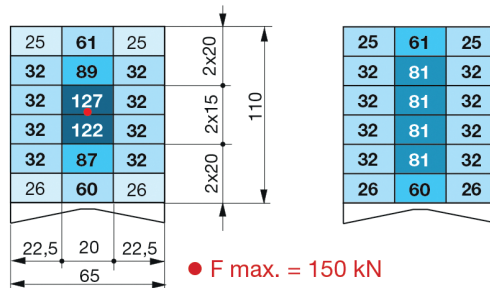
SN5650-PMO-0065-30°



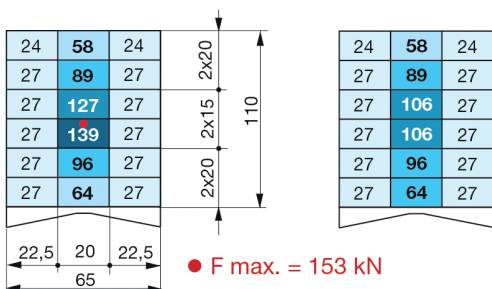
SN5650-PMO-0065-40°



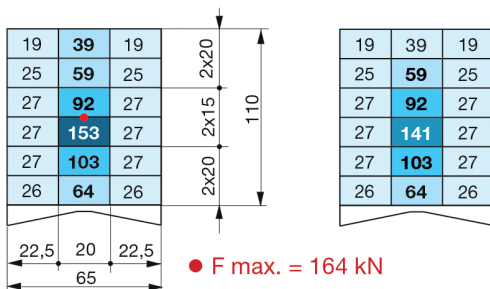
SN5650-PMO-0065-50°

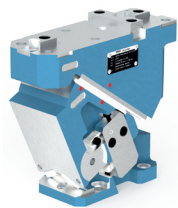


SN5650-PMO-0065-60°



SN5650-PMO-0065-70°



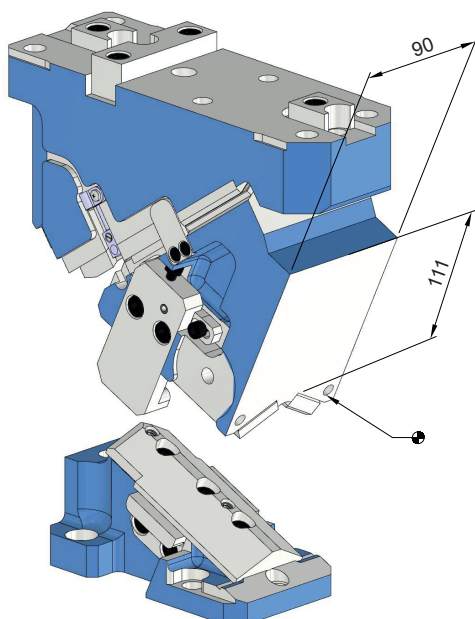
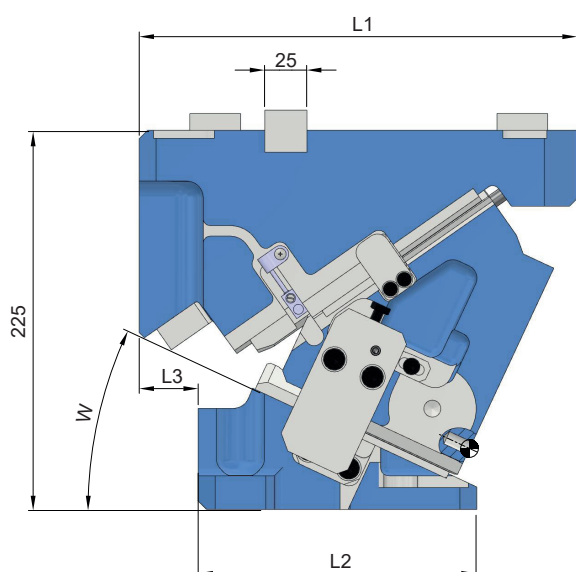


SN5650-PMO-0090-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	90 x 111 mm
Schieberbreite max.	Cam unit width max.	90 mm
Einbauhöhe	Installation height	225 mm
Schieberkraft	Cam force	> 190 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



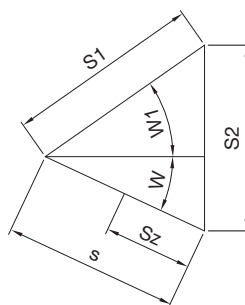
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



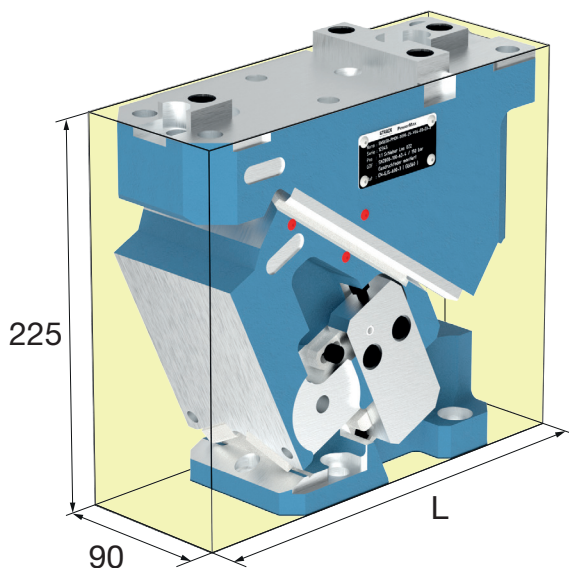
Sz = Eingriffs-länge Aktivrückzug

Sz = Engagement length of activ return

SN5650-PMO-0090-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)

E0



E1



G0



Standard



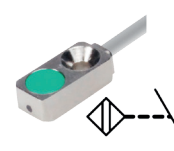
G1



S0



S1



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

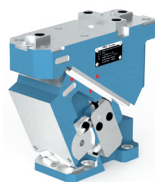
G = Gasdruckfeder

Gas spring

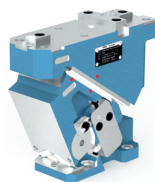
SE = Sensor

Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E0-G0-S0-V04
0°	E0	G0	S1	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E0-G0-S1-V04
0°	E0	G1	S0	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E0-G1-S0-V04
0°	E0	G1	S1	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E0-G1-S1-V04
0°	E1	G0	S0	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E1-G0-S0-V04
0°	E1	G0	S1	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E1-G0-S1-V04
0°	E1	G1	S0	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E1-G1-S0-V04
0°	E1	G1	S1	255	47	35.5	52	38	22	255	200	45	SN5650-PMO-0090-00-E1-G1-S1-V04
5°	E0	G0	S0	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E0-G0-S0-V04
5°	E0	G0	S1	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E0-G0-S1-V04
5°	E0	G1	S0	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E0-G1-S0-V04
5°	E0	G1	S1	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E0-G1-S1-V04
5°	E1	G0	S0	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E1-G0-S0-V04
5°	E1	G0	S1	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E1-G0-S1-V04
5°	E1	G1	S0	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E1-G1-S0-V04
5°	E1	G1	S1	255	45	36.9	52	40	27	255	200	45	SN5650-PMO-0090-05-E1-G1-S1-V04
10°	E0	G0	S0	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E0-G0-S0-V04
10°	E0	G0	S1	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E0-G0-S1-V04
10°	E0	G1	S0	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E0-G1-S0-V04
10°	E0	G1	S1	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E0-G1-S1-V04
10°	E1	G0	S0	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E1-G0-S0-V04
10°	E1	G0	S1	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E1-G0-S1-V04
10°	E1	G1	S0	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E1-G1-S0-V04
10°	E1	G1	S1	260	42	39.2	52	41.6	28	260	195	35	SN5650-PMO-0090-10-E1-G1-S1-V04
15°	E0	G0	S0	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E0-G0-S0-V04
15°	E0	G0	S1	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E0-G0-S1-V04
15°	E0	G1	S0	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E0-G1-S0-V04
15°	E0	G1	S1	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E0-G1-S1-V04
15°	E1	G0	S0	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E1-G0-S0-V04
15°	E1	G0	S1	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E1-G0-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S0	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E1-G1-S0-V04
15°	E1	G1	S1	260	40	41.2	52	44.1	28	260	195	35	SN5650-PMO-0090-15-E1-G1-S1-V04
20°	E0	G0	S0	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E0-G0-S0-V04
20°	E0	G0	S1	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E0-G0-S1-V04
20°	E0	G1	S0	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E0-G1-S0-V04
20°	E0	G1	S1	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E0-G1-S1-V04
20°	E1	G0	S0	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E1-G0-S0-V04
20°	E1	G0	S1	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E1-G0-S1-V04
20°	E1	G1	S0	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E1-G1-S0-V04
20°	E1	G1	S1	260	37	44.2	52	46.4	27	260	165	35	SN5650-PMO-0090-20-E1-G1-S1-V04
25°	E0	G0	S0	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E0-G0-S0-V04
25°	E0	G0	S1	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E0-G0-S1-V04
25°	E0	G1	S0	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E0-G1-S0-V04
25°	E0	G1	S1	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E0-G1-S1-V04
25°	E1	G0	S0	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E1-G0-S0-V04
25°	E1	G0	S1	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E1-G0-S1-V04
25°	E1	G1	S0	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E1-G1-S0-V04
25°	E1	G1	S1	260	35	47	52	49.7	32	260	165	35	SN5650-PMO-0090-25-E1-G1-S1-V04
30°	E0	G0	S0	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E0-G0-S0-V04
30°	E0	G0	S1	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E0-G0-S1-V04
30°	E0	G1	S0	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E0-G1-S0-V04
30°	E0	G1	S1	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E0-G1-S1-V04
30°	E1	G0	S0	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E1-G0-S0-V04
30°	E1	G0	S1	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E1-G0-S1-V04
30°	E1	G1	S0	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E1-G1-S0-V04
30°	E1	G1	S1	265	32	50.9	52	53	37	265	150	30	SN5650-PMO-0090-30-E1-G1-S1-V04
35°	E0	G0	S0	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E0-G0-S0-V04
35°	E0	G0	S1	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E0-G0-S1-V04
35°	E0	G1	S0	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E0-G1-S0-V04
35°	E0	G1	S1	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E0-G1-S1-V04
35°	E1	G0	S0	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E1-G0-S0-V04
35°	E1	G0	S1	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E1-G0-S1-V04
35°	E1	G1	S0	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E1-G1-S0-V04
35°	E1	G1	S1	265	30	49.7	47	52	37	265	150	30	SN5650-PMO-0090-35-E1-G1-S1-V04
40°	E0	G0	S0	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E0-G0-S0-V04
40°	E0	G0	S1	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E0-G0-S1-V04
40°	E0	G1	S0	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E0-G1-S0-V04
40°	E0	G1	S1	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E0-G1-S1-V04
40°	E1	G0	S0	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E1-G0-S0-V04
40°	E1	G0	S1	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E1-G0-S1-V04
40°	E1	G1	S0	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E1-G1-S0-V04
40°	E1	G1	S1	265	27	54.7	47	56.5	37	265	145	15	SN5650-PMO-0090-40-E1-G1-S1-V04
45°	E0	G0	S0	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E0-G0-S0-V04
45°	E0	G0	S1	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E0-G0-S1-V04
45°	E0	G1	S0	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E0-G1-S0-V04
45°	E0	G1	S1	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E0-G1-S1-V04
45°	E1	G0	S0	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E1-G0-S0-V04
45°	E1	G0	S1	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E1-G0-S1-V04
45°	E1	G1	S0	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E1-G1-S0-V04
45°	E1	G1	S1	265	25	60.2	47	62.5	37	265	145	15	SN5650-PMO-0090-45-E1-G1-S1-V04
50°	E0	G0	S0	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E0-G0-S0-V04
50°	E0	G0	S1	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E0-G0-S1-V04
50°	E0	G1	S0	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E0-G1-S0-V04
50°	E0	G1	S1	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E0-G1-S1-V04
50°	E1	G0	S0	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E1-G0-S0-V04

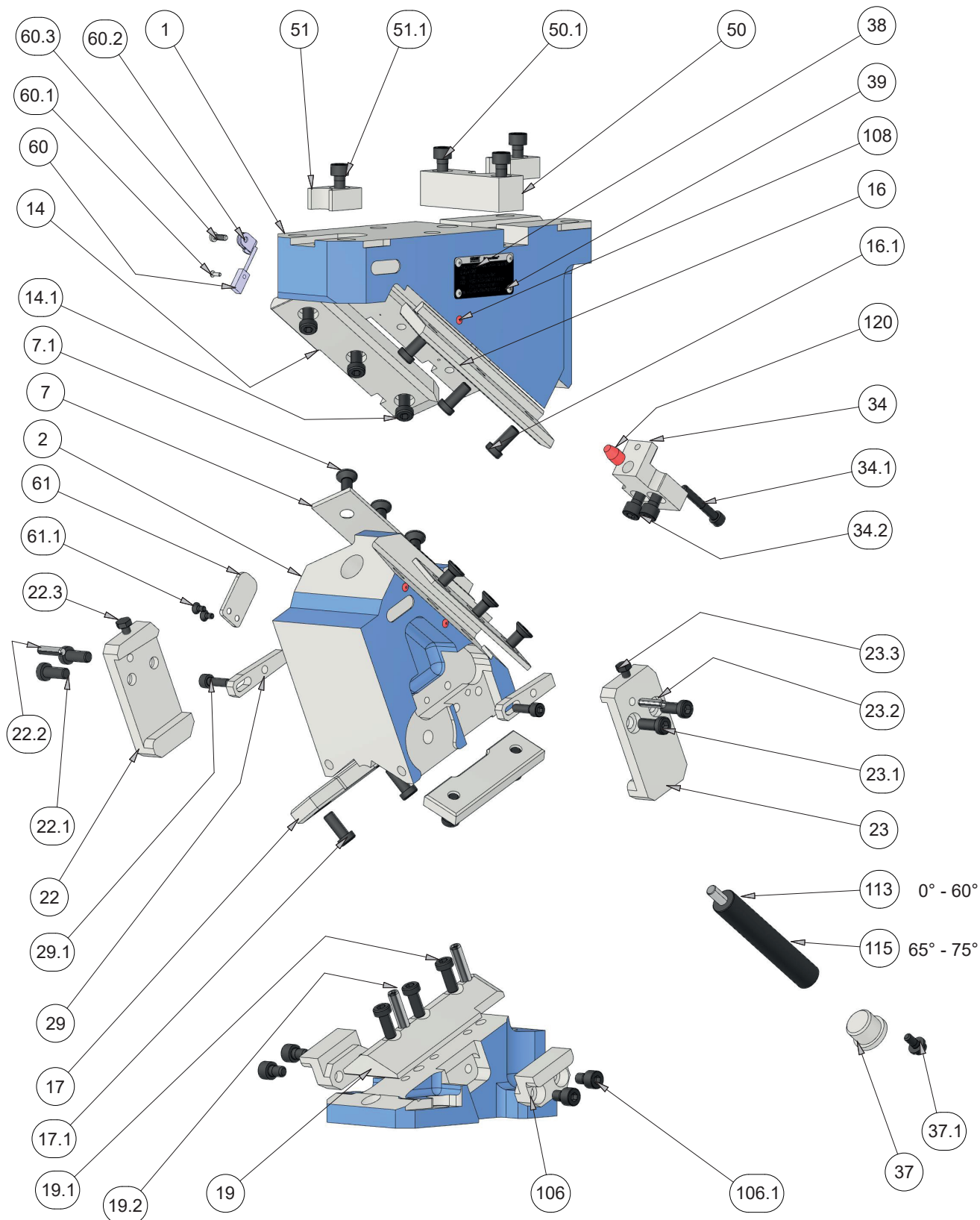


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G0	S1	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E1-G0-S1-V04
50°	E1	G1	S0	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E1-G1-S0-V04
50°	E1	G1	S1	270	22	67.8	47	69.5	47	270	135	10	SN5650-PMO-0090-50-E1-G1-S1-V04
55°	E0	G0	S0	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E0-G0-S0-V04
55°	E0	G0	S1	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E0-G0-S1-V04
55°	E0	G1	S0	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E0-G1-S0-V04
55°	E0	G1	S1	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E0-G1-S1-V04
55°	E1	G0	S0	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E1-G0-S0-V04
55°	E1	G0	S1	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E1-G0-S1-V04
55°	E1	G1	S0	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E1-G1-S0-V04
55°	E1	G1	S1	270	20	68.8	42	70.7	47	270	135	10	SN5650-PMO-0090-55-E1-G1-S1-V04
60°	E0	G0	S0	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E0-G0-S0-V04
60°	E0	G0	S1	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E0-G0-S1-V04
60°	E0	G1	S0	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E0-G1-S0-V04
60°	E0	G1	S1	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E0-G1-S1-V04
60°	E1	G0	S0	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E1-G0-S0-V04
60°	E1	G0	S1	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E1-G0-S1-V04
60°	E1	G1	S0	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E1-G1-S0-V04
60°	E1	G1	S1	275	17	70.8	37	72.1	32	275	115	15	SN5650-PMO-0090-60-E1-G1-S1-V04
65°	E0	G0	S0	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E0-G0-S0-V04
65°	E0	G0	S1	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E0-G0-S1-V04
65°	E0	G1	S0	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E0-G1-S0-V04
65°	E0	G1	S1	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E0-G1-S1-V04
65°	E1	G0	S0	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E1-G0-S0-V04
65°	E1	G0	S1	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E1-G0-S1-V04
65°	E1	G1	S0	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E1-G1-S0-V04
65°	E1	G1	S1	275	15	73.1	32	74.6	32	275	115	15	SN5650-PMO-0090-65-E1-G1-S1-V04
70°	E0	G0	S0	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E0-G0-S0-V04
70°	E0	G0	S1	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E0-G0-S1-V04
70°	E0	G1	S0	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E0-G1-S0-V04
70°	E0	G1	S1	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E0-G1-S1-V04
70°	E1	G0	S0	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E1-G0-S0-V04
70°	E1	G0	S1	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E1-G0-S1-V04
70°	E1	G1	S0	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E1-G1-S0-V04
70°	E1	G1	S1	275	12	77.2	27	78.2	32	270	110	5	SN5650-PMO-0090-70-E1-G1-S1-V04
75°	E0	G0	S0	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E0-G0-S0-V04
75°	E0	G0	S1	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E0-G0-S1-V04
75°	E0	G1	S0	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E0-G1-S0-V04
75°	E0	G1	S1	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E0-G1-S1-V04
75°	E1	G0	S0	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E1-G0-S0-V04
75°	E1	G0	S1	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E1-G0-S1-V04
75°	E1	G1	S0	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E1-G1-S0-V04
75°	E1	G1	S1	275	10	83.7	22	84.7	32	270	110	5	SN5650-PMO-0090-75-E1-G1-S1-V04

SN5650-PMO-0090-

Bauteile

Components

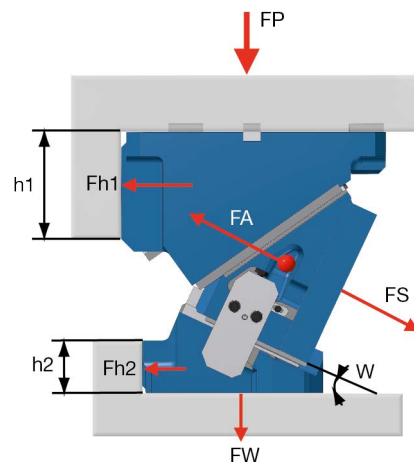


SN5650-PMO-0090-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	190	178	190	178	0	143	30	22
05°	198	186	182	169	14	136	33	24
10°	205	194	174	159	28	128	35	26
15°	212	202	165	146	38	124	48	24
20°	218	209	156	134	49	120	60	22
25°	234	224	152	125	58	115	65	24
30°	249	240	149	116	67	110	70	26
35°	255	246	138	100	69	102	75	26
40°	260	252	128	85	72	94	80	26
45°	264	257	116	71	69	84	80	26
50°	268	262	105	57	67	75	79	26
55°	277	272	95	45	63	70	92	27
60°	286	281	85	33	58	65	105	27
65°	289	284	75	22	47	60	105	28
70°	296	292	64	15	37	53	108	28
75°	303	300	52	7	27	45	110	28



W = Schieberwinkel
 FP = P-Presse
 FW = W-Werkzeug
 FS = S-Schieberkraft
 FA = A-Abstreifkraft
 Fh1 = h1-Abschulterung oben
 Fh2 = h2-Abschulterung unten

W = Cam Angle
 FP = P-Press
 FW = W-Tool
 FS = S-Cam Force
 FA = A-Retractility
 Fh1 = h1-Shouldering above
 Fh2 = h2-Shouldering below

SN5650-PMO-0090-

Schieberkräfte

Cam Force

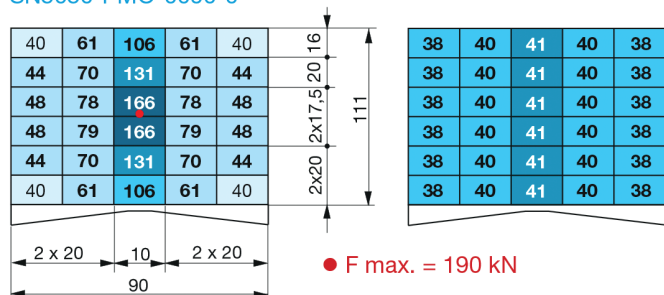
Abschulterung

Shouldering

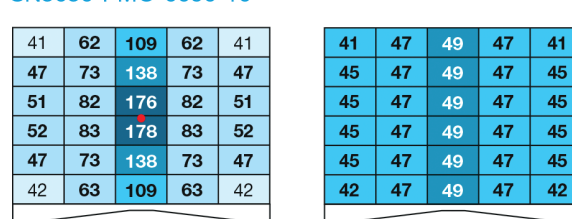
Passfeder

Fitting Key

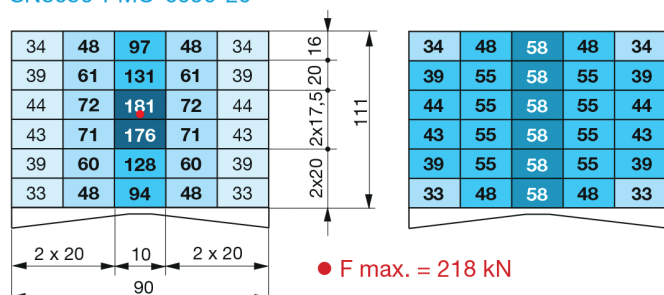
SN5650-PMO-0090-0°



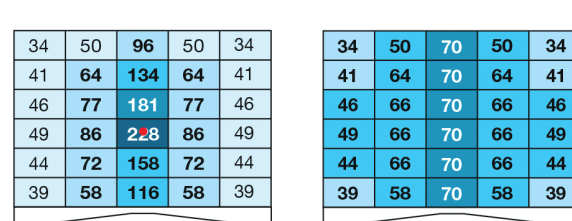
SN5650-PMO-0090-10°



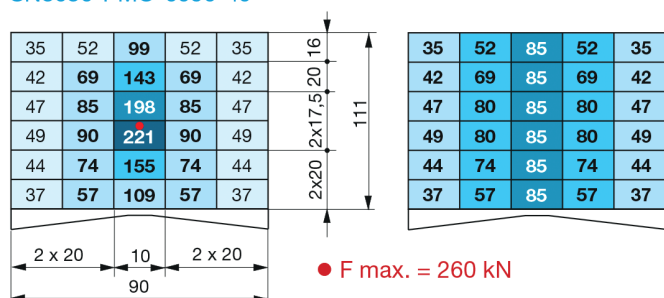
SN5650-PMO-0090-20°



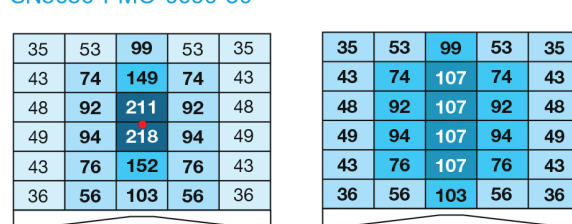
SN5650-PMO-0090-30°



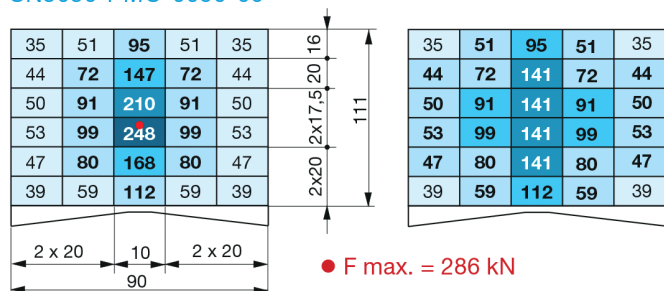
SN5650-PMO-0090-40°



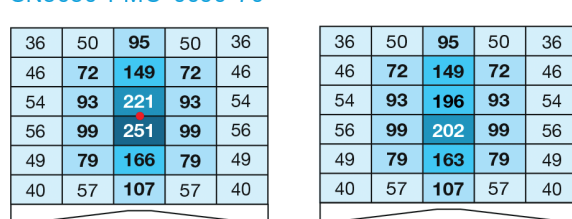
SN5650-PMO-0090-50°

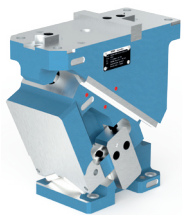


SN5650-PMO-0090-60°



SN5650-PMO-0090-70°



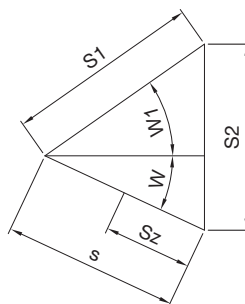
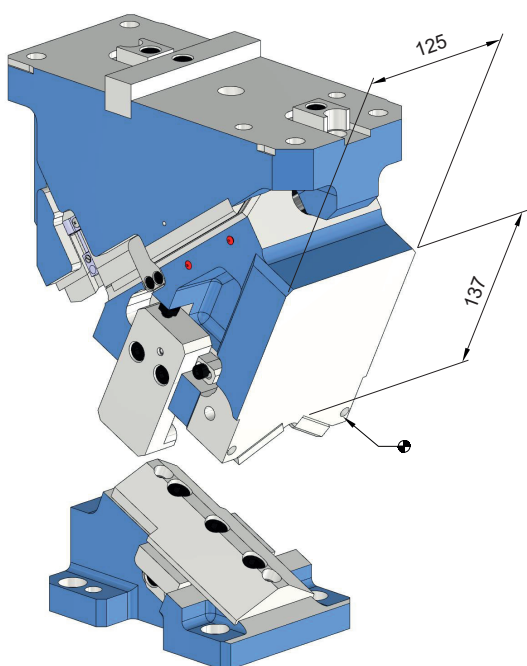
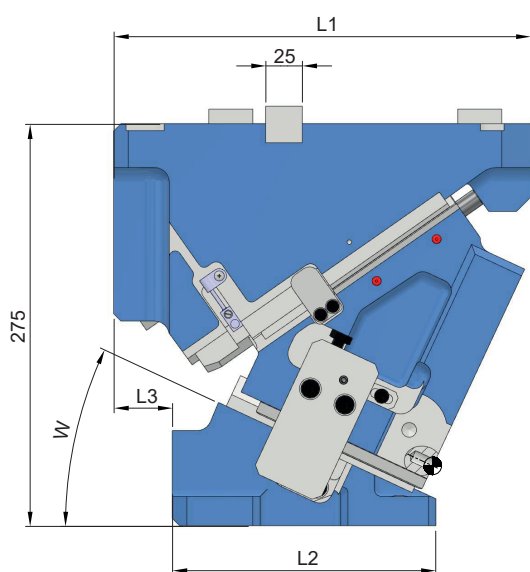


SN5650-PMO-0125-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	125 x 137 mm
Schieberbreite max.	Cam unit width max.	125 mm
Einbauhöhe	Installation height	275 mm
Schieberkraft	Cam force	> 271 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

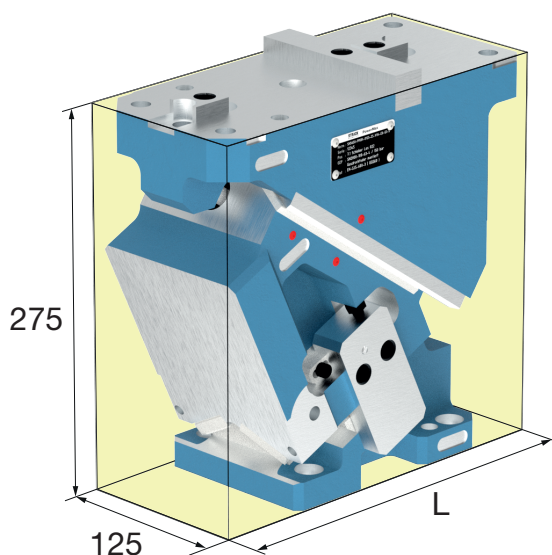
Sz = Eingriffs-länge Aktivrückzug

Sz = Engagement length of activ return

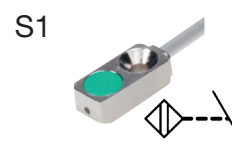
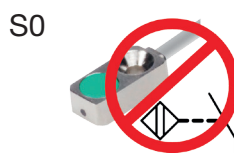
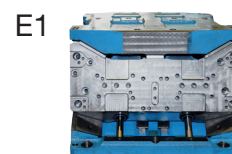
SN5650-PMO-0125-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

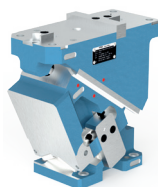
G = Gasdruckfeder

Gas spring

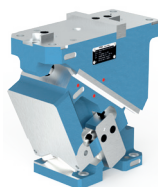
SE = Sensor

Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E0-G0-S0-V04
0°	E0	G0	S1	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E0-G0-S1-V04
0°	E0	G1	S0	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E0-G1-S0-V04
0°	E0	G1	S1	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E0-G1-S1-V04
0°	E1	G0	S0	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E1-G0-S0-V04
0°	E1	G0	S1	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E1-G0-S1-V04
0°	E1	G1	S0	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E1-G1-S0-V04
0°	E1	G1	S1	285	47	35.5	52	38	16	285	230	50	SN5650-PMO-0125-00-E1-G1-S1-V04
5°	E0	G0	S0	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E0-G0-S0-V04
5°	E0	G0	S1	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E0-G0-S1-V04
5°	E0	G1	S0	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E0-G1-S0-V04
5°	E0	G1	S1	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E0-G1-S1-V04
5°	E1	G0	S0	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E1-G0-S0-V04
5°	E1	G0	S1	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E1-G0-S1-V04
5°	E1	G1	S0	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E1-G1-S0-V04
5°	E1	G1	S1	285	45	36.9	52	40	21	285	230	50	SN5650-PMO-0125-05-E1-G1-S1-V04
10°	E0	G0	S0	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E0-G0-S0-V04
10°	E0	G0	S1	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E0-G0-S1-V04
10°	E0	G1	S0	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E0-G1-S0-V04
10°	E0	G1	S1	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E0-G1-S1-V04
10°	E1	G0	S0	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E1-G0-S0-V04
10°	E1	G0	S1	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E1-G0-S1-V04
10°	E1	G1	S0	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E1-G1-S0-V04
10°	E1	G1	S1	295	42	39.2	52	41.6	22	295	220	40	SN5650-PMO-0125-10-E1-G1-S1-V04
15°	E0	G0	S0	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E0-G0-S0-V04
15°	E0	G0	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E0-G0-S1-V04
15°	E0	G1	S0	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E0-G1-S0-V04
15°	E0	G1	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E0-G1-S1-V04
15°	E1	G0	S0	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G0-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G0	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G0-S1-V04
15°	E1	G1	S0	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G1-S0-V04
15°	E1	G1	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G1-S1-V04
20°	E0	G0	S0	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E0-G0-S0-V04
20°	E0	G0	S1	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E0-G0-S1-V04
20°	E0	G1	S0	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E0-G1-S0-V04
20°	E0	G1	S1	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E0-G1-S1-V04
20°	E1	G0	S0	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E1-G0-S0-V04
20°	E1	G0	S1	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E1-G0-S1-V04
20°	E1	G1	S0	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E1-G1-S0-V04
20°	E1	G1	S1	285	37	44.2	52	46.4	27	285	180	40	SN5650-PMO-0125-20-E1-G1-S1-V04
25°	E0	G0	S0	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E0-G0-S0-V04
25°	E0	G0	S1	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E0-G0-S1-V04
25°	E0	G1	S0	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E0-G1-S0-V04
25°	E0	G1	S1	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E0-G1-S1-V04
25°	E1	G0	S0	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E1-G0-S0-V04
25°	E1	G0	S1	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E1-G0-S1-V04
25°	E1	G1	S0	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E1-G1-S0-V04
25°	E1	G1	S1	285	35	47	52	49.7	32	285	180	40	SN5650-PMO-0125-25-E1-G1-S1-V04
30°	E0	G0	S0	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E0-G0-S0-V04
30°	E0	G0	S1	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E0-G0-S1-V04
30°	E0	G1	S0	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E0-G1-S0-V04
30°	E0	G1	S1	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E0-G1-S1-V04
30°	E1	G0	S0	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E1-G0-S0-V04
30°	E1	G0	S1	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E1-G0-S1-V04
30°	E1	G1	S0	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E1-G1-S0-V04
30°	E1	G1	S1	300	32	50.9	52	53	37	300	162	45	SN5650-PMO-0125-30-E1-G1-S1-V04
35°	E0	G0	S0	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E0-G0-S0-V04
35°	E0	G0	S1	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E0-G0-S1-V04
35°	E0	G1	S0	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E0-G1-S0-V04
35°	E0	G1	S1	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E0-G1-S1-V04
35°	E1	G0	S0	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E1-G0-S0-V04
35°	E1	G0	S1	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E1-G0-S1-V04
35°	E1	G1	S0	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E1-G1-S0-V04
35°	E1	G1	S1	300	30	55	52	57.5	37	300	162	45	SN5650-PMO-0125-35-E1-G1-S1-V04
40°	E0	G0	S0	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E0-G0-S0-V04
40°	E0	G0	S1	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E0-G0-S1-V04
40°	E0	G1	S0	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E0-G1-S0-V04
40°	E0	G1	S1	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E0-G1-S1-V04
40°	E1	G0	S0	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E1-G0-S0-V04
40°	E1	G0	S1	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E1-G0-S1-V04
40°	E1	G1	S0	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E1-G1-S0-V04
40°	E1	G1	S1	305	27	54.7	47	56.5	37	305	152	30	SN5650-PMO-0125-40-E1-G1-S1-V04
45°	E0	G0	S0	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E0-G0-S0-V04
45°	E0	G0	S1	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E0-G0-S1-V04
45°	E0	G1	S0	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E0-G1-S0-V04
45°	E0	G1	S1	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E0-G1-S1-V04
45°	E1	G0	S0	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E1-G0-S0-V04
45°	E1	G0	S1	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E1-G0-S1-V04
45°	E1	G1	S0	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E1-G1-S0-V04
45°	E1	G1	S1	305	25	60.2	47	62.5	42	305	152	30	SN5650-PMO-0125-45-E1-G1-S1-V04
50°	E0	G0	S0	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E0-G0-S0-V04
50°	E0	G0	S1	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E0-G0-S1-V04
50°	E0	G1	S0	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E0-G1-S0-V04
50°	E0	G1	S1	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E0-G1-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G0	S0	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E1-G0-S0-V04
50°	E1	G0	S1	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E1-G0-S1-V04
50°	E1	G1	S0	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E1-G1-S0-V04
50°	E1	G1	S1	305	22	67.8	47	69.5	47	305	140	20	SN5650-PMO-0125-50-E1-G1-S1-V04
55°	E0	G0	S0	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E0-G0-S0-V04
55°	E0	G0	S1	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E0-G0-S1-V04
55°	E0	G1	S0	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E0-G1-S0-V04
55°	E0	G1	S1	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E0-G1-S1-V04
55°	E1	G0	S0	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E1-G0-S0-V04
55°	E1	G0	S1	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E1-G0-S1-V04
55°	E1	G1	S0	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E1-G1-S0-V04
55°	E1	G1	S1	305	20	68.8	42	70.7	47	305	140	20	SN5650-PMO-0125-55-E1-G1-S1-V04
60°	E0	G0	S0	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E0-G0-S0-V04
60°	E0	G0	S1	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E0-G0-S1-V04
60°	E0	G1	S0	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E0-G1-S0-V04
60°	E0	G1	S1	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E0-G1-S1-V04
60°	E1	G0	S0	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E1-G0-S0-V04
60°	E1	G0	S1	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E1-G0-S1-V04
60°	E1	G1	S0	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E1-G1-S0-V04
60°	E1	G1	S1	315	17	70.8	37	72.1	27	315	128	20	SN5650-PMO-0125-60-E1-G1-S1-V04
65°	E0	G0	S0	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E0-G0-S0-V04
65°	E0	G0	S1	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E0-G0-S1-V04
65°	E0	G1	S0	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E0-G1-S0-V04
65°	E0	G1	S1	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E0-G1-S1-V04
65°	E1	G0	S0	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E1-G0-S0-V04
65°	E1	G0	S1	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E1-G0-S1-V04
65°	E1	G1	S0	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E1-G1-S0-V04
65°	E1	G1	S1	315	15	73.1	32	74.6	27	315	128	20	SN5650-PMO-0125-65-E1-G1-S1-V04
70°	E0	G0	S0	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E0-G0-S0-V04
70°	E0	G0	S1	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E0-G0-S1-V04
70°	E0	G1	S0	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E0-G1-S0-V04
70°	E0	G1	S1	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E0-G1-S1-V04
70°	E1	G0	S0	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E1-G0-S0-V04
70°	E1	G0	S1	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E1-G0-S1-V04
70°	E1	G1	S0	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E1-G1-S0-V04
70°	E1	G1	S1	325	12	77.2	27	78.2	47	325	118	15	SN5650-PMO-0125-70-E1-G1-S1-V04
75°	E0	G0	S0	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E0-G0-S0-V04
75°	E0	G0	S1	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E0-G0-S1-V04
75°	E0	G1	S0	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E0-G1-S0-V04
75°	E0	G1	S1	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E0-G1-S1-V04
75°	E1	G0	S0	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E1-G0-S0-V04
75°	E1	G0	S1	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E1-G0-S1-V04
75°	E1	G1	S0	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E1-G1-S0-V04
75°	E1	G1	S1	325	10	83.7	22	84.7	47	325	118	15	SN5650-PMO-0125-75-E1-G1-S1-V04

