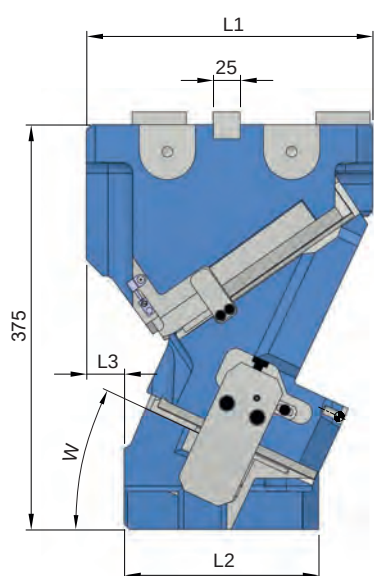


SN5650-PMOK-0330-

Oben hängender Kompakt-Normschieber

Compact aerial cam unit

Arbeitsfläche	Working area	330 x 150 mm
Schieberbreite max.	Cam unit width max.	330 mm
Einbauhöhe	Installation height	375 mm
Schieberkraft	Cam force	> 1017 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:



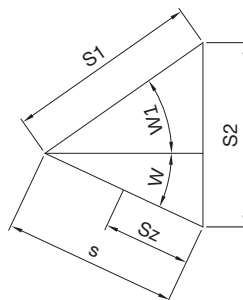
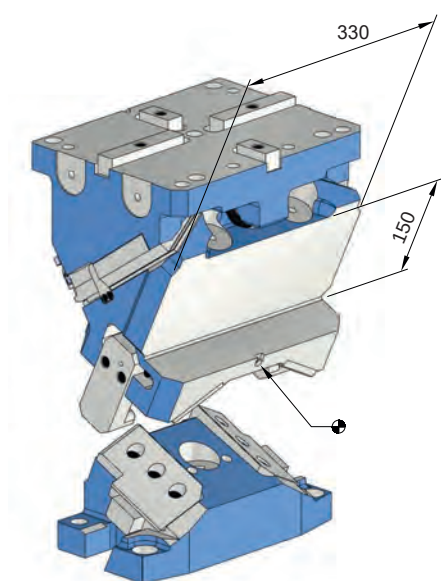
Pos. 1

