

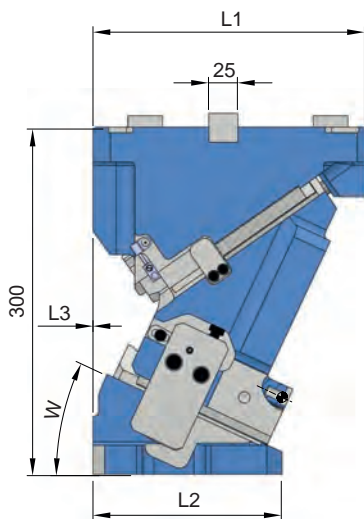


SN5650-PMOK-0180-

Oben hängender Kompakt-Normschieber

Compact aerial cam unit

Arbeitsfläche	<i>Working area</i>	180 x 130 mm
Schieberbreite max.	<i>Cam unit width max.</i>	180 mm
Einbauhöhe	<i>Installation height</i>	300 mm
Schieberkraft	<i>Cam force</i>	> 378 kN



Gusstoleranzgrad CT
nach DIN ISO 8062

(blau = Rohgussfläche)

Casting tolerance grade CT
according to DIN ISO 8062

(blue = raw casting area)

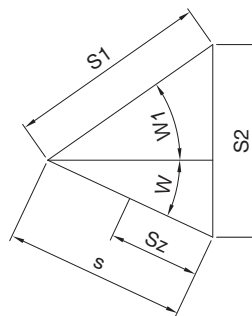
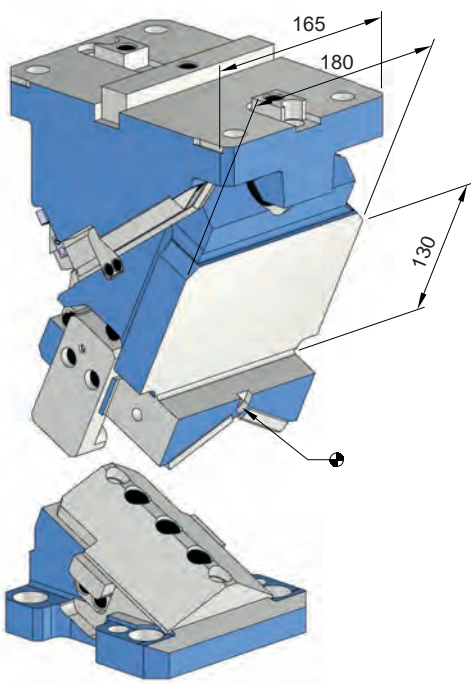
**Positionskontrolle:
Control of position:**



Pos. 1
Schieber zusammengefahren
Cam is moved together



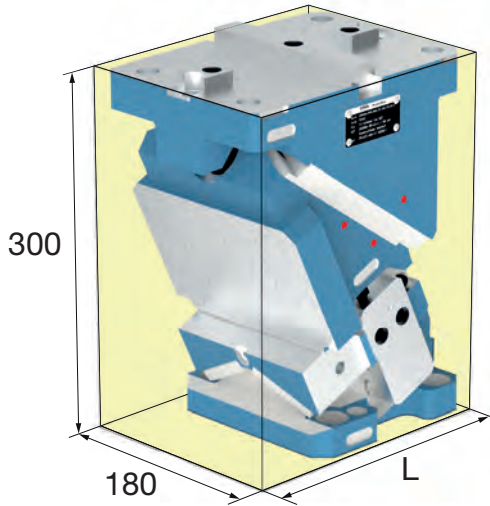
Pos. 2
Schieber ausgefahren
Cam is extended