Bauteile
Components



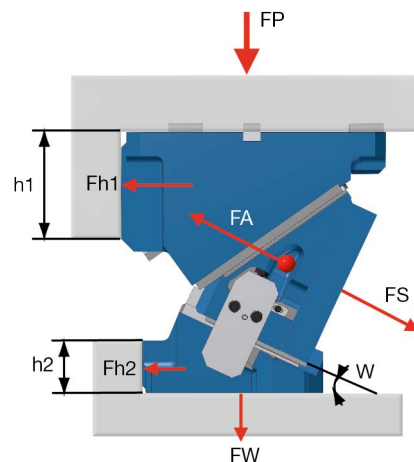
Sparepart lists under www.strack.de

SN5650-PMO-0125-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	271	255	271	255	0	165	35	28
05°	282	267	259	241	20	158	45	28
10°	292	278	248	227	40	150	55	27
15°	302	288	235	210	55	140	60	27
20°	311	298	222	192	70	130	65	26
25°	330	317	215	177	82	123	64	27
30°	348	336	208	162	93	115	62	28
35°	356	344	193	141	97	108	73	30
40°	363	353	178	119	100	100	84	31
45°	369	360	162	99	97	91	93	31
50°	375	367	146	79	95	82	103	31
55°	386	378	132	63	87	76	115	31
60°	396	389	118	46	80	70	127	30
65°	400	393	104	30	65	70	125	30
70°	409	403	88	20	51	64	127	30
75°	417	413	72	10	37	58	130	30



W = Schieberwinkel

FP = P-Presse

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0125-

Schieberkräfte

Cam Force

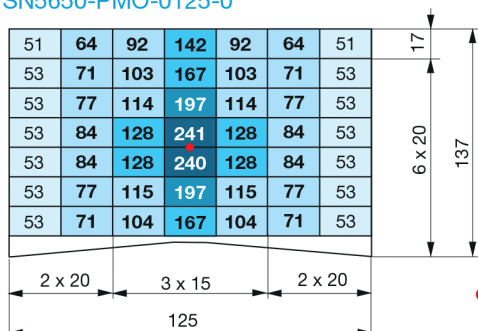
Abschulterung

Shouldering

Passfeder

Fitting Key

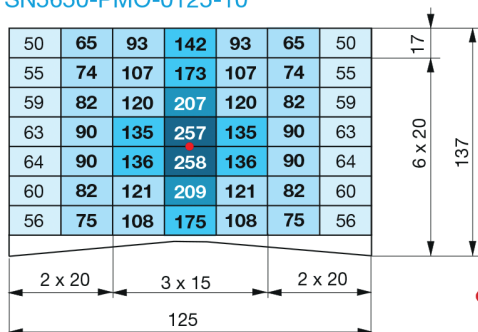
SN5650-PMO-0125-0°



● F max. = 271 kN

51	57	61	61	61	57	51
53	57	61	65	61	57	53
53	57	61	65	61	57	53
53	57	61	65	61	57	53
53	57	61	65	61	57	53
53	57	61	65	61	57	53
53	57	61	65	61	57	53

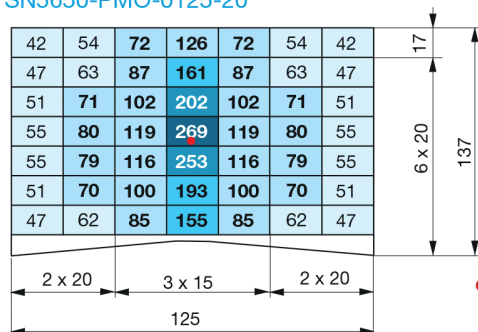
SN5650-PMO-0125-10°



● F max. = 292 kN

50	65	72	72	72	65	50
55	68	72	77	72	68	55
59	68	72	77	72	68	59
62	68	72	77	72	68	62
62	68	72	77	72	68	62
60	68	72	77	72	68	60
56	68	72	77	72	68	56

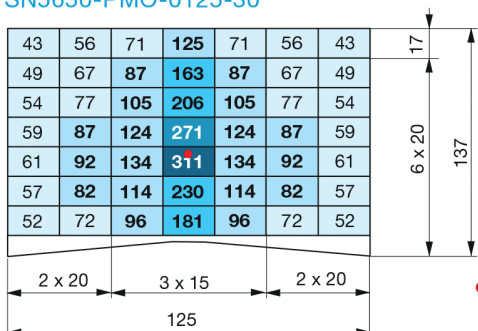
SN5650-PMO-0125-20°



● F max. = 311 kN

42	54	72	72	72	54	42
47	63	83	91	83	63	47
51	71	83	91	83	71	51
55	75	83	91	83	75	55
55	75	83	91	83	75	55
51	70	83	91	83	70	51
47	62	83	91	83	62	47

SN5650-PMO-0125-30°



● F max. = 348 kN

43	56	71	110	71	56	43
49	67	87	110	87	67	49
54	77	100	110	100	77	54
59	87	100	110	100	87	59
61	90	100	110	100	90	61
57	82	100	110	100	82	57
52	72	96	110	96	72	52

SN5650-PMO-0125-

Schieberkräfte

Cam Force

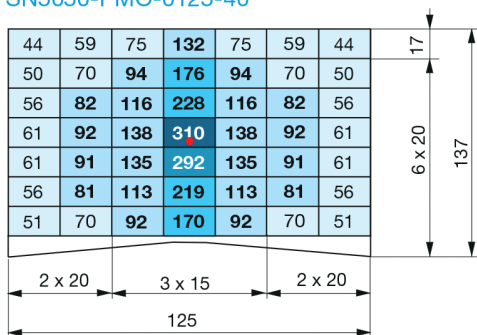
Abschulterung

Shouldering

Passfeder

Fitting Key

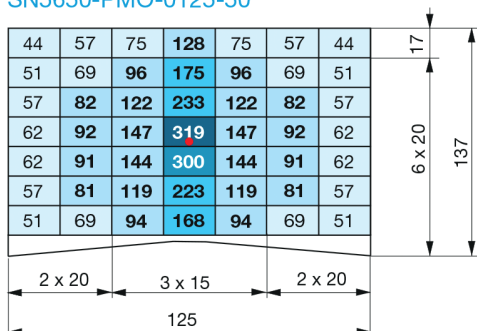
SN5650-PMO-0125-40°



● F max. = 363 kN

44	59	75	132	75	59	44
50	70	94	134	94	70	50
56	82	116	134	116	82	56
61	92	122	134	122	92	61
61	91	122	134	122	91	61
56	81	113	134	113	81	56
51	70	92	134	92	70	51

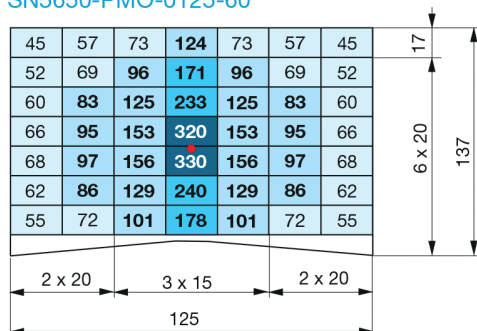
SN5650-PMO-0125-50°



● F max. = 375 kN

44	57	75	128	75	57	44
51	69	96	169	96	69	51
57	82	122	169	122	82	57
62	92	147	169	147	92	62
62	91	144	169	144	91	62
57	81	119	169	119	81	57
51	69	94	168	94	69	51

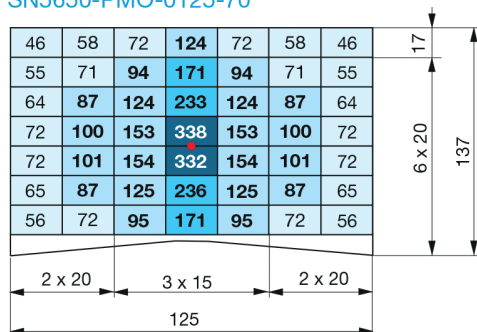
SN5650-PMO-0125-60°



● F max. = 396 kN

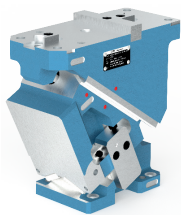
45	57	73	124	73	57	45
52	69	96	171	96	69	52
60	83	125	222	125	83	60
66	95	153	222	153	95	66
68	97	156	222	156	97	68
62	86	129	222	129	86	62
55	72	101	178	101	72	55

SN5650-PMO-0125-70°



● F max. = 409 kN

47	58	72	124	72	58	47
55	71	94	171	94	71	55
64	87	124	233	124	87	64
72	100	153	303	153	100	72
72	101	154	292	154	101	72
65	87	125	236	125	87	65
56	72	95	171	95	72	56

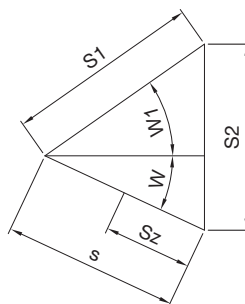
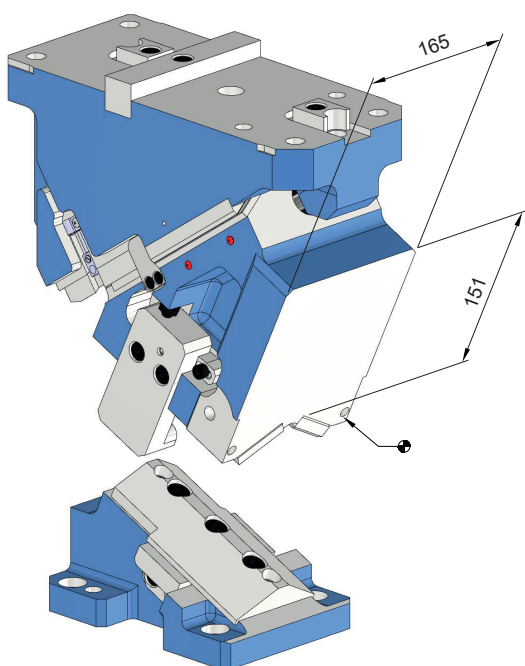
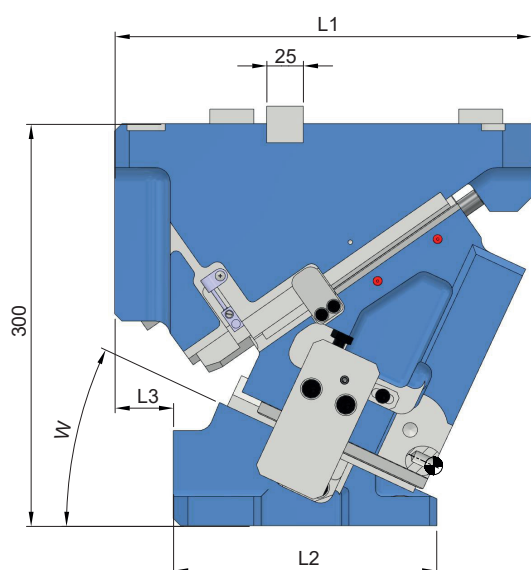


SN5650-PMO-0165-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	165 x 151 mm
Schieberbreite max.	Cam unit width max.	165 mm
Einbauhöhe	Installation height	300 mm
Schieberkraft	Cam force	> 411 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle:
Control of position:



Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

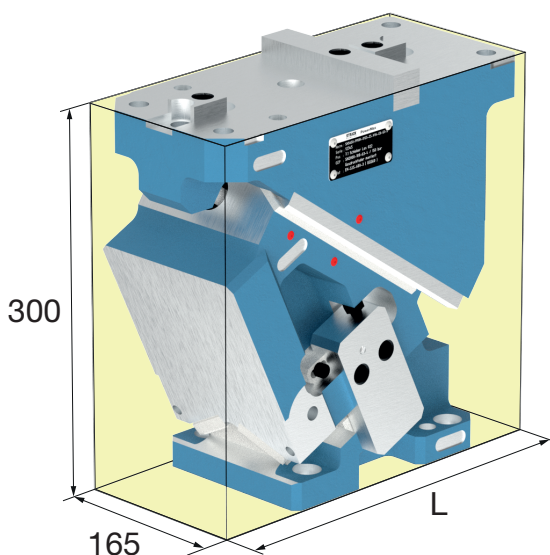
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

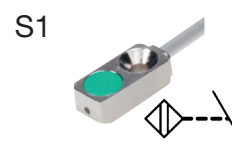
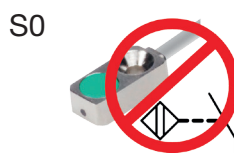
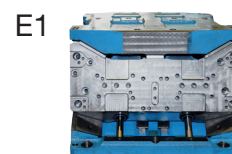
SN5650-PMO-0165-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

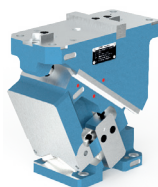
G = Gasdruckfeder

Gas spring

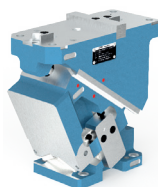
SE = Sensor

Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E0-G0-S0-V04
0°	E0	G0	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E0-G0-S1-V04
0°	E0	G1	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E0-G1-S0-V04
0°	E0	G1	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E0-G1-S1-V04
0°	E1	G0	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E1-G0-S0-V04
0°	E1	G0	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E1-G0-S1-V04
0°	E1	G1	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E1-G1-S0-V04
0°	E1	G1	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0165-00-E1-G1-S1-V04
5°	E0	G0	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E0-G0-S0-V04
5°	E0	G0	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E0-G0-S1-V04
5°	E0	G1	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E0-G1-S0-V04
5°	E0	G1	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E0-G1-S1-V04
5°	E1	G0	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E1-G0-S0-V04
5°	E1	G0	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E1-G0-S1-V04
5°	E1	G1	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E1-G1-S0-V04
5°	E1	G1	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0165-05-E1-G1-S1-V04
10°	E0	G0	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E0-G0-S0-V04
10°	E0	G0	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E0-G0-S1-V04
10°	E0	G1	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E0-G1-S0-V04
10°	E0	G1	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E0-G1-S1-V04
10°	E1	G0	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E1-G0-S0-V04
10°	E1	G0	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E1-G0-S1-V04
10°	E1	G1	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E1-G1-S0-V04
10°	E1	G1	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0165-10-E1-G1-S1-V04
15°	E0	G0	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E0-G0-S0-V04
15°	E0	G0	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E0-G0-S1-V04
15°	E0	G1	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E0-G1-S0-V04
15°	E0	G1	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E0-G1-S1-V04
15°	E1	G0	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E1-G0-S0-V04
15°	E1	G0	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E1-G0-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E1-G1-S0-V04
15°	E1	G1	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0165-15-E1-G1-S1-V04
20°	E0	G0	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E0-G0-S0-V04
20°	E0	G0	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E0-G0-S1-V04
20°	E0	G1	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E0-G1-S0-V04
20°	E0	G1	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E0-G1-S1-V04
20°	E1	G0	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E1-G0-S0-V04
20°	E1	G0	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E1-G0-S1-V04
20°	E1	G1	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E1-G1-S0-V04
20°	E1	G1	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0165-20-E1-G1-S1-V04
25°	E0	G0	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E0-G0-S0-V04
25°	E0	G0	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E0-G0-S1-V04
25°	E0	G1	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E0-G1-S0-V04
25°	E0	G1	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E0-G1-S1-V04
25°	E1	G0	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E1-G0-S0-V04
25°	E1	G0	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E1-G0-S1-V04
25°	E1	G1	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E1-G1-S0-V04
25°	E1	G1	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0165-25-E1-G1-S1-V04
30°	E0	G0	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E0-G0-S0-V04
30°	E0	G0	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E0-G0-S1-V04
30°	E0	G1	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E0-G1-S0-V04
30°	E0	G1	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E0-G1-S1-V04
30°	E1	G0	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E1-G0-S0-V04
30°	E1	G0	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E1-G0-S1-V04
30°	E1	G1	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E1-G1-S0-V04
30°	E1	G1	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0165-30-E1-G1-S1-V04
35°	E0	G0	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E0-G0-S0-V04
35°	E0	G0	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E0-G0-S1-V04
35°	E0	G1	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E0-G1-S0-V04
35°	E0	G1	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E0-G1-S1-V04
35°	E1	G0	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E1-G0-S0-V04
35°	E1	G0	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E1-G0-S1-V04
35°	E1	G1	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E1-G1-S0-V04
35°	E1	G1	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0165-35-E1-G1-S1-V04
40°	E0	G0	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E0-G0-S0-V04
40°	E0	G0	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E0-G0-S1-V04
40°	E0	G1	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E0-G1-S0-V04
40°	E0	G1	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E0-G1-S1-V04
40°	E1	G0	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E1-G0-S0-V04
40°	E1	G0	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E1-G0-S1-V04
40°	E1	G1	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E1-G1-S0-V04
40°	E1	G1	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0165-40-E1-G1-S1-V04
45°	E0	G0	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E0-G0-S0-V04
45°	E0	G0	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E0-G0-S1-V04
45°	E0	G1	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E0-G1-S0-V04
45°	E0	G1	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E0-G1-S1-V04
45°	E1	G0	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E1-G0-S0-V04
45°	E1	G0	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E1-G0-S1-V04
45°	E1	G1	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E1-G1-S0-V04
45°	E1	G1	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0165-45-E1-G1-S1-V04
50°	E0	G0	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E0-G0-S0-V04
50°	E0	G0	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E0-G0-S1-V04
50°	E0	G1	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E0-G1-S0-V04
50°	E0	G1	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E0-G1-S1-V04
50°	E1	G0	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E1-G0-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G0	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E1-G0-S1-V04
50°	E1	G1	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E1-G1-S0-V04
50°	E1	G1	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0165-50-E1-G1-S1-V04
55°	E0	G0	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E0-G0-S0-V04
55°	E0	G0	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E0-G0-S1-V04
55°	E0	G1	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E0-G1-S0-V04
55°	E0	G1	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E0-G1-S1-V04
55°	E1	G0	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E1-G0-S0-V04
55°	E1	G0	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E1-G0-S1-V04
55°	E1	G1	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E1-G1-S0-V04
55°	E1	G1	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0165-55-E1-G1-S1-V04
60°	E0	G0	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E0-G0-S0-V04
60°	E0	G0	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E0-G0-S1-V04
60°	E0	G1	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E0-G1-S0-V04
60°	E0	G1	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E0-G1-S1-V04
60°	E1	G0	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E1-G0-S0-V04
60°	E1	G0	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E1-G0-S1-V04
60°	E1	G1	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E1-G1-S0-V04
60°	E1	G1	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0165-60-E1-G1-S1-V04
65°	E0	G0	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E0-G0-S0-V04
65°	E0	G0	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E0-G0-S1-V04
65°	E0	G1	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E0-G1-S0-V04
65°	E0	G1	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E0-G1-S1-V04
65°	E1	G0	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E1-G0-S0-V04
65°	E1	G0	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E1-G0-S1-V04
65°	E1	G1	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E1-G1-S0-V04
65°	E1	G1	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0165-65-E1-G1-S1-V04
70°	E0	G0	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E0-G0-S0-V04
70°	E0	G0	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E0-G0-S1-V04
70°	E0	G1	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E0-G1-S0-V04
70°	E0	G1	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E0-G1-S1-V04
70°	E1	G0	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E1-G0-S0-V04
70°	E1	G0	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E1-G0-S1-V04
70°	E1	G1	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E1-G1-S0-V04
70°	E1	G1	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0165-70-E1-G1-S1-V04
75°	E0	G0	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E0-G0-S0-V04
75°	E0	G0	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E0-G0-S1-V04
75°	E0	G1	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E0-G1-S0-V04
75°	E0	G1	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E0-G1-S1-V04
75°	E1	G0	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E1-G0-S0-V04
75°	E1	G0	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E1-G0-S1-V04
75°	E1	G1	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E1-G1-S0-V04
75°	E1	G1	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0165-75-E1-G1-S1-V04

Bauteile
Components



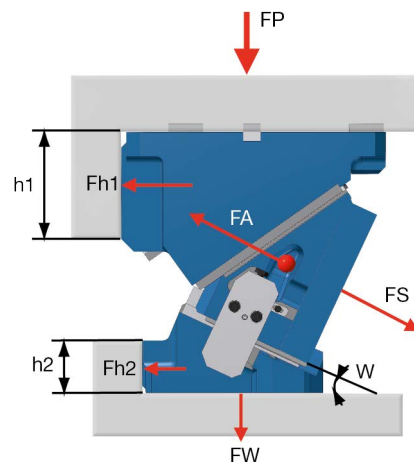
Sparepart lists under www.strack.de

SN5650-PMO-0165-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	411	386	411	386	0	160	40	41
05°	435	193	206	371	31	150	50	46
10°	459	435	389	356	63	140	60	51
15°	474	218	195	328	86	133	68	52
20°	489	468	350	301	109	125	75	54
25°	507	234	175	272	125	120	75	54
30°	525	506	314	243	140	115	75	55
35°	548	253	157	215	149	108	76	54
40°	571	554	281	187	157	100	76	53
45°	581	277	140	156	152	88	88	52
50°	590	576	231	124	148	75	99	53
55°	607	288	116	98	137	73	112	53
60°	623	612	186	73	126	70	125	53
65°	629	617	164	47	102	70	120	53
70°	651	309	82	31	80	65	128	53
75°	673	666	116	16	58	60	135	52



W = Schieberwinkel

FP = P-Presse

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0165-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-0165-0°

65	87	112	158	234	158	112	87	65
69	95	123	176	274	176	123	95	69
72	101	133	195	323	195	133	101	72
75	107	143	216	385	216	143	107	75
76	108	145	221	398	221	145	108	76
73	103	136	200	335	200	136	103	73
70	97	126	180	284	180	126	97	70
66	90	115	162	243	162	115	90	66

● F max. = 411 kN

53	53	61	66	72	66	61	53	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53

SN5650-PMO-0165-10°

63	85	113	161	238	161	113	85	63
67	94	127	184	288	184	127	94	67
71	100	139	206	343	206	139	100	71
74	106	151	229	414	229	151	106	74
74	107	152	233	424	233	152	107	74
71	101	142	210	354	210	142	101	71
68	95	130	188	296	188	130	95	68
64	87	116	166	247	166	116	87	64

● F max. = 459 kN

59	59	69	78	85	78	69	59	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59

SN5650-PMO-0165-20°

55	71	92	129	209	129	92	71	55
61	80	107	155	267	155	107	80	61
65	88	121	179	335	179	121	88	65
69	94	134	204	435	204	134	94	69
69	94	133	202	422	202	133	94	69
65	88	121	178	332	178	121	88	65
61	81	107	155	265	155	107	81	61
56	71	92	128	208	128	92	71	56

● F max. = 489 kN

55	55	71	87	98	87	71	55	55
61	75	87	97	109	97	87	75	61
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
61	75	87	97	109	97	87	75	61
56	71	87	98	109	98	87	71	56

SN5650-PMO-0165-30°

58	73	94	126	205	126	94	73	58
66	85	115	159	273	159	115	85	66
72	94	132	189	345	189	132	94	72
76	102	148	218	445	218	148	102	76
78	106	156	235	521	235	156	106	78
74	99	142	205	395	205	142	99	74
70	91	125	176	309	176	125	91	70
63	80	106	144	240	144	106	80	63

● F max. = 525 kN

58	58	73	94	117	94	73	58	58
66	85	103	116	131	116	103	85	66
72	87	103	116	131	116	103	87	72
74	87	103	116	131	116	103	87	74
74	87	103	116	131	116	103	87	74
74	87	103	116	131	116	103	87	74
70	87	103	116	131	116	103	87	70
63	80	103	117	131	117	103	80	63

SN5650-PMO-0165-

Schieberkräfte

Cam Force

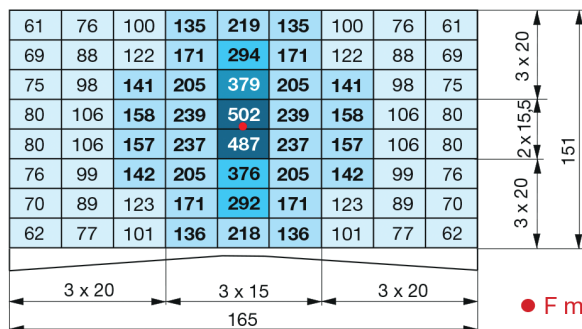
Abschulterung

Shouldering

Passfeder

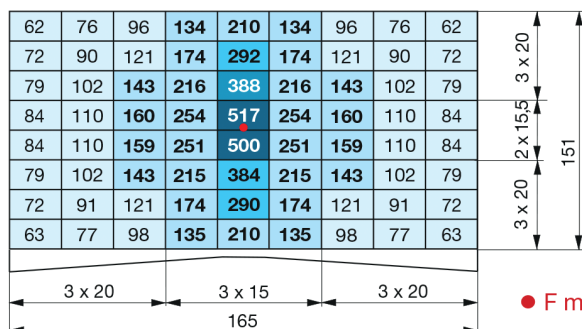
Fitting Key

SN5650-PMO-0165-40°



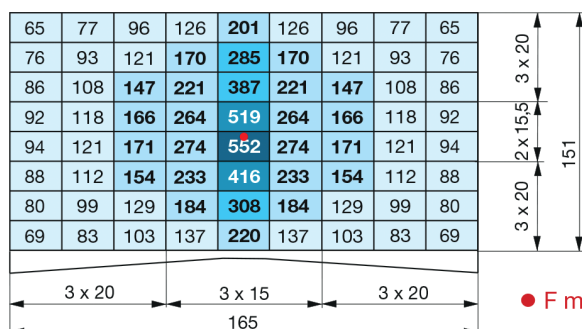
61	61	76	100	135	100	76	61	61
69	88	122	142	160	142	122	88	69
75	98	122	141	160	141	122	98	75
80	101	122	141	160	141	122	101	80
80	101	122	141	160	141	122	101	80
76	99	122	141	160	141	122	99	76
70	89	122	142	160	142	122	89	70
62	77	101	136	160	136	101	77	62

SN5650-PMO-0165-50°



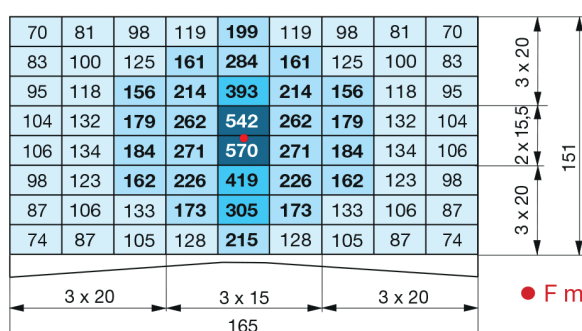
62	62	76	96	134	96	76	62	62
72	90	121	174	202	174	121	90	72
79	102	143	177	202	177	143	102	79
84	110	147	177	202	177	147	110	84
84	110	147	177	202	177	147	110	84
79	102	143	177	202	177	143	102	79
72	91	121	174	202	174	121	91	72
63	77	98	135	202	135	98	77	63

SN5650-PMO-0165-60°

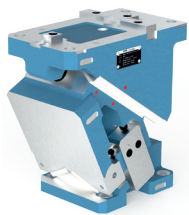


65	65	77	96	126	96	77	65	65
76	93	121	170	265	170	121	93	76
86	108	147	221	265	221	147	108	86
92	118	166	233	265	233	166	118	92
94	121	171	233	265	233	171	121	94
88	112	154	233	265	233	154	112	88
80	99	129	184	265	184	129	99	80
69	83	103	137	220	137	103	83	69

SN5650-PMO-0165-70°



70	70	81	98	119	98	81	70	70
83	100	125	161	284	161	125	100	83
95	118	156	214	353	214	156	118	95
104	132	179	262	381	262	179	132	104
106	134	184	269	381	269	184	134	106
98	123	162	226	364	226	162	123	98
87	106	133	173	305	173	133	106	87
74	87	105	128	215	128	105	87	74

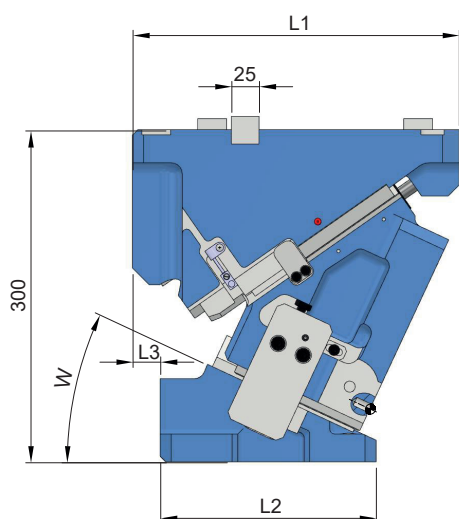


SN5650-PMO-0180-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	180 x 151 mm
Schieberbreite max.	Cam unit width max.	180 mm
Einbauhöhe	Installation height	300 mm
Schieberkraft	Cam force	> 411 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



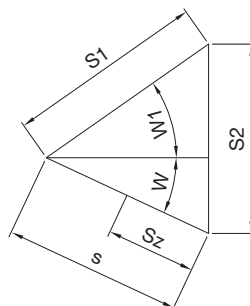
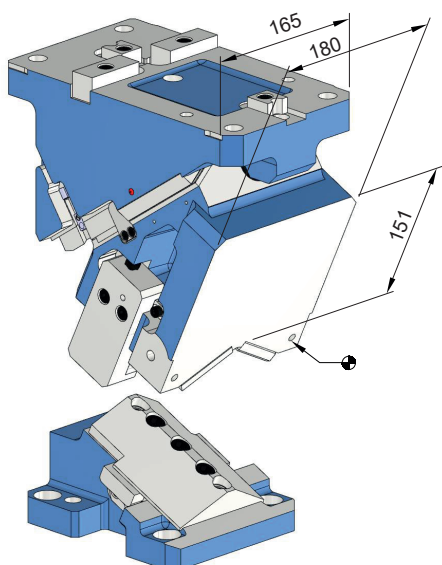
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



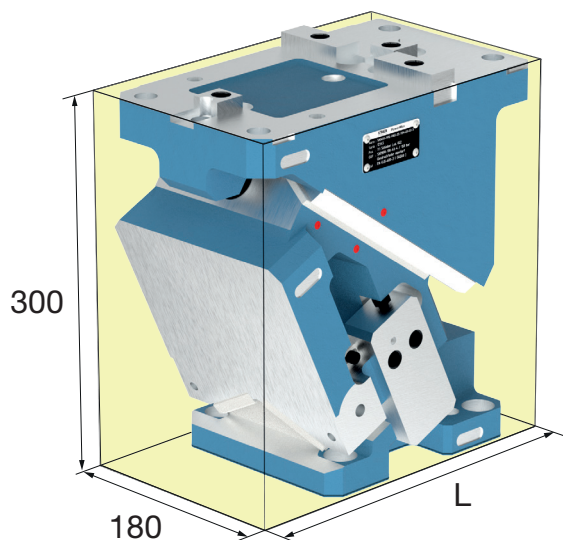
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

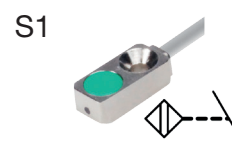
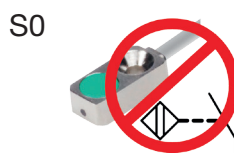
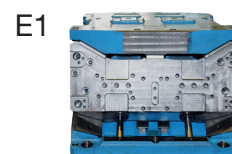
SN5650-PMO-0180-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel
Cam Angle

E = Einarbeitung
Machining

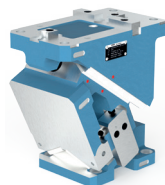
G = Gasdruckfeder
Gas spring

SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E0-G0-S0-V04
0°	E0	G0	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E0-G0-S1-V04
0°	E0	G1	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E0-G1-S0-V04
0°	E0	G1	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E0-G1-S1-V04
0°	E1	G0	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E1-G0-S0-V04
0°	E1	G0	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E1-G0-S1-V04
0°	E1	G1	S0	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E1-G1-S0-V04
0°	E1	G1	S1	280	47	35.5	52	38	16	280	235	40	SN5650-PMO-0180-00-E1-G1-S1-V04
5°	E0	G0	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E0-G0-S0-V04
5°	E0	G0	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E0-G0-S1-V04
5°	E0	G1	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E0-G1-S0-V04
5°	E0	G1	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E0-G1-S1-V04
5°	E1	G0	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E1-G0-S0-V04
5°	E1	G0	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E1-G0-S1-V04
5°	E1	G1	S0	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E1-G1-S0-V04
5°	E1	G1	S1	281	45	36.9	52	40	21	280	235	40	SN5650-PMO-0180-05-E1-G1-S1-V04
10°	E0	G0	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E0-G0-S0-V04
10°	E0	G0	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E0-G0-S1-V04
10°	E0	G1	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E0-G1-S0-V04
10°	E0	G1	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E0-G1-S1-V04
10°	E1	G0	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E1-G0-S0-V04
10°	E1	G0	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E1-G0-S1-V04
10°	E1	G1	S0	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E1-G1-S0-V04
10°	E1	G1	S1	287	42	39.2	52	41.6	22	285	240	15	SN5650-PMO-0180-10-E1-G1-S1-V04
15°	E0	G0	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E0-G0-S0-V04
15°	E0	G0	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E0-G0-S1-V04
15°	E0	G1	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E0-G1-S0-V04
15°	E0	G1	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E0-G1-S1-V04
15°	E1	G0	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E1-G0-S0-V04
15°	E1	G0	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E1-G0-S1-V04
15°	E1	G1	S0	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E1-G1-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S1	292	40	41.2	52	44.1	22	285	240	15	SN5650-PMO-0180-15-E1-G1-S1-V04
20°	E0	G0	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E0-G0-S0-V04
20°	E0	G0	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E0-G0-S1-V04
20°	E0	G1	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E0-G1-S0-V04
20°	E0	G1	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E0-G1-S1-V04
20°	E1	G0	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E1-G0-S0-V04
20°	E1	G0	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E1-G0-S1-V04
20°	E1	G1	S0	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E1-G1-S0-V04
20°	E1	G1	S1	295	37	44.2	52	46.4	27	295	195	25	SN5650-PMO-0180-20-E1-G1-S1-V04
25°	E0	G0	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E0-G0-S0-V04
25°	E0	G0	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E0-G0-S1-V04
25°	E0	G1	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E0-G1-S0-V04
25°	E0	G1	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E0-G1-S1-V04
25°	E1	G0	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E1-G0-S0-V04
25°	E1	G0	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E1-G0-S1-V04
25°	E1	G1	S0	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E1-G1-S0-V04
25°	E1	G1	S1	295	35	47	52	49.7	32	295	195	25	SN5650-PMO-0180-25-E1-G1-S1-V04
30°	E0	G0	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E0-G0-S0-V04
30°	E0	G0	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E0-G0-S1-V04
30°	E0	G1	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E0-G1-S0-V04
30°	E0	G1	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E0-G1-S1-V04
30°	E1	G0	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E1-G0-S0-V04
30°	E1	G0	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E1-G0-S1-V04
30°	E1	G1	S0	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E1-G1-S0-V04
30°	E1	G1	S1	310	32	50.9	52	53	37	310	170	30	SN5650-PMO-0180-30-E1-G1-S1-V04
35°	E0	G0	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E0-G0-S0-V04
35°	E0	G0	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E0-G0-S1-V04
35°	E0	G1	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E0-G1-S0-V04
35°	E0	G1	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E0-G1-S1-V04
35°	E1	G0	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E1-G0-S0-V04
35°	E1	G0	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E1-G0-S1-V04
35°	E1	G1	S0	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E1-G1-S0-V04
35°	E1	G1	S1	310	30	49.7	47	52	37	310	170	30	SN5650-PMO-0180-35-E1-G1-S1-V04
40°	E0	G0	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E0-G0-S0-V04
40°	E0	G0	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E0-G0-S1-V04
40°	E0	G1	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E0-G1-S0-V04
40°	E0	G1	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E0-G1-S1-V04
40°	E1	G0	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E1-G0-S0-V04
40°	E1	G0	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E1-G0-S1-V04
40°	E1	G1	S0	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E1-G1-S0-V04
40°	E1	G1	S1	315	27	54.7	47	56.5	37	315	162	15	SN5650-PMO-0180-40-E1-G1-S1-V04
45°	E0	G0	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E0-G0-S0-V04
45°	E0	G0	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E0-G0-S1-V04
45°	E0	G1	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E0-G1-S0-V04
45°	E0	G1	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E0-G1-S1-V04
45°	E1	G0	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E1-G0-S0-V04
45°	E1	G0	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E1-G0-S1-V04
45°	E1	G1	S0	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E1-G1-S0-V04
45°	E1	G1	S1	315	25	60.2	47	62.5	42	315	162	15	SN5650-PMO-0180-45-E1-G1-S1-V04
50°	E0	G0	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E0-G0-S0-V04
50°	E0	G0	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E0-G0-S1-V04
50°	E0	G1	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E0-G1-S0-V04
50°	E0	G1	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E0-G1-S1-V04
50°	E1	G0	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E1-G0-S0-V04
50°	E1	G0	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E1-G0-S1-V04