Schieber zusammengefahren
Cam is moved together



Pos. 2

Schieber ausgefahren
Cam is extended



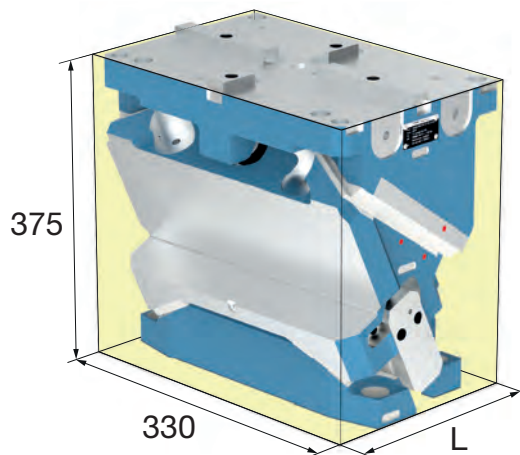
Sz = Eingriffslänge Aktivrückzug

Sz = Engagement length of activ return

SN5650-PMOK-0330-

Oben hängender Kompakt-Normschieber

Compact 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	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E0-G0-S0-V04
0°	E0	G0	S1	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E0-G0-S1-V04
0°	E0	G1	S0	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E0-G1-S0-V04
0°	E0	G1	S1	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E0-G1-S1-V04
0°	E1	G0	S0	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E1-G0-S0-V04
0°	E1	G0	S1	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E1-G0-S1-V04
0°	E1	G1	S0	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E1-G1-S0-V04
0°	E1	G1	S1	265	47	35.5	52	38	20.4	265	225	30	SN5650-PMOK-0330-00-E1-G1-S1-V04
5°	E0	G0	S0	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E0-G0-S0-V04
5°	E0	G0	S1	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E0-G0-S1-V04
5°	E0	G1	S0	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E0-G1-S0-V04
5°	E0	G1	S1	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E0-G1-S1-V04
5°	E1	G0	S0	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E1-G0-S0-V04
5°	E1	G0	S1	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E1-G0-S1-V04
5°	E1	G1	S0	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E1-G1-S0-V04
5°	E1	G1	S1	265	45	36.9	52	40	20.4	265	225	30	SN5650-PMOK-0330-05-E1-G1-S1-V04
10°	E0	G0	S0	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E0-G0-S0-V04
10°	E0	G0	S1	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E0-G0-S1-V04
10°	E0	G1	S0	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E0-G1-S0-V04
10°	E0	G1	S1	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E0-G1-S1-V04
10°	E1	G0	S0	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E1-G0-S0-V04
10°	E1	G0	S1	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E1-G0-S1-V04
10°	E1	G1	S0	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E1-G1-S0-V04
10°	E1	G1	S1	265	42	39.2	52	41.6	26.4	265	220	30	SN5650-PMOK-0330-10-E1-G1-S1-V04
15°	E0	G0	S0	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E0-G0-S0-V04
15°	E0	G0	S1	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E0-G0-S1-V04
15°	E0	G1	S0	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E0-G1-S0-V04
15°	E0	G1	S1	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E0-G1-S1-V04
15°	E1	G0	S0	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E1-G0-S0-V04
15°	E1	G0	S1	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E1-G0-S1-V04
15°	E1	G1	S0	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E1-G1-S0-V04
15°	E1	G1	S1	265	40	41.2	52	44.1	26.4	265	220	30	SN5650-PMOK-0330-15-E1-G1-S1-V04
20°	E0	G0	S0	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E0-G0-S0-V04
20°	E0	G0	S1	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E0-G0-S1-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
20°	E0	G1	S0	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E0-G1-S0-V04
20°	E0	G1	S1	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E0-G1-S1-V04
20°	E1	G0	S0	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E1-G0-S0-V04
20°	E1	G0	S1	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E1-G0-S1-V04
20°	E1	G1	S0	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E1-G1-S0-V04
20°	E1	G1	S1	265	37	44.2	52	46.4	26.4	265	205	35	SN5650-PMOK-0330-20-E1-G1-S1-V04
25°	E0	G0	S0	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E0-G0-S0-V04
25°	E0	G0	S1	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E0-G0-S1-V04
25°	E0	G1	S0	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E0-G1-S0-V04
25°	E0	G1	S1	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E0-G1-S1-V04
25°	E1	G0	S0	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E1-G0-S0-V04
25°	E1	G0	S1	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E1-G0-S1-V04
25°	E1	G1	S0	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E1-G1-S0-V04
25°	E1	G1	S1	265	35	47	52	49.7	26.4	265	205	35	SN5650-PMOK-0330-25-E1-G1-S1-V04
30°	E0	G0	S0	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E0-G0-S0-V04
30°	E0	G0	S1	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E0-G0-S1-V04
30°	E0	G1	S0	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E0-G1-S0-V04
30°	E0	G1	S1	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E0-G1-S1-V04
30°	E1	G0	S0	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E1-G0-S0-V04
30°	E1	G0	S1	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E1-G0-S1-V04
30°	E1	G1	S0	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E1-G1-S0-V04
30°	E1	G1	S1	285	32	50.9	52	53	36.4	285	190	40	SN5650-PMOK-0330-30-E1-G1-S1-V04
35°	E0	G0	S0	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E0-G0-S0-V04
35°	E0	G0	S1	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E0-G0-S1-V04
35°	E0	G1	S0	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E0-G1-S0-V04
35°	E0	G1	S1	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E0-G1-S1-V04
35°	E1	G0	S0	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E1-G0-S0-V04
35°	E1	G0	S1	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E1-G0-S1-V04
35°	E1	G1	S0	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E1-G1-S0-V04
35°	E1	G1	S1	285	30	49.7	47	52	36.4	285	190	40	SN5650-PMOK-0330-35-E1-G1-S1-V04
40°	E0	G0	S0	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E0-G0-S0-V04
40°	E0	G0	S1	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E0-G0-S1-V04
40°	E0	G1	S0	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E0-G1-S0-V04
40°	E0	G1	S1	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E0-G1-S1-V04
40°	E1	G0	S0	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E1-G0-S0-V04
40°	E1	G0	S1	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E1-G0-S1-V04
40°	E1	G1	S0	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E1-G1-S0-V04
40°	E1	G1	S1	285	25	60.2	47	62.5	41.4	285	180	10	SN5650-PMOK-0330-40-E1-G1-S1-V04
45°	E0	G0	S0	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E0-G0-S0-V04
45°	E0	G0	S1	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E0-G0-S1-V04
45°	E0	G1	S0	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E0-G1-S0-V04
45°	E0	G1	S1	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E0-G1-S1-V04
45°	E1	G0	S0	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E1-G0-S0-V04
45°	E1	G0	S1	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E1-G0-S1-V04
45°	E1	G1	S0	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E1-G1-S0-V04
45°	E1	G1	S1	285	27	54.7	47	56.5	41.4	285	180	10	SN5650-PMOK-0330-45-E1-G1-S1-V04
50°	E0	G0	S0	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E0-G0-S0-V04
50°	E0	G0	S1	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E0-G0-S1-V04
50°	E0	G1	S0	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E0-G1-S0-V04
50°	E0	G1	S1	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E0-G1-S1-V04
50°	E1	G0	S0	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E1-G0-S0-V04
50°	E1	G0	S1	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E1-G0-S1-V04
50°	E1	G1	S0	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E1-G1-S0-V04
50°	E1	G1	S1	290	22	67.8	47	69.5	46.4	290	165	0	SN5650-PMOK-0330-50-E1-G1-S1-V04
55°	E0	G0	S0	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E0-G0-S0-V04