Sz = Eingriffslänge Aktivrückzug
Sz = Engagement length of activ return

SN5650-PMOK-0180-

Oben hängender Kompakt-Normschieber



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	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E0-G0-S0-V04
0°	E0	G0	S1	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E0-G0-S1-V04
0°	E0	G1	S0	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E0-G1-S0-V04
0°	E0	G1	S1	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E0-G1-S1-V04
0°	E1	G0	S0	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E1-G0-S0-V04
0°	E1	G0	S1	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E1-G0-S1-V04
0°	E1	G1	S0	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E1-G1-S0-V04
0°	E1	G1	S1	230	47	28.6	42	30.7	15.4	230	225	0	SN5650-PMOK-0180-00-E1-G1-S1-V04
5°	E0	G0	S0	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E0-G0-S0-V04
5°	E0	G0	S1	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E0-G0-S1-V04
5°	E0	G1	S0	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E0-G1-S0-V04
5°	E0	G1	S1	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E0-G1-S1-V04
5°	E1	G0	S0	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E1-G0-S0-V04
5°	E1	G0	S1	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E1-G0-S1-V04
5°	E1	G1	S0	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E1-G1-S0-V04
5°	E1	G1	S1	230	45	29.8	42	32.3	15.4	230	225	0	SN5650-PMOK-0180-05-E1-G1-S1-V04
10°	E0	G0	S0	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E0-G0-S0-V04
10°	E0	G0	S1	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E0-G0-S1-V04
10°	E0	G1	S0	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E0-G1-S0-V04
10°	E0	G1	S1	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E0-G1-S1-V04
10°	E1	G0	S0	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E1-G0-S0-V04
10°	E1	G0	S1	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E1-G0-S1-V04
10°	E1	G1	S0	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E1-G1-S0-V04
10°	E1	G1	S1	230	42	31.7	42	33.6	21.4	230	215	0	SN5650-PMOK-0180-10-E1-G1-S1-V04
15°	E0	G0	S0	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E0-G0-S0-V04
15°	E0	G0	S1	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E0-G0-S1-V04
15°	E0	G1	S0	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E0-G1-S0-V04
15°	E0	G1	S1	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E0-G1-S1-V04
15°	E1	G0	S0	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E1-G0-S0-V04
15°	E1	G0	S1	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E1-G0-S1-V04
15°	E1	G1	S0	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E1-G1-S0-V04
15°	E1	G1	S1	230	40	33.3	42	35.6	21.4	230	215	0	SN5650-PMOK-0180-15-E1-G1-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
20°	E0	G0	S0	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E0-G0-S0-V04
20°	E0	G0	S1	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E0-G0-S1-V04
20°	E0	G1	S0	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E0-G1-S0-V04
20°	E0	G1	S1	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E0-G1-S1-V04
20°	E1	G0	S0	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E1-G0-S0-V04
20°	E1	G0	S1	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E1-G0-S1-V04
20°	E1	G1	S0	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E1-G1-S0-V04
20°	E1	G1	S1	235	37	35.7	42	37.5	22.4	235	163	0	SN5650-PMOK-0180-20-E1-G1-S1-V04
25°	E0	G0	S0	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E0-G0-S0-V04
25°	E0	G0	S1	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E0-G0-S1-V04
25°	E0	G1	S0	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E0-G1-S0-V04
25°	E0	G1	S1	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E0-G1-S1-V04
25°	E1	G0	S0	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E1-G0-S0-V04
25°	E1	G0	S1	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E1-G0-S1-V04
25°	E1	G1	S0	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E1-G1-S0-V04
25°	E1	G1	S1	235	35	38	42	40.1	22.4	235	163	0	SN5650-PMOK-0180-25-E1-G1-S1-V04
30°	E0	G0	S0	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E0-G0-S0-V04
30°	E0	G0	S1	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E0-G0-S1-V04
30°	E0	G1	S0	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E0-G1-S0-V04
30°	E0	G1	S1	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E0-G1-S1-V04
30°	E1	G0	S0	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E1-G0-S0-V04
30°	E1	G0	S1	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E1-G0-S1-V04
30°	E1	G1	S0	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E1-G1-S0-V04
30°	E1	G1	S1	235	32	41.1	42	42.8	28.4	235	160	0	SN5650-PMOK-0180-30-E1-G1-S1-V04
35°	E0	G0	S0	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E0-G0-S0-V04
35°	E0	G0	S1	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E0-G0-S1-V04
35°	E0	G1	S0	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E0-G1-S0-V04
35°	E0	G1	S1	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E0-G1-S1-V04
35°	E1	G0	S0	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E1-G0-S0-V04
35°	E1	G0	S1	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E1-G0-S1-V04
35°	E1	G1	S0	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E1-G1-S0-V04
35°	E1	G1	S1	235	30	44.4	42	46.5	31.4	235	160	0	SN5650-PMOK-0180-35-E1-G1-S1-V04
40°	E0	G0	S0	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E0-G0-S0-V04
40°	E0	G0	S1	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E0-G0-S1-V04
40°	E0	G1	S0	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E0-G1-S0-V04
40°	E0	G1	S1	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E0-G1-S1-V04
40°	E1	G0	S0	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E1-G0-S0-V04
40°	E1	G0	S1	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E1-G0-S1-V04
40°	E1	G1	S0	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E1-G1-S0-V04
40°	E1	G1	S1	235	27	43	37	44.5	31.4	235	133	0	SN5650-PMOK-0180-40-E1-G1-S1-V04
45°	E0	G0	S0	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E0-G0-S0-V04
45°	E0	G0	S1	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E0-G0-S1-V04
45°	E0	G1	S0	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E0-G1-S0-V04
45°	E0	G1	S1	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E0-G1-S1-V04
45°	E1	G0	S0	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E1-G0-S0-V04
45°	E1	G0	S1	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E1-G0-S1-V04
45°	E1	G1	S0	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E1-G1-S0-V04
45°	E1	G1	S1	235	25	47.4	37	49.2	31.4	235	133	0	SN5650-PMOK-0180-45-E1-G1-S1-V04
50°	E0	G0	S0	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E0-G0-S0-V04
50°	E0	G0	S1	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E0-G0-S1-V04
50°	E0	G1	S0	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E0-G1-S0-V04
50°	E0	G1	S1	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E0-G1-S1-V04
50°	E1	G0	S0	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E1-G0-S0-V04
50°	E1	G0	S1	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E1-G0-S1-V04
50°	E1	G1	S0	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E1-G1-S0-V04