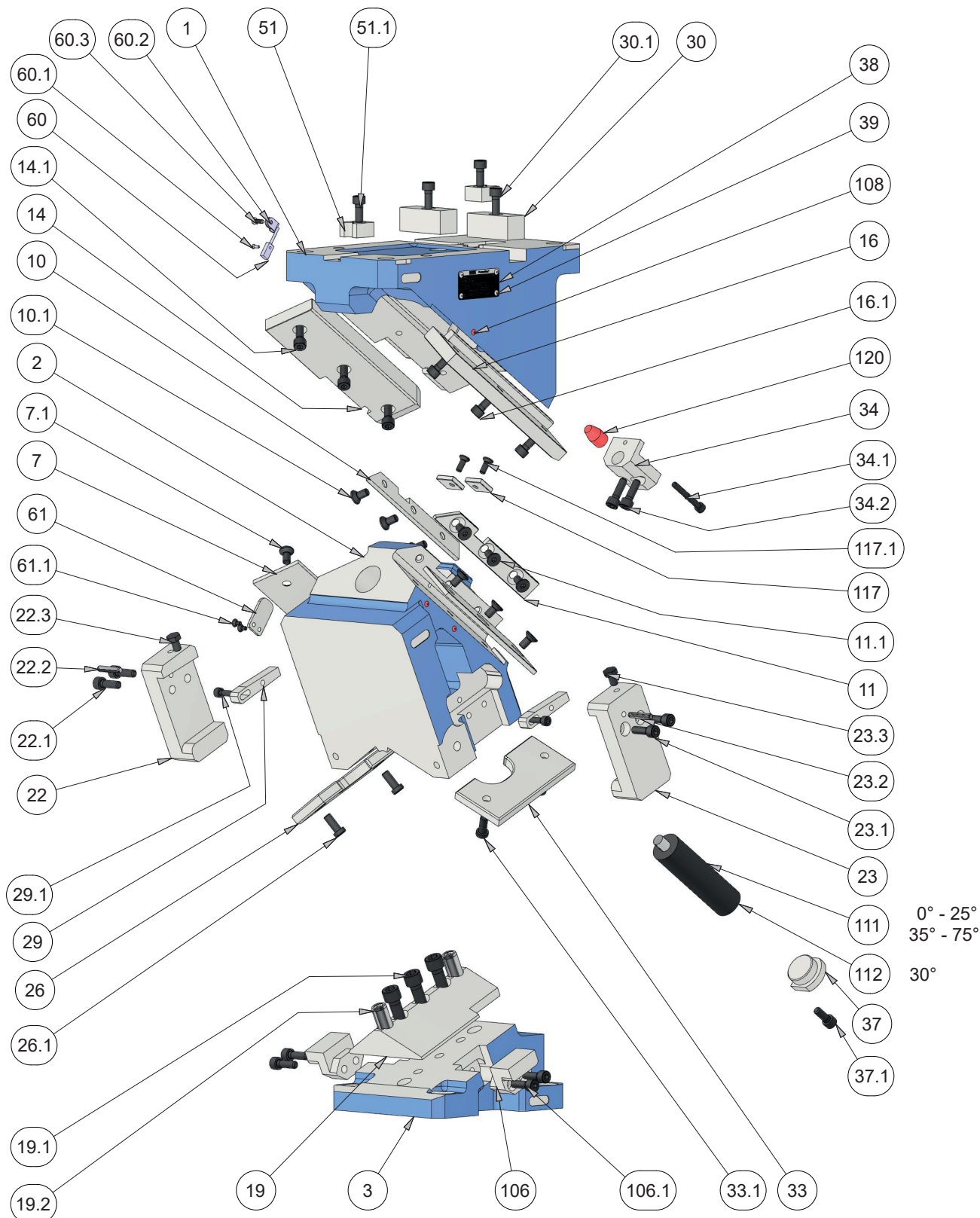


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S0	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E1-G1-S0-V04
50°	E1	G1	S1	320	22	67.8	47	59.5	47	320	147	5	SN5650-PMO-0180-50-E1-G1-S1-V04
55°	E0	G0	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E0-G0-S0-V04
55°	E0	G0	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E0-G0-S1-V04
55°	E0	G1	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E0-G1-S0-V04
55°	E0	G1	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E0-G1-S1-V04
55°	E1	G0	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E1-G0-S0-V04
55°	E1	G0	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E1-G0-S1-V04
55°	E1	G1	S0	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E1-G1-S0-V04
55°	E1	G1	S1	320	20	68.8	42	70.7	47	320	147	5	SN5650-PMO-0180-55-E1-G1-S1-V04
60°	E0	G0	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E0-G0-S0-V04
60°	E0	G0	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E0-G0-S1-V04
60°	E0	G1	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E0-G1-S0-V04
60°	E0	G1	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E0-G1-S1-V04
60°	E1	G0	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E1-G0-S0-V04
60°	E1	G0	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E1-G0-S1-V04
60°	E1	G1	S0	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E1-G1-S0-V04
60°	E1	G1	S1	325	17	70.8	37	72.1	24	325	127	5	SN5650-PMO-0180-60-E1-G1-S1-V04
65°	E0	G0	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E0-G0-S0-V04
65°	E0	G0	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E0-G0-S1-V04
65°	E0	G1	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E0-G1-S0-V04
65°	E0	G1	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E0-G1-S1-V04
65°	E1	G0	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E1-G0-S0-V04
65°	E1	G0	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E1-G0-S1-V04
65°	E1	G1	S0	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E1-G1-S0-V04
65°	E1	G1	S1	325	15	73.1	32	74.6	24	325	127	5	SN5650-PMO-0180-65-E1-G1-S1-V04
70°	E0	G0	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E0-G0-S0-V04
70°	E0	G0	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E0-G0-S1-V04
70°	E0	G1	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E0-G1-S0-V04
70°	E0	G1	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E0-G1-S1-V04
70°	E1	G0	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E1-G0-S0-V04
70°	E1	G0	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E1-G0-S1-V04
70°	E1	G1	S0	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E1-G1-S0-V04
70°	E1	G1	S1	340	12	77.2	27	78.2	52	330	113	10	SN5650-PMO-0180-70-E1-G1-S1-V04
75°	E0	G0	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E0-G0-S0-V04
75°	E0	G0	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E0-G0-S1-V04
75°	E0	G1	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E0-G1-S0-V04
75°	E0	G1	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E0-G1-S1-V04
75°	E1	G0	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E1-G0-S0-V04
75°	E1	G0	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E1-G0-S1-V04
75°	E1	G1	S0	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E1-G1-S0-V04
75°	E1	G1	S1	340	10	83.7	22	84.7	48	330	113	10	SN5650-PMO-0180-75-E1-G1-S1-V04

SN5650-PMO-0180-

Bauteile

Components



Ersatzteilstückliste je Schieber unter www.strack.de

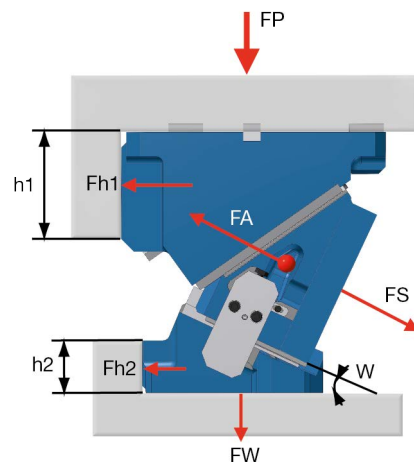
Sparepart lists under www.strack.de

SN5650-PMO-0180-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	411	386	411	386	0	160	40	41
05°	435	193	206	371	31	150	50	46
10°	459	435	389	356	63	140	60	51
15°	474	218	195	328	86	133	68	52
20°	489	468	350	301	109	125	75	54
25°	507	234	175	272	125	120	75	54
30°	525	506	314	243	140	115	75	55
35°	548	253	157	215	149	108	76	54
40°	571	554	281	187	157	100	76	53
45°	581	277	140	156	152	88	88	52
50°	590	576	231	124	148	75	99	53
55°	607	288	116	98	137	73	112	53
60°	623	612	186	73	126	70	125	53
65°	629	617	164	47	102	70	120	53
70°	651	309	82	31	80	65	128	53
75°	673	666	116	16	58	60	135	52



W = Schieberwinkel

FP = P-Presse

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0180-

Schieberkräfte

Cam Force

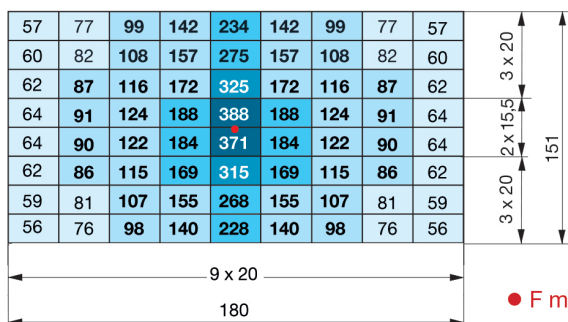
Abschulterung

Shouldering

Passfeder

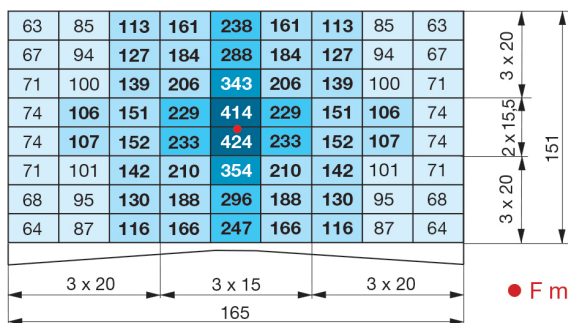
Fitting Key

SN5650-PMO-0180-0°



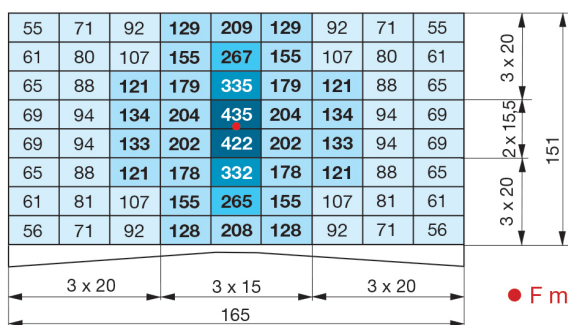
53	53	61	66	72	66	61	53	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53
53	61	66	72	78	72	66	61	53

SN5650-PMO-0180-10°



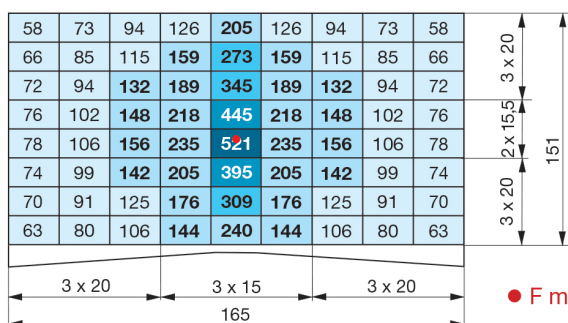
59	59	69	78	85	78	69	59	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59
59	69	78	85	92	85	78	69	59

SN5650-PMO-0180-20°



55	55	71	87	98	87	71	55	55
61	75	87	97	109	97	87	75	61
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
64	75	87	97	109	97	87	75	64
61	75	87	97	109	97	87	75	61
56	71	87	98	109	98	87	71	56

SN5650-PMO-0180-30°



58	58	73	94	117	94	73	58	58
66	85	103	116	131	116	103	85	66
72	87	103	116	131	116	103	87	72
74	87	103	116	131	116	103	87	74
74	87	103	116	131	116	103	87	74
74	87	103	116	131	116	103	87	74
70	87	103	116	131	116	103	87	70
63	80	103	117	131	117	103	80	63

SN5650-PMO-0180-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-0180-40°

61	76	100	135	219	135	100	76	61
69	88	122	171	294	171	122	88	69
75	98	141	205	379	205	141	98	75
80	106	158	239	502	239	158	106	80
80	106	157	237	487	237	157	106	80
76	99	142	205	376	205	142	99	76
70	89	123	171	292	171	123	89	70
62	77	101	136	218	136	101	77	62

• F max. = 571 kN

61	61	76	100	135	100	76	61	61
69	88	122	142	160	142	122	88	69
75	98	122	141	160	141	122	98	75
80	101	122	141	160	141	122	101	80
80	101	122	141	160	141	122	101	80
76	99	122	141	160	141	122	99	76
70	89	122	142	160	142	122	89	70
62	77	101	136	160	136	101	77	62

SN5650-PMO-0180-50°

62	76	96	134	210	134	96	76	62
72	90	121	174	292	174	121	90	72
79	102	143	216	388	216	143	102	79
84	110	160	254	517	254	160	110	84
84	110	159	251	500	251	159	110	84
79	102	143	215	384	215	143	102	79
72	91	121	174	290	174	121	91	72
63	77	98	135	210	135	98	77	63

• F max. = 590 kN

62	62	76	96	134	96	76	62	62
72	90	121	174	202	174	121	90	72
79	102	143	177	202	177	143	102	79
84	110	147	177	202	177	147	110	84
84	110	147	177	202	177	147	110	84
79	102	143	177	202	177	143	102	79
72	91	121	174	202	174	121	91	72
63	77	98	135	202	135	98	77	63

SN5650-PMO-0180-60°

65	77	96	126	201	126	96	77	65
76	93	121	170	285	170	121	93	76
86	108	147	221	387	221	147	108	86
92	118	166	264	519	264	166	118	92
94	121	171	274	552	274	171	121	94
88	112	154	233	416	233	154	112	88
80	99	129	184	308	184	129	99	80
69	83	103	137	220	137	103	83	69

• F max. = 623 kN

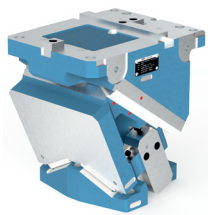
65	65	77	96	126	96	77	65	65
76	93	121	170	265	170	121	93	76
86	108	147	221	265	221	147	108	86
92	118	166	233	265	233	166	118	92
94	121	171	233	265	233	171	121	94
88	112	154	233	265	233	154	112	88
80	99	129	184	265	184	129	99	80
69	83	103	137	220	137	103	83	69

SN5650-PMO-0180-70°

70	81	98	119	199	119	98	81	70
83	100	125	161	284	161	125	100	83
95	118	156	214	393	214	156	118	95
104	132	179	262	542	262	179	132	104
106	134	184	271	570	271	184	134	106
98	123	162	226	419	226	162	123	98
87	106	133	173	305	173	133	106	87
74	87	105	128	215	128	105	87	74

• F max. = 651 kN

70	70	81	98	119	98	81	70	70
83	100	125	161	284	161	125	100	83
95	118	156	214	353	214	156	118	95
104	132	179	262	381	262	179	132	104
106	134	184	269	381	269	184	134	106
98	123	162	226	364	226	162	123	98
87	106	133	173	305	173	133	106	87
74	87	105	128	215	128	105	87	74

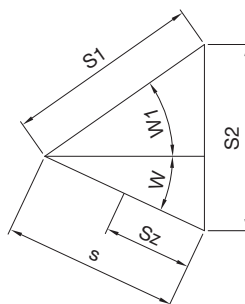
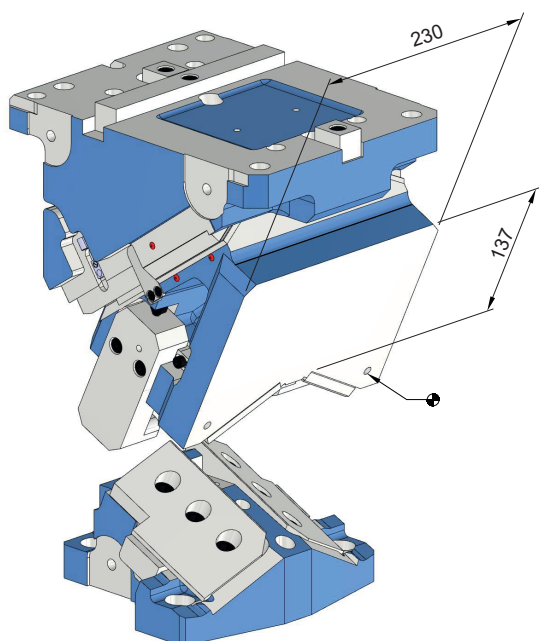
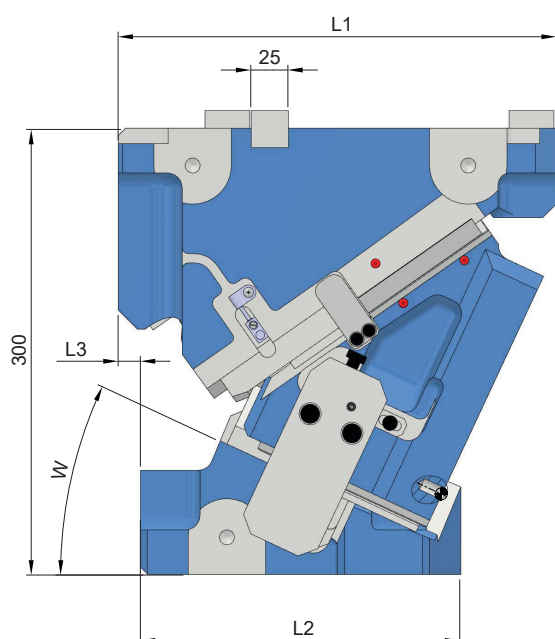


SN5650-PMO-0230-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	230 x 137 mm
Schieberbreite max.	Cam unit width max.	230 mm
Einbauhöhe	Installation height	300 mm
Schieberkraft	Cam force	> 490 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

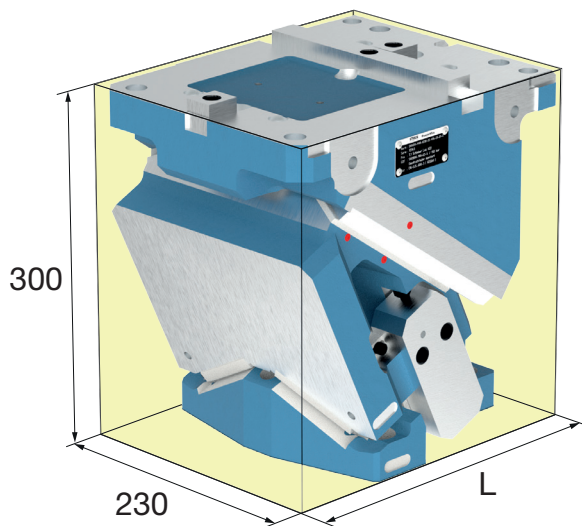
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

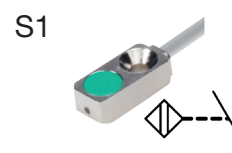
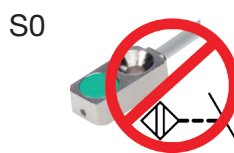
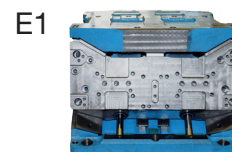
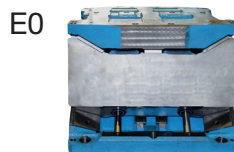
SN5650-PMO-0230-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



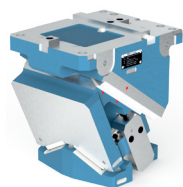
W = Schieberwinkel
Cam Angle

E = Einarbeitung
Machining

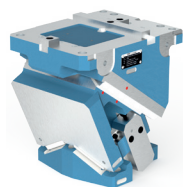
G = Gasdruckfeder
Gas spring

SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E0-G0-S0-V04
0°	E0	G0	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E0-G0-S1-V04
0°	E0	G1	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E0-G1-S0-V04
0°	E0	G1	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E0-G1-S1-V04
0°	E1	G0	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E1-G0-S0-V04
0°	E1	G0	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E1-G0-S1-V04
0°	E1	G1	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E1-G1-S0-V04
0°	E1	G1	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0230-00-E1-G1-S1-V04
5°	E0	G0	S0	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E0-G0-S0-V04
5°	E0	G0	S1	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E0-G0-S1-V04
5°	E0	G1	S0	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E0-G1-S0-V04
5°	E0	G1	S1	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E0-G1-S1-V04
5°	E1	G0	S0	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E1-G0-S0-V04
5°	E1	G0	S1	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E1-G0-S1-V04
5°	E1	G1	S0	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E1-G1-S0-V04
5°	E1	G1	S1	276.5	45	36.9	52	40	21	275	245	30	SN5650-PMO-0230-05-E1-G1-S1-V04
10°	E0	G0	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E0-G0-S0-V04
10°	E0	G0	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E0-G0-S1-V04
10°	E0	G1	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E0-G1-S0-V04
10°	E0	G1	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E0-G1-S1-V04
10°	E1	G0	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E1-G0-S0-V04
10°	E1	G0	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E1-G0-S1-V04
10°	E1	G1	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E1-G1-S0-V04
10°	E1	G1	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0230-10-E1-G1-S1-V04
15°	E0	G0	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E0-G0-S0-V04
15°	E0	G0	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E0-G0-S1-V04
15°	E0	G1	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E0-G1-S0-V04
15°	E0	G1	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E0-G1-S1-V04
15°	E1	G0	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E1-G0-S0-V04
15°	E1	G0	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E1-G0-S1-V04
15°	E1	G1	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E1-G1-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0230-15-E1-G1-S1-V04
20°	E0	G0	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E0-G0-S0-V04
20°	E0	G0	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E0-G0-S1-V04
20°	E0	G1	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E0-G1-S0-V04
20°	E0	G1	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E0-G1-S1-V04
20°	E1	G0	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E1-G0-S0-V04
20°	E1	G0	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E1-G0-S1-V04
20°	E1	G1	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E1-G1-S0-V04
20°	E1	G1	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0230-20-E1-G1-S1-V04
25°	E0	G0	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E0-G0-S0-V04
25°	E0	G0	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E0-G0-S1-V04
25°	E0	G1	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E0-G1-S0-V04
25°	E0	G1	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E0-G1-S1-V04
25°	E1	G0	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E1-G0-S0-V04
25°	E1	G0	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E1-G0-S1-V04
25°	E1	G1	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E1-G1-S0-V04
25°	E1	G1	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0230-25-E1-G1-S1-V04
30°	E0	G0	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E0-G0-S0-V04
30°	E0	G0	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E0-G0-S1-V04
30°	E0	G1	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E0-G1-S0-V04
30°	E0	G1	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E0-G1-S1-V04
30°	E1	G0	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E1-G0-S0-V04
30°	E1	G0	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E1-G0-S1-V04
30°	E1	G1	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E1-G1-S0-V04
30°	E1	G1	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0230-30-E1-G1-S1-V04
35°	E0	G0	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E0-G0-S0-V04
35°	E0	G0	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E0-G0-S1-V04
35°	E0	G1	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E0-G1-S0-V04
35°	E0	G1	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E0-G1-S1-V04
35°	E1	G0	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E1-G0-S0-V04
35°	E1	G0	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E1-G0-S1-V04
35°	E1	G1	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E1-G1-S0-V04
35°	E1	G1	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0230-35-E1-G1-S1-V04
40°	E0	G0	S0	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E0-G0-S0-V04
40°	E0	G0	S1	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E0-G0-S1-V04
40°	E0	G1	S0	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E0-G1-S0-V04
40°	E0	G1	S1	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E0-G1-S1-V04
40°	E1	G0	S0	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E1-G0-S0-V04
40°	E1	G0	S1	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E1-G0-S1-V04
40°	E1	G1	S0	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E1-G1-S0-V04
40°	E1	G1	S1	305	27	54.7	47	56.5	37	305	185	0	SN5650-PMO-0230-40-E1-G1-S1-V04
45°	E0	G0	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E0-G0-S0-V04
45°	E0	G0	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E0-G0-S1-V04
45°	E0	G1	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E0-G1-S0-V04
45°	E0	G1	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E0-G1-S1-V04
45°	E1	G0	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E1-G0-S0-V04
45°	E1	G0	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E1-G0-S1-V04
45°	E1	G1	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E1-G1-S0-V04
45°	E1	G1	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0230-45-E1-G1-S1-V04
50°	E0	G0	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E0-G0-S0-V04
50°	E0	G0	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E0-G0-S1-V04
50°	E0	G1	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E0-G1-S0-V04
50°	E0	G1	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E0-G1-S1-V04
50°	E1	G0	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E1-G0-S0-V04
50°	E1	G0	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E1-G0-S1-V04

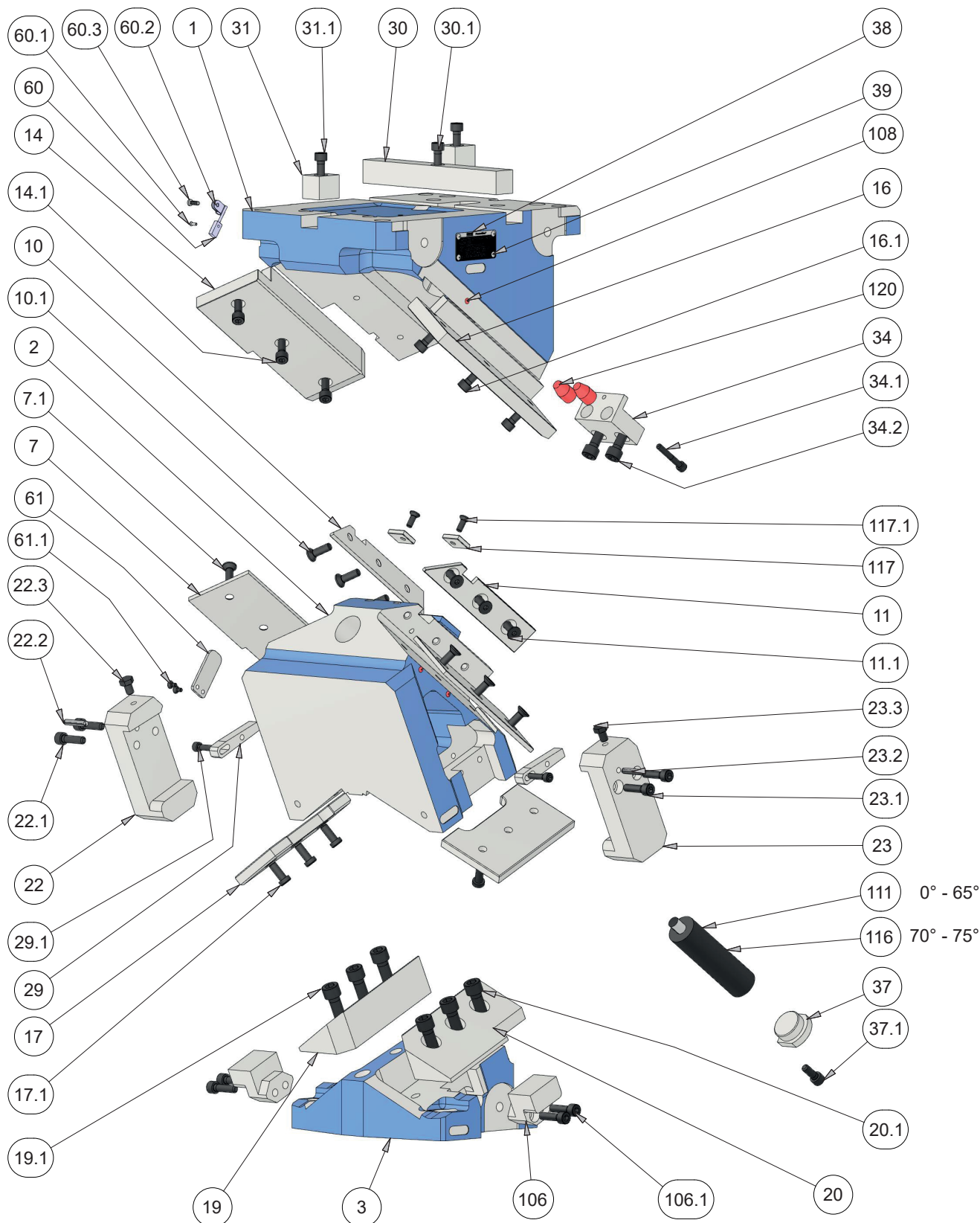


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E1-G1-S0-V04
50°	E1	G1	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0230-50-E1-G1-S1-V04
55°	E0	G0	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E0-G0-S0-V04
55°	E0	G0	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E0-G0-S1-V04
55°	E0	G1	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E0-G1-S0-V04
55°	E0	G1	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E0-G1-S1-V04
55°	E1	G0	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E1-G0-S0-V04
55°	E1	G0	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E1-G0-S1-V04
55°	E1	G1	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E1-G1-S0-V04
55°	E1	G1	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0230-55-E1-G1-S1-V04
60°	E0	G0	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E0-G0-S0-V04
60°	E0	G0	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E0-G0-S1-V04
60°	E0	G1	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E0-G1-S0-V04
60°	E0	G1	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E0-G1-S1-V04
60°	E1	G0	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E1-G0-S0-V04
60°	E1	G0	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E1-G0-S1-V04
60°	E1	G1	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E1-G1-S0-V04
60°	E1	G1	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0230-60-E1-G1-S1-V04
65°	E0	G0	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E0-G0-S0-V04
65°	E0	G0	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E0-G0-S1-V04
65°	E0	G1	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E0-G1-S0-V04
65°	E0	G1	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E0-G1-S1-V04
65°	E1	G0	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E1-G0-S0-V04
65°	E1	G0	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E1-G0-S1-V04
65°	E1	G1	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E1-G1-S0-V04
65°	E1	G1	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0230-65-E1-G1-S1-V04
70°	E0	G0	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E0-G0-S0-V04
70°	E0	G0	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E0-G0-S1-V04
70°	E0	G1	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E0-G1-S0-V04
70°	E0	G1	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E0-G1-S1-V04
70°	E1	G0	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E1-G0-S0-V04
70°	E1	G0	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E1-G0-S1-V04
70°	E1	G1	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E1-G1-S0-V04
70°	E1	G1	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0230-70-E1-G1-S1-V04
75°	E0	G0	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E0-G0-S0-V04
75°	E0	G0	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E0-G0-S1-V04
75°	E0	G1	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E0-G1-S0-V04
75°	E0	G1	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E0-G1-S1-V04
75°	E1	G0	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E1-G0-S0-V04
75°	E1	G0	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E1-G0-S1-V04
75°	E1	G1	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E1-G1-S0-V04
75°	E1	G1	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0230-75-E1-G1-S1-V04

SN5650-PMO-0230-

Bauteile

Components

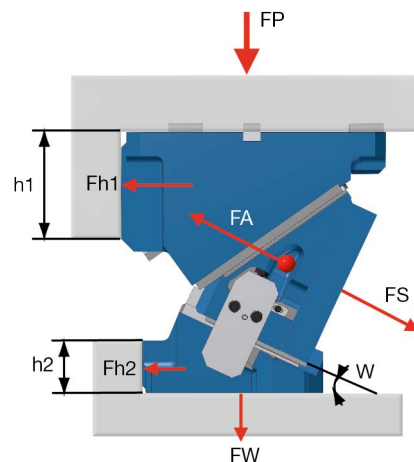


SN5650-PMO-0230-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	490	460	490	460	0	152	40	46
05°	525	495	482	446	38	145	50	45
10°	559	530	474	433	76	137	60	44
15°	577	549	450	399	105	130	68	43
20°	595	569	426	365	133	122	75	42
25°	610	585	400	327	150	122	75	44
30°	624	601	374	289	167	122	75	45
35°	660	637	358	258	179	115	73	48
40°	695	674	342	227	191	107	71	50
45°	707	688	312	189	185	97	83	51
50°	718	701	282	151	180	87	95	54
55°	714	699	247	117	162	85	109	51
60°	710	697	212	83	143	82	122	53
65°	718	705	188	54	116	80	120	52
70°	735	722	206	84	122	76	115	53
75°	752	744	130	17	65	65	135	52



W = Schieberwinkel
 FP = P-Presse
 FW = W-Werkzeug
 FS = S-Schieberkraft
 FA = A-Abstreifkraft
 Fh1 = h1-Abschulterung oben
 Fh2 = h2-Abschulterung unten

W = Cam Angle
 FP = P-Press
 FW = W-Tool
 FS = S-Cam Force
 FA = A-Retractility
 Fh1 = h1-Shouldering above
 Fh2 = h2-Shouldering below

SN5650-PMO-0230-

Schieberkräfte

Cam Force

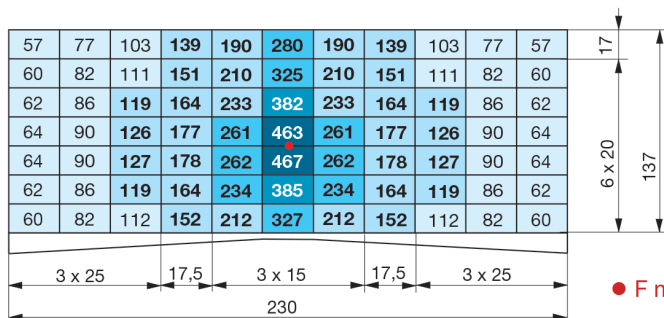
Abschulterung

Shouldering

Passfeder

Fitting Key

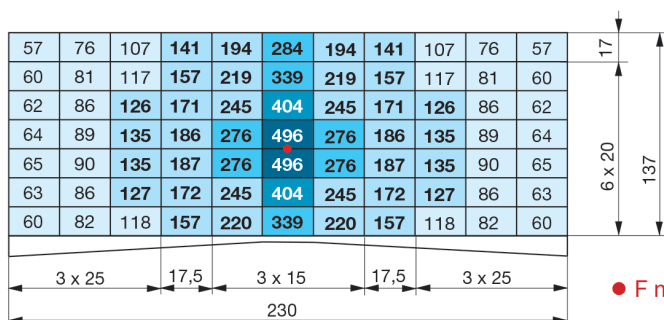
SN5650-PMO-0230-0°



● F max. = 490 kN

50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50
50	61	73	83	92	104	92	83	73	61	50

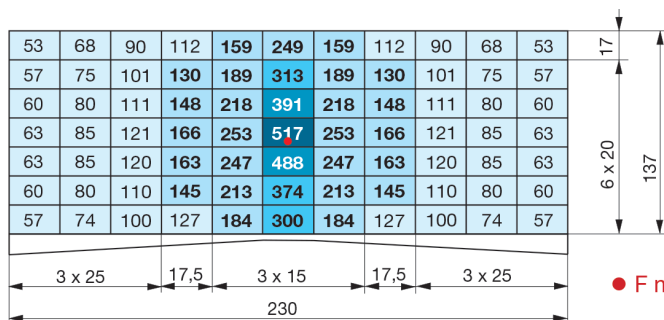
SN5650-PMO-0230-10°



● F max. = 559 kN

53	65	83	95	108	122	108	95	83	65	53
53	65	82	95	108	122	108	95	82	65	53
53	65	82	95	108	122	108	95	82	65	53
53	65	82	95	108	122	108	95	82	65	53
53	65	82	95	108	122	108	95	82	65	53
53	65	82	95	108	122	108	95	82	65	53
53	65	82	95	108	122	108	95	82	65	53

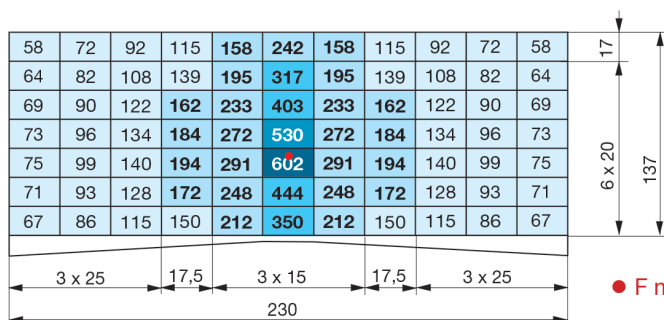
SN5650-PMO-0230-20°



● F max. = 595 kN

53	67	86	103	122	146	122	103	86	67	53
55	67	85	102	121	146	121	102	85	67	55
55	67	85	102	121	146	121	102	85	67	55
55	67	85	102	121	146	121	102	85	67	55
55	67	85	102	121	146	121	102	85	67	55
55	67	85	102	121	146	121	102	85	67	55
55	67	85	102	121	146	121	102	85	67	55

SN5650-PMO-0230-30°



● F max. = 624 kN

58	72	92	115	143	175	143	115	92	72	58
61	75	96	119	142	175	142	119	96	75	61
61	75	96	118	142	175	142	118	96	75	61
61	75	96	118	142	175	142	118	96	75	61
61	75	96	118	142	175	142	118	96	75	61
61	75	96	118	142	175	142	118	96	75	61
61	75	96	118	142	175	142	118	96	75	61

SN5650-PMO-0230-

Schieberkräfte

Cam Force

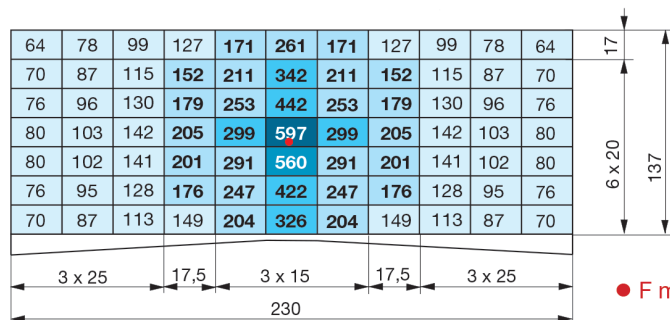
Abschulterung

Shouldering

Passfeder

Fitting Key

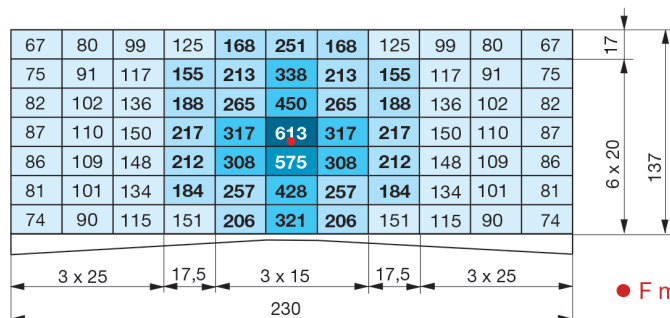
SN5650-PMO-0230-40°



● F max. = 695 kN

64	78	99	127	171	213	171	127	99	78	64
70	85	110	142	172	213	172	142	110	85	70
70	85	110	141	171	213	171	141	110	85	70
70	85	110	141	171	213	171	141	110	85	70
70	85	110	141	171	213	171	141	110	85	70
70	85	110	141	171	213	171	141	110	85	70
70	85	110	142	172	213	172	142	110	85	70

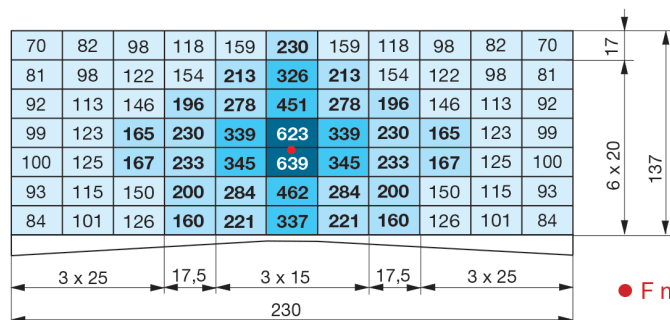
SN5650-PMO-0230-50°



● F max. = 718 kN

67	80	99	125	168	251	168	125	99	80	67
75	91	117	155	213	268	213	155	117	91	75
82	102	131	173	214	268	214	173	131	102	82
83	102	131	173	214	268	214	173	131	102	83
83	102	131	173	214	268	214	173	131	102	83
81	101	131	173	214	268	214	173	131	101	81
74	90	115	151	206	268	206	151	115	90	74

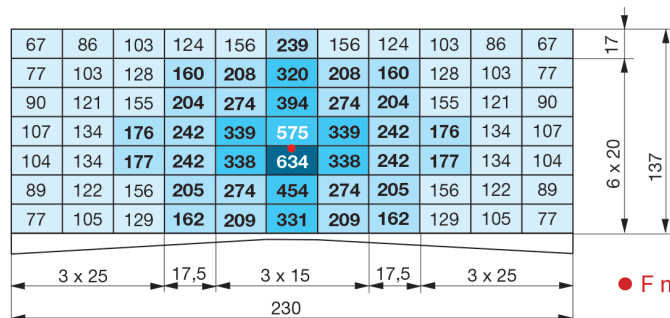
SN5650-PMO-0230-60°



● F max. = 710 kN

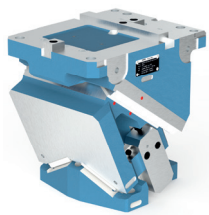
70	82	98	118	159	230	159	118	98	82	70
81	98	122	154	213	326	213	154	122	98	81
92	113	146	196	278	352	278	196	146	113	92
99	123	165	218	280	352	280	218	165	123	99
100	125	166	218	280	352	280	218	166	125	100
93	115	150	200	280	352	280	200	150	115	93
84	101	126	160	221	337	221	160	126	101	84