W	E	G	SE	L	W1	s	S1	S2	Sz	L1	L2	L3	No.
55°	E0	G0	S1	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E0-G0-S1-V04
55°	E0	G1	S0	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E0-G1-S0-V04
55°	E0	G1	S1	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E0-G1-S1-V04
55°	E1	G0	S0	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E1-G0-S0-V04
55°	E1	G0	S1	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E1-G0-S1-V04
55°	E1	G1	S0	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E1-G1-S0-V04
55°	E1	G1	S1	290	20	68.8	42	70.7	46.4	290	165	0	SN5650-PMOK-0330-55-E1-G1-S1-V04
60°	E0	G0	S0	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E0-G0-S0-V04
60°	E0	G0	S1	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E0-G0-S1-V04
60°	E0	G1	S0	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E0-G1-S0-V04
60°	E0	G1	S1	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E0-G1-S1-V04
60°	E1	G0	S0	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E1-G0-S0-V04
60°	E1	G0	S1	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E1-G0-S1-V04
60°	E1	G1	S0	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E1-G1-S0-V04
60°	E1	G1	S1	315	17	70.8	37	72.1	46.4	290	145	25	SN5650-PMOK-0330-60-E1-G1-S1-V04
65°	E0	G0	S0	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E0-G0-S0-V04
65°	E0	G0	S1	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E0-G0-S1-V04
65°	E0	G1	S0	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E0-G1-S0-V04
65°	E0	G1	S1	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E0-G1-S1-V04
65°	E1	G0	S0	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E1-G0-S0-V04
65°	E1	G0	S1	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E1-G0-S1-V04
65°	E1	G1	S0	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E1-G1-S0-V04
65°	E1	G1	S1	315	15	73.1	32	74.6	36.4	290	145	25	SN5650-PMOK-0330-65-E1-G1-S1-V04