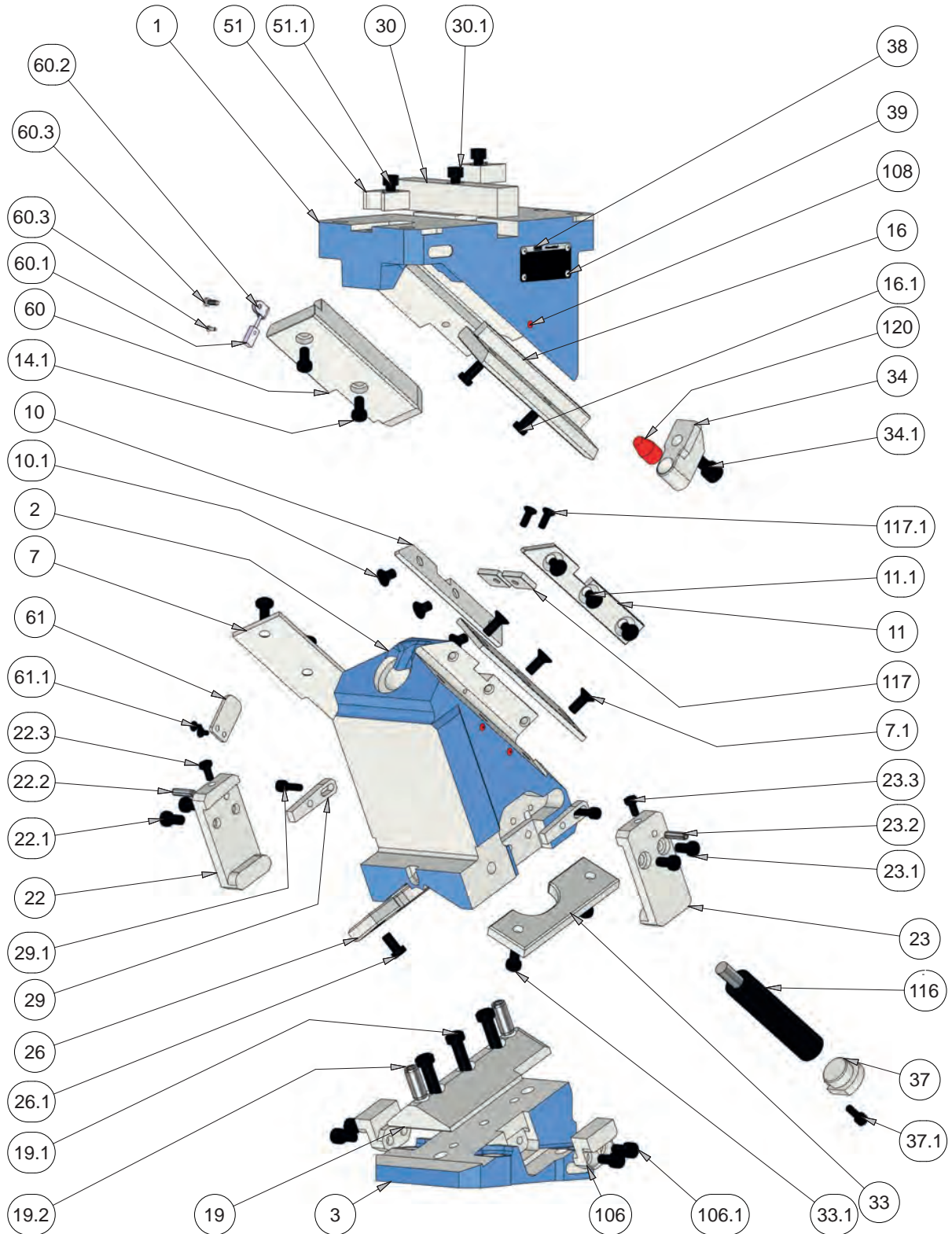


W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
50°	E1	G1	S1	240	22	53.4	37	54.7	36.4	230	127	10	SN5650-PMOK-0180-50-E1-G1-S1-V04
55°	E0	G0	S0	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E0-G0-S0-V04
55°	E0	G0	S1	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E0-G0-S1-V04
55°	E0	G1	S0	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E0-G1-S0-V04
55°	E0	G1	S1	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E0-G1-S1-V04
55°	E1	G0	S0	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E1-G0-S0-V04
55°	E1	G0	S1	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E1-G0-S1-V04
55°	E1	G1	S0	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E1-G1-S0-V04
55°	E1	G1	S1	240	20	60.6	37	62.3	36.4	230	127	10	SN5650-PMOK-0180-55-E1-G1-S1-V04
60°	E0	G0	S0	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E0-G0-S0-V04
60°	E0	G0	S1	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E0-G0-S1-V04
60°	E0	G1	S0	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E0-G1-S0-V04
60°	E0	G1	S1	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E0-G1-S1-V04
60°	E1	G0	S0	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E1-G0-S0-V04
60°	E1	G0	S1	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E1-G0-S1-V04
60°	E1	G1	S0	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E1-G1-S0-V04
60°	E1	G1	S1	255	17	42.1	22	42.9	31.4	240	107	15	SN5650-PMOK-0180-60-E1-G1-S1-V04
65°	E0	G0	S0	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E0-G0-S0-V04
65°	E0	G0	S1	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E0-G0-S1-V04
65°	E0	G1	S0	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E0-G1-S0-V04
