

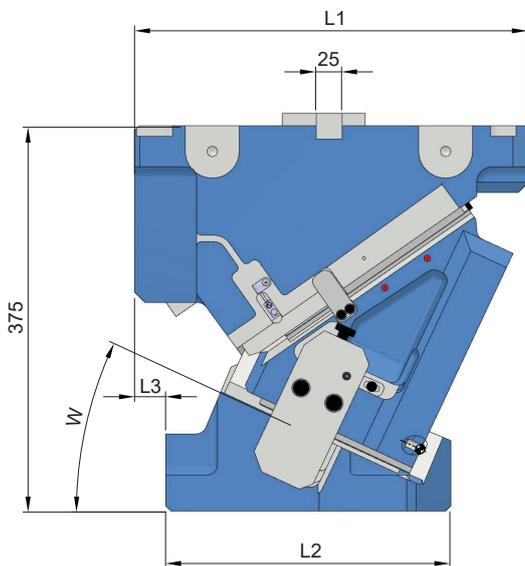


SN5650-PMO-0460-

Oben hängender Schieber

Aerial cam unit

Arbeitsfläche	<i>Working area</i>	460 x 177 mm
Schieberbreite max.	<i>Cam unit width max.</i>	460 mm
Einbauhöhe	<i>Installation height</i>	375 mm
Schieberkraft	<i>Cam force</i>	> 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:**



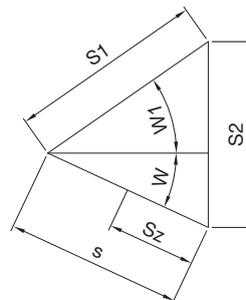
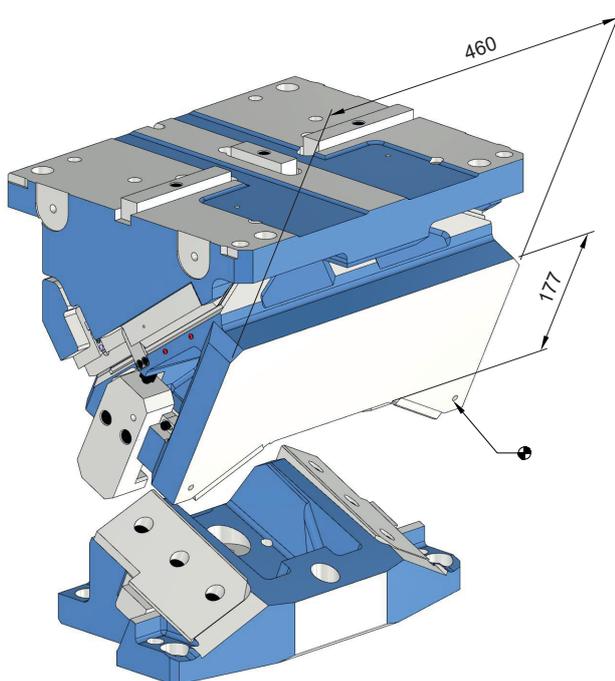
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



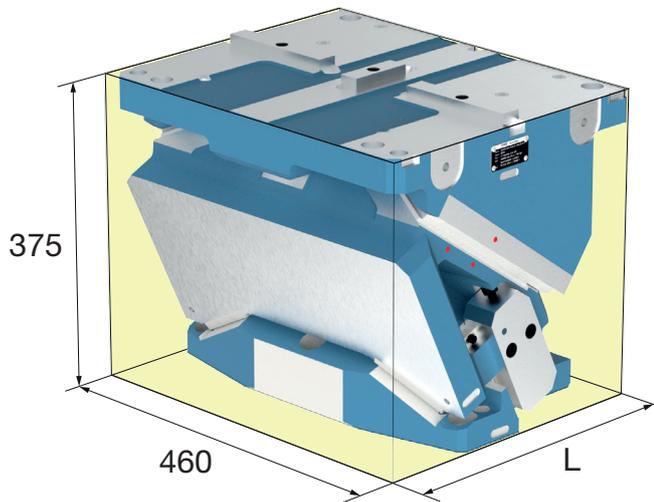
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

SN5650-PMO-0460-

Oben hängender Schieber

Aerial cam unit



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

E0



E1



G0



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	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