SN5650-PMO-0230-70°



● F max. = 735 kN

69	86	103	124	156	239	156	124	103	86	69
79	103	128	160	208	285	208	160	128	103	79
94	121	152	196	249	303	249	196	152	121	94
106	130	167	220	288	403	288	220	167	130	106
98	131	168	222	291	438	291	222	168	131	98
86	122	154	199	252	374	252	199	154	122	86
75	105	129	162	209	305	209	162	129	105	75

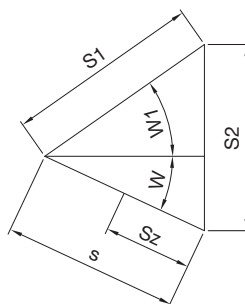
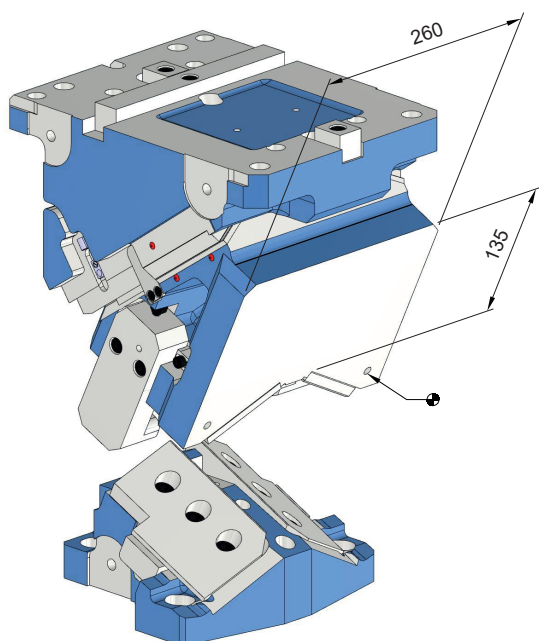
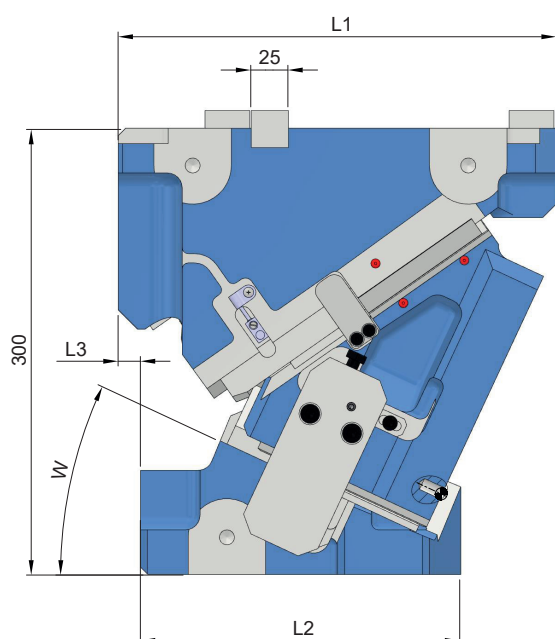


SN5650-PMO-0260-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	260 x 135 mm
Schieberbreite max.	<i>Cam unit width max.</i>	260 mm
Einbauhöhe	<i>Installation height</i>	300 mm
Schieberkraft	<i>Cam force</i>	> 616 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

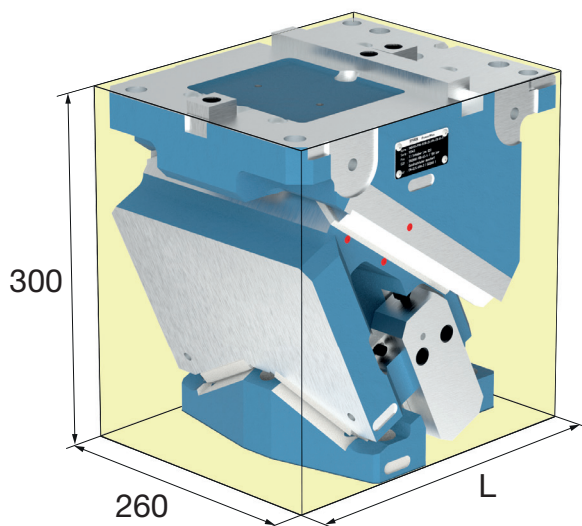
Schieber ausgefahren
Cam is extended

Sz = Eingriffslänge Aktivrückzug

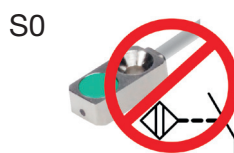
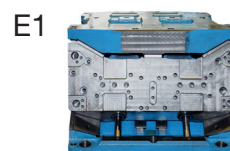
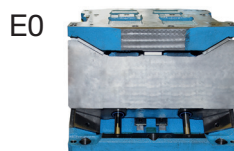
Sz = Engagement length of activ return

SN5650-PMO-0260-

Oben hängender Schieber

Aerial cam unit


Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

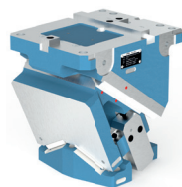
G = Gasdruckfeder

Gas spring

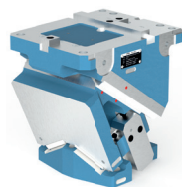
SE = Sensor

Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E0-G0-S0-V04
0°	E0	G0	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E0-G0-S1-V04
0°	E0	G1	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E0-G1-S0-V04
0°	E0	G1	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E0-G1-S1-V04
0°	E1	G0	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E1-G0-S0-V04
0°	E1	G0	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E1-G0-S1-V04
0°	E1	G1	S0	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E1-G1-S0-V04
0°	E1	G1	S1	275	47	35.5	52	38	16	275	245	30	SN5650-PMO-0260-00-E1-G1-S1-V04
5°	E0	G0	S0	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E0-G0-S0-V04
5°	E0	G0	S1	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E0-G0-S1-V04
5°	E0	G1	S0	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E0-G1-S0-V04
5°	E0	G1	S1	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E0-G1-S1-V04
5°	E1	G0	S0	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E1-G0-S0-V04
5°	E1	G0	S1	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E1-G0-S1-V04
5°	E1	G1	S0	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E1-G1-S0-V04
5°	E1	G1	S1	277	45	36.9	52	40	21	275	245	30	SN5650-PMO-0260-05-E1-G1-S1-V04
10°	E0	G0	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E0-G0-S0-V04
10°	E0	G0	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E0-G0-S1-V04
10°	E0	G1	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E0-G1-S0-V04
10°	E0	G1	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E0-G1-S1-V04
10°	E1	G0	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E1-G0-S0-V04
10°	E1	G0	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E1-G0-S1-V04
10°	E1	G1	S0	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E1-G1-S0-V04
10°	E1	G1	S1	282	42	39.2	52	41.6	22	280	242	15	SN5650-PMO-0260-10-E1-G1-S1-V04
15°	E0	G0	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E0-G0-S0-V04
15°	E0	G0	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E0-G0-S1-V04
15°	E0	G1	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E0-G1-S0-V04
15°	E0	G1	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E0-G1-S1-V04
15°	E1	G0	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E1-G0-S0-V04
15°	E1	G0	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E1-G0-S1-V04
15°	E1	G1	S0	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E1-G1-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S1	287	40	41.2	52	44.1	22	280	242	15	SN5650-PMO-0260-15-E1-G1-S1-V04
20°	E0	G0	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E0-G0-S0-V04
20°	E0	G0	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E0-G0-S1-V04
20°	E0	G1	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E0-G1-S0-V04
20°	E0	G1	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E0-G1-S1-V04
20°	E1	G0	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E1-G0-S0-V04
20°	E1	G0	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E1-G0-S1-V04
20°	E1	G1	S0	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E1-G1-S0-V04
20°	E1	G1	S1	295	37	44.2	52	46.4	27	295	215	15	SN5650-PMO-0260-20-E1-G1-S1-V04
25°	E0	G0	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E0-G0-S0-V04
25°	E0	G0	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E0-G0-S1-V04
25°	E0	G1	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E0-G1-S0-V04
25°	E0	G1	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E0-G1-S1-V04
25°	E1	G0	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E1-G0-S0-V04
25°	E1	G0	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E1-G0-S1-V04
25°	E1	G1	S0	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E1-G1-S0-V04
25°	E1	G1	S1	295	35	47	52	49.7	32	295	215	15	SN5650-PMO-0260-25-E1-G1-S1-V04
30°	E0	G0	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E0-G0-S0-V04
30°	E0	G0	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E0-G0-S1-V04
30°	E0	G1	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E0-G1-S0-V04
30°	E0	G1	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E0-G1-S1-V04
30°	E1	G0	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E1-G0-S0-V04
30°	E1	G0	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E1-G0-S1-V04
30°	E1	G1	S0	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E1-G1-S0-V04
30°	E1	G1	S1	305	32	50.9	52	53	37	305	195	15	SN5650-PMO-0260-30-E1-G1-S1-V04
35°	E0	G0	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E0-G0-S0-V04
35°	E0	G0	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E0-G0-S1-V04
35°	E0	G1	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E0-G1-S0-V04
35°	E0	G1	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E0-G1-S1-V04
35°	E1	G0	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E1-G0-S0-V04
35°	E1	G0	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E1-G0-S1-V04
35°	E1	G1	S0	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E1-G1-S0-V04
35°	E1	G1	S1	305	30	49.7	47	52	37	305	195	15	SN5650-PMO-0260-35-E1-G1-S1-V04
40°	E0	G0	S0	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E0-G0-S0-V04
40°	E0	G0	S1	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E0-G0-S1-V04
40°	E0	G1	S0	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E0-G1-S0-V04
40°	E0	G1	S1	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E0-G1-S1-V04
40°	E1	G0	S0	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E1-G0-S0-V04
40°	E1	G0	S1	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E1-G0-S1-V04
40°	E1	G1	S0	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E1-G1-S0-V04
40°	E1	G1	S1	305	27	54.7	47	56.5	36.5	305	185	0	SN5650-PMO-0260-40-E1-G1-S1-V04
45°	E0	G0	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E0-G0-S0-V04
45°	E0	G0	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E0-G0-S1-V04
45°	E0	G1	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E0-G1-S0-V04
45°	E0	G1	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E0-G1-S1-V04
45°	E1	G0	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E1-G0-S0-V04
45°	E1	G0	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E1-G0-S1-V04
45°	E1	G1	S0	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E1-G1-S0-V04
45°	E1	G1	S1	305	25	60.2	47	62.5	42	305	185	0	SN5650-PMO-0260-45-E1-G1-S1-V04
50°	E0	G0	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E0-G0-S0-V04
50°	E0	G0	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E0-G0-S1-V04
50°	E0	G1	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E0-G1-S0-V04
50°	E0	G1	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E0-G1-S1-V04
50°	E1	G0	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E1-G0-S0-V04
50°	E1	G0	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E1-G0-S1-V04

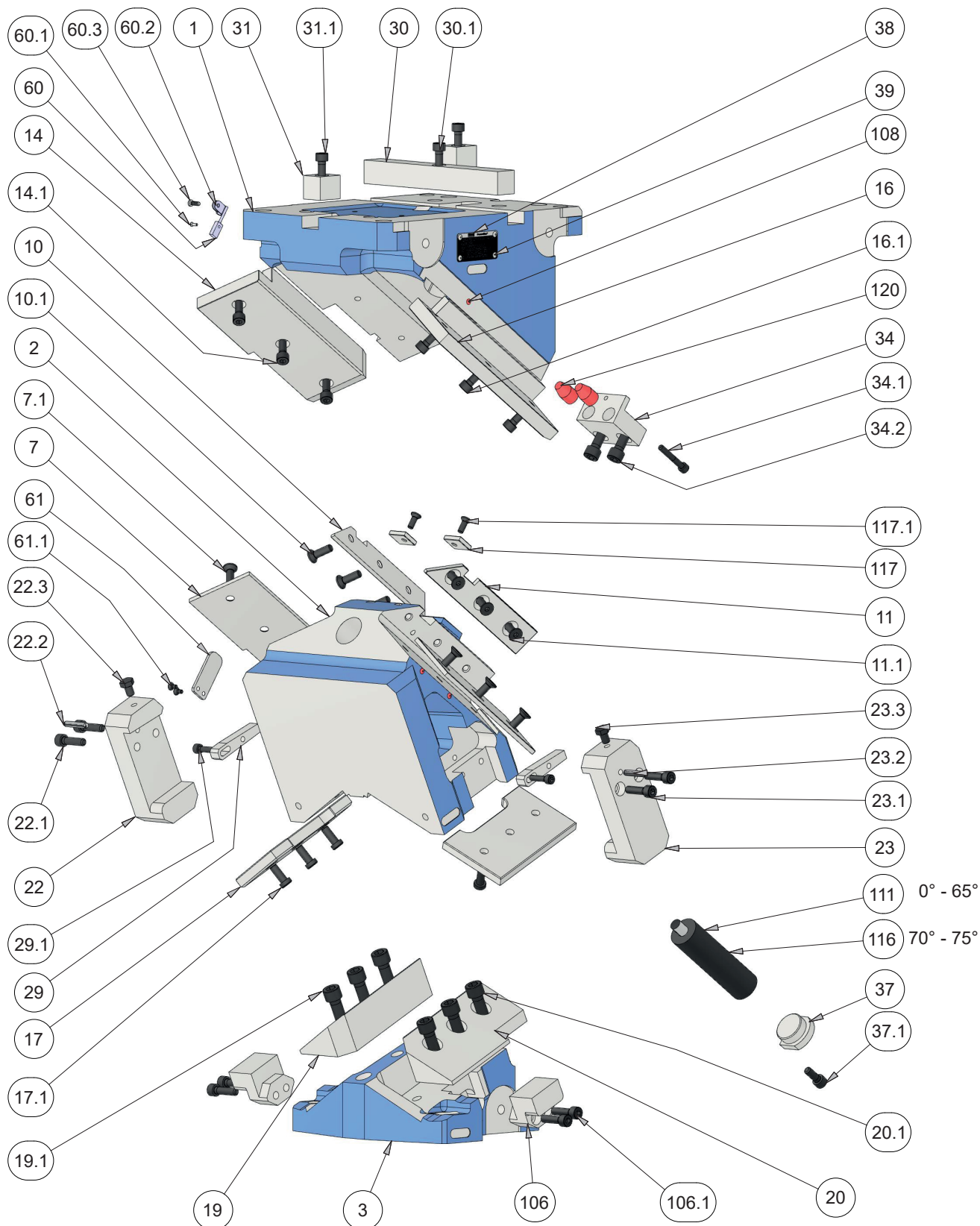


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S0	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E1-G1-S0-V04
50°	E1	G1	S1	320	22	67.8	47	69.5	47	310	175	10	SN5650-PMO-0260-50-E1-G1-S1-V04
55°	E0	G0	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E0-G0-S0-V04
55°	E0	G0	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E0-G0-S1-V04
55°	E0	G1	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E0-G1-S0-V04
55°	E0	G1	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E0-G1-S1-V04
55°	E1	G0	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E1-G0-S0-V04
55°	E1	G0	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E1-G0-S1-V04
55°	E1	G1	S0	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E1-G1-S0-V04
55°	E1	G1	S1	320	20	68.8	42	70.7	47	310	175	10	SN5650-PMO-0260-55-E1-G1-S1-V04
60°	E0	G0	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E0-G0-S0-V04
60°	E0	G0	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E0-G0-S1-V04
60°	E0	G1	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E0-G1-S0-V04
60°	E0	G1	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E0-G1-S1-V04
60°	E1	G0	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E1-G0-S0-V04
60°	E1	G0	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E1-G0-S1-V04
60°	E1	G1	S0	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E1-G1-S0-V04
60°	E1	G1	S1	325	17	70.8	37	72.1	27	315	160	10	SN5650-PMO-0260-60-E1-G1-S1-V04
65°	E0	G0	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E0-G0-S0-V04
65°	E0	G0	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E0-G0-S1-V04
65°	E0	G1	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E0-G1-S0-V04
65°	E0	G1	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E0-G1-S1-V04
65°	E1	G0	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E1-G0-S0-V04
65°	E1	G0	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E1-G0-S1-V04
65°	E1	G1	S0	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E1-G1-S0-V04
65°	E1	G1	S1	325	15	73.1	32	74.6	27	315	160	10	SN5650-PMO-0260-65-E1-G1-S1-V04
70°	E0	G0	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E0-G0-S0-V04
70°	E0	G0	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E0-G0-S1-V04
70°	E0	G1	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E0-G1-S0-V04
70°	E0	G1	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E0-G1-S1-V04
70°	E1	G0	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E1-G0-S0-V04
70°	E1	G0	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E1-G0-S1-V04
70°	E1	G1	S0	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E1-G1-S0-V04
70°	E1	G1	S1	340	12	77.2	27	78.2	47	330	145	10	SN5650-PMO-0260-70-E1-G1-S1-V04
75°	E0	G0	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E0-G0-S0-V04
75°	E0	G0	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E0-G0-S1-V04
75°	E0	G1	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E0-G1-S0-V04
75°	E0	G1	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E0-G1-S1-V04
75°	E1	G0	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E1-G0-S0-V04
75°	E1	G0	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E1-G0-S1-V04
75°	E1	G1	S0	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E1-G1-S0-V04
75°	E1	G1	S1	340	10	83.7	22	84.7	47	330	145	10	SN5650-PMO-0260-75-E1-G1-S1-V04

SN5650-PMO-0260-

Bauteile

Components

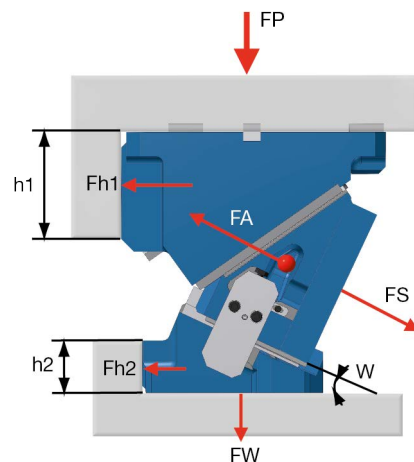


SN5650-PMO-0260-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	616	577	616	577	0	152	40	46
05°	640	603	590	545	45	145	55	45
10°	664	629	563	513	91	137	70	44
15°	686	652	535	474	124	129	70	58
20°	707	675	507	434	158	120	70	71
25°	749	718	490	400	185	120	80	58
30°	791	761	474	366	211	120	90	45
35°	808	781	440	318	219	110	80	48
40°	825	800	406	270	226	100	70	50
45°	839	816	370	224	220	93	80	70
50°	853	833	335	179	214	85	90	70
55°	876	858	302	142	197	83	105	68
60°	899	883	269	104	181	80	120	53
65°	933	919	235	76	155	73	128	53
70°	967	956	202	47	129	65	135	52
75°	972	961	168	22	83	65	135	52



W = Schieberwinkel

FP = P-Presse

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0260-

Schieberkräfte

Cam Force

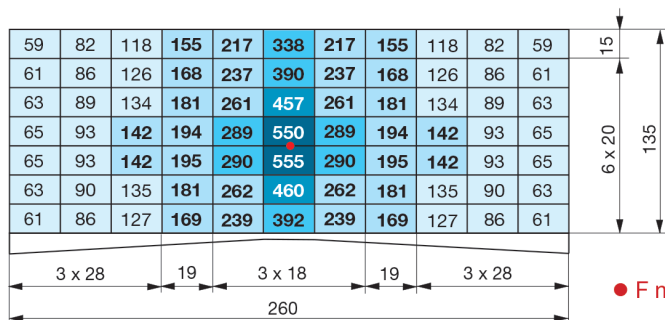
Abschulterung

Shouldering

Passfeder

Fitting Key

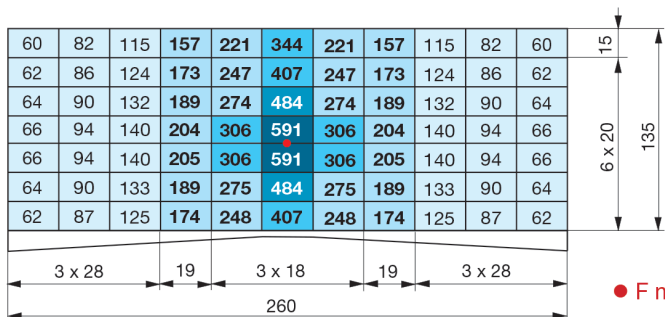
SN5650-PMO-0260-0°



● F max. = 616 kN

58	71	71	90	102	114	102	90	71	71	58
58	71	90	102	114	130	114	102	90	71	58
58	71	90	102	114	130	114	102	90	71	58
58	71	90	102	114	130	114	102	90	71	58
58	71	90	102	114	130	114	102	90	71	58
58	71	90	102	114	130	114	102	90	71	58
58	71	90	102	114	130	114	102	90	71	58

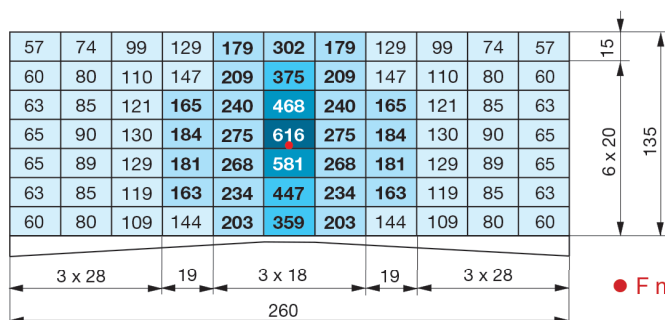
SN5650-PMO-0260-10°



● F max. = 664 kN

60	75	75	97	117	133	117	97	75	75	60
62	75	97	117	133	153	133	117	97	75	62
62	75	97	117	133	153	133	117	97	75	62
62	75	97	117	133	153	133	117	97	75	62
62	75	97	117	133	153	133	117	97	75	62
62	75	97	117	133	153	133	117	97	75	62
62	75	97	117	133	153	133	117	97	75	62

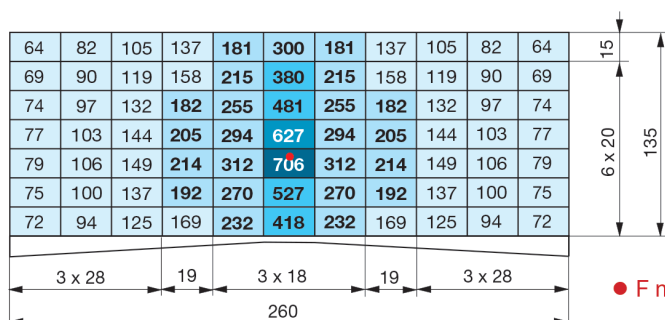
SN5650-PMO-0260-20°



● F max. = 707 kN

57	74	74	99	125	149	125	99	74	74	57
60	78	100	124	148	182	148	124	100	78	60
63	78	100	124	148	182	148	124	100	78	63
64	78	100	124	148	182	148	124	100	78	64
64	78	100	124	148	182	148	124	100	78	64
63	78	100	124	148	182	148	124	100	78	63
60	78	100	124	148	182	148	124	100	78	60

SN5650-PMO-0260-30°



● F max. = 791 kN

64	82	82	105	137	175	137	105	82	82	64
69	87	112	144	174	218	174	144	112	87	69
71	87	112	143	173	218	173	143	112	87	71
71	87	112	143	173	218	173	143	112	87	71
71	87	112	143	173	218	173	143	112	87	71
71	87	112	143	173	218	173	143	112	87	71
71	87	112	143	173	218	173	143	112	87	71

SN5650-PMO-0260-

Schieberkräfte

Cam Force

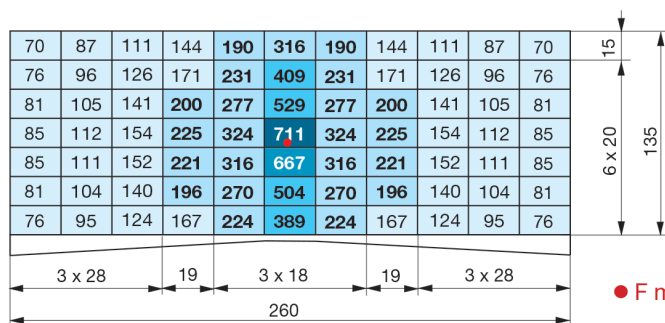
Abschulterung

Shouldering

Passfeder

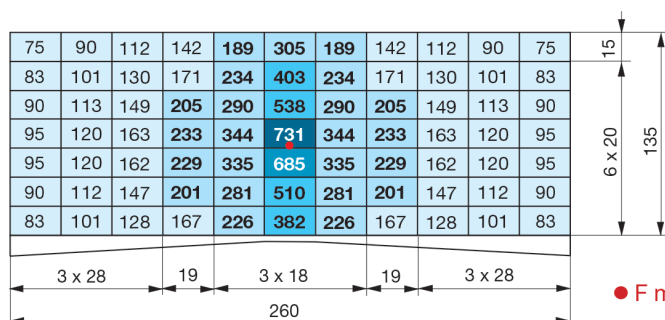
Fitting Key

SN5650-PMO-0260-40°



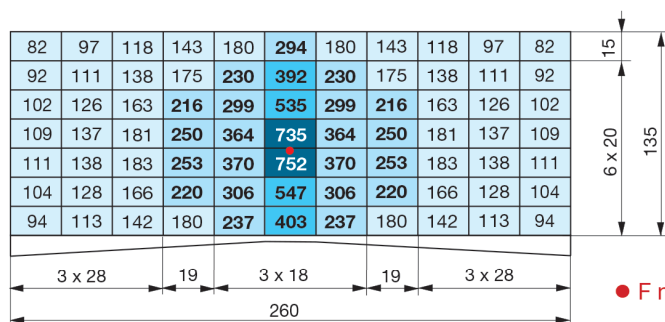
70	87	87	111	144	190	144	111	87	87	70
76	96	126	169	209	266	209	169	126	96	76
81	99	128	169	209	266	209	169	128	99	81
81	99	128	169	209	266	209	169	128	99	81
81	99	128	169	209	266	209	169	128	99	81
81	99	128	169	209	266	209	169	128	99	81
76	95	124	167	210	266	210	167	124	95	76

SN5650-PMO-0260-50°



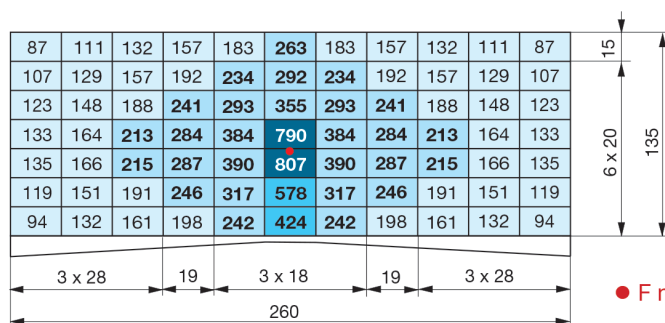
75	90	90	112	142	189	142	112	90	90	75
83	101	130	171	234	334	234	171	130	101	83
90	113	149	202	260	334	260	202	149	113	90
95	118	152	202	260	334	260	202	152	118	95
95	118	152	202	260	334	260	202	152	118	95
90	112	147	201	260	334	260	201	147	112	90
83	101	128	167	226	334	226	167	128	101	83

SN5650-PMO-0260-60°

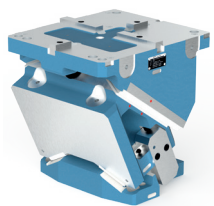


82	97	97	118	143	180	143	118	97	97	82
92	111	138	175	230	392	230	175	138	111	92
102	126	163	216	299	439	299	216	163	126	102
109	137	181	250	340	439	340	250	181	137	109
111	138	183	253	340	439	340	253	183	138	111
104	128	166	220	306	439	306	220	166	128	104
94	113	142	180	237	403	237	180	142	113	94

SN5650-PMO-0260-70°



94	111	111	132	157	183	157	132	111	111	94
109	129	157	192	234	292	234	192	157	129	109
123	148	188	241	293	355	293	241	188	148	123
133	164	213	284	384	628	384	284	213	164	133
135	166	215	287	390	628	390	287	215	166	135
108	151	191	246	317	578	317	246	191	151	108
87	132	161	198	242	424	242	198	161	132	87

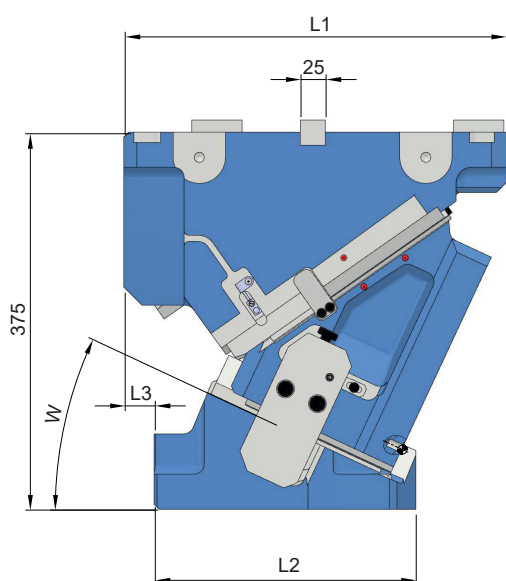


SN5650-PMO-0330-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	330 x 177 mm
Schieberbreite max.	<i>Cam unit width max.</i>	330 mm
Einbauhöhe	<i>Installation height</i>	375 mm
Schieberkraft	<i>Cam force</i>	> 912 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



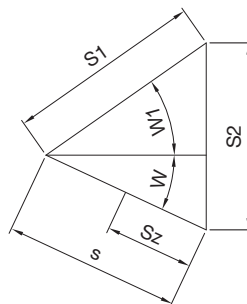
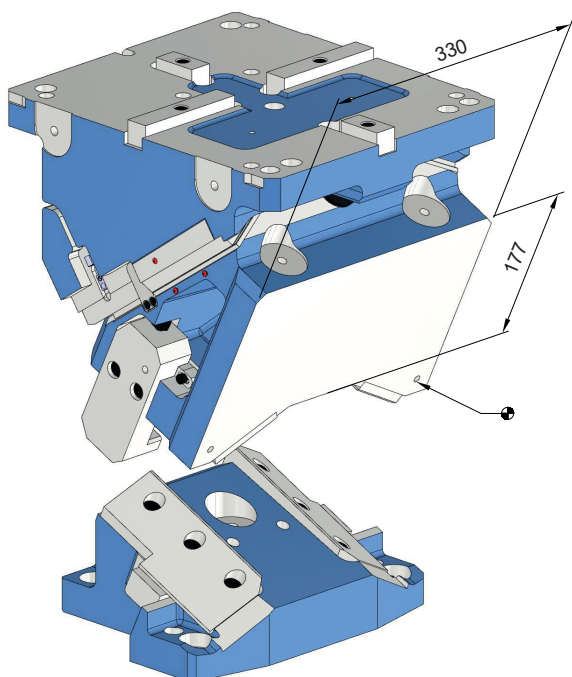
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



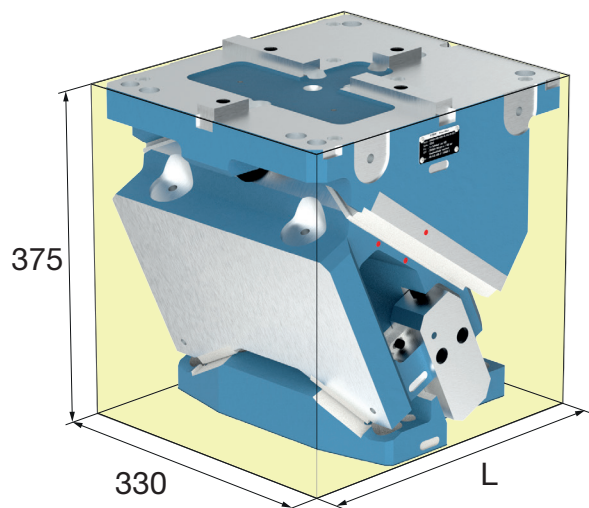
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

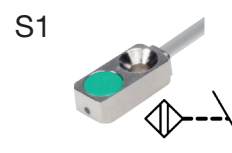
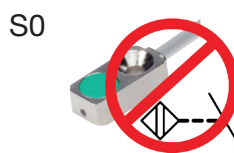
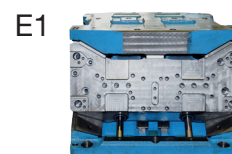
SN5650-PMO-0330-

Oben hängender Schieber

Aerial cam unit



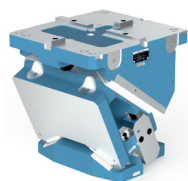
Mat.: EN-GJS-600-3 (GGG 60)



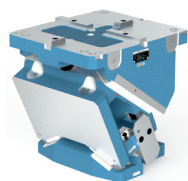
W = Schieberwinkel
Cam Angle
E = Einarbeitung
Machining

G = Gasdruckfeder
Gas spring
SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E0-G0-S0-V04
0°	E0	G0	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E0-G0-S1-V04
0°	E0	G1	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E0-G1-S0-V04
0°	E0	G1	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E0-G1-S1-V04
0°	E1	G0	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E1-G0-S0-V04
0°	E1	G0	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E1-G0-S1-V04
0°	E1	G1	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E1-G1-S0-V04
0°	E1	G1	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0330-00-E1-G1-S1-V04
5°	E0	G0	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E0-G0-S0-V04
5°	E0	G0	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E0-G0-S1-V04
5°	E0	G1	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E0-G1-S0-V04
5°	E0	G1	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E0-G1-S1-V04
5°	E1	G0	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E1-G0-S0-V04
5°	E1	G0	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E1-G0-S1-V04
5°	E1	G1	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E1-G1-S0-V04
5°	E1	G1	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0330-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0330-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0330-15-E1-G1-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
20°	E0	G0	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0330-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0330-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0330-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0330-35-E1-G1-S1-V04
40°	E0	G0	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E0-G0-S0-V04
40°	E0	G0	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E0-G0-S1-V04
40°	E0	G1	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E0-G1-S0-V04
40°	E0	G1	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E0-G1-S1-V04
40°	E1	G0	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E1-G0-S0-V04
40°	E1	G0	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E1-G0-S1-V04
40°	E1	G1	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E1-G1-S0-V04
40°	E1	G1	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0330-40-E1-G1-S1-V04
45°	E0	G0	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E0-G0-S0-V04
45°	E0	G0	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E0-G0-S1-V04
45°	E0	G1	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E0-G1-S0-V04
45°	E0	G1	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E0-G1-S1-V04
45°	E1	G0	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E1-G0-S0-V04
45°	E1	G0	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E1-G0-S1-V04
45°	E1	G1	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E1-G1-S0-V04
45°	E1	G1	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0330-45-E1-G1-S1-V04
50°	E0	G0	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E0-G0-S0-V04
50°	E0	G0	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E0-G0-S1-V04
50°	E0	G1	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E0-G1-S0-V04
50°	E0	G1	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E0-G1-S1-V04
50°	E1	G0	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E1-G0-S0-V04
50°	E1	G0	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E1-G0-S1-V04
50°	E1	G1	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E1-G1-S0-V04

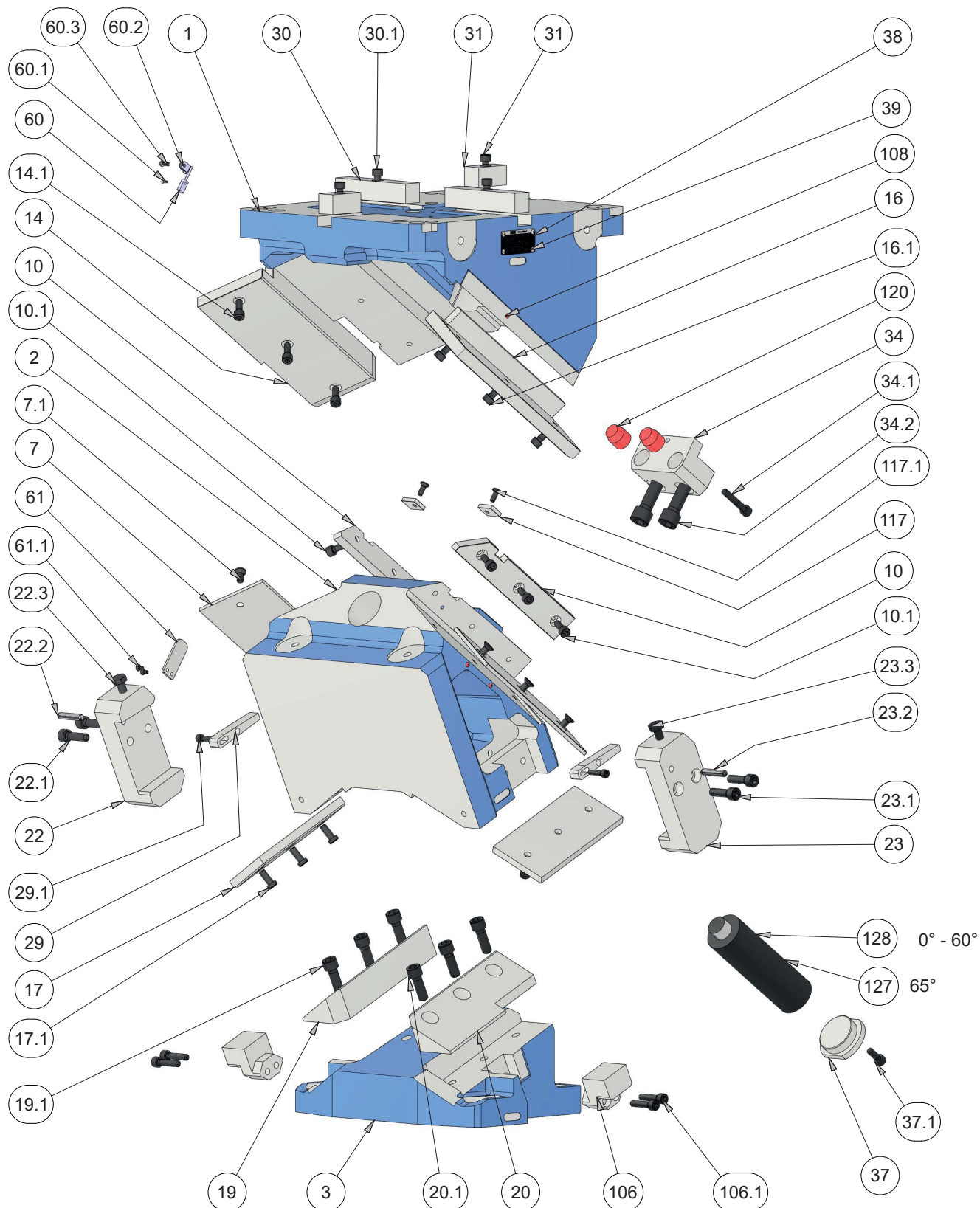


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0330-50-E1-G1-S1-V04
55°	E0	G0	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E0-G0-S0-V04
55°	E0	G0	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E0-G0-S1-V04
55°	E0	G1	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E0-G1-S0-V04
55°	E0	G1	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E0-G1-S1-V04
55°	E1	G0	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E1-G0-S0-V04
55°	E1	G0	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E1-G0-S1-V04
55°	E1	G1	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E1-G1-S0-V04
55°	E1	G1	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0330-55-E1-G1-S1-V04
60°	E0	G0	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E0-G0-S0-V04
60°	E0	G0	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E0-G0-S1-V04
60°	E0	G1	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E0-G1-S0-V04
60°	E0	G1	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E0-G1-S1-V04
60°	E1	G0	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E1-G0-S0-V04
60°	E1	G0	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E1-G0-S1-V04
60°	E1	G1	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E1-G1-S0-V04
60°	E1	G1	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0330-60-E1-G1-S1-V04
65°	E0	G0	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E0-G0-S0-V04
65°	E0	G0	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E0-G0-S1-V04
65°	E0	G1	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E0-G1-S0-V04
65°	E0	G1	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E0-G1-S1-V04
65°	E1	G0	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E1-G0-S0-V04
65°	E1	G0	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E1-G0-S1-V04
65°	E1	G1	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E1-G1-S0-V04
65°	E1	G1	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0330-65-E1-G1-S1-V04