65°	E0	G1	S1	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E0-G1-S1-V04
65°	E1	G0	S0	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E1-G0-S0-V04
65°	E1	G0	S1	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E1-G0-S1-V04
65°	E1	G1	S0	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E1-G1-S0-V04
65°	E1	G1	S1	255	15	50.3	22	51.3	31.4	240	107	15	SN5650-PMOK-0180-65-E1-G1-S1-V04
70°	E0	G0	S0	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E0-G0-S0-V04
70°	E0	G0	S1	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E0-G0-S1-V04
70°	E0	G1	S0	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E0-G1-S0-V04
70°	E0	G1	S1	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E0-G1-S1-V04
70°	E1	G0	S0	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E1-G0-S0-V04
70°	E1	G0	S1	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E1-G0-S1-V04
70°	E1	G1	S0	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E1-G1-S0-V04
70°	E1	G1	S1	270	17	34.3	12	34.7	31.4	250	107	20	SN5650-PMOK-0180-70-E1-G1-S1-V04
75°	E0	G0	S0	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E0-G0-S0-V04
75°	E0	G0	S1	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E0-G0-S1-V04
75°	E0	G1	S0	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E0-G1-S0-V04
75°	E0	G1	S1	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E0-G1-S1-V04
75°	E1	G0	S0	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E1-G0-S0-V04
75°	E1	G0	S1	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E1-G0-S1-V04
75°	E1	G1	S0	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E1-G1-S0-V04
75°	E1	G1	S1	270	15	45.7	12	46.2	31.4	250	107	20	SN5650-PMOK-0180-75-E1-G1-S1-V04