Bauteile
Components

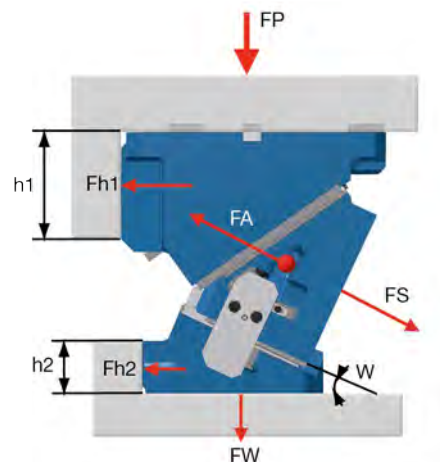


SN5650-PMOK-0330-

Kraftverteilung

Force Distribution

W	FS [kN]	FP [kN]	Fh1 [kN]	FW [kN]	Fh2 [kN]	h1 [mm]	h2 [mm]	FA [kN]
00°	1017	961	1017	961	0	150	50	49
05°	1066	996	983	903	79	150	50	54
10°	1067	1018	904	832	147	140	80	61
15°	1110	1049	868	762	204	140	80	62
20°	1137	1093	812	704	256	125	80	58
25°	1174	1120	773	624	291	125	75	59
30°	1198	1160	714	561	324	110	100	58
35°	1230	1184	673	478	335	110	100	59
40°	1249	1217	610	414	347	125	120	58
45°	1276	1238	567	335	335	125	120	58
50°	1292	1266	501	276	329	140	140	53
55°	1313	1283	457	207	296	140	140	54
60°	1324	1304	389	158	273	150	165	48
65°	1137	1119	290	89	190	150	167	46



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-PMOK-0330-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMOK-0330-0°

93	113	138	175	226	449	226	175	138	113	93
99	121	151	197	263	556	263	197	151	121	99
105	130	165	221	305	689	305	221	165	130	105
109	137	176	242	346	846	346	242	176	137	109
113	143	187	262	387	1096	387	262	187	143	113
114	145	188	263	386	1047	386	263	188	145	114
111	139	178	243	345	820	345	243	178	139	111
107	132	168	223	306	673	306	223	168	132	107
102	124	155	200	264	544	264	200	155	124	102

11 x 30
330

8 x 17
150

• F max. = 1017 kN

79	94	115	148	195	276	195	148	115	94	79
79	94	115	148	194	276	194	148	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	148	194	276	194	148	115	94	79

SN5650-PMOK-0330-10°

102	120	143	177	229	338	229	177	143	120	102
109	131	159	203	271	431	271	203	159	131	109
117	143	177	233	324	674	324	233	177	143	117
123	152	191	257	373	869	373	257	191	152	123
128	159	203	279	421	1134	421	279	203	159	128
130	161	204	279	417	1072	417	279	204	161	130
125	153	192	257	370	835	370	257	192	153	125
120	145	179	234	322	675	322	234	179	145	120
112	134	163	206	272	532	272	206	163	134	112

11 x 30
330

8 x 17
150

• F max. = 1067 kN

102	120	143	177	229	338	229	177	143	120	102
109	131	159	203	271	348	271	203	159	131	109
117	143	177	217	271	348	271	217	177	143	117
123	150	177	217	271	348	271	217	177	150	123
128	150	177	217	271	348	271	217	177	150	128
130	150	177	217	271	348	271	217	177	150	130
125	150	177	217	271	348	271	217	177	150	125
120	145	177	217	271	348	271	217	177	145	120
112	134	163	206	272	348	272	206	163	134	112

SN5650-PMOK-0330-20°

113	129	152	175	175	232	175	175	152	129	113
123	143	172	196	196	265	196	196	172	143	123
134	159	194	232	238	328	238	232	194	159	134
143	170	212	279	324	509	324	279	212	170	143
149	180	227	306	468	1200	468	306	227	180	149
149	179	224	299	447	1061	447	299	224	179	149
143	170	209	273	391	823	391	273	209	170	143
135	158	192	243	330	648	330	243	192	158	135
124	143	170	208	269	498	269	208	170	143	124

11 x 30
330

8 x 17
150

• F max. = 1137 kN

113	129	152	175	175	232	175	175	152	129	113
123	143	172	196	196	265	196	196	172	143	123
134	159	194	232	238	328	238	232	194	159	134
143	170	212	279	324	460	324	279	212	170	143
149	180	227	279	357	460	357	279	227	180	149
149	179	224	279	357	460	357	279	224	179	149
143	170	209	273	357	460	357	273	209	170	143
135	158	192	243	330	460	330	243	192	158	135
124	143	170	208	269	460	269	208	170	143	124