SN5650-PMO-0330-

Bauteile

Components

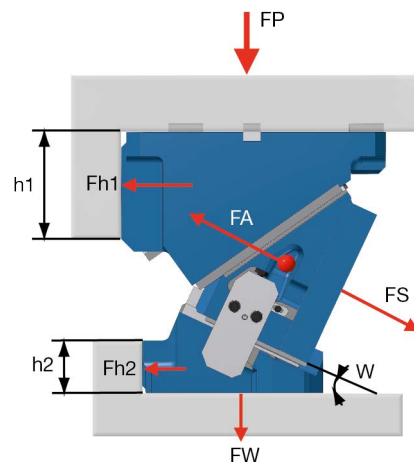


SN5650-PMO-0330-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	912	861	912	961	0	187	50	68
05°	948	898	873	813	67	182	65	71
10°	983	936	933	766	135	177	80	73
15°	1015	971	791	706	185	166	78	71
20°	1047	10105	748	647	236	154	75	68
25°	1076	1036	703	581	267	143	88	70
30°	1104	1068	658	516	298	132	100	72
35°	1155	1121	624	457	316	130	103	70
40°	1206	1174	590	398	334	127	106	67
45°	1227	1197	537	332	325	117	123	65
50°	1247	1221	485	265	316	107	139	63
55°	1292	1268	440	212	295	100	157	61
60°	1336	1315	394	158	274	92	175	58
65°	1286	1265	331	99	212	85	175	56



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0330-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-0330-0°

84	117	145	181	268	508	268	181	145	117	84
86	122	152	192	287	574	287	192	152	122	86
88	126	159	204	309	668	309	204	159	126	88
90	131	167	216	335	799	335	216	167	131	90
92	133	170	222	346	856	346	222	170	133	92
90	129	163	210	319	709	319	210	163	129	90
88	124	156	198	296	605	296	198	156	124	88
85	120	148	186	275	527	275	186	148	120	85
83	115	141	174	254	465	254	174	141	115	83

● F max. = 872 kN

68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68
68	81	90	100	113	130	113	100	90	81	68

SN5650-PMO-0330-10°

86	118	153	191	276	529	276	191	153	118	86
88	122	161	204	298	601	298	204	161	122	88
91	127	169	217	323	704	323	217	169	127	91
93	132	177	231	351	849	351	231	177	132	93
95	134	181	238	363	911	363	238	181	134	95
92	130	173	224	334	747	334	224	173	130	92
90	125	165	210	308	633	308	210	165	125	90
88	120	157	196	284	550	284	196	157	120	88
85	115	147	182	259	475	259	182	147	115	85

● F max. = 983 kN

74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	132	155	132	116	103	88	74
74	88	103	116	133	155	133	116	103	88	74

SN5650-PMO-0330-20°

86	114	145	188	260	480	260	188	145	114	86
90	121	156	205	290	564	290	205	156	121	90
93	127	165	222	319	659	319	222	165	127	93
95	132	174	238	348	784	348	238	174	132	95
97	137	182	254	381	968	381	254	182	137	97
97	137	181	251	372	895	372	251	181	137	97
96	132	173	235	341	737	341	235	173	132	96
93	127	165	219	312	626	312	219	165	127	93
90	122	155	202	283	536	283	202	155	122	90

● F max. = 1047 kN

81	97	115	135	156	185	156	135	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81
81	97	115	134	156	185	156	134	115	97	81

SN5650-PMO-0330-30°

88	114	141	180	234	484	234	180	141	114	88
92	122	154	198	267	583	267	198	154	122	92
96	129	165	217	303	709	303	217	165	129	96
100	136	176	236	340	903	340	236	176	136	100
102	139	181	245	357	994	357	245	181	139	102
99	133	171	226	319	766	319	226	171	133	99
95	127	160	208	283	623	283	208	160	127	95
91	119	148	189	247	516	247	189	148	119	91
86	111	135	169	215	419	215	169	135	111	86

● F max. = 1104 kN

88	107	126	150	179	223	179	150	126	107	88
89	107	126	149	179	223	179	149	126	107	89
89	107	126	149	178	223	178	149	126	107	89
89	107	126	149	178	223	178	149	126	107	89
89	107	126	149	178	223	178	149	126	107	89
89	107	126	149	178	223	178	149	126	107	89
89	107	126	149	178	223	178	149	126	107	89
89	107	126	149	179	223	179	149	126	107	89
89	107	126	149	179	223	179	149	126	107	89
86	107	126	150	180	223	180	150	126	107	86

SN5650-PMO-0330-

Schieberkräfte

Cam Force

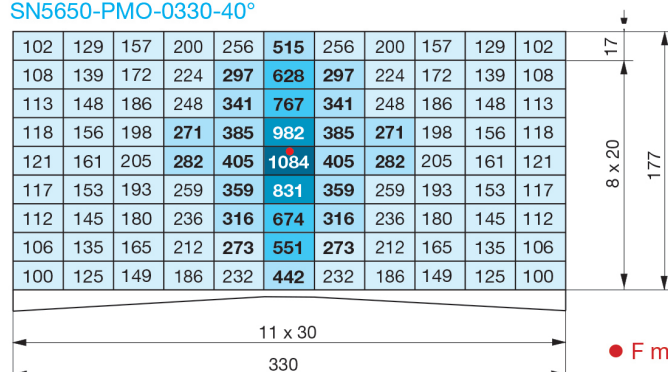
Abschulterung

Shouldering

Passfeder

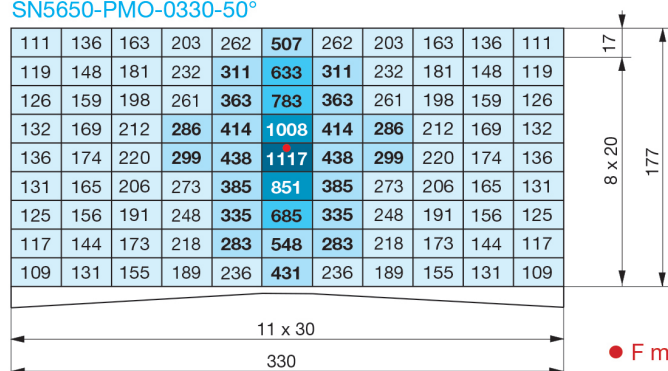
Fitting Key

SN5650-PMO-0330-40°



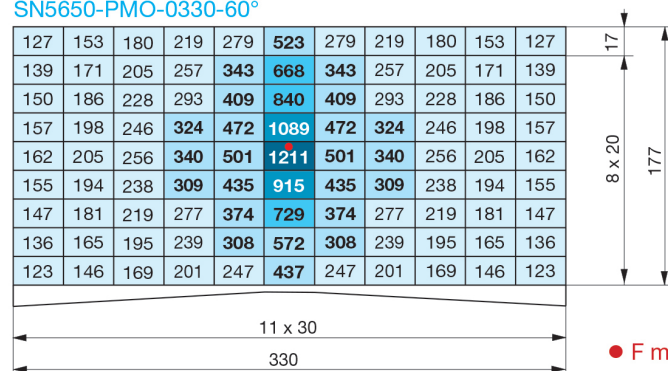
102	124	146	179	217	274	217	179	146	124	102
103	124	146	178	215	274	215	178	146	124	103
103	124	146	177	215	274	215	177	146	124	103
103	124	146	177	215	274	215	177	146	124	103
103	124	146	177	215	274	215	177	146	124	103
103	124	146	177	215	274	215	177	146	124	103
103	124	146	177	215	274	215	177	146	124	103
103	124	146	178	216	274	216	178	146	124	103
100	124	146	179	217	274	217	179	146	124	100

SN5650-PMO-0330-50°

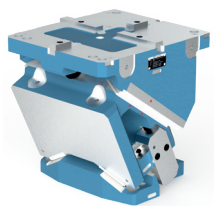


111	136	163	203	262	345	262	203	163	136	111
119	148	176	216	270	345	270	216	176	148	119
123	149	176	216	269	345	269	216	176	149	123
123	149	176	216	269	345	269	216	176	149	123
123	149	176	216	269	345	269	216	176	149	123
123	149	176	216	269	345	269	216	176	149	123
123	149	176	216	269	345	269	216	176	149	123
117	144	173	216	271	345	271	216	173	144	117
109	131	155	189	236	345	236	189	155	131	109

SN5650-PMO-0330-60°



127	153	180	219	279	455	279	219	180	153	127
139	171	205	257	343	455	343	257	205	171	139
150	186	226	277	353	455	353	277	226	186	150
157	191	226	277	353	455	353	277	226	191	157
159	191	226	277	353	455	353	277	226	191	159
155	191	226	277	353	455	353	277	226	191	155
147	181	219	277	353	455	353	277	219	181	147
130	165	195	239	308	455	308	239	195	165	130
113	146	169	201	247	437	247	201	169	146	113

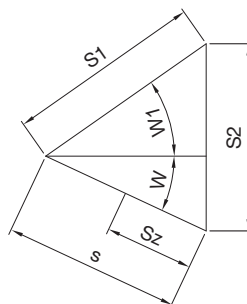
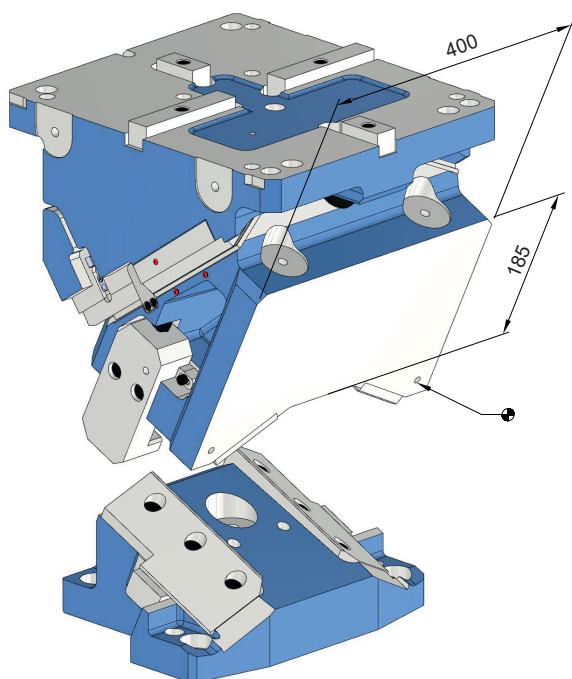
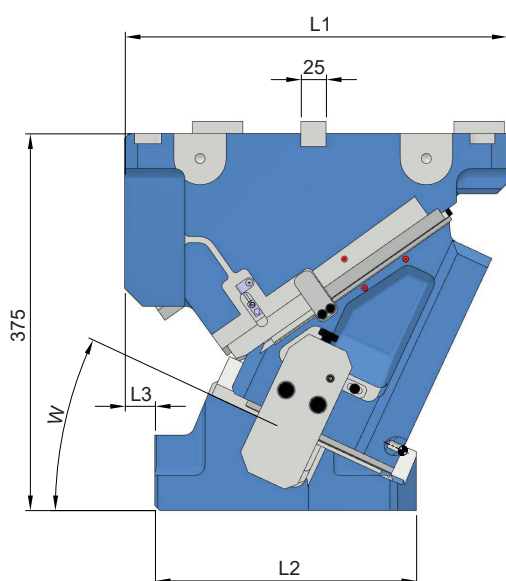


SN5650-PMO-0400-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	400 x 185 mm
Schieberbreite max.	<i>Cam unit width max.</i>	400 mm
Einbauhöhe	<i>Installation height</i>	375 mm
Schieberkraft	<i>Cam force</i>	> 1248 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

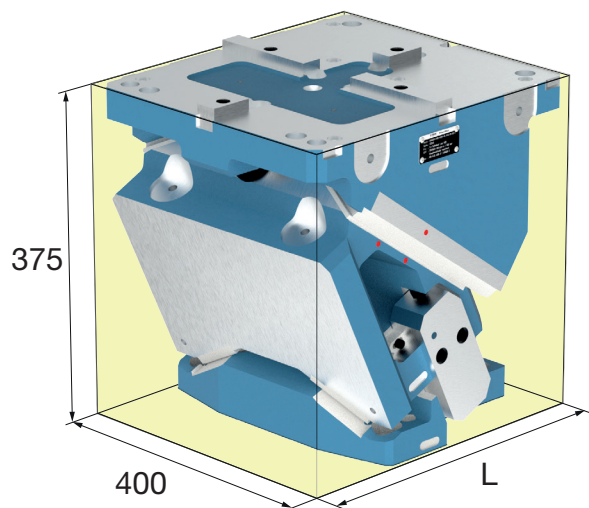
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

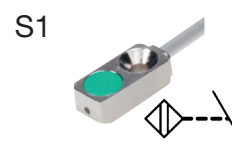
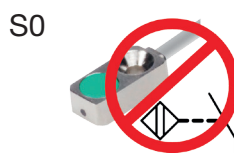
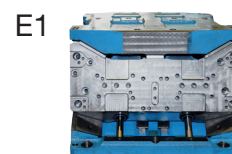
SN5650-PMO-0400-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



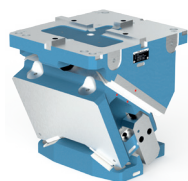
W = Schieberwinkel
Cam Angle

E = Einarbeitung
Machining

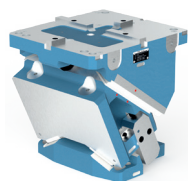
G = Gasdruckfeder
Gas spring

SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E0-G0-S0-V04
0°	E0	G0	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E0-G0-S1-V04
0°	E0	G1	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E0-G1-S0-V04
0°	E0	G1	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E0-G1-S1-V04
0°	E1	G0	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E1-G0-S0-V04
0°	E1	G0	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E1-G0-S1-V04
0°	E1	G1	S0	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E1-G1-S0-V04
0°	E1	G1	S1	355	47	35.5	52	38	21	355	290	65	SN5650-PMO-0400-00-E1-G1-S1-V04
5°	E0	G0	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E0-G0-S0-V04
5°	E0	G0	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E0-G0-S1-V04
5°	E0	G1	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E0-G1-S0-V04
5°	E0	G1	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E0-G1-S1-V04
5°	E1	G0	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E1-G0-S0-V04
5°	E1	G0	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E1-G0-S1-V04
5°	E1	G1	S0	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E1-G1-S0-V04
5°	E1	G1	S1	362.5	45	36.9	52	40	26	355	290	65	SN5650-PMO-0400-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	39.2	52	41.6	27	375	300	35	SN5650-PMO-0400-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	41.2	52	44.1	27	375	300	35	SN5650-PMO-0400-15-E1-G1-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
20°	E0	G0	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	44.2	52	46.4	32	380	260	30	SN5650-PMO-0400-20-E1-G1-S1-V04
25°	E0	G0	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E0-G0-S0-V04
25°	E0	G0	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E0-G0-S1-V04
25°	E0	G1	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E0-G1-S0-V04
25°	E0	G1	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E0-G1-S1-V04
25°	E1	G0	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E1-G0-S0-V04
25°	E1	G0	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E1-G0-S1-V04
25°	E1	G1	S0	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E1-G1-S0-V04
25°	E1	G1	S1	390	32	50.9	52	53	42	390	250	20	SN5650-PMO-0400-25-E1-G1-S1-V04
30°	E0	G0	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E0-G0-S0-V04
30°	E0	G0	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E0-G0-S1-V04
30°	E0	G1	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E0-G1-S0-V04
30°	E0	G1	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E0-G1-S1-V04
30°	E1	G0	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E1-G0-S0-V04
30°	E1	G0	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E1-G0-S1-V04
30°	E1	G1	S0	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E1-G1-S0-V04
30°	E1	G1	S1	380	35	47	52	49.7	37	380	260	30	SN5650-PMO-0400-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	49.7	47	52	42	390	250	20	SN5650-PMO-0400-35-E1-G1-S1-V04
40°	E0	G0	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E0-G0-S0-V04
40°	E0	G0	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E0-G0-S1-V04
40°	E0	G1	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E0-G1-S0-V04
40°	E0	G1	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E0-G1-S1-V04
40°	E1	G0	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E1-G0-S0-V04
40°	E1	G0	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E1-G0-S1-V04
40°	E1	G1	S0	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E1-G1-S0-V04
40°	E1	G1	S1	385	27	54.7	47	56.5	42	385	230	5	SN5650-PMO-0400-40-E1-G1-S1-V04
45°	E0	G0	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E0-G0-S0-V04
45°	E0	G0	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E0-G0-S1-V04
45°	E0	G1	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E0-G1-S0-V04
45°	E0	G1	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E0-G1-S1-V04
45°	E1	G0	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E1-G0-S0-V04
45°	E1	G0	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E1-G0-S1-V04
45°	E1	G1	S0	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E1-G1-S0-V04
45°	E1	G1	S1	385	25	60.2	47	62.5	47	385	230	5	SN5650-PMO-0400-45-E1-G1-S1-V04
50°	E0	G0	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E0-G0-S0-V04
50°	E0	G0	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E0-G0-S1-V04
50°	E0	G1	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E0-G1-S0-V04
50°	E0	G1	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E0-G1-S1-V04
50°	E1	G0	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E1-G0-S0-V04
50°	E1	G0	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E1-G0-S1-V04
50°	E1	G1	S0	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E1-G1-S0-V04

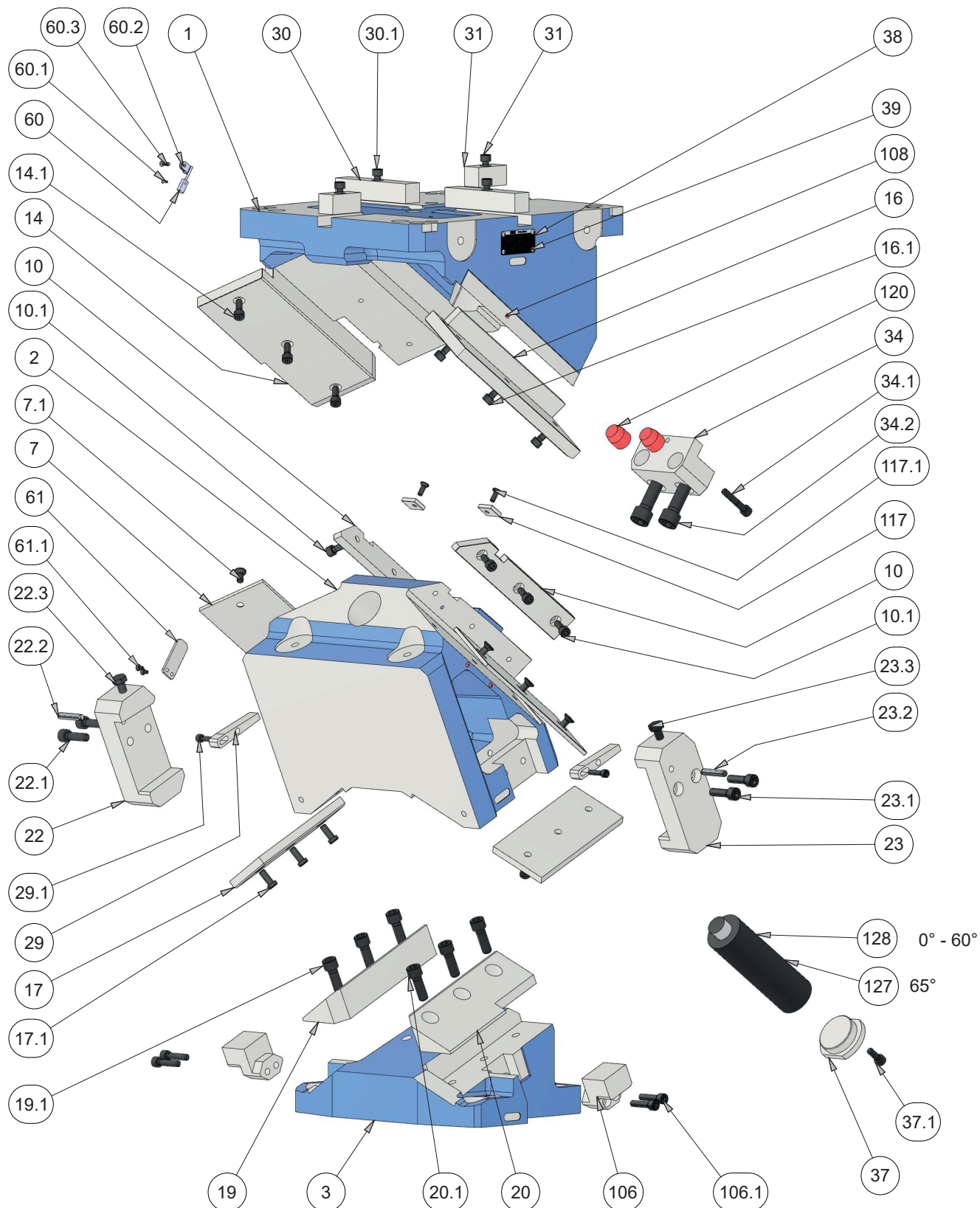


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S1	400	22	67.8	47	69.5	52	390	215	10	SN5650-PMO-0400-50-E1-G1-S1-V04
55°	E0	G0	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E0-G0-S0-V04
55°	E0	G0	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E0-G0-S1-V04
55°	E0	G1	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E0-G1-S0-V04
55°	E0	G1	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E0-G1-S1-V04
55°	E1	G0	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E1-G0-S0-V04
55°	E1	G0	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E1-G0-S1-V04
55°	E1	G1	S0	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E1-G1-S0-V04
55°	E1	G1	S1	400	20	68.8	42	70.7	52	390	215	10	SN5650-PMO-0400-55-E1-G1-S1-V04
60°	E0	G0	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E0-G0-S0-V04
60°	E0	G0	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E0-G0-S1-V04
60°	E0	G1	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E0-G1-S0-V04
60°	E0	G1	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E0-G1-S1-V04
60°	E1	G0	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E1-G0-S0-V04
60°	E1	G0	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E1-G0-S1-V04
60°	E1	G1	S0	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E1-G1-S0-V04
60°	E1	G1	S1	410	15	73.1	32	74.6	32	385	190	25	SN5650-PMO-0400-60-E1-G1-S1-V04
65°	E0	G0	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E0-G0-S0-V04
65°	E0	G0	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E0-G0-S1-V04
65°	E0	G1	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E0-G1-S0-V04
65°	E0	G1	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E0-G1-S1-V04
65°	E1	G0	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E1-G0-S0-V04
65°	E1	G0	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E1-G0-S1-V04
65°	E1	G1	S0	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E1-G1-S0-V04
65°	E1	G1	S1	410	17	70.8	37	72.1	32	385	190	25	SN5650-PMO-0400-65-E1-G1-S1-V04

SN5650-PMO-0400-

Bauteile

Components

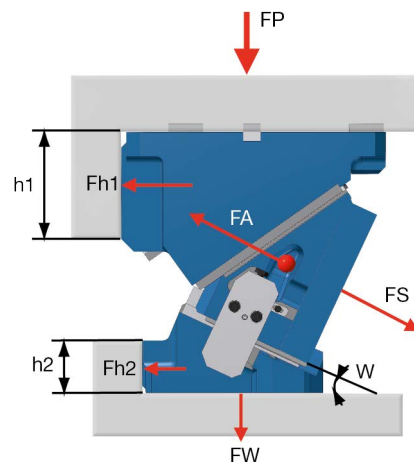


SN5650-PMO-0400-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	1248	1174	1248	1174	0	190	50	65
05°	1297	1226	1194	1109	92	180	65	69
10°	1345	1278	1140	1044	184	170	80	73
15°	1389	1325	1083	963	253	160	78	75
20°	1433	1373	1025	883	321	150	75	77
25°	1471	1415	963	792	363	140	88	75
30°	1509	1457	901	702	405	130	100	73
35°	1542	1493	836	610	420	125	100	71
40°	1574	1530	771	518	435	120	100	69
45°	1640	1598	718	440	432	110	115	67
50°	1705	1667	666	361	430	100	130	64
55°	1766	1732	603	288	401	95	153	62
60°	1826	1796	541	215	372	90	175	59
65°	1846	1814	478	141	302	90	175	57



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0400-

Schieberkräfte

Cam Force

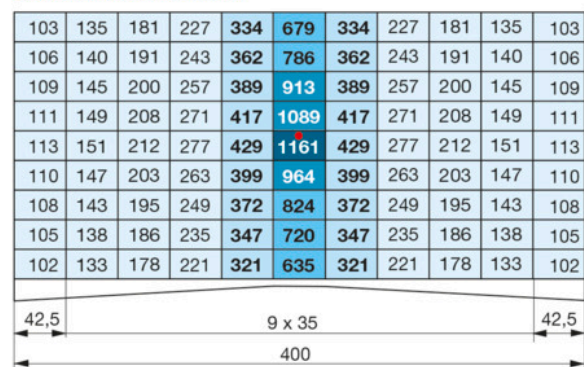
Abschulterung

Shouldering

Passfeder

Fitting Key

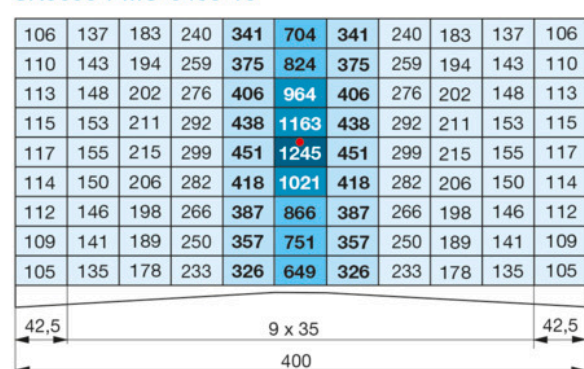
SN5650-PMO-0400-0°



● F max. = 1248 kN

65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	126	156	126	107	92	77	65
65	77	92	107	127	156	127	107	92	77	65

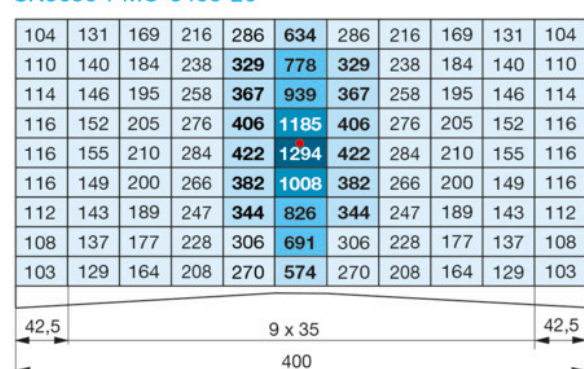
SN5650-PMO-0400-10°



● F max. = 1345 kN

71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71
71	85	102	123	148	185	148	123	102	85	71

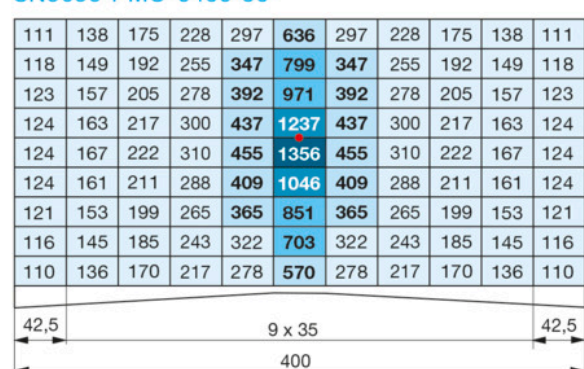
SN5650-PMO-0400-20°



● F max. = 1433 kN

75	90	108	132	166	221	166	132	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	131	165	221	165	131	108	90	75
75	90	108	132	165	221	165	132	108	90	75
75	90	108	133	166	221	166	133	108	90	75

SN5650-PMO-0400-30°



● F max. = 1509 kN

85	101	123	156	197	266	197	156	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	154	195	266	195	154	123	101	85
85	101	123	155	196	266	196	155	123	101	85
85	101	123	156	197	266	197	156	123	101	85

SN5650-PMO-0400-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-0400-40°

118	145	177	224	292	589	292	224	177	145	118
127	159	198	259	352	766	352	259	198	159	127
133	169	215	287	405	941	405	287	215	169	133
133	177	229	313	457	1189	457	313	229	177	133
133	181	242	337	509	1538	509	337	242	181	133
133	178	229	312	454	1151	454	312	229	178	133
133	170	215	287	402	919	402	287	215	170	133
129	160	200	260	350	749	350	260	200	160	129
121	148	181	229	298	595	298	229	181	148	121

● F max. = 1574 kN

96	116	141	180	237	326	237	180	141	116	96
96	116	141	180	235	326	235	180	141	116	96
96	116	141	180	234	326	234	180	141	116	96
96	116	141	180	234	326	234	180	141	116	96
96	116	141	180	234	326	234	180	141	116	96
96	116	141	180	234	326	234	180	141	116	96
96	116	141	180	234	326	234	180	141	116	96
96	116	141	180	235	326	235	180	141	116	96
96	116	141	180	237	326	237	180	141	116	96

SN5650-PMO-0400-50°

143	172	206	256	335	661	335	256	206	172	143
156	191	233	299	409	867	409	299	233	191	156
157	204	253	333	474	1073	474	333	253	204	157
157	210	270	364	538	1381	538	364	270	210	157
157	210	279	377	565	1523	565	377	279	210	157
157	210	262	347	499	1160	499	347	262	210	157
157	199	244	316	437	935	437	316	244	199	157
152	184	222	279	371	746	371	279	222	184	152
141	168	199	243	311	586	311	243	199	168	141

● F max. = 1705 kN

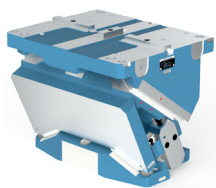
117	140	170	217	295	411	295	217	170	140	117
117	140	170	217	292	411	292	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	291	411	291	217	170	140	117
117	140	170	217	294	411	294	217	170	140	117
117	140	170	217	296	411	296	217	170	140	117

SN5650-PMO-0400-60°

170	199	234	283	361	691	361	283	234	199	170
188	223	269	337	451	915	451	337	269	223	188
194	242	296	380	532	1146	532	380	296	242	194
194	256	318	418	608	1478	608	418	318	256	194
194	259	328	434	641	1632	641	434	328	259	194
194	250	307	397	562	1241	562	397	307	250	194
194	234	283	358	487	992	487	358	283	234	194
182	214	254	312	404	783	404	312	254	214	182
162	193	224	268	334	611	334	268	224	193	162

● F max. = 1826 kN

148	177	216	275	361	541	361	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
148	177	216	275	378	541	378	275	216	177	148
141	177	216	268	334	541	334	268	216	177	141

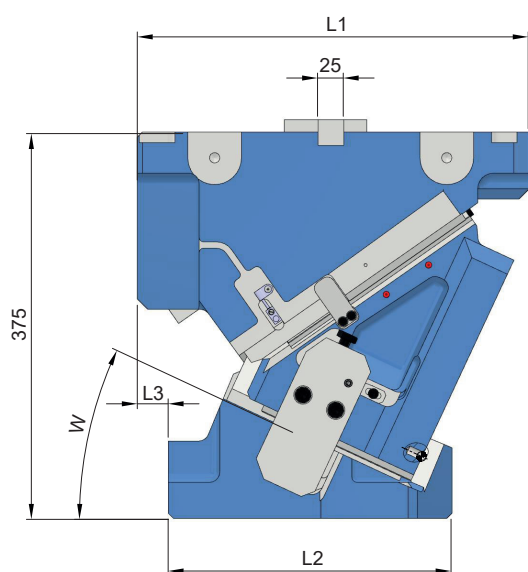


SN5650-PMO-0460-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	460 x 177 mm
Schieberbreite max.	Cam unit width max.	460 mm
Einbauhöhe	Installation height	375 mm
Schieberkraft	Cam force	> 1253 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



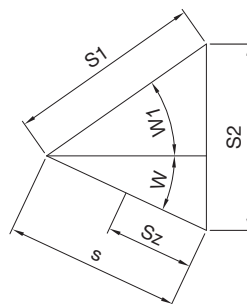
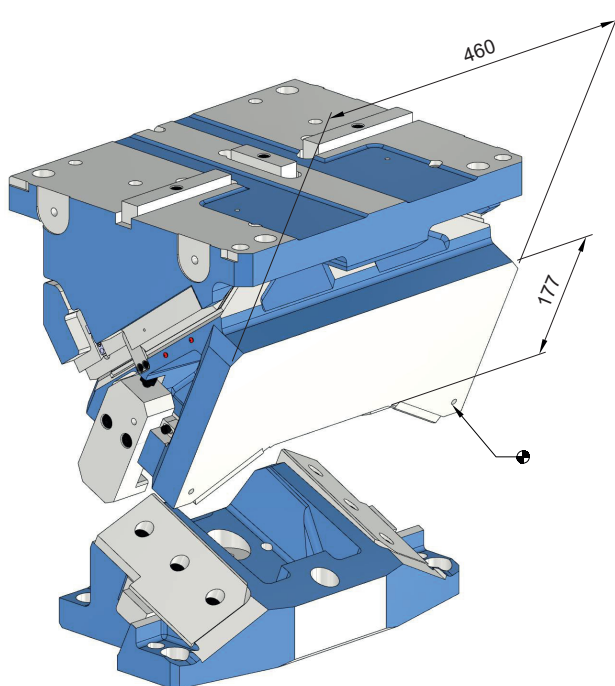
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



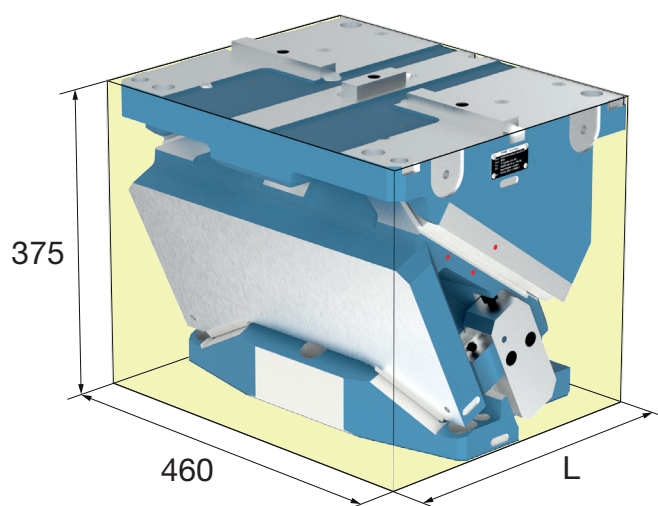
Sz = Eingriffs-länge Aktivrückzug

Sz = Engagement length of activ return

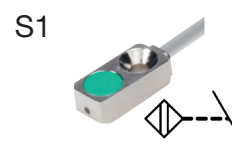
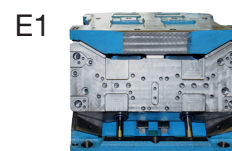
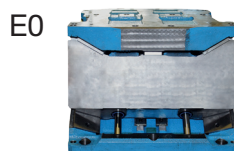
SN5650-PMO-0460-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



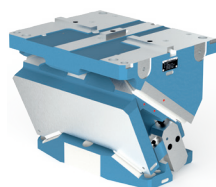
W = Schieberwinkel
Cam Angle

E = Einarbeitung
Machining

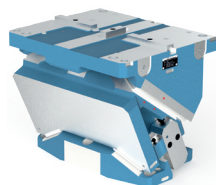
G = Gasdruckfeder
Gas spring

SE = Sensor
Sensor

W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	35.5	52	38	26	360	300	65	SN5650-PMO-0460-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	36.9	52	40	26	360	300	65	SN5650-PMO-0460-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	39.2	52	41.6	27	375	310	35	SN5650-PMO-0460-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E1-G1-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G1	S1	375	40	41.2	52	44.1	27	375	310	35	SN5650-PMO-0460-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	44.2	52	46.4	32	380	275	30	SN5650-PMO-0460-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	47	52	49.7	37	380	275	30	SN5650-PMO-0460-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	50.9	52	53	42	390	265	20	SN5650-PMO-0460-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	49.7	47	52	42	390	265	20	SN5650-PMO-0460-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	54.7	47	56.5	47	395	260	0	SN5650-PMO-0460-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	60.2	47	62.5	47	395	260	0	SN5650-PMO-0460-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G0-S1-V04

