

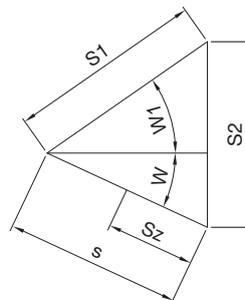
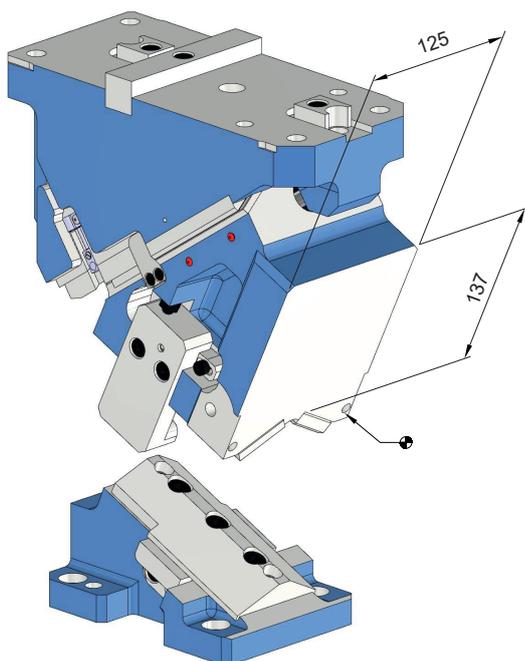
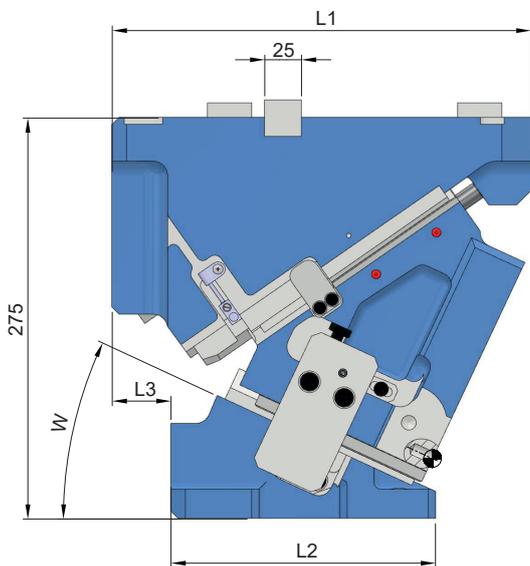


