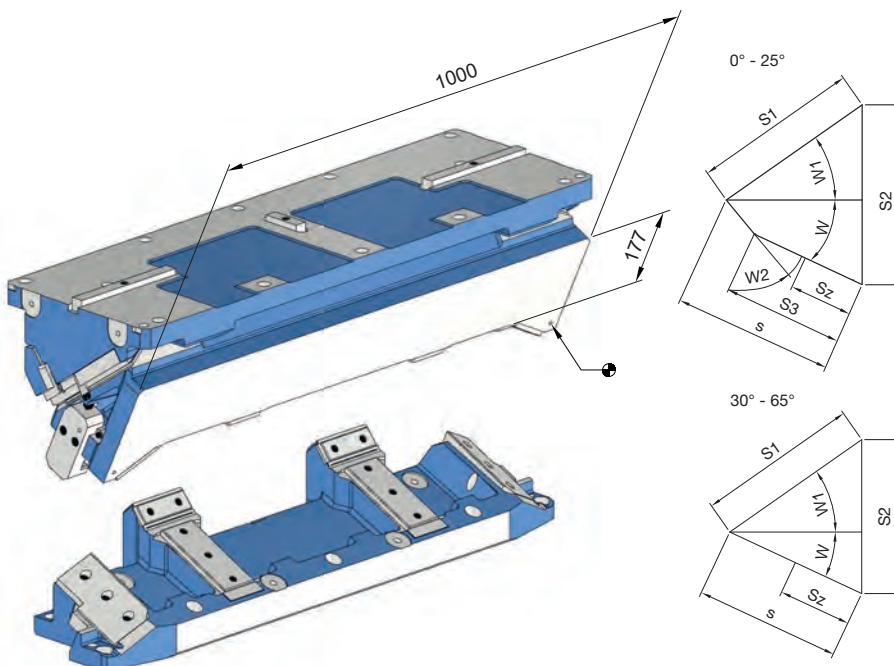
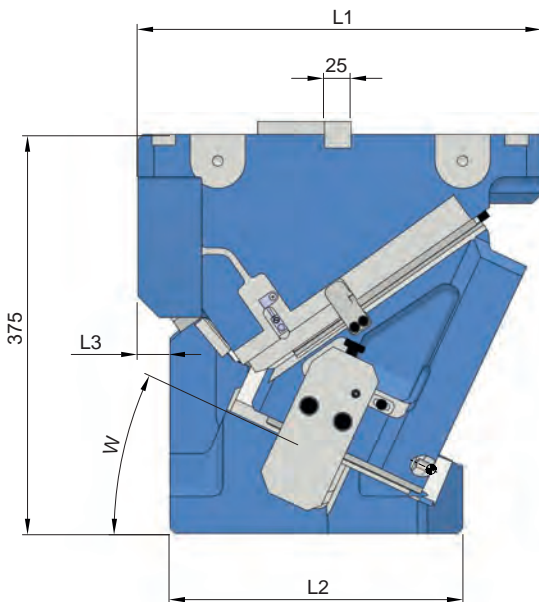


SN5650-PMO-1000-

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

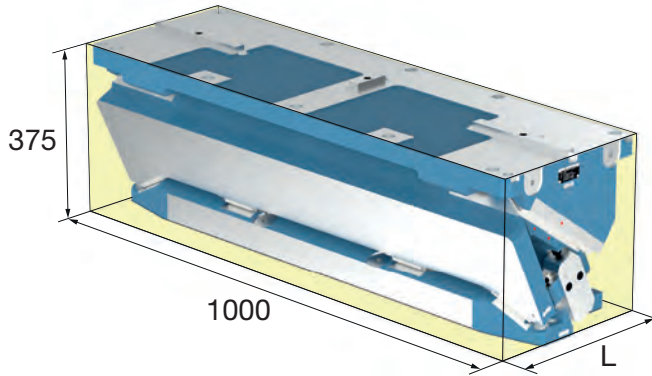
Sz = Eingriffslänge Aktivrückzug, 0° - 25° mit Vorbeschleunigung, 30° - 65° ohne Vorbeschleunigung

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

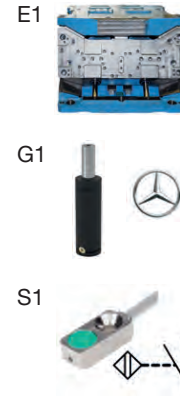
SN5650-PMO-1000-

Oben hängender Schieber

Aerial cam unit



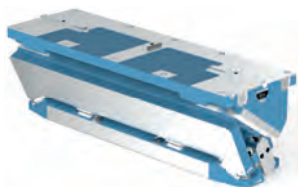
Mat.: EN-GJS-600-3 (GGG 60)