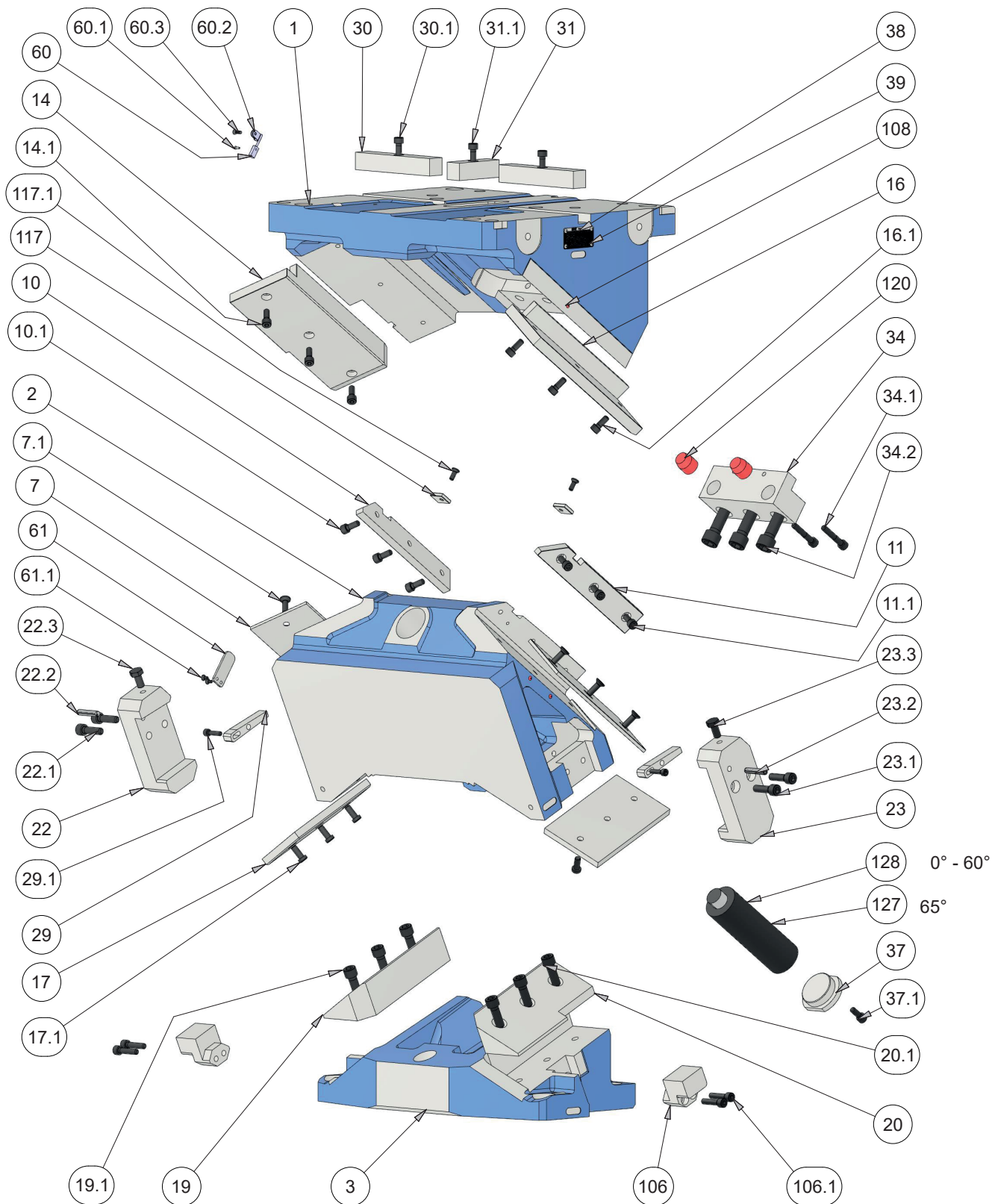


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S0	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G1-S1-V04
55°	E0	G0	S0	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E0-G0-S0-V04
55°	E0	G0	S1	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E0-G0-S1-V04
55°	E0	G1	S0	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E0-G1-S0-V04
55°	E0	G1	S1	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E0-G1-S1-V04
55°	E1	G0	S0	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E1-G0-S0-V04
55°	E1	G0	S1	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E1-G0-S1-V04
55°	E1	G1	S0	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E1-G1-S0-V04
55°	E1	G1	S1	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E1-G1-S1-V04
60°	E0	G0	S0	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E0-G0-S0-V04
60°	E0	G0	S1	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E0-G0-S1-V04
60°	E0	G1	S0	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E0-G1-S0-V04
60°	E0	G1	S1	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E0-G1-S1-V04
60°	E1	G0	S0	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E1-G0-S0-V04
60°	E1	G0	S1	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E1-G0-S1-V04
60°	E1	G1	S0	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E1-G1-S0-V04
60°	E1	G1	S1	415	17	68.8	42	70.7	52	395	250	20	SN5650-PMO-0460-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	73.1	32	74.6	52	395	225	30	SN5650-PMO-0460-65-E1-G1-S1-V04

SN5650-PMO-0460-

Bauteile

Components



Ersatzteilstückliste je Schieber unter www.strack.de

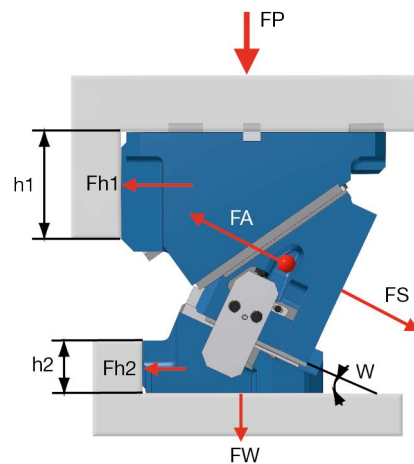
Sparepart lists under www.strack.de

SN5650-PMO-0460-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN] Stan- dard	FA [kN]
00°	1253	1193	1268	1193	-15	190	50	68	83
05°	1303	1245	1214	1128	79	180	65	76	91
10°	1352	1298	1159	1064	172	170	80	83	98
15°	1397	1347	1100	983	242	164	78	91	106
20°	1441	1395	1042	902	312	157	75	99	113
25°	1480	1438	979	812	356	146	88	93	111
30°	1519	1481	916	721	399	135	100	98	114
35°	1590	1555	869	641	425	133	100	98	111
40°	1661	1628	821	561	451	130	100	97	112
45°	1689	1661	749	470	439	120	116	95	113
50°	1717	1694	676	378	427	110	132	92	113
55°	1779	1759	613	305	399	100	151	90	111
60°	1841	1825	550	231	370	90	170	87	108
65°	1861	1843	486	157	300	90	165	86	107



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0460-

Schieberkräfte

Cam Force

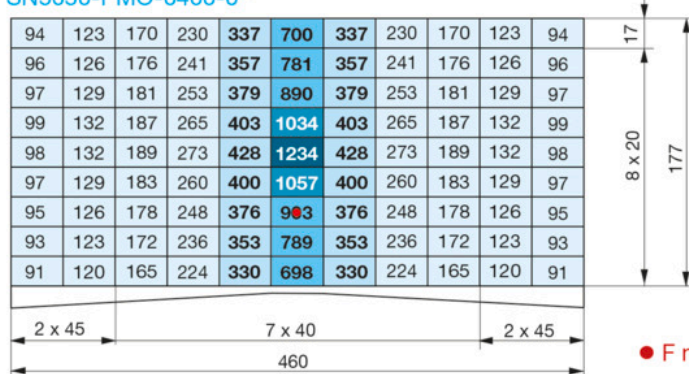
Abschulterung

Shouldering

Passfeder

Fitting Key

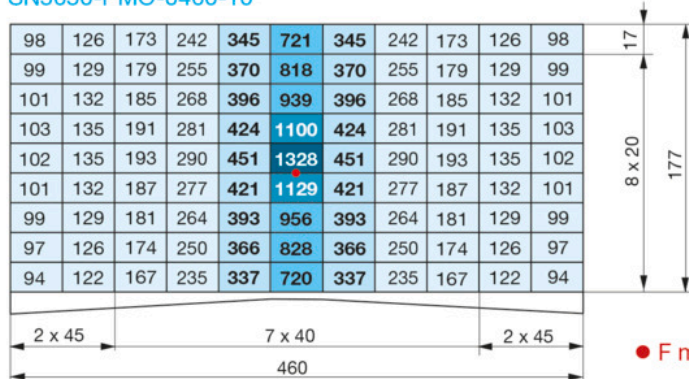
SN5650-PMO-0460-0°



● F max. = 1253 kN

57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57
57	68	83	98	115	141	115	98	83	68	57

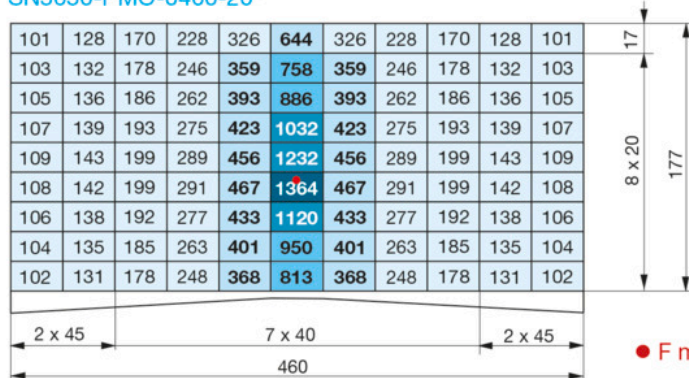
SN5650-PMO-0460-10°



● F max. = 1352 kN

61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61
61	73	90	113	136	170	136	113	90	73	61

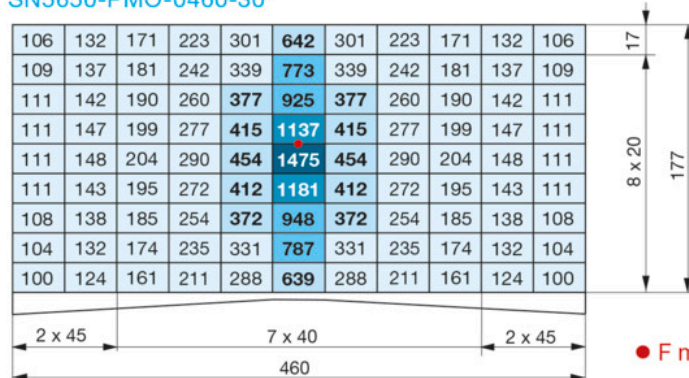
SN5650-PMO-0460-20°



● F max. = 1441 kN

67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67
67	80	99	128	161	206	161	128	99	80	67

SN5650-PMO-0460-30°



● F max. = 1519 kN

81	97	118	149	190	251	190	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	189	251	189	149	118	97	81
81	97	118	149	190	251	190	149	118	97	81
81	97	118	149	191	251	191	149	118	97	81

SN5650-PMO-0460-

Schieberkräfte

Cam Force

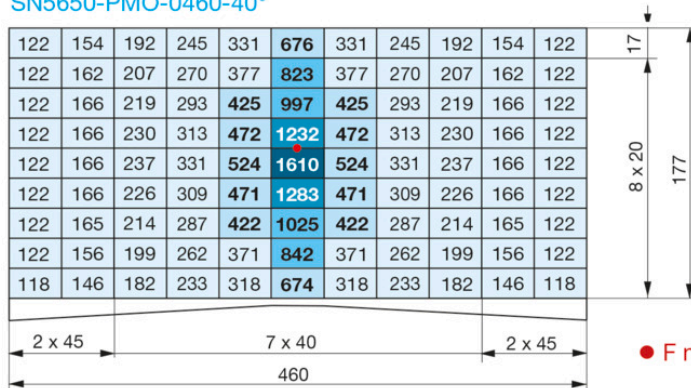
Abschulterung

Shouldering

Passfeder

Fitting Key

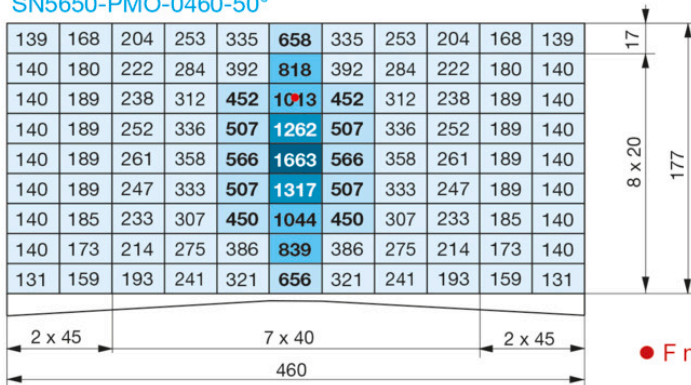
SN5650-PMO-0460-40°



● F max. = 1661 kN

84	101	125	161	221	311	221	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	219	311	219	161	125	101	84
84	101	125	161	221	311	221	161	125	101	84

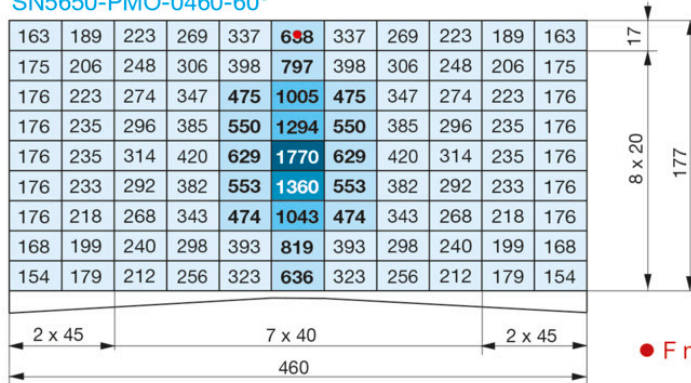
SN5650-PMO-0460-50°



● F max. = 1717 kN

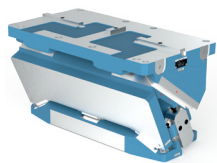
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101
101	122	151	195	275	396	275	195	151	122	101

SN5650-PMO-0460-60°



● F max. = 1841 kN

148	176	216	269	337	526	337	269	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	216	273	371	526	371	273	216	176	148
148	176	212	256	323	526	323	256	212	176	148

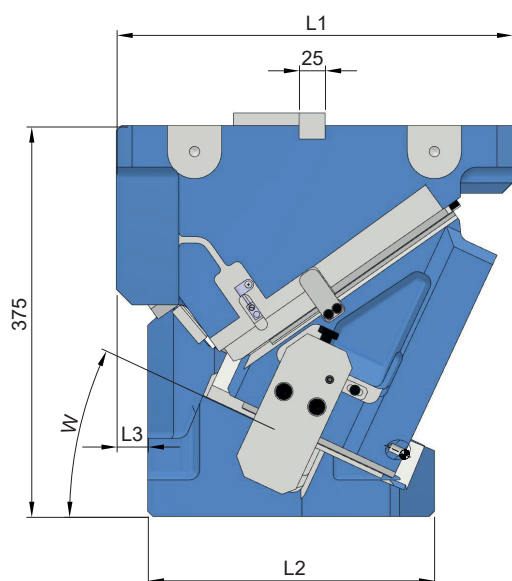


SN5650-PMO-0580-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	580 x 177 mm
Schieberbreite max.	Cam unit width max.	580 mm
Einbauhöhe	Installation height	375 mm
Schieberkraft	Cam force	1500 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



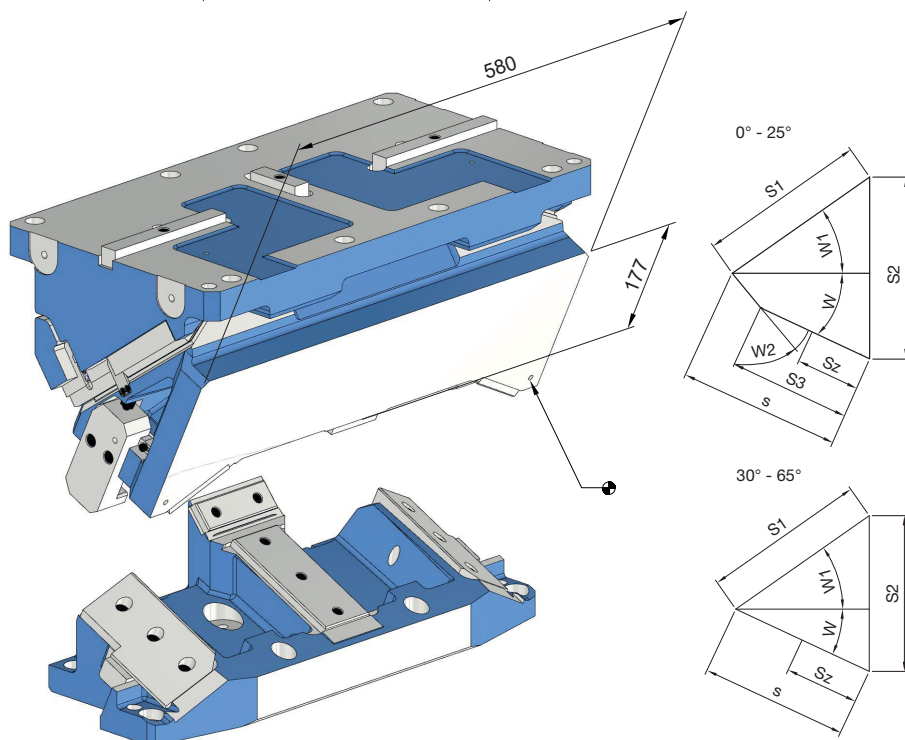
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

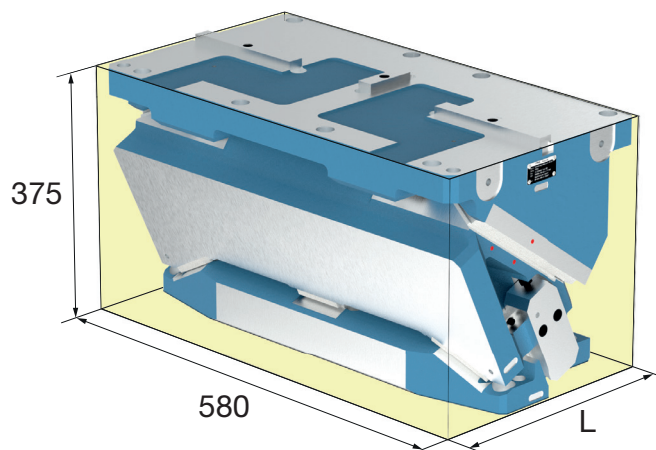


Sz = Eingriffs-länge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

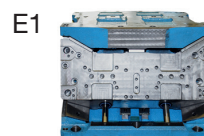
Sz = Engagement length of activ return, 0° - 25° with pre-acceleration, 30° - 65° without pre-acceleration

SN5650-PMO-0580-

Oben hängender Schieber



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

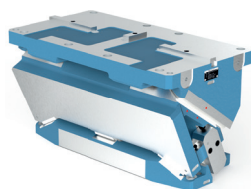
G = Gasdruckfeder

Gas spring

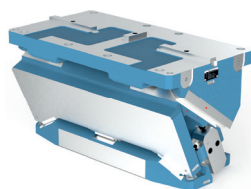
SE = Sensor

Sensor

W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0580-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0580-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0580-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0580-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E0-G0-S1-V04



W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E0	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0580-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0580-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0580-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0580-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0580-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0580-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E1-G0-S1-V04
50°	E1	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0580-50-E1-G1-S1-V04
55°	E0	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E0-G0-S0-V04

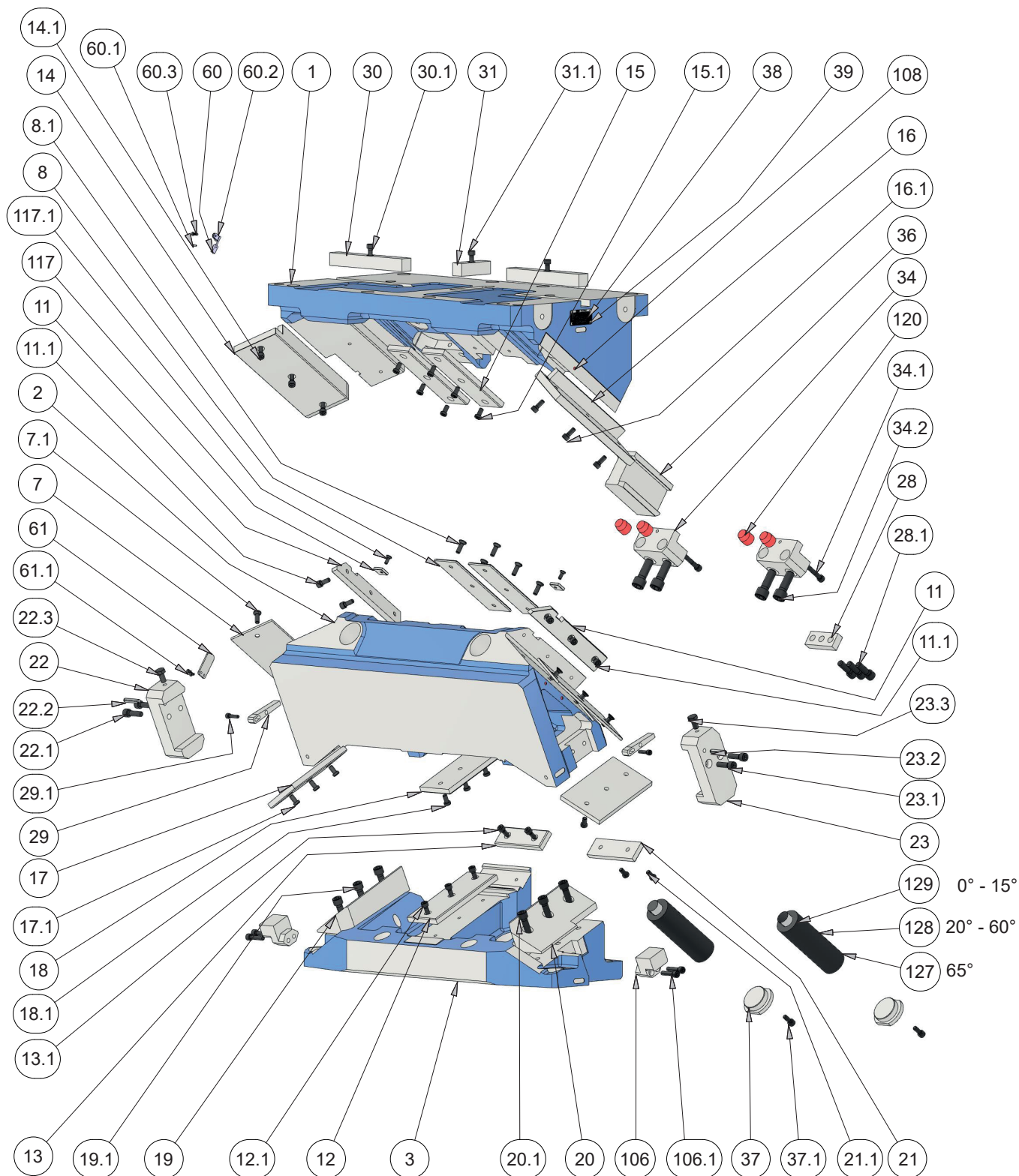


W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
55°	E0	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E0-G0-S1-V04
55°	E0	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E0-G1-S0-V04
55°	E0	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E0-G1-S1-V04
55°	E1	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E1-G0-S0-V04
55°	E1	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E1-G0-S1-V04
55°	E1	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E1-G1-S0-V04
55°	E1	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0580-55-E1-G1-S1-V04
60°	E0	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E0-G0-S0-V04
60°	E0	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E0-G0-S1-V04
60°	E0	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E0-G1-S0-V04
60°	E0	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E0-G1-S1-V04
60°	E1	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E1-G0-S0-V04
60°	E1	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E1-G0-S1-V04
60°	E1	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E1-G1-S0-V04
60°	E1	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0580-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0580-65-E1-G1-S1-V04

SN5650-PMO-0580-

Bauteile

Components



Ersatzteilstückliste je Schieber unter www.strack.de

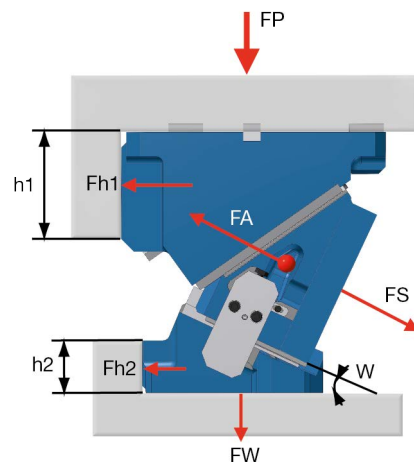
Sparepart lists under www.strack.de

SN5650-PMO-0580-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN] Stan- dard	FA [kN]
00°	1500	1447	1530	1447	-30	190	50	78	102
05°	1500	1454	1413	1324	76	180	65	83	111
10°	1500	1461	1296	1201	181	170	80	89	119
15°	1500	1467	1194	1081	249	163	78	94	126
20°	1500	1474	1092	961	318	155	75	100	132
25°	1500	1479	1001	847	353	145	88	100	141
30°	1500	1484	910	734	389	135	100	100	150
35°	1500	1489	827	632	397	133	100	100	148
40°	1500	1493	744	529	405	130	100	100	146
45°	1500	1497	667	441	389	120	115	100	143
50°	1500	1502	591	353	373	110	130	100	140
55°	1500	1505	518	281	339	100	148	100	137
60°	1500	1509	446	210	304	90	165	100	139
65°	1500	1507	388	148	245	90	165	100	138



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0580-

Schieberkräfte

Cam Force

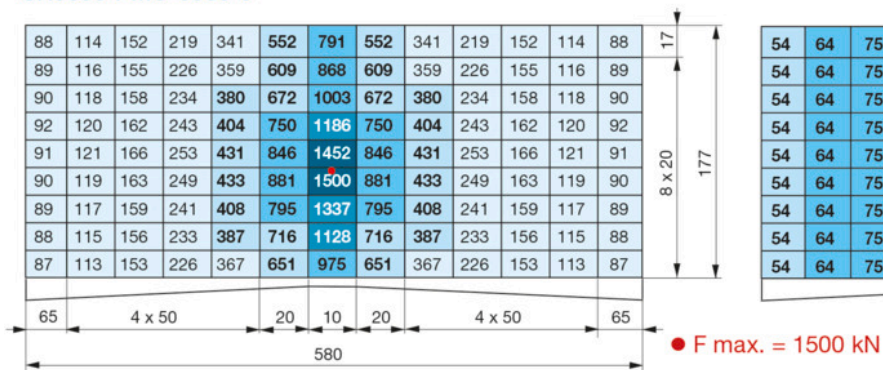
Abschulterung

Shouldering

Passfeder

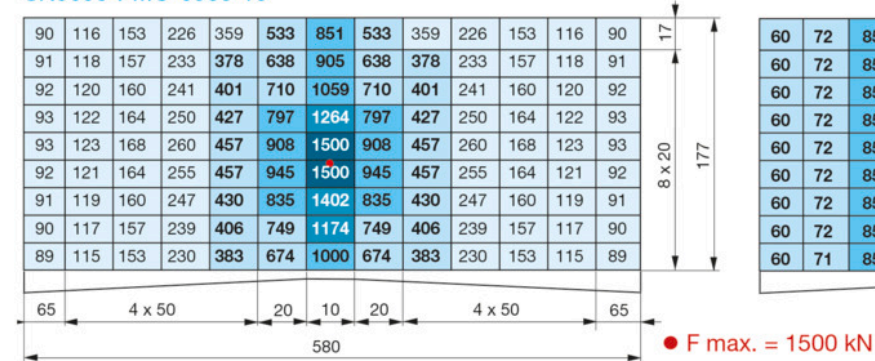
Fitting Key

SN5650-PMO-0580-0°



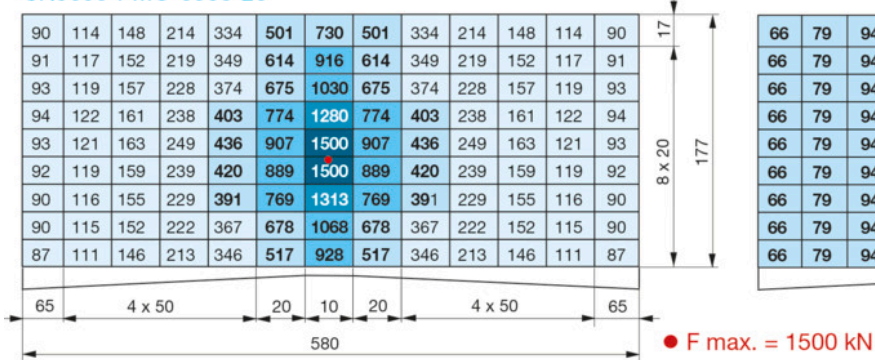
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54
54	64	75	86	102	118	125	118	102	86	75	64	54

SN5650-PMO-0580-10°



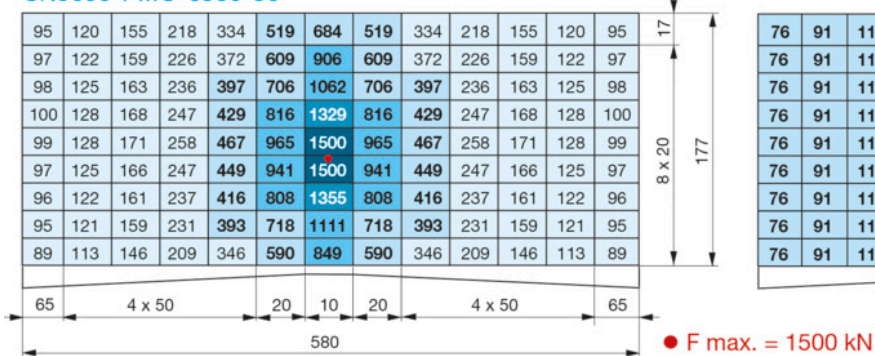
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	72	85	103	125	146	157	146	125	103	85	72	60
60	71	85	103	125	146	157	146	125	103	85	71	60

SN5650-PMO-0580-20°



66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66
66	79	94	116	145	177	195	177	145	116	94	79	66

SN5650-PMO-0580-30°



76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76
76	91	110	138	177	219	243	219	177	138	110	91	76

SN5650-PMO-0580-

Schieberkräfte

Cam Force

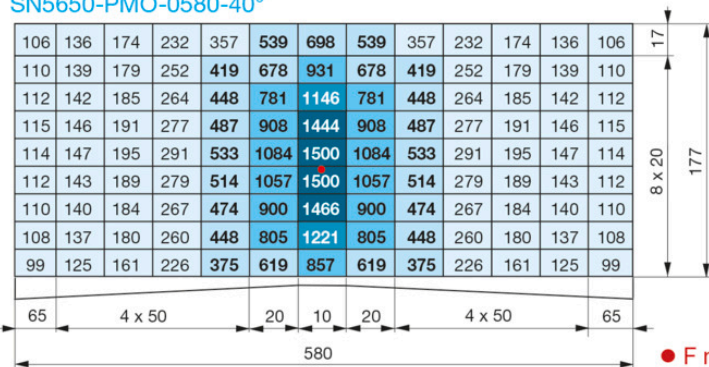
Abschulterung

Shouldering

Passfeder

Fitting Key

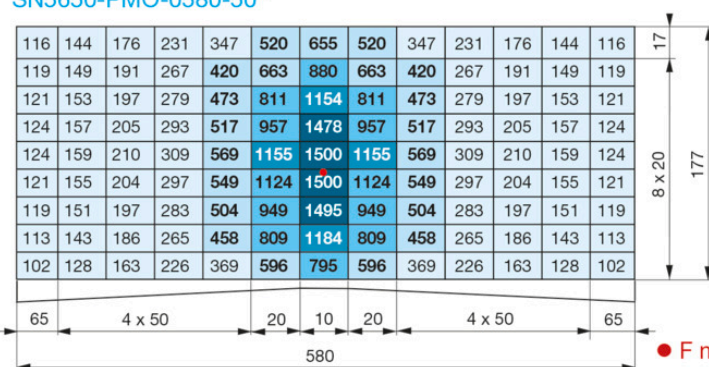
SN5650-PMO-0580-40°



● F max. = 1500 kN

90	108	131	165	219	274	307	274	219	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90
90	108	131	165	218	273	307	273	218	165	131	108	90

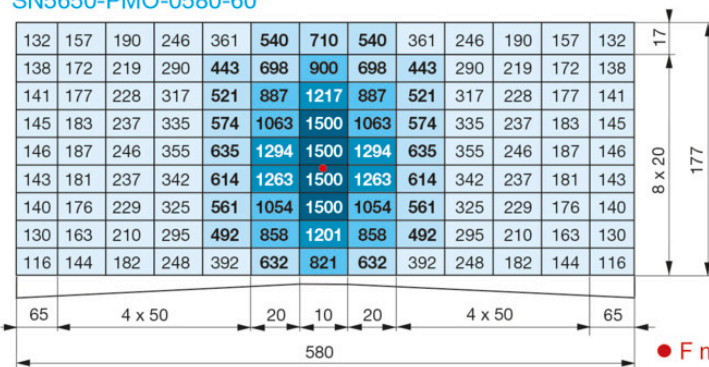
SN5650-PMO-0580-50°



● F max. = 1500 kN

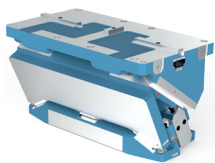
111	133	161	204	277	353	396	353	277	204	161	133	111
111	133	161	204	277	352	396	352	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
111	133	161	204	277	351	396	351	277	204	161	133	111
102	128	161	204	277	352	396	352	277	204	161	128	102

SN5650-PMO-0580-60°



● F max. = 1500 kN

132	157	190	246	361	475	533	475	361	246	190	157	132
138	172	212	268	364	473	533	473	364	268	212	172	138
141	175	212	268	364	472	533	472	364	268	212	175	141
145	175	212	268	364	472	533	472	364	268	212	175	145
146	175	212	268	364	472	533	472	364	268	212	175	146
143	175	212	268	364	472	533	472	364	268	212	175	143
140	175	212	268	364	472	533	472	364	268	212	175	140
130	163	210	268	364	472	533	472	364	268	210	163	130
116	144	182	248	364	473	533	473	364	248	182	144	116

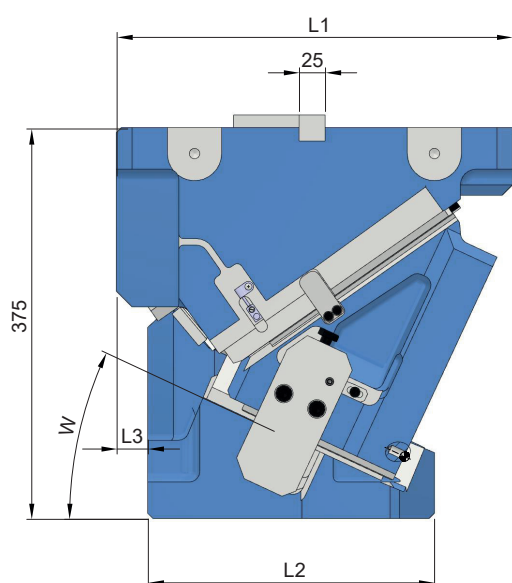


SN5650-PMO-0700-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	700 x 177 mm
Schieberbreite max.	Cam unit width max.	700 mm
Einbauhöhe	Installation height	375 mm
Schieberkraft	Cam force	1750 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



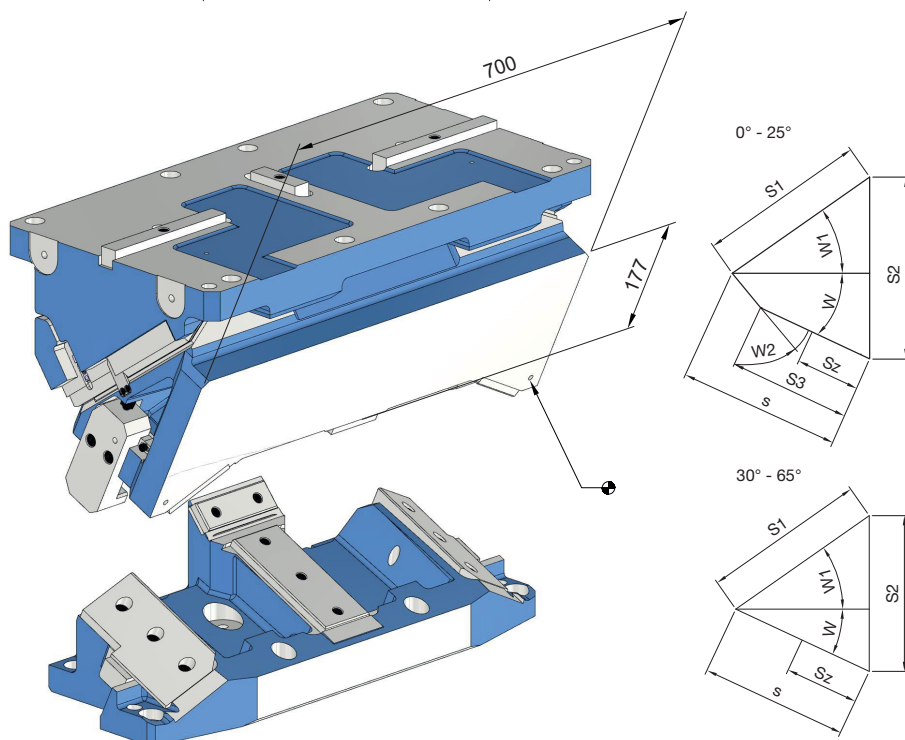
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended

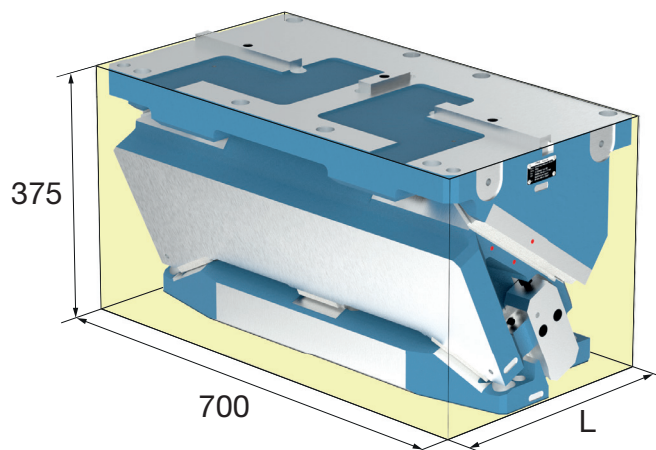


Sz = Eingriffslänge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

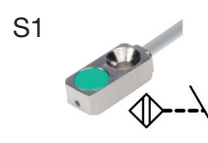
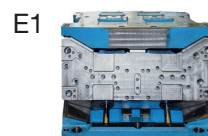
Sz = Engagement length of activ return, 0° - 25° with pre-acceleration, 30° - 65° without pre-acceleration

SN5650-PMO-0700-

Oben hängender Schieber



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

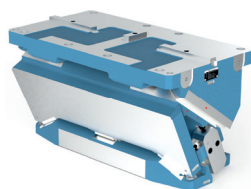
G = Gasdruckfeder

Gas spring

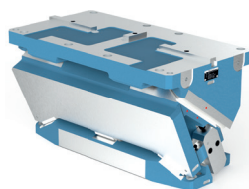
SE = Sensor

Sensor

W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0700-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0700-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0700-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0700-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E0-G0-S1-V04



W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E0	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0700-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0700-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0700-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0700-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0700-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0700-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E1-G0-S1-V04
50°	E1	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0700-50-E1-G1-S1-V04
55°	E0	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E0-G0-S0-V04