SN5650-PMOK-0180-

Bauteile

Components



Ersatzteilstückliste je Schieber unter www.strack.de

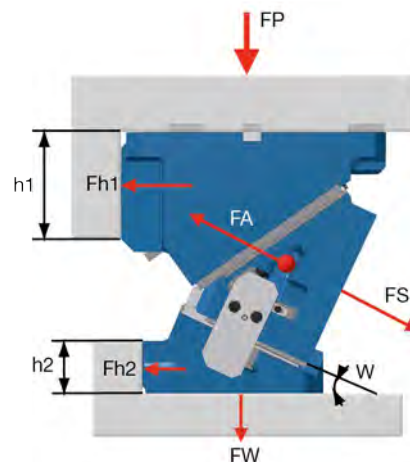
Sparepart lists under www.strack.de

SN5650-PMOK-0180-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	378	355	378	355	0	115	40	17
05°	394	372	362	336	28	108	50	22
10°	409	388	347	317	56	100	60	26
15°	414	394	323	287	75	103	55	34
20°	418	400	299	257	94	105	50	41
25°	429	412	281	231	106	98	50	48
30°	440	424	263	204	118	90	50	55
35°	458	443	248	180	124	88	55	54
40°	476	462	234	156	131	85	60	52
45°	484	471	213	130	127	78	63	53
50°	492	481	193	104	124	70	65	54
55°	498	488	171	81	113	65	73	54
60°	504	495	150	59	102	60	80	54
65°	509	501	128	42	85	63	95	54
70°	513	507	107	25	69	65	110	53
75°	511	505	88	12	44	65	110	54



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

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Schieberkräfte

Cam Force

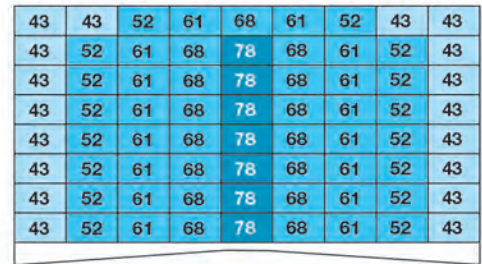
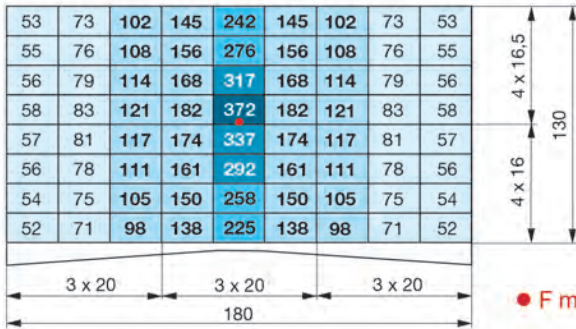
Abschulterung