SN5650-PMO-0125-

Oben hängender Schieber

Aerial cam unit

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

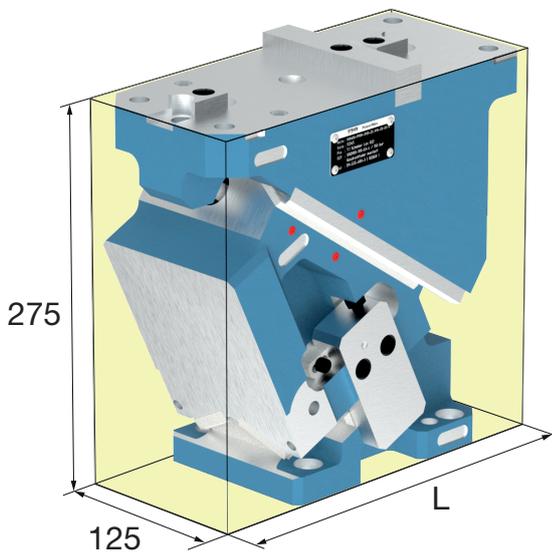
Schieber ausgefahren
Cam is extended

Sz = Eingriffslänge Aktivrückzug
Sz = Engagement length of activ return

SN5650-PMO-0125-

Oben hängender Schieber

Aerial cam unit



E0



E1



G0



S0



S1



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



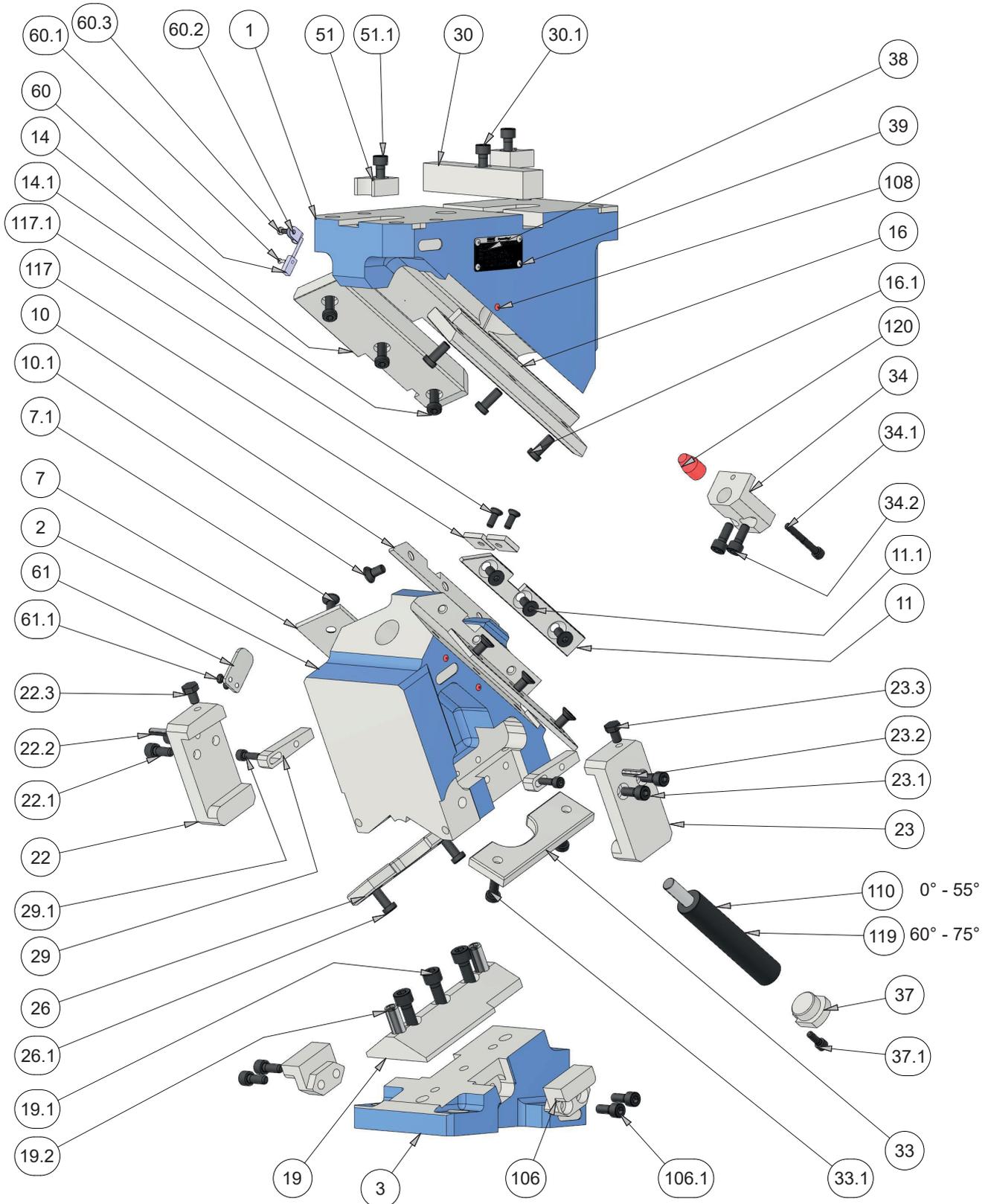
W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
15°	E1	G0	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G0-S1-V04
15°	E1	G1	S0	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G1-S0-V04
15°	E1	G1	S1	295	40	41.2	52	44.1	22	295	220	40	SN5650-PMO-0125-15-E1-G1-S1-V04
20°	E0	G0	S0	285	37	44.2	52	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