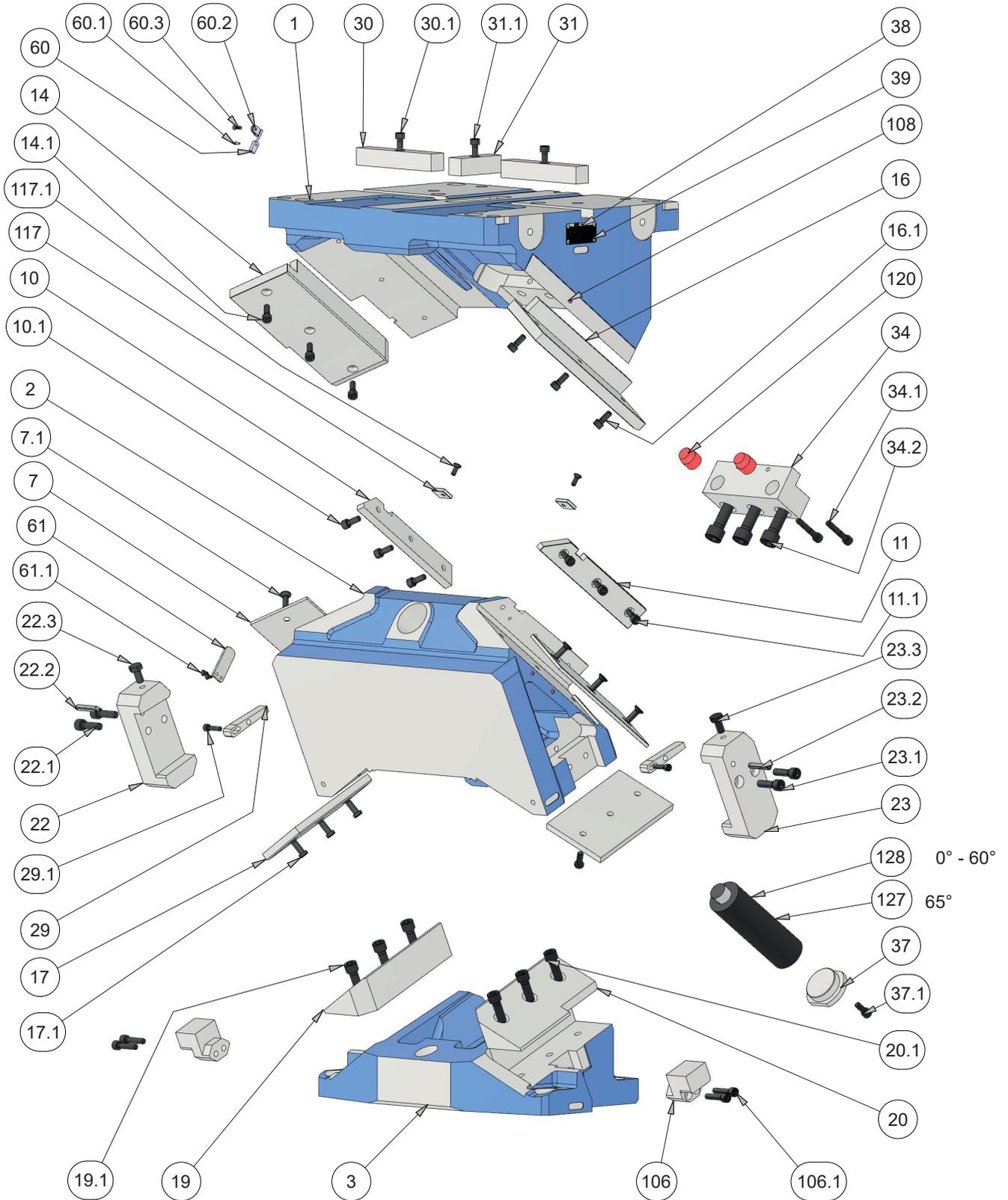


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S0	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G1-S0-V04
50°	E1	G1	S1	415	22	67.8	47	69.5	52	395	250	20	SN5650-PMO-0460-50-E1-G1-S1-V04
55°	E0	G0	S0	425	20	70.8	37	72.1	52	395	225	30	SN5650-PMO-0460-55-E0-G0-S0-V04
55°	E0	G0	S1	425	20	70.8	37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