Shouldering

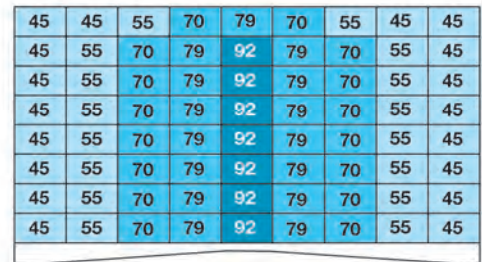
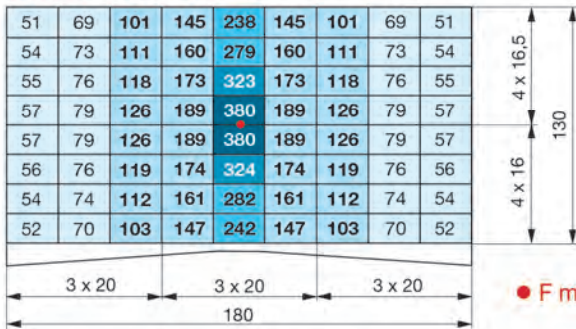
Passfeder

Fitting Key

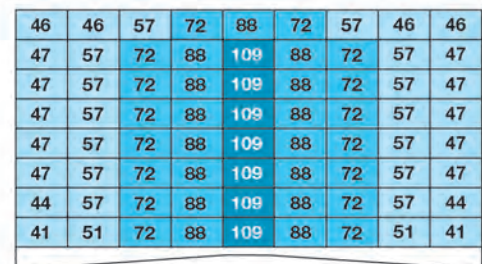
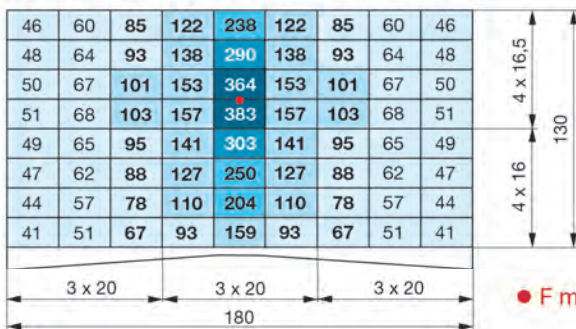
SN5650-PMOK-0180-0°



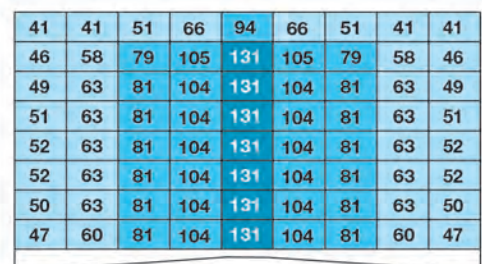
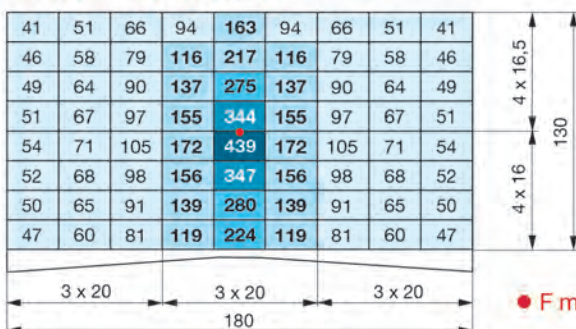
SN5650-PMOK-0180-10°