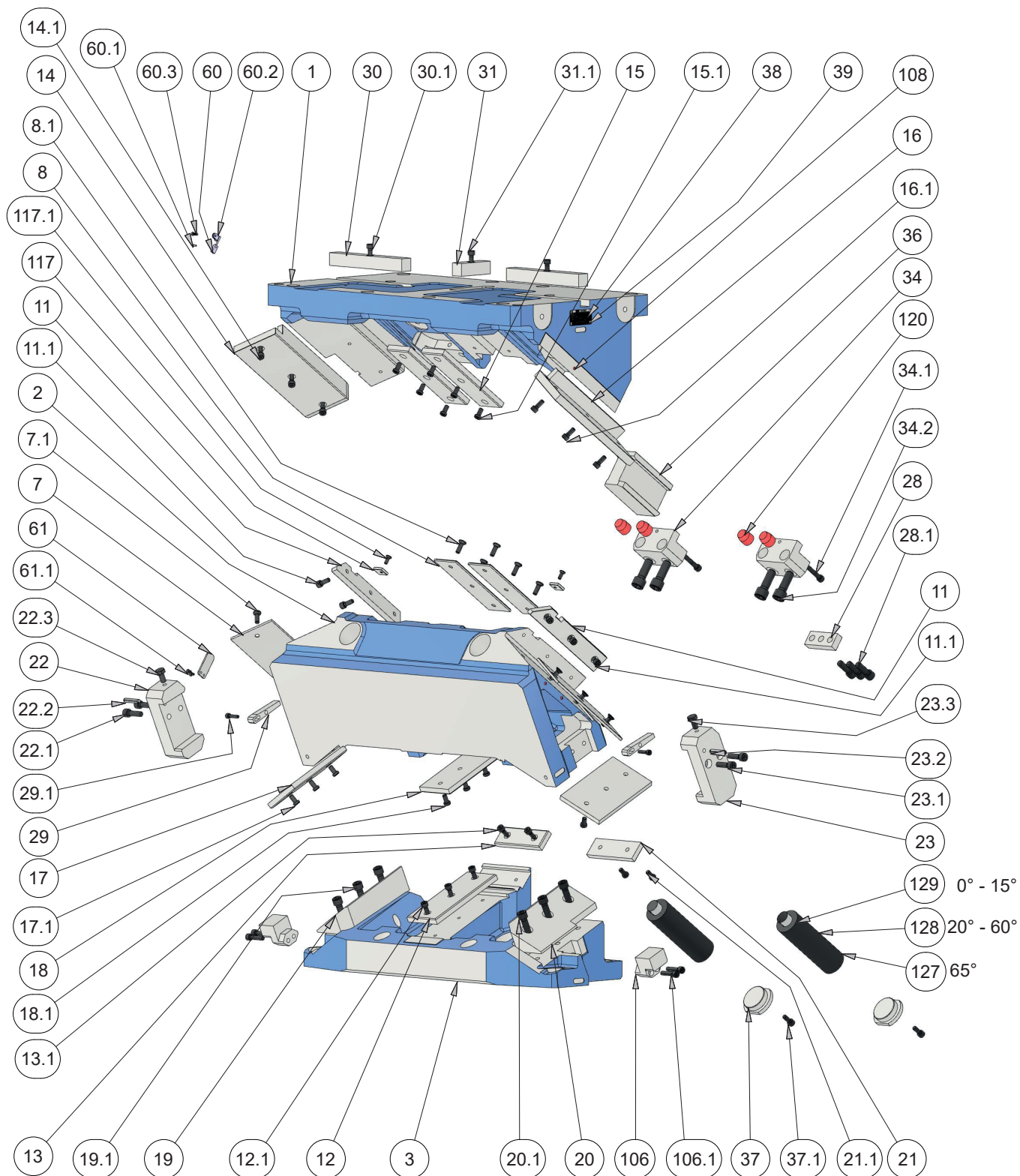


W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
55°	E0	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E0-G0-S1-V04
55°	E0	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E0-G1-S0-V04
55°	E0	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E0-G1-S1-V04
55°	E1	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E1-G0-S0-V04
55°	E1	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E1-G0-S1-V04
55°	E1	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E1-G1-S0-V04
55°	E1	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0700-55-E1-G1-S1-V04
60°	E0	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E0-G0-S0-V04
60°	E0	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E0-G0-S1-V04
60°	E0	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E0-G1-S0-V04
60°	E0	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E0-G1-S1-V04
60°	E1	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E1-G0-S0-V04
60°	E1	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E1-G0-S1-V04
60°	E1	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E1-G1-S0-V04
60°	E1	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0700-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0700-65-E1-G1-S1-V04

SN5650-PMO-0700-

Bauteile

Components



Ersatzteilstückliste je Schieber unter www.strack.de

Sparepart lists under www.strack.de

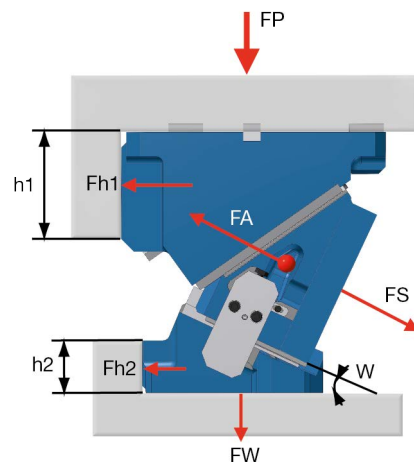
D 1801D 06.2022

SN5650-PMO-0700-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]	FA [kN]
00°	1750	1680	1780	1680	-30	190	50	78	102
05°	1750	1689	1644	1537	93	180	65	83	111
10°	1750	1697	1508	1393	215	170	80	89	119
15°	1750	1704	1390	1253	294	163	78	94	126
20°	1750	1712	1271	1113	373	155	75	100	132
25°	1750	1718	1166	981	414	145	88	100	141
30°	1750	1724	1060	849	456	135	100	100	150
35°	1750	1730	964	730	464	133	100	100	148
40°	1750	1735	868	610	473	130	100	100	146
45°	1750	1740	778	508	454	120	115	100	143
50°	1750	1745	689	405	436	110	130	100	140
55°	1750	1750	605	322	395	100	148	100	137
60°	1750	1755	521	239	354	90	165	100	139
65°	1750	1752	454	166	285	90	165	100	135



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0700-

Schieberkräfte

Cam Force

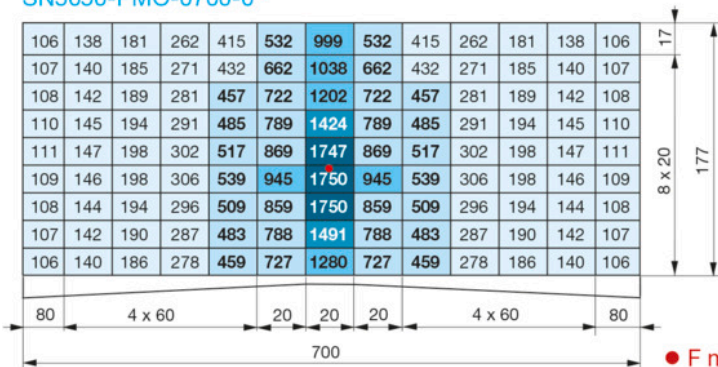
Abschulterung

Shouldering

Passfeder

Fitting Key

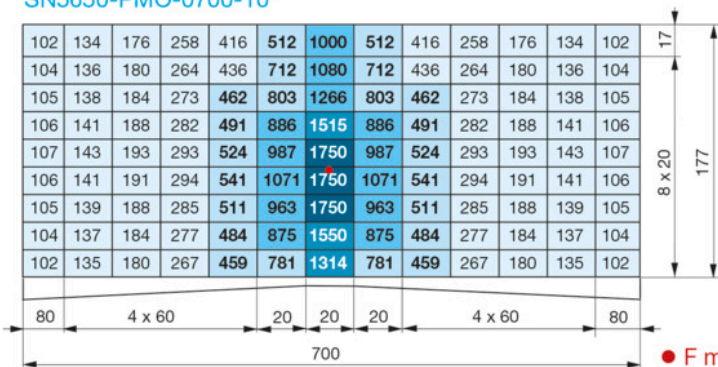
SN5650-PMO-0700-0°



● F max. = 1750 kN

72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72
72	85	100	119	142	164	178	164	142	119	100	85	72

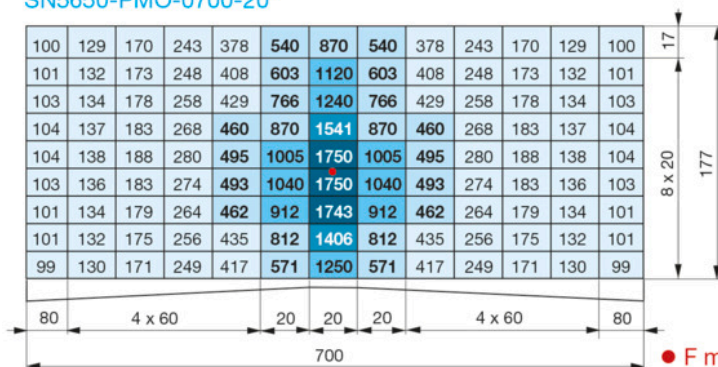
SN5650-PMO-0700-10°



● F max. = 1750 kN

80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
80	94	112	138	169	199	218	199	169	138	112	94	80
79	94	112	138	169	199	218	199	169	138	112	94	79

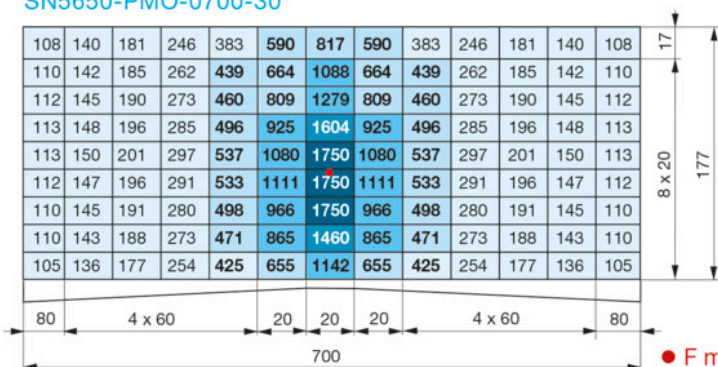
SN5650-PMO-0700-20°



● F max. = 1750 kN

87	104	124	154	196	239	268	239	196	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87
87	104	124	154	195	238	268	238	195	154	124	104	87

SN5650-PMO-0700-30°



● F max. = 1750 kN

100	119	144	180	236	292	330	292	236	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	234	291	330	291	234	180	144	119	100
100	119	144	180	235	291	330	291	235	180	144	119	100

SN5650-PMO-0700-

Schieberkräfte

Cam Force

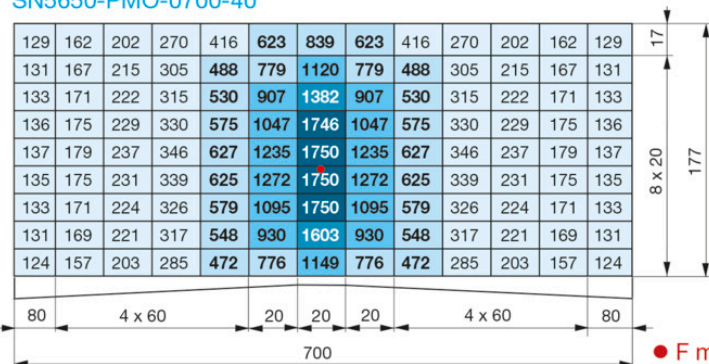
Abschulterung

Shouldering

Passfeder

Fitting Key

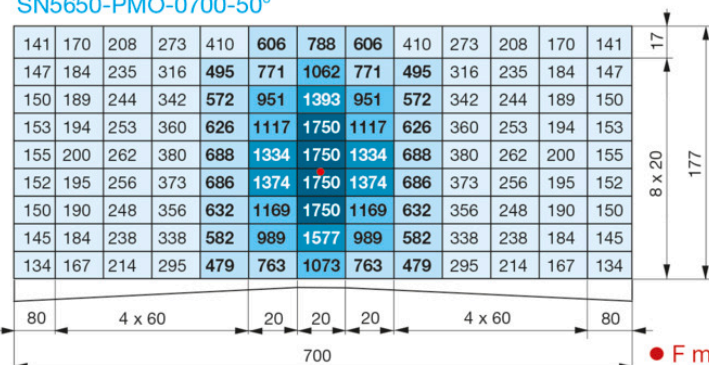
SN5650-PMO-0700-40°



• F max. = 1750 kN

117	141	170	214	288	361	412	361	288	214	170	141	117
117	141	170	214	286	360	412	360	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	359	412	359	286	214	170	141	117
117	141	170	214	286	360	412	360	286	214	170	141	117

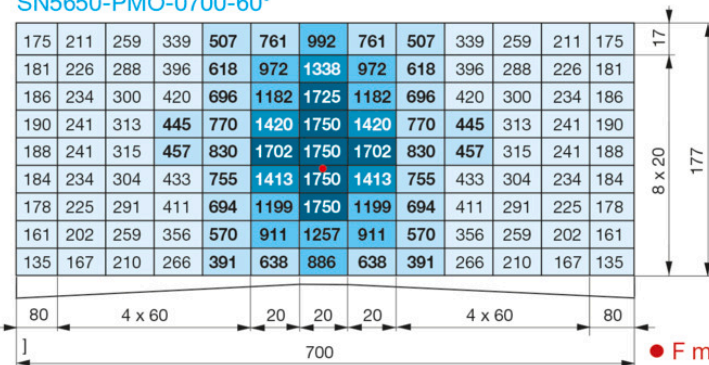
SN5650-PMO-0700-50°



• F max. = 1750 kN

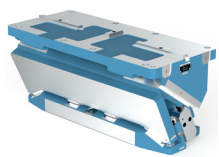
141	170	208	265	361	460	528	460	361	265	208	170	141
144	173	209	265	361	459	528	459	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
144	173	209	265	361	457	528	457	361	265	209	173	144
134	167	209	265	361	458	528	458	361	265	209	167	134

SN5650-PMO-0700-60°



• F max. = 1750 kN

175	211	259	339	473	613	707	613	473	339	259	211	175
181	226	274	347	473	611	707	611	473	347	274	226	181
186	226	274	347	473	610	707	610	473	347	274	226	186
188	226	274	347	473	610	707	610	473	347	274	226	188
188	226	274	347	473	610	707	610	473	347	274	226	188
184	226	274	347	473	610	707	610	473	347	274	226	184
178	225	274	347	473	610	707	610	473	347	274	225	178
161	202	259	347	473	611	707	611	473	347	259	202	161
135	167	210	266	391	617	707	617	391	266	210	167	135

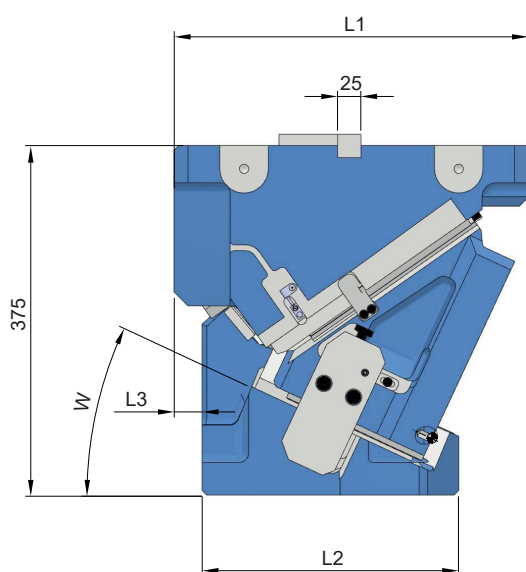


SN5650-PMO-0850-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	Working area	850 x 177 mm
Schieberbreite max.	Cam unit width max.	850 mm
Einbauhöhe	Installation height	375 mm
Schieberkraft	Cam force	2000 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



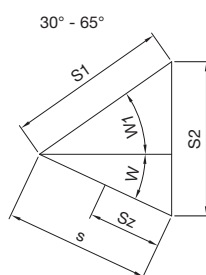
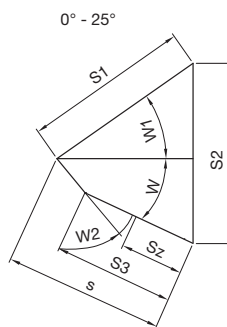
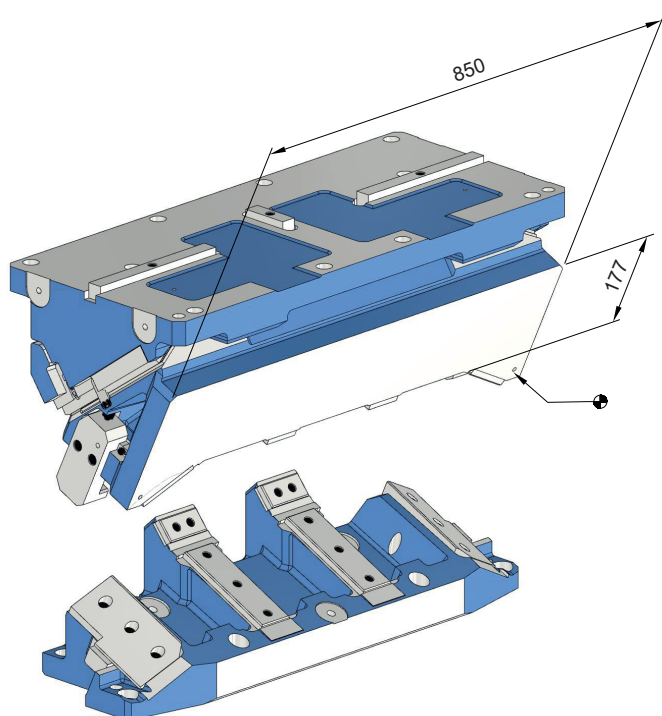
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



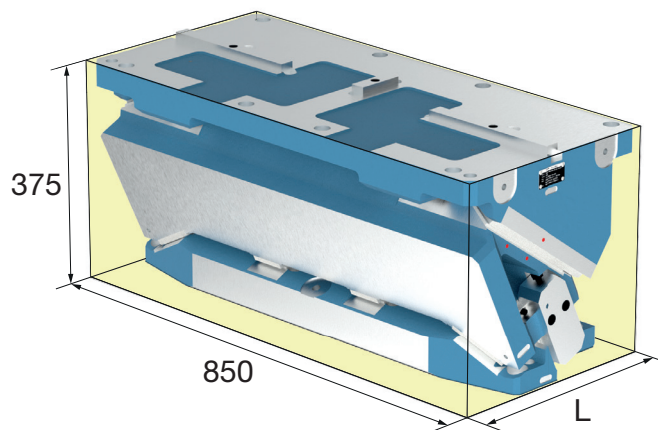
Sz = Eingriffslänge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

Sz = Engagement length of activ return, 0° - 25° with pre-acceleration, 30° - 65° without pre-acceleration

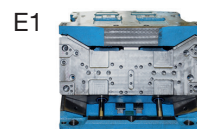
SN5650-PMO-0850-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

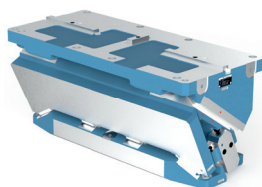
G = Gasdruckfeder

Gas spring

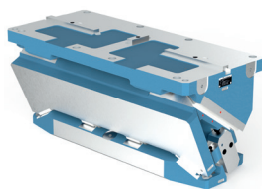
SE = Sensor

Sensor

W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-0850-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-0850-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-0850-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-0850-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E0-G1-S0-V04



W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E0	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E1-G0-S0-V04
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-0850-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-0850-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-0850-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-0850-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-0850-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-0850-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E1-G0-S1-V04
50°	E1	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-0850-50-E1-G1-S1-V04
55°	E0	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E0-G0-S0-V04
55°	E0	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E0-G0-S1-V04

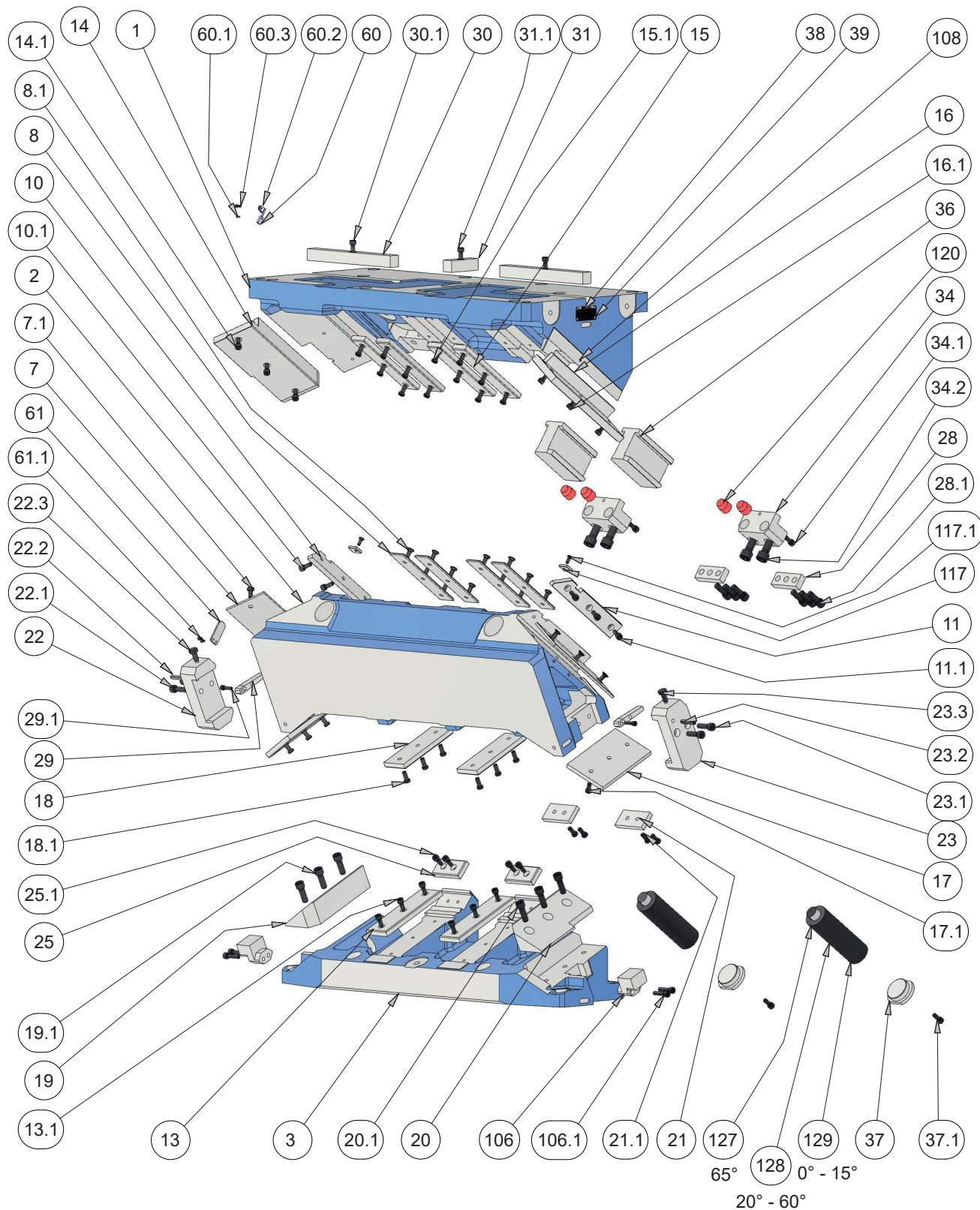


W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
55°	E0	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E0-G1-S0-V04
55°	E0	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E0-G1-S1-V04
55°	E1	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E1-G0-S0-V04
55°	E1	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E1-G0-S1-V04
55°	E1	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E1-G1-S0-V04
55°	E1	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-0850-55-E1-G1-S1-V04
60°	E0	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E0-G0-S0-V04
60°	E0	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E0-G0-S1-V04
60°	E0	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E0-G1-S0-V04
60°	E0	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E0-G1-S1-V04
60°	E1	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E1-G0-S0-V04
60°	E1	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E1-G0-S1-V04
60°	E1	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E1-G1-S0-V04
60°	E1	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-0850-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-0850-65-E1-G1-S1-V04

SN5650-PMO-0850-

Bauteile

Components

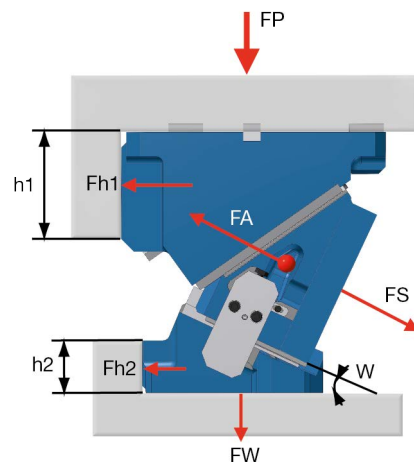


SN5650-PMO-0850-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN] Stan- dard	FA [kN]
00°	2000	1927	2045	1927	-45	190	50	78	102
05°	2000	1937	1889	1763	96	180	65	83	111
10°	2000	1947	1733	1600	236	170	80	89	119
15°	2000	1956	1597	1440	327	163	78	94	126
20°	2000	1964	1461	1280	418	155	75	100	132
25°	2000	1971	1340	1129	466	145	88	100	141
30°	2000	1979	1219	979	513	135	100	100	150
35°	2000	1985	1109	842	523	133	100	100	148
40°	2000	1992	998	706	534	130	100	100	146
45°	2000	1998	896	589	513	120	115	100	143
50°	2000	2004	794	472	492	110	130	100	140
55°	2000	2009	697	377	446	100	148	100	137
60°	2000	2015	600	283	400	90	165	100	139
65°	2000	2012	524	200	321	90	165	100	153



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-0850-

Schieberkräfte

Cam Force

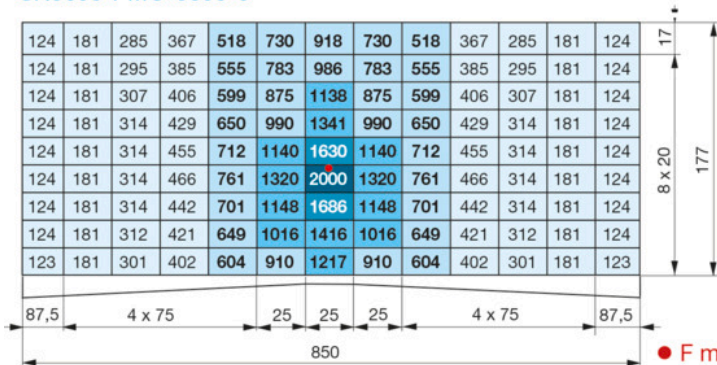
Abschulterung

Shouldering

Passfeder

Fitting Key

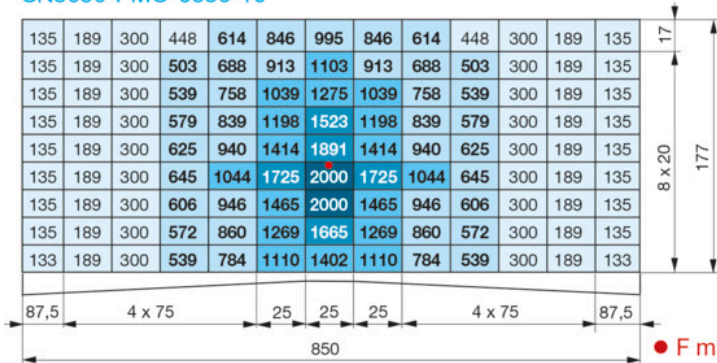
SN5650-PMO-0850-0°



● F max. = 200 kN

83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83
83	96	111	132	164	194	215	194	164	132	111	96	83

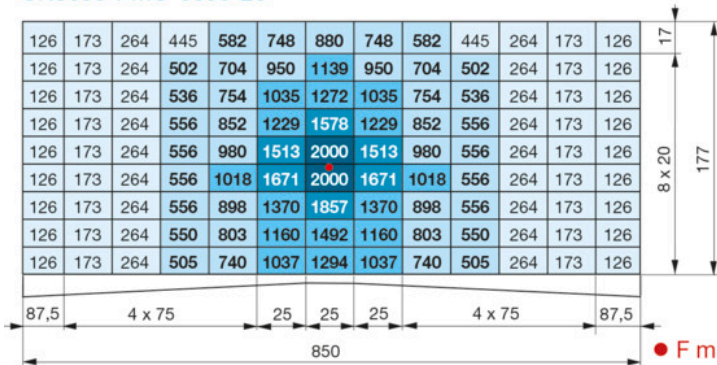
SN5650-PMO-0850-10°



● F max. = 2000 kN

91	106	125	151	193	235	265	235	193	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91
91	106	125	151	192	235	265	235	192	151	125	106	91

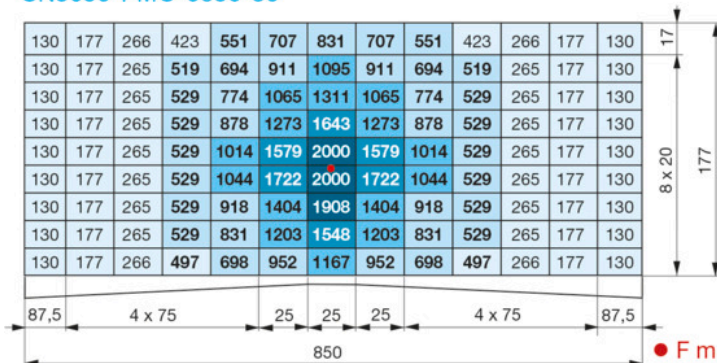
SN5650-PMO-0850-20°



● F max. = 2000 kN

100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100
100	118	140	173	226	284	325	284	226	173	140	118	100

SN5650-PMO-0850-30°



● F max. = 2000 kN

116	136	163	204	271	346	402	346	271	204	163	136	116
116	136	163	204	271	346	402	346	271	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116
116	136	163	204	270	346	402	346	270	204	163	136	116

SN5650-PMO-0850-

Schieberkräfte

Cam Force

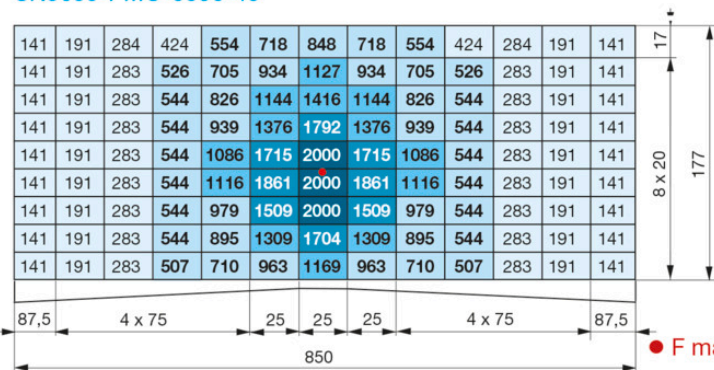
Abschulterung

Shouldering

Passfeder

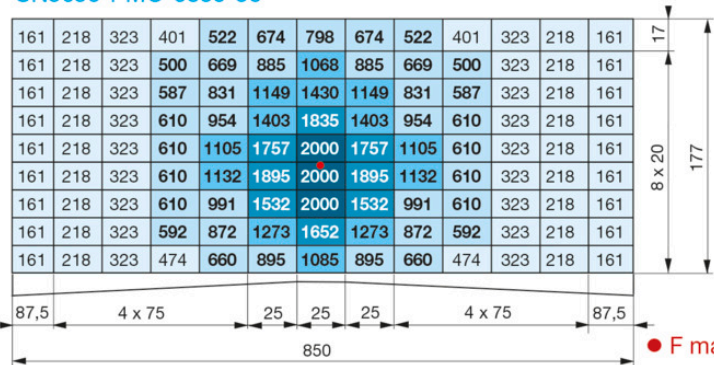
Fitting Key

SN5650-PMO-0850-40°



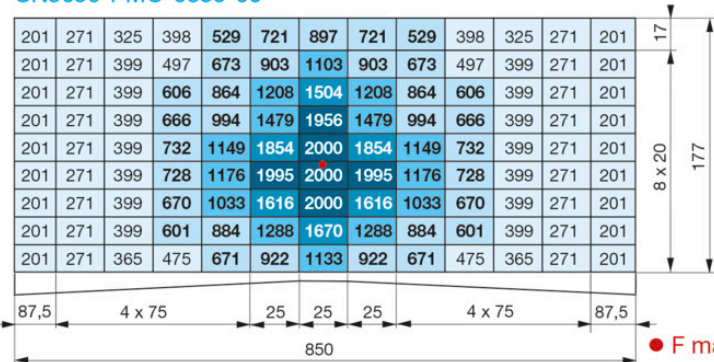
137	162	196	246	331	429	503	429	331	246	196	162	137
137	162	195	246	330	428	503	428	330	246	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137
137	162	195	245	330	428	503	428	330	245	195	162	137

SN5650-PMO-0850-50°

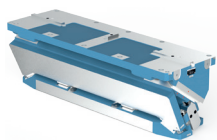


168	200	243	309	418	546	645	546	418	309	243	200	168
168	200	243	307	417	546	645	546	417	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168
168	200	243	307	416	545	645	545	416	307	243	200	168

SN5650-PMO-0850-60°



221	264	320	398	529	721	865	721	529	398	320	264	221
221	264	320	407	555	729	865	729	555	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
221	264	320	407	553	728	865	728	553	407	320	264	221
197	264	320	407	554	729	865	729	554	407	320	264	197

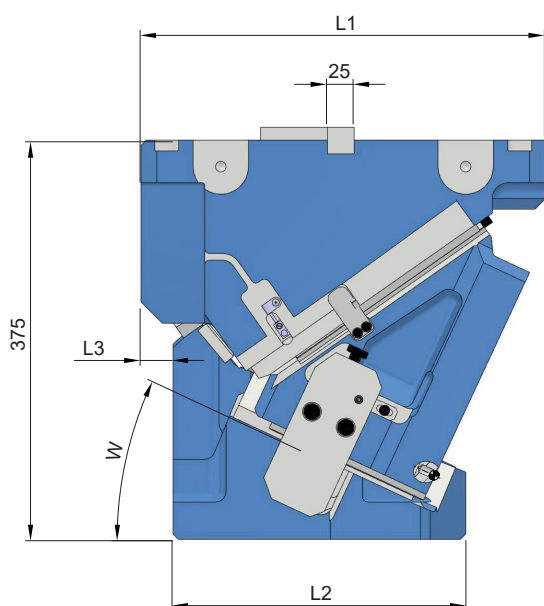


SN5650-PMO-1000-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	1000 x 177 mm
Schieberbreite max.	<i>Cam unit width max.</i>	1000 mm
Einbauhöhe	<i>Installation height</i>	375 mm
Schieberkraft	<i>Cam force</i>	2250 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



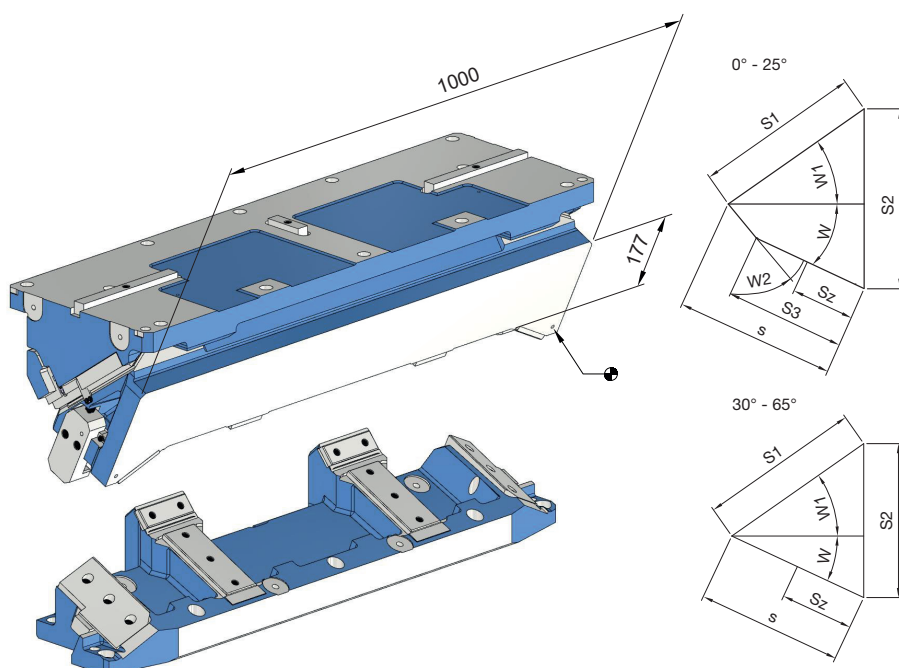
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



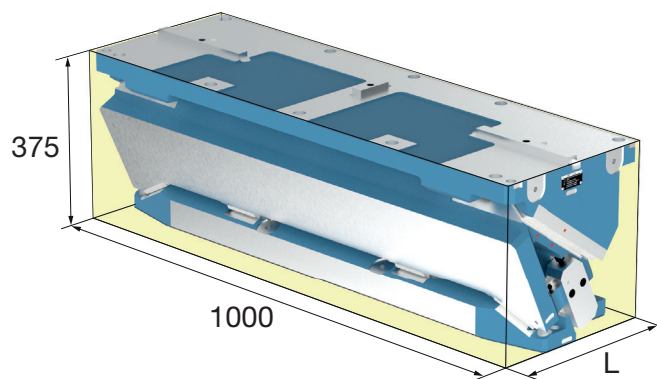
Sz = Eingriffs-länge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

Sz = Engagement length of activ return, 0° - 25° with pre-acceleration, 30° - 65° without pre-acceleration

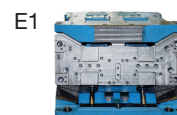
SN5650-PMO-1000-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)



W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining

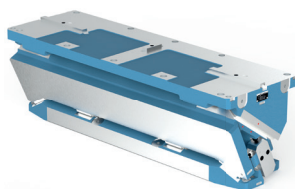
G = Gasdruckfeder

Gas spring

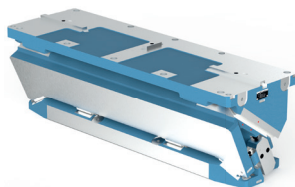
SE = Sensor

Sensor

W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1000-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1000-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1000-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1000-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G0-S0-V04



W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1000-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1000-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1000-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1000-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1000-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E1-G0-S1-V04
50°	E1	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1000-50-E1-G1-S1-V04
55°	E0	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E0-G0-S0-V04
55°	E0	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E0-G0-S1-V04
55°	E0	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E0-G1-S0-V04
55°	E0	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E0-G1-S1-V04