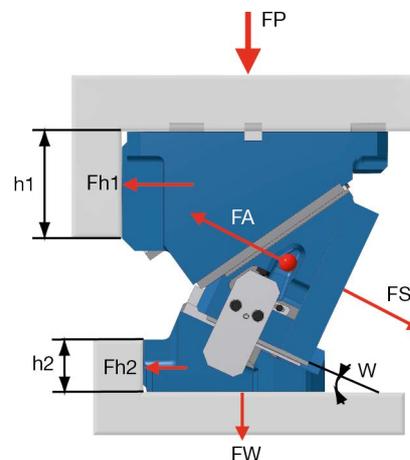
Sparepart lists under www.strack.de

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

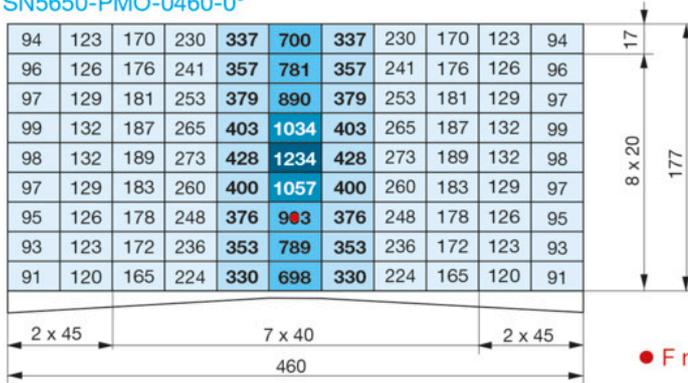
Abschulterung

Shouldering

Passfeder

Fitting Key

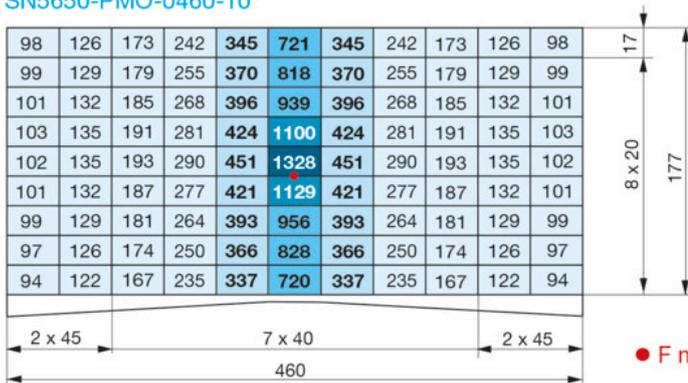
SN5650-PMO-0460-0°



● 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

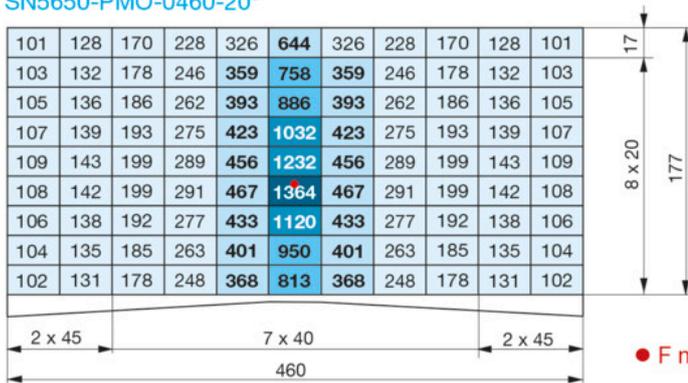
SN5650-PMO-0460-10°



● 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

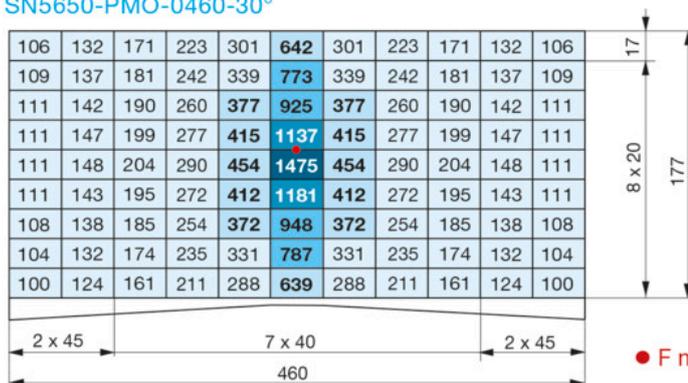
SN5650-PMO-0460-20°



● 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°

122	154	192	245	331	676	331	245	192	154	122
122	162	207	270	377	823	377	270	207	162	122
122	166	219	293	425	997	425	293	219	166	122
122	166	230	313	472	1232	472	313	230	166	122
122	166	237	331	524	1610	524	331	237	166	122
122	166	226	309	471	1283	471	309	226	166	122
122	165	214	287	422	1025	422	287	214	165	122
122	156	199	262	371	842	371	262	199	156	122
118	146	182	233	318	674	318	233	182	146	118

● 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°

139	168	204	253	335	658	335	253	204	168	139
140	180	222	284	392	818	392	284	222	180	140
140	189	238	312	452	1013	452	312	238	189	140
140	189	252	336	507	1262	507	336	252	189	140
140	189	261	358	566	1663	566	358	261	189	140
140	189	247	333	507	1317	507	333	247	189	140
140	185	233	307	450	1044	450	307	233	185	140
140	173	214	275	386	839	386	275	214	173	140
131	159	193	241	321	656	321	241	193	159	131

● 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°

163	189	223	269	337	658	337	269	223	189	163
175	206	248	306	398	797	398	306	248	206	175
176	223	274	347	475	1005	475	347	274	223	176
176	235	296	385	550	1294	550	385	296	235	176
176	235	314	420	629	1770	629	420	314	235	176
176	233	292	382	553	1360	553	382	292	233	176
176	218	268	343	474	1043	474	343	268	218	176
168	199	240	298	393	819	393	298	240	199	168
154	179	212	256	323	636	323	256	212	179	154

● 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	216	273	371	526	371	273	216	176	148
148	176	212	256	323	526	323	256	212	176	148