SN5650-PMOK-0180-20°



SN5650-PMOK-0180-30°



SN5650-PMOK-0180-

Schieberkräfte

Cam Force

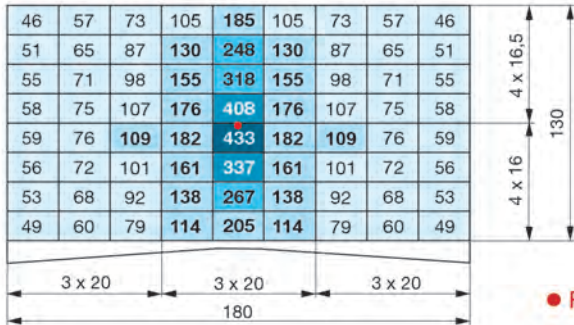
Abschulterung

Shouldering

Passfeder

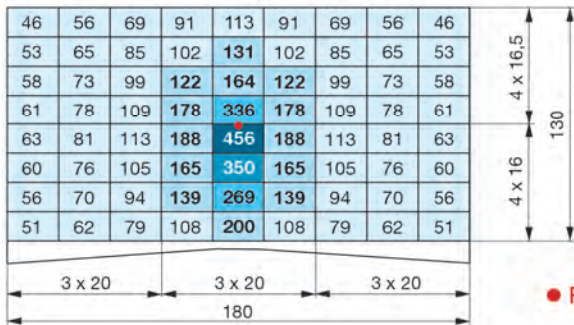
Fitting Key

SN5650-PMOK-0180-40°



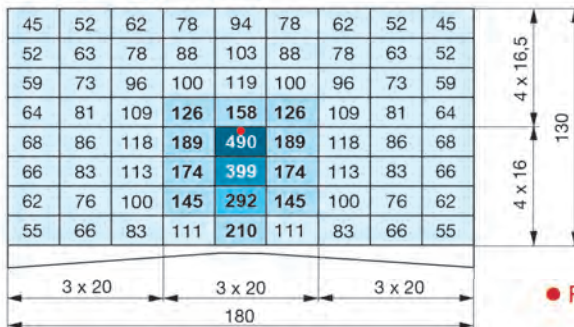
46	46	57	73	105	73	57	46	46
51	65	87	122	160	122	87	65	51
55	68	88	122	160	122	88	68	55
55	68	88	122	160	122	88	68	55
55	68	88	122	160	122	88	68	55
55	68	88	122	160	122	88	68	55
53	68	88	122	160	122	88	68	53
49	60	79	114	160	114	79	60	49

SN5650-PMOK-0180-50°



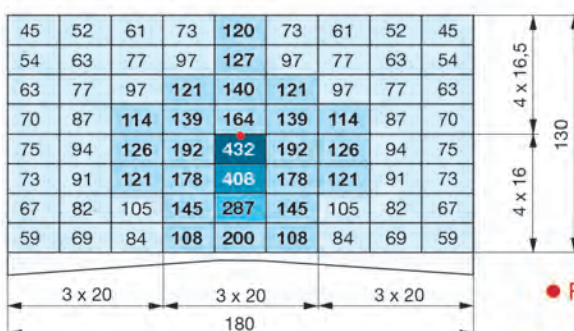
46	46	56	70	91	70	56	46	46
53	65	85	103	131	103	85	65	53
58	73	99	122	163	122	99	73	58
61	77	101	146	202	146	101	77	61
62	77	101	146	202	146	101	77	62
61	77	101	146	202	146	101	77	61
57	71	95	141	202	141	95	71	57
51	62	79	109	202	109	79	62	51

SN5650-PMOK-0180-60°



45	45	52	62	78	62	52	45	45
52	63	78	88	103	88	78	63	52
59	73	96	100	119	100	96	73	59
64	81	109	126	158	126	109	81	64
68	86	118	179	265	179	118	86	68
66	83	113	174	265	174	113	83	66
62	76	100	145	265	145	100	76	62
55	66	83	111	210	111	83	66	55

SN5650-PMOK-0180-70°



45	45	52	61	73	61	52	45	45
54	63	77	97	127	97	77	63	54
63	77	97	121	140	121	97	77	63
70	87	114	139	164	139	114	87	70
75	94	126	192	380	192	126	94	75
73	91	121	178	380	178	121	91	73
67	82	105	145	287	145	105	82	67
59	69	84	108	200	108	84	69	59