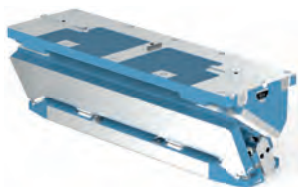
W = Schieberwinkel
Cam Angle
E = Einarbeitung
Machining

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



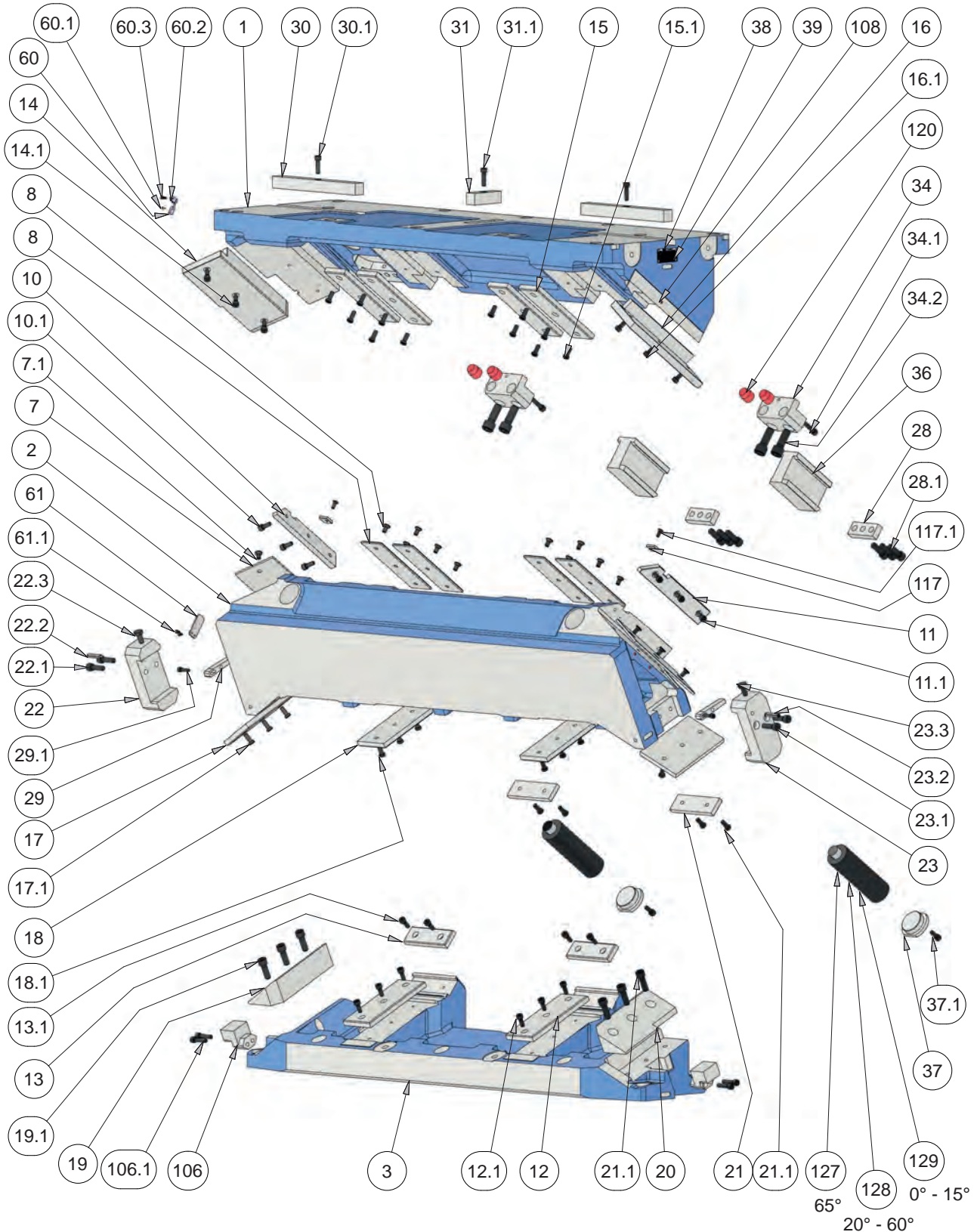
W	E	G	SE	L	W1	W2	s	S1	S2	S3	Sz	L1	L2	L3	No.
20°	E1	G0	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G0-S1-V04
20°	E1	G1	S0	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G1-S0-V04
20°	E1	G1	S1	380	37	25	50.2	57	55.9	40	32	380	275	30	SN5650-PMO-1000-20-E1-G1-S1-V04
25°	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