SN5650-PMO-0125-

Bauteile Components

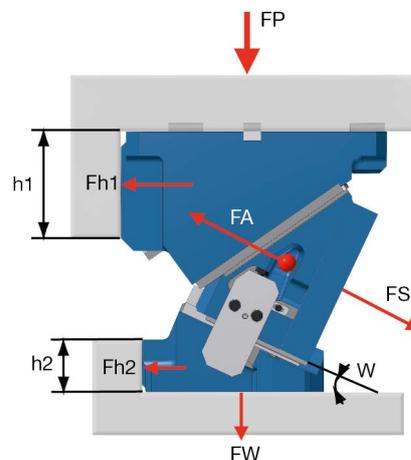


SN5650-PMO-0125-

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

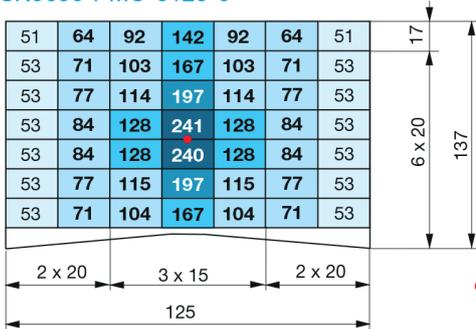
Abschulterung

Shouldering

Passfeder

Fitting Key

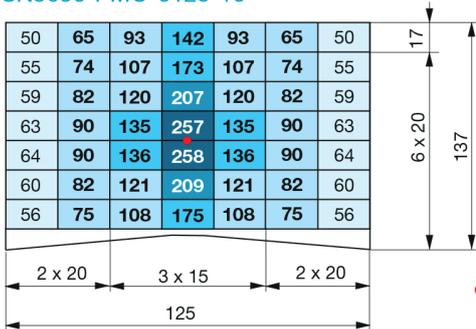
SN5650-PMO-0125-0°



● 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

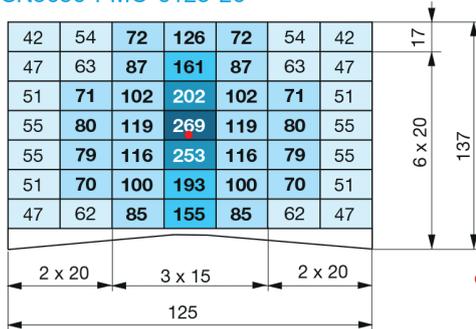
SN5650-PMO-0125-10°



● 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

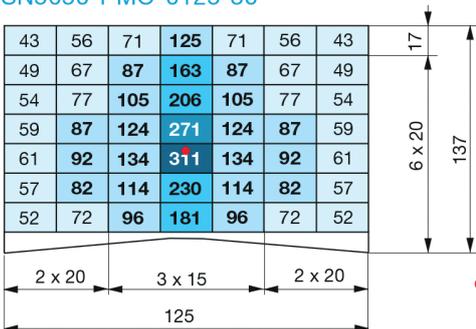
SN5650-PMO-0125-20°



● 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

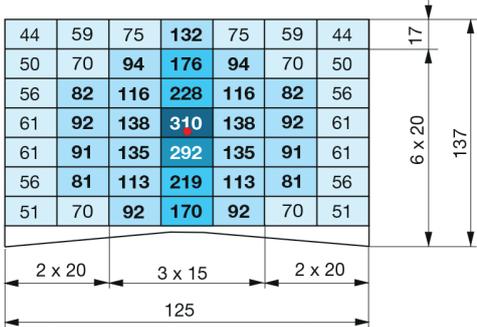
Abschulterung

Shouldering

Passfeder

Fitting Key

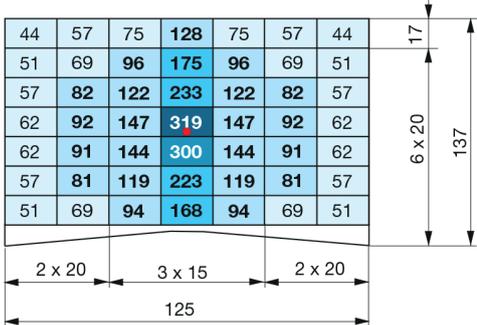
SN5650-PMO-0125-40°



● 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

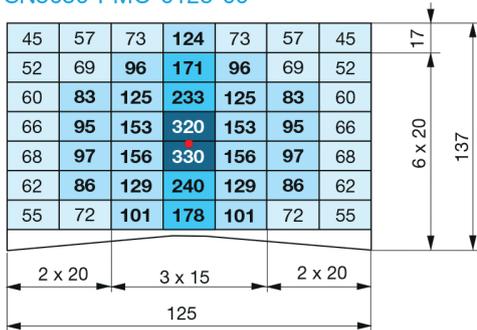
SN5650-PMO-0125-50°



● 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

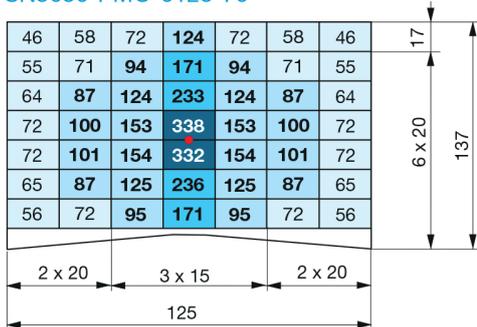
SN5650-PMO-0125-60°



● 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