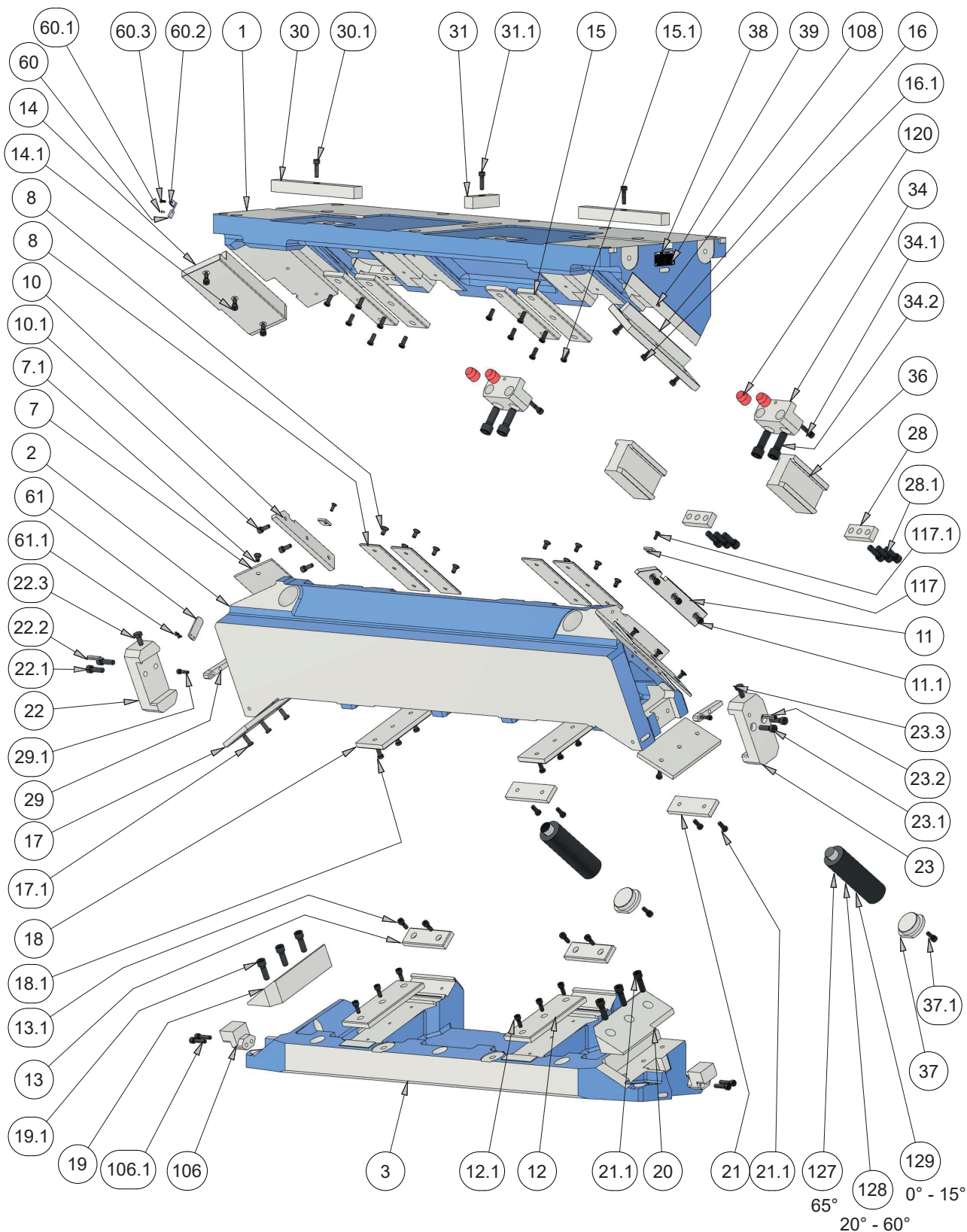


W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
55°	E1	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E1-G0-S0-V04
55°	E1	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E1-G0-S1-V04
55°	E1	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E1-G1-S0-V04
55°	E1	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1000-55-E1-G1-S1-V04
60°	E0	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E0-G0-S0-V04
60°	E0	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E0-G0-S1-V04
60°	E0	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E0-G1-S0-V04
60°	E0	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E0-G1-S1-V04
60°	E1	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E1-G0-S0-V04
60°	E1	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E1-G0-S1-V04
60°	E1	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E1-G1-S0-V04
60°	E1	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1000-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1000-65-E1-G1-S1-V04

SN5650-PMO-1000-

Bauteile

Components

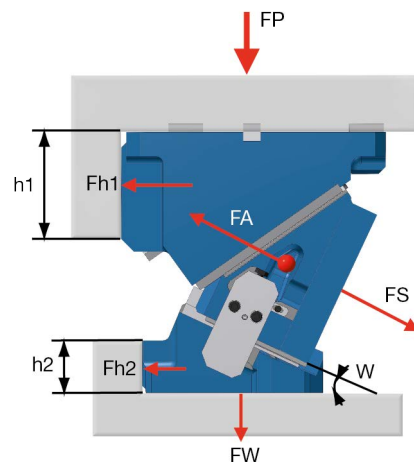


SN5650-PMO-1000-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN] Stan- dard	FA [kN]
00°	2250	2170	2295	2170	-45	190	50	78	102
05°	2250	2181	2119	1986	113	180	65	83	111
10°	2250	2192	1944	1801	272	170	80	89	119
15°	2250	2201	1791	1621	374	163	78	94	126
20°	2250	2210	1638	1441	477	155	75	100	132
25°	2250	2218	1501	1271	530	145	88	100	141
30°	2250	2226	1365	1101	584	135	100	100	150
35°	2250	2233	1241	947	595	133	100	100	148
40°	2250	2240	1116	794	607	130	100	100	146
45°	2250	2246	1001	661	584	120	115	100	143
50°	2250	2252	886	529	560	110	130	100	140
55°	2250	2258	777	422	508	100	148	100	137
60°	2250	2264	669	315	456	90	165	100	139
65°	2250	2261	583	221	368	90	165	100	153



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-1000-

Schieberkräfte

Cam Force

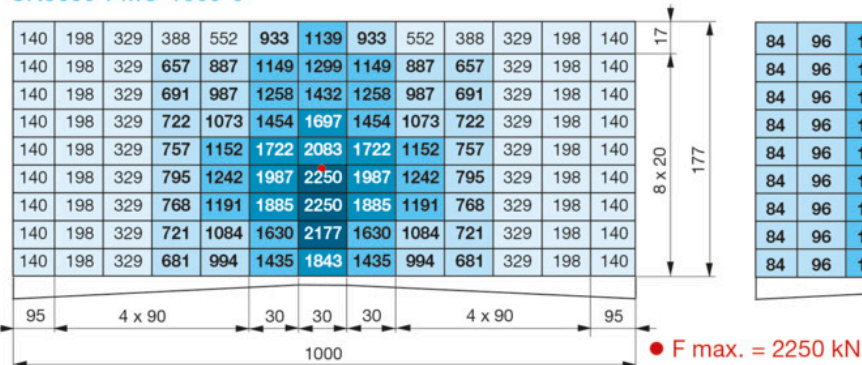
Abschulterung

Shouldering

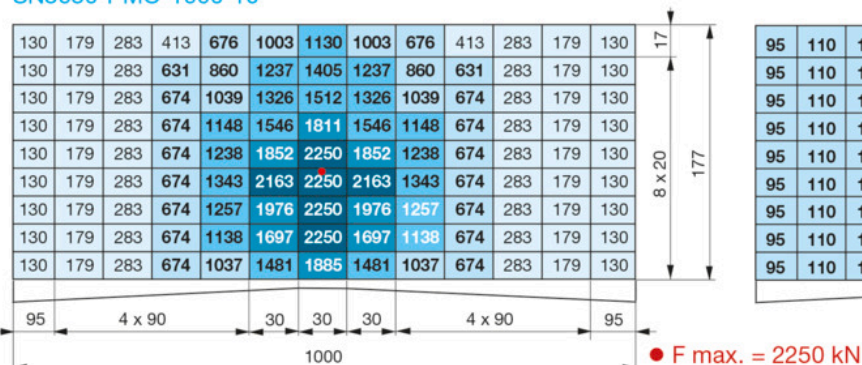
Passfeder

Fitting Key

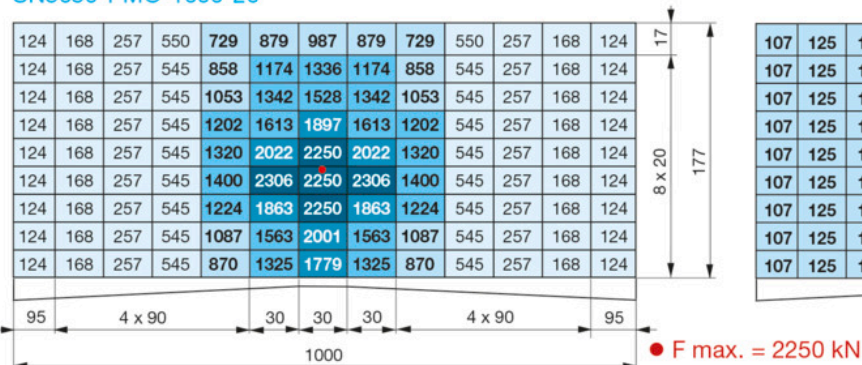
SN5650-PMO-1000-0°



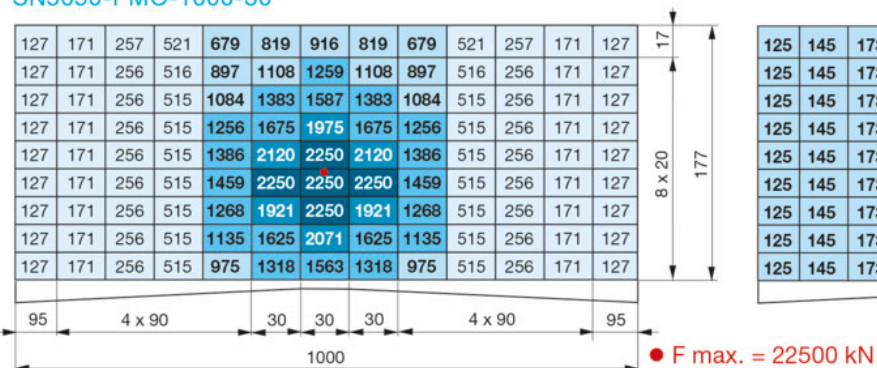
SN5650-PMO-1000-10°



SN5650-PMO-1000-20°



SN5650-PMO-1000-30°



SN5650-PMO-1000-

Schieberkräfte

Cam Force

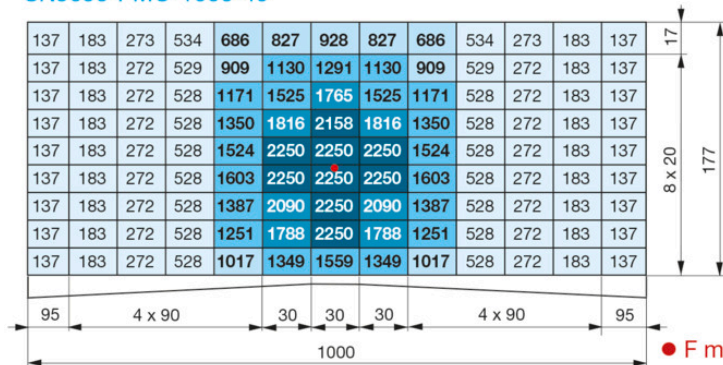
Abschulterung

Shouldering

Passfeder

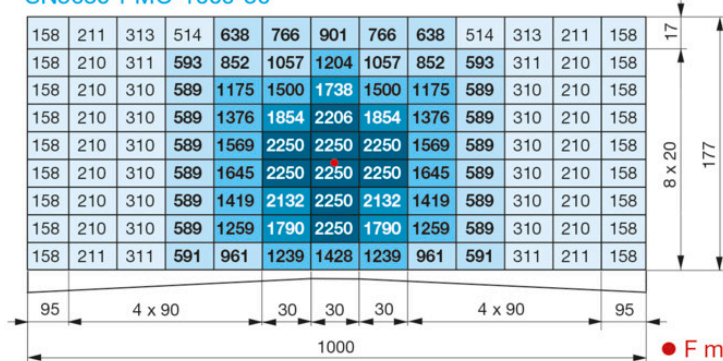
Fitting Key

SN5650-PMO-1000-40°



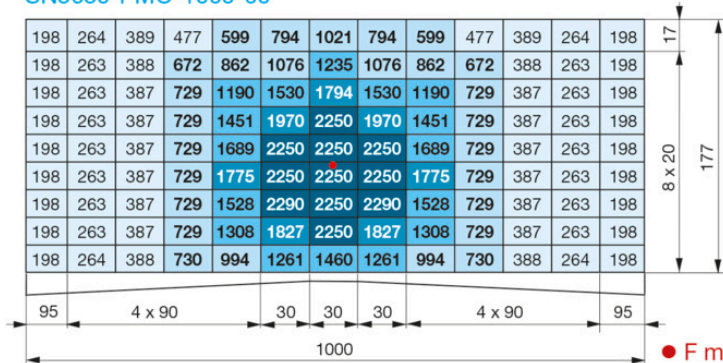
148	174	208	260	346	442	513	442	346	260	208	174	148
148	174	208	260	345	442	513	442	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148
148	174	208	260	345	441	513	441	345	260	208	174	148

SN5650-PMO-1000-50°

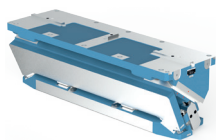


184	217	261	327	438	565	660	565	438	327	261	217	184
184	216	260	326	437	564	660	564	437	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184
184	216	260	326	436	564	660	564	436	326	260	216	184

SN5650-PMO-1000-60°



244	287	346	436	586	758	887	758	586	436	346	287	244
244	287	345	434	583	756	887	756	583	434	345	287	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
244	286	345	433	582	755	887	755	582	433	345	286	244
229	287	345	433	582	755	887	755	582	433	345	287	229

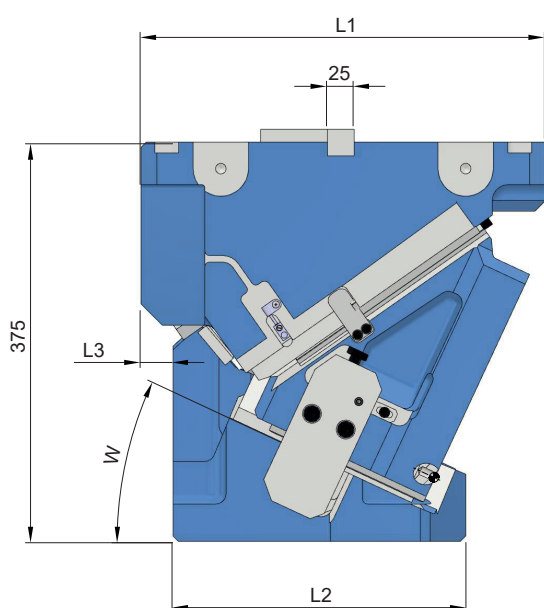


SN5650-PMO-1200-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	1200 x 175 mm
Schieberbreite max.	<i>Cam unit width max.</i>	1200 mm
Einbauhöhe	<i>Installation height</i>	375 mm
Schieberkraft	<i>Cam force</i>	2500 kN



Gusstoleranzgrad CT

nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT

according to DIN ISO 8062

(blue = raw casting area)

Positionskontrolle: Control of position:



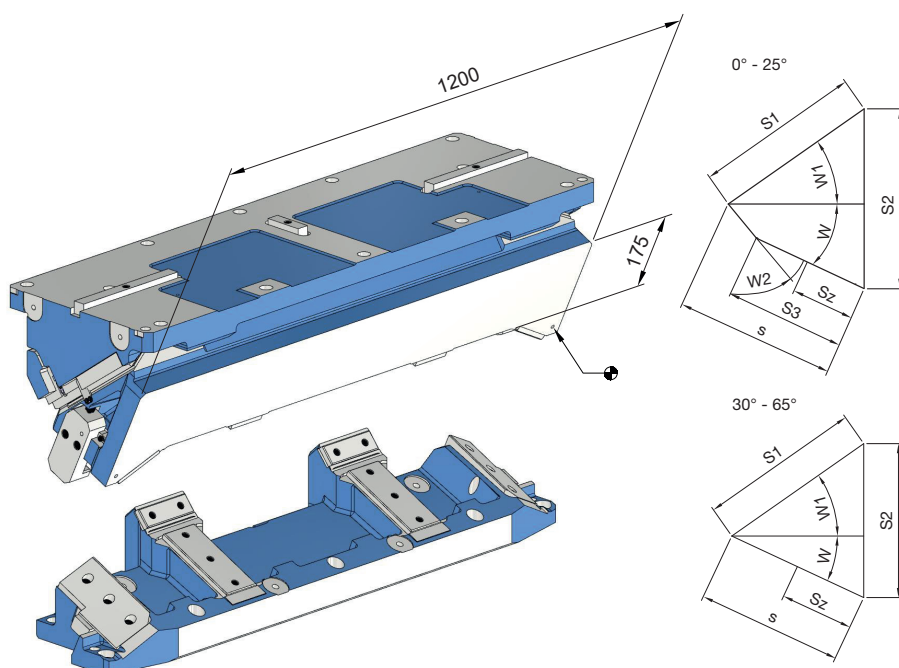
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



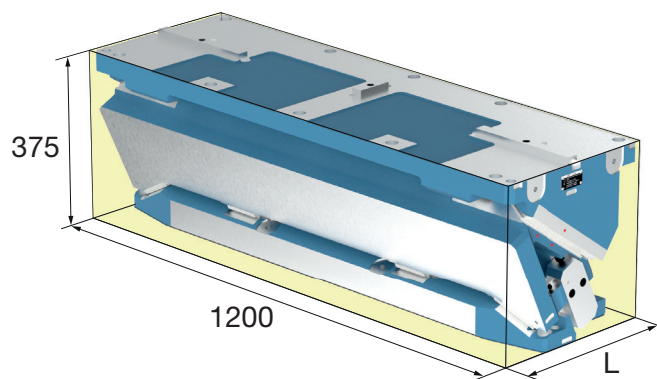
Sz = Eingriffslänge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

Sz = Engagement length of activ return, 0° - 25° with pre-acceleration, 30° - 65° without pre-acceleration

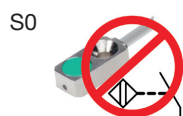
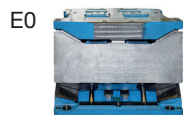
SN5650-PMO-1200-

Oben hängender Schieber

Aerial cam unit



Mat.: EN-GJS-600-3 (GGG 60)

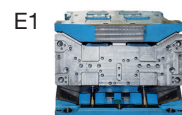


W = Schieberwinkel

Cam Angle

E = Einarbeitung

Machining



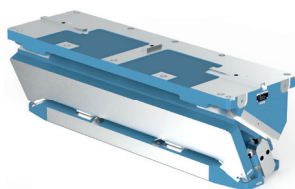
G = Gasdruckfeder

Gas spring

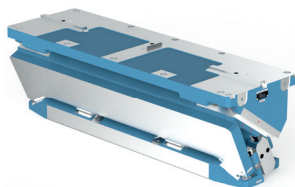
SE = Sensor

Sensor

W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
0°	E0	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E0-G0-S0-V04
0°	E0	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E0-G0-S1-V04
0°	E0	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E0-G1-S0-V04
0°	E0	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E0-G1-S1-V04
0°	E1	G0	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E1-G0-S0-V04
0°	E1	G0	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E1-G0-S1-V04
0°	E1	G1	S0	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E1-G1-S0-V04
0°	E1	G1	S1	365	47	30	45.7	67	55.2	35	26	360	300	65	SN5650-PMO-1200-00-E1-G1-S1-V04
5°	E0	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E0-G0-S0-V04
5°	E0	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E0-G0-S1-V04
5°	E0	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E0-G1-S0-V04
5°	E0	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E0-G1-S1-V04
5°	E1	G0	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E1-G0-S0-V04
5°	E1	G0	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E1-G0-S1-V04
5°	E1	G1	S0	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E1-G1-S0-V04
5°	E1	G1	S1	365	45	30	48.2	67	59.2	35	26	360	300	65	SN5650-PMO-1200-05-E1-G1-S1-V04
10°	E0	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E0-G0-S0-V04
10°	E0	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E0-G0-S1-V04
10°	E0	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E0-G1-S0-V04
10°	E0	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E0-G1-S1-V04
10°	E1	G0	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E1-G0-S0-V04
10°	E1	G0	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E1-G0-S1-V04
10°	E1	G1	S0	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E1-G1-S0-V04
10°	E1	G1	S1	375	42	30	51.8	67	60.5	40	32	375	310	35	SN5650-PMO-1200-10-E1-G1-S1-V04
15°	E0	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E0-G0-S0-V04
15°	E0	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E0-G0-S1-V04
15°	E0	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E0-G1-S0-V04
15°	E0	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E0-G1-S1-V04
15°	E1	G0	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E1-G0-S0-V04
15°	E1	G0	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E1-G0-S1-V04
15°	E1	G1	S0	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E1-G1-S0-V04
15°	E1	G1	S1	375	40	30	55.5	67	66.1	40	32	375	310	35	SN5650-PMO-1200-15-E1-G1-S1-V04
20°	E0	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E0-G0-S0-V04
20°	E0	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E0-G0-S1-V04
20°	E0	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E0-G1-S0-V04
20°	E0	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E0-G1-S1-V04
20°	E1	G0	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E1-G0-S0-V04



W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1200-20-E1-G1-S1-V04
25°	E0	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E0-G0-S0-V04
25°	E0	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E0-G0-S1-V04
25°	E0	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E0-G1-S0-V04
25°	E0	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E0-G1-S1-V04
25°	E1	G0	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E1-G0-S0-V04
25°	E1	G0	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E1-G0-S1-V04
25°	E1	G1	S0	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E1-G1-S0-V04
25°	E1	G1	S1	380	35	25	54.7	57	62	40	32	380	275	30	SN5650-PMO-1200-25-E1-G1-S1-V04
30°	E0	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E0-G0-S0-V04
30°	E0	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E0-G0-S1-V04
30°	E0	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E0-G1-S0-V04
30°	E0	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E0-G1-S1-V04
30°	E1	G0	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E1-G0-S0-V04
30°	E1	G0	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E1-G0-S1-V04
30°	E1	G1	S0	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E1-G1-S0-V04
30°	E1	G1	S1	390	32	0	50.9	52	53	0	42	390	265	20	SN5650-PMO-1200-30-E1-G1-S1-V04
35°	E0	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E0-G0-S0-V04
35°	E0	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E0-G0-S1-V04
35°	E0	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E0-G1-S0-V04
35°	E0	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E0-G1-S1-V04
35°	E1	G0	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E1-G0-S0-V04
35°	E1	G0	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E1-G0-S1-V04
35°	E1	G1	S0	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E1-G1-S0-V04
35°	E1	G1	S1	390	30	0	49.7	47	52	0	42	390	265	20	SN5650-PMO-1200-35-E1-G1-S1-V04
40°	E0	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E0-G0-S0-V04
40°	E0	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E0-G0-S1-V04
40°	E0	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E0-G1-S0-V04
40°	E0	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E0-G1-S1-V04
40°	E1	G0	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E1-G0-S0-V04
40°	E1	G0	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E1-G0-S1-V04
40°	E1	G1	S0	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E1-G1-S0-V04
40°	E1	G1	S1	395	27	0	54.7	47	56.5	0	47	395	260	0	SN5650-PMO-1200-40-E1-G1-S1-V04
45°	E0	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E0-G0-S0-V04
45°	E0	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E0-G0-S1-V04
45°	E0	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E0-G1-S0-V04
45°	E0	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E0-G1-S1-V04
45°	E1	G0	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E1-G0-S0-V04
45°	E1	G0	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E1-G0-S1-V04
45°	E1	G1	S0	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E1-G1-S0-V04
45°	E1	G1	S1	395	25	0	60.2	47	62.5	0	47	395	260	0	SN5650-PMO-1200-45-E1-G1-S1-V04
50°	E0	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E0-G0-S0-V04
50°	E0	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E0-G0-S1-V04
50°	E0	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E0-G1-S0-V04
50°	E0	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E0-G1-S1-V04
50°	E1	G0	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E1-G0-S0-V04
50°	E1	G0	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E1-G0-S1-V04
50°	E1	G1	S0	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	0	67.8	47	69.5	0	52	395	250	20	SN5650-PMO-1200-50-E1-G1-S1-V04
55°	E0	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E0-G0-S0-V04
55°	E0	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E0-G0-S1-V04
55°	E0	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E0-G1-S0-V04
55°	E0	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E0-G1-S1-V04

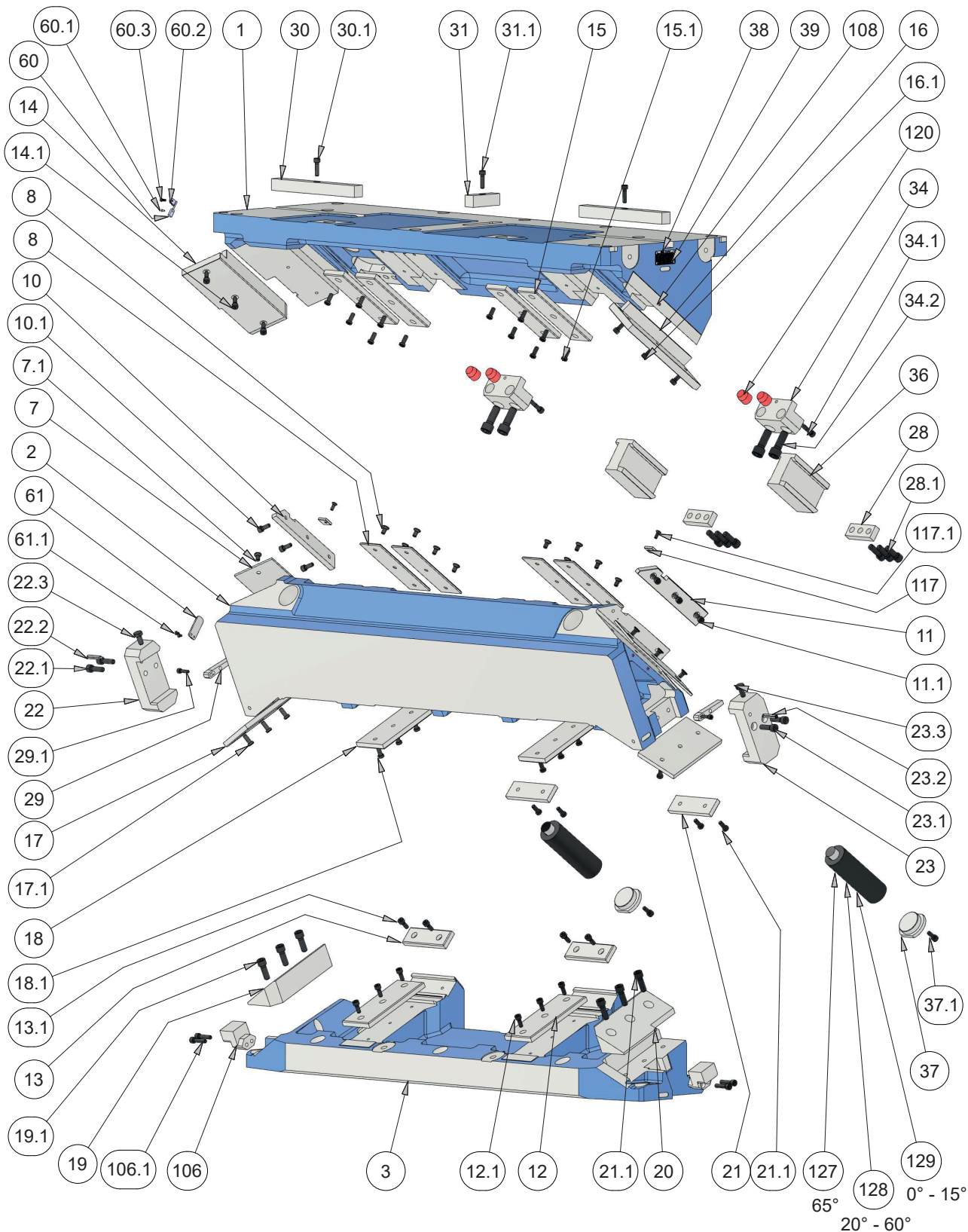


W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
55°	E1	G0	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E1-G0-S0-V04
55°	E1	G0	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E1-G0-S1-V04
55°	E1	G1	S0	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E1-G1-S0-V04
55°	E1	G1	S1	415	20	0	68.8	42	70.7	0	52	395	250	20	SN5650-PMO-1200-55-E1-G1-S1-V04
60°	E0	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E0-G0-S0-V04
60°	E0	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E0-G0-S1-V04
60°	E0	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E0-G1-S0-V04
60°	E0	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E0-G1-S1-V04
60°	E1	G0	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E1-G0-S0-V04
60°	E1	G0	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E1-G0-S1-V04
60°	E1	G1	S0	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E1-G1-S0-V04
60°	E1	G1	S1	425	17	0	70.8	37	72.1	0	52	395	225	30	SN5650-PMO-1200-60-E1-G1-S1-V04
65°	E0	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E0-G0-S0-V04
65°	E0	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E0-G0-S1-V04
65°	E0	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E0-G1-S0-V04
65°	E0	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E0-G1-S1-V04
65°	E1	G0	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E1-G0-S0-V04
65°	E1	G0	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E1-G0-S1-V04
65°	E1	G1	S0	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E1-G1-S0-V04
65°	E1	G1	S1	425	15	0	73.1	32	74.6	0	52	395	225	30	SN5650-PMO-1200-65-E1-G1-S1-V04

SN5650-PMO-1200-

Bauteile

Components

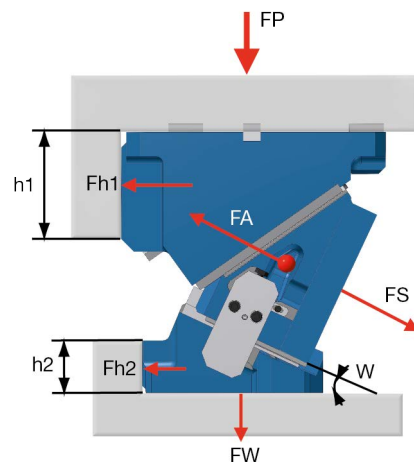


SN5650-PMO-1200-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN] Stan- dard	FA [kN]
00°	2500	2407	2560	2407	-60	190	50	78	138
05°	2500	2420	2365	2203	116	180	65	83	144
10°	2500	2433	2171	1999	291	170	80	89	149
15°	2500	2444	2001	1799	405	173	78	94	148
20°	2500	2454	1831	1599	518	175	75	100	147
25°	2500	2464	1680	1411	578	155	88	100	161
30°	2500	2473	1528	1223	637	135	100	100	175
35°	2500	2482	1390	1053	650	133	100	100	172
40°	2500	2490	1252	883	663	130	100	100	169
45°	2500	2498	1124	737	637	120	116	100	167
50°	2500	2506	996	591	611	110	132	100	164
55°	2500	2513	876	473	553	100	151	100	162
60°	2500	2520	755	355	495	90	170	100	159
65°	2500	2517	659	251	397	90	170	100	157



W = Schieberwinkel

FP = P-Press

FW = W-Werkzeug

FS = S-Schieberkraft

FA = A-Abstreifkraft

Fh1 = h1-Abschulterung oben

Fh2 = h2-Abschulterung unten

W = Cam Angle

FP = P-Press

FW = W-Tool

FS = S-Cam Force

FA = A-Retractility

Fh1 = h1-Shouldering above

Fh2 = h2-Shouldering below

SN5650-PMO-1200-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-1200-0°

161	206	288	467	527	620	792	1144	792	620	527	467	288	206	161
161	206	288	478	759	909	1131	1281	1131	909	759	478	288	206	161
161	206	288	478	798	982	1261	1428	1261	982	798	478	288	206	161
161	206	288	478	840	1048	1391	1692	1391	1048	840	478	288	206	161
161	206	288	478	888	1123	1527	2075	1527	1123	888	478	288	206	161
161	206	288	478	942	1210	1692	2500	1692	1210	942	478	288	206	161
161	206	288	478	894	1144	1590	2500	1590	1144	894	478	288	206	161
161	206	288	478	831	1043	1401	2134	1401	1043	831	478	288	206	161
161	206	288	478	776	958	1252	1807	1252	958	776	478	288	206	161

15 x 80
1200

● F max. = 2500 kN

109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109
109	120	133	150	172	201	242	304	242	201	172	150	133	120	109

SN5650-PMO-1200-10°

145	183	247	379	701	825	1089	1280	1089	825	701	379	247	183	145
145	183	247	379	817	1027	1267	1425	1267	1027	817	379	247	183	145
145	183	247	379	817	1103	1452	1708	1452	1103	817	379	247	183	145
145	183	247	379	817	1186	1600	2095	1600	1186	817	379	247	183	145
145	183	247	379	817	1283	1781	2500	1781	1283	817	379	247	183	145
145	183	247	379	817	1248	1748	2500	1748	1248	817	379	247	183	145
145	183	247	379	817	1128	1522	2337	1522	1128	817	379	247	183	145
145	183	247	379	817	1029	1347	1949	1347	1029	817	379	247	183	145
145	183	247	379	514	744	1098	1651	1098	744	514	379	247	183	145

15 x 80
1200

● F max. = 2500 kN

121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121
121	134	150	170	197	234	287	372	287	372	234	197	170	150	134	121

SN5650-PMO-1200-20°

138	171	226	333	627	778	923	1036	923	778	627	333	226	171	138
138	171	226	333	629	815	1096	1362	1096	815	629	333	226	171	138
138	171	226	333	629	1092	1353	1531	1353	1092	629	333	226	171	138
138	171	226	333	629	1190	1577	1902	1577	1190	629	333	226	171	138
138	171	226	333	629	1306	1788	2500	1788	1306	629	333	226	171	138
138	171	226	333	629	1355	1924	2500	1924	1355	629	333	226	171	138
138	171	226	333	629	1186	1599	2456	1599	1186	629	333	226	171	138
138	171	226	333	629	1060	1368	1951	1368	1060	629	333	226	171	138
138	171	226	333	629	817	1119	1704	1119	817	629	333	226	171	138

15 x 80
1200

● F max. = 2500 kN

135	150	169	194	226	272	341	455	341	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135
135	150	169	194	226	272	340	455	340	272	226	194	169	150	135

SN5650-PMO-1200-30°

140	172	225	323	574	780	861	963	861	780	574	323	225	172	140
140	172	225	322	571	966	1151	1312	1151	966	571	322	225	172	140
140	172	225	322	571	1139	1391	1573	1391	1139	571	322	225	172	140
140	172	225	322	571	1246	1649	1976	1649	1246	571	322	225	172	140
140	172	225	322	571	1374	1881	2500	1881	1374	571	322	225	172	140
140	172	225	322	571	1417	2007	2500	2007	1417	571	322	225	172	140
140	172	225	322	571	1233	1657	2500	1657	1233	571	322	225	172	140
140	172	225	322	571	1114	1441	2041	1441	1114	571	322	225	172	140
140	172	225	322	571	933	1159	1533	1159	933	571	322	225	172	140

15 x 80
1200

● F max. = 2500 kN

155	173	196	225	265	322	409	560	409	322	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155
155	173	196	225	265	321	408	560	408	321	265	225	196	173	155

SN5650-PMO-1200-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMO-1200-40°

149	183	237	335	574	792	875	984	875	792	574	335	237	183	149	15
149	183	237	335	571	1043	1175	1344	1175	1043	571	335	237	183	149	15
149	183	237	335	571	1239	1509	1730	1509	1239	571	335	237	183	149	15
149	183	237	335	571	1364	1799	2156	1799	1364	571	335	237	183	149	15
149	183	237	335	571	1513	2068	2500	2068	1513	571	335	237	183	149	15
149	183	237	335	571	1562	2207	2500	2207	1562	571	335	237	183	149	15
149	183	237	335	571	1353	1811	2500	1811	1353	571	335	237	183	149	15
149	183	237	335	571	1232	1591	2248	1591	1232	571	335	237	183	149	15
149	183	237	335	571	970	1200	1532	1200	970	571	335	237	183	149	15
															175
15 x 80															
1200															Fm

● F max. = 2500 kN

184	205	233	269	318	389	499	698	499	389	318	269	233	205	184
184	205	233	269	318	388	499	698	499	388	318	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	317	388	499	698	499	388	317	269	233	205	184
184	205	233	269	318	388	499	698	499	388	318	269	233	205	184

SN5650-PMO-1200-50°

170	208	268	377	631	738	812	945	812	738	631	377	268	208	170	15
170	208	268	376	628	986	1105	1259	1105	986	628	376	268	208	170	8 x 20 175
170	208	268	375	627	1276	1530	1743	1530	1276	627	375	268	208	170	
170	208	268	375	627	1403	1849	2204	1849	1403	627	375	268	208	170	
170	208	268	375	627	1561	2134	2500	2134	1561	627	375	268	208	170	
170	208	268	375	627	1607	2267	2500	2267	1607	627	375	268	208	170	
170	208	268	375	627	1386	1851	2500	1851	1386	627	375	268	208	170	
170	208	268	376	627	1213	1561	2188	1561	1213	627	376	268	208	170	
171	209	268	376	627	916	1128	1396	1128	916	627	376	268	209	171	
15 x 80															● F m
1200															

● F max. = 2500 kN

227	254	288	334	396	487	630	894	630	487	396	334	288	254	227
227	254	288	333	396	486	630	894	630	486	396	333	288	254	227
227	254	288	333	395	486	630	894	630	486	395	333	288	254	227
227	254	288	333	395	486	629	894	629	486	395	333	288	254	227
227	254	288	333	395	486	629	894	629	486	395	333	288	254	227
227	254	288	333	395	486	629	894	629	486	395	333	288	254	227
227	254	288	333	395	486	629	894	629	486	395	333	288	254	227
227	254	288	333	395	486	629	894	629	486	395	333	288	254	227
227	254	288	334	396	486	630	894	630	486	396	334	288	254	227

SN5650-PMO-1200-60°

212	259	333	465	603	696	841	1072	841	696	603	465	333	259	212	15	8 x 20 175
212	259	332	464	769	1001	1123	1284	1123	1001	769	464	332	259	212		
212	259	332	463	767	1321	1577	1809	1577	1321	767	463	332	259	212		
212	259	332	463	767	1505	1976	2356	1976	1505	767	463	332	259	212		
212	259	332	463	767	1684	2300	2500	2300	1684	767	463	332	259	212		
212	259	332	463	767	1742	2455	2500	2455	1742	767	463	332	259	212		
212	259	332	463	767	1497	1995	2500	1995	1497	767	463	332	259	212		
212	259	332	463	767	1262	1603	2205	1603	1262	767	463	332	259	212		
212	259	332	464	768	946	1167	1419	1167	946	768	464	332	259	212		
15 x 80																
1200																

● F max. = 2500 kN

299	335	381	441	525	646	840	1072	840	646	525	441	381	335	299
299	335	380	441	523	644	838	1196	838	644	523	441	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
299	335	380	440	523	644	837	1196	837	644	523	440	380	335	299
257	332	380	440	523	644	837	1196	837	644	523	440	380	332	257
210	258	335	441	523	644	837	1196	837	644	523	441	335	258	210