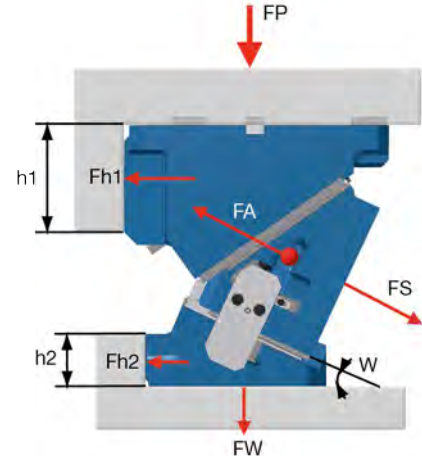


SN5650-PMO-1000-

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

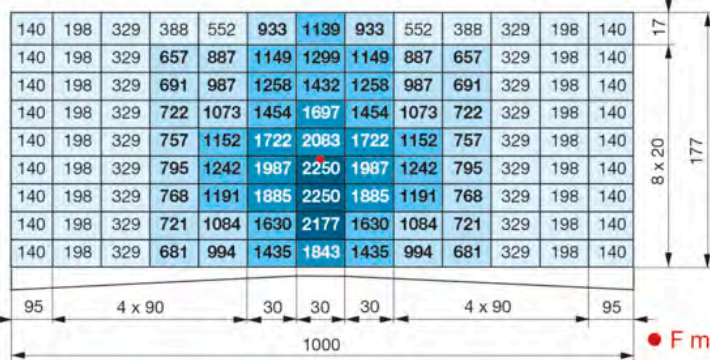
Abschulterung

Shouldering

Passfeder

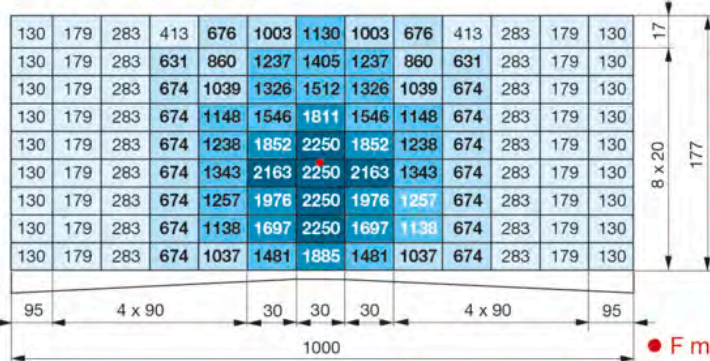
Fitting Key

SN5650-PMO-1000-0°



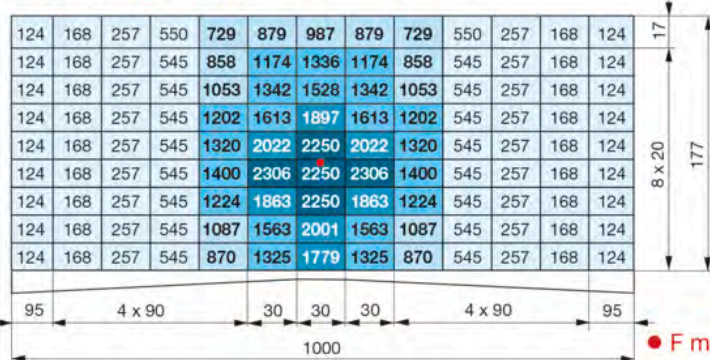
84	96	112	133	164	195	215	195	164	133	112	96	84
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84	96	112	133	164	195	215	195	164	133	112	96	84
84	96	112	133	164	195	215	195	164	133	112	96	84
84	96	112	133	164	195	215	195	164	133	112	96	84
84	96	112	133	164	195	215	195	164	133	112	96	84
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84	96	112	133	164	195	215	195	164	133	112	96	84
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SN5650-PMO-1000-10°



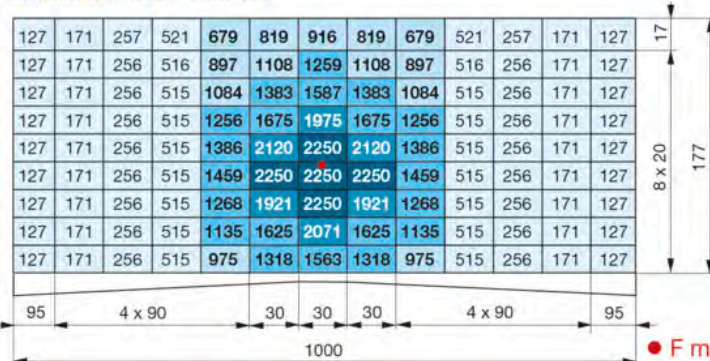
95	110	129	156	197	238	266	238	197	156	129	110	95
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95	110	129	155	196	238	266	238	196	155	129	110	95
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95	110	129	155	196	238	266	238	196	155	129	110	95
95	110	129	155	196	238	266	238	196	155	129	110	95