SN5650-PMOK-0330-30°

84	103	129	164	213	425	213	164	129	103	84
89	110	140	181	241	517	241	181	140	110	89
94	117	152	199	275	631	275	199	152	117	94
98	123	162	216	310	762	310	216	162	123	98
101	128	172	233	345	959	345	233	172	128	101
104	133	180	246	371	1116	371	246	180	133	104
102	129	171	230	335	862	335	230	171	129	102
99	124	162	213	301	702	301	213	162	124	99
95	118	152	197	267	585	267	197	152	118	95

11 x 30
330

8 x 17
150

• F max. = 1198 kN

84	103	126	151	181	225	181	151	126	103	84
89	107	126	150	180	225	180	150	126	107	89
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93
93	107	126	149	179	225	179	149	126	107	93

SN5650-PMOK-0330-

Schieberkräfte

Cam Force

Abschulterung

Shouldering

Passfeder

Fitting Key

SN5650-PMOK-0330-40°

93	113	138	175	226	449	226	175	138	113	93
99	121	151	197	263	556	263	197	151	121	99
105	130	165	221	305	689	305	221	165	130	105
109	137	176	242	346	846	346	242	176	137	109
113	143	187	262	387	1096	387	262	187	143	113
114	145	188	263	386	1047	386	263	188	145	114
111	139	178	243	345	820	345	243	178	139	111
107	132	168	223	306	673	306	223	168	132	107
102	124	155	200	264	544	264	200	155	124	102

11 x 30
330

8 x 17
150

● F max. = 1249 kN

79	94	115	148	195	276	195	148	115	94	79
79	94	115	148	194	276	194	148	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	147	192	276	192	147	115	94	79
79	94	115	148	194	276	194	148	115	94	79

SN5650-PMOK-0330-50°

102	120	143	177	229	338	229	177	143	120	102
109	131	159	203	271	431	271	203	159	131	109
117	143	177	233	324	674	324	233	177	143	117
123	152	191	257	373	869	373	257	191	152	123
128	159	203	279	421	1134	421	279	203	159	128
130	161	204	279	417	1072	417	279	204	161	130
125	153	192	257	370	835	370	257	192	153	125
120	145	179	234	322	675	322	234	179	145	120
112	134	163	206	272	532	272	206	163	134	112

11 x 30
330

8 x 17
150

● F max. = 1292 kN

102	120	143	177	229	338	229	177	143	120	102
109	131	159	203	271	348	271	203	159	131	109
117	143	177	217	271	348	271	217	177	143	117
123	150	177	217	271	348	271	217	177	150	123
128	150	177	217	271	348	271	217	177	150	128
130	150	177	217	271	348	271	217	177	150	130
125	150	177	217	271	348	271	217	177	150	125
120	145	177	217	271	348	271	217	177	145	120
112	134	163	206	272	348	272	206	163	134	112

SN5650-PMOK-0330-60°

113	129	152	175	175	232	175	175	152	129	113
123	143	172	196	196	265	196	196	172	143	123
134	159	194	232	238	328	238	232	194	159	134
143	170	212	279	324	509	324	279	212	170	143
149	180	227	306	468	1200	468	306	227	180	149
149	179	224	299	447	1061	447	299	224	179	149
143	170	209	273	391	823	391	273	209	170	143
135	158	192	243	330	648	330	243	192	158	135
124	143	170	208	269	498	269	208	170	143	124

11 x 30
330

8 x 17
150

● F max. = 1324 kN

113	129	152	175	175	232	175	175	152	129	113
123	143	172	196	196	265	196	196	172	143	123
134	159	194	232	238	328	238	232	194	159	134
143	170	212	279	324	460	324	279	212	170	143
149	180	227	279	357	460	357	279	227	180	149
149	179	224	279	357	460	357	279	224	179	149
143	170	209	273	357	460	357	273	209	170	143
135	158	192	243	330	460	330	243	192	158	135
124	143	170	208	269	460	269	208	170	143	124