SN5650-PMO-1000-20°



107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	147	181	234	290	329	290	234	181	147	125	107
107	125	148	181	234	290	329	290	234	181	148	125	107

SN5650-PMO-1000-30°



125	145	173	215	282	355	409	355	282	215	173	145	125
125	145	173	215	282	355	409	355	282	215	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
125	145	173	214	281	355	409	355	281	214	173	145	125
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SN5650-PMO-1000-

Schieberkräfte

Cam Force

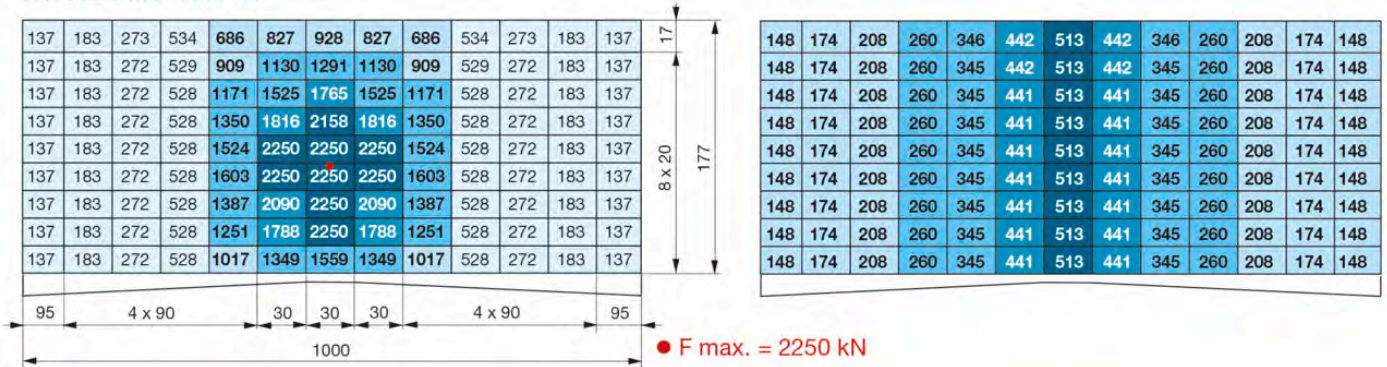
Abschulterung

Shouldering

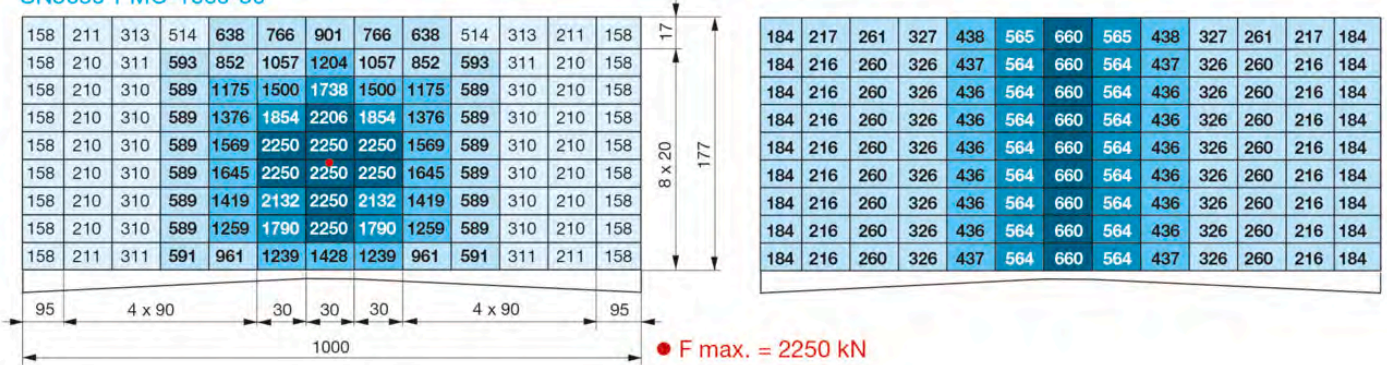
Passfeder

Fitting Key

SN5650-PMO-1000-40°



SN5650-PMO-1000-50°



SN5650-PMO-1000-60°

