

# Assistance for finding the right locks and fittings

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Windows, inward-opening Side-hung/bottom-hung, single-light and double-light with mullion Side-hung, double-light without mullion	
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Glazed doors, inward- and outward-opening Single doors Double doors	
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# New item numbers for espagnolettes and multi point locks

Old no. New no. Sct Pg		Old no.	New no.	Sct	Pg	Old no.	New no.	Sct	Pg	Old no.	New no.	Sct	Pg		
719, 719S	S1601	С	32	891, 891F	S1101	С	35	1060FM	S2452	С	65	6025	M5600	D	83
738	S1604	С	31	896, 896F	S3101	С	37	1061, 1061F	S2151	С	35	6026	M5602	D	83
739, 739S	S1605	С	32	946, 946F	S3161	С	37	1062	S2157	С	35	6151	M5601	D	83
825	S8158	С	54	949F	S3453	С	39	1063	S2158	С	35	7025	M5700	D	84
8450F	S3158	С	61	951, 951F	S3251	С	40	1080F	S2454	С	63	7026	M5703	D	84
845F	S3157	С	61	959F	S3551	С	40	1091, 1091F	S2101	С	35	7151	M5701	D	84
846, 846F	S3151	С	37	960	S1751	С	57	1096, 1096F	S4101	С	37	8512	S1359	С	37
849F	S3451	С	39	990	S1754	С	57	1146, 1146F	S4161	С	37	8512	S1359	С	35
849F	S3451	С	65	996, 996F	S3111	С	37	1149F	S4461	С	39	8640	S1164	С	34
849FM	S3452	С	65	1013F	S2453	С	63	1196, 1196F	S4111	С	37	8650	S1165	С	33
860F	S1451	С	38	1042	S4157	С	37	1604	S2159	С	35	8653	S1162	С	33
860F	S1451	С	65	1043	S4158	С	37	2000	M5200	D	80	8670, 8670F	S1167	С	60
860FM	S1452	С	65	1046, 1046F	S4151	С	37	2001	M5202	D	80	8750	S8452	С	67
861, 861F	S1151	С	35	1049F	S4451	С	39	2002	M5201	D	80	8751	S8454	С	67
865	S1161	С	33	1049F	S4451	С	65	2024	M5100	D	79	8752	S8457	С	67
865K	S1163	С	33	1049FM	S4452	С	65	2025	M5000	D	79	8813	S8551	С	68
867, 867F	S1166	С	60	1051, 1051F	S4251	С	40	2026	M5002	D	81	8814	S8552	С	68
868F	S1453	С	64	1059F	S4551	С	40	2150	M5001	D	81	8840	S8651	С	68
881	S8151	С	38	1060F	S2451	С	38	2151	M5101	D	81				
882	S8251	С	66	1060F	S2451	С	65	2152	M5017	С	66				

Item no.	Description	Sct Pg	Item no.	Description	Sc	t Pg
4	Handle	G 140	150S	Friction door holder/		
8 H	Handle	G 140	4.00	Window friction casement sta	уI	171
8 V	Handle	G 140	160	Friction door holder/ Window friction casement sta	v I	171
17	Handle	G 138	160S	Friction door holder/	уі	17.1
23	Window closer	G 157	1003	Window friction casement sta	γI	171
24	Handle	G 140	168R	Receiver, end, grab and	,	
34	Pull handle	G 154		wedge bolt	F	115
42	Handle	G 137	184	Restrictor	I	179
42 H 42 V	Handle	G 137 G 137	202	Casement stay	- !	176
42 V 51	Handle Handle	G 137	203	Window stay restrictor	!	181
55	Handle	H 162	220	Casement stay	!	176
56	Triangular pin	G 142	225 230	Casement stay	- 1	177 177
62	Receiver, large wedge bolt	F 106	244	Casement stay Side bolt	J	196
62R	Receiver, large wedge bolt	F 106	270	Door holder	ı	187
63	Receiver, large wedge bolt	F 106	270	Door holder	J	205
63R	Receiver, large wedge bolt	F 10	271	Door holder	ı	187
66R	Receiver	C 59	271	Door holder	J	205
66R	Receiver	F 116	280	Bolt	J	194
67	Receiver	C 59	280L	Bolt, lockable	J	194
68	Receiver	C 59	285	Panic bolt	J	195
68	Espagnolette	C 36	328	Friction door holder	- 1	186
69	Receiver, end, grab and wedge bolt	F 114	328A	Friction door holder	- 1	186
69	Dead lock	C 59	337	Catch	G	157
69R	Receiver, end,	0 00	338D	Catch	G	157
0011	grab and wedge bolt	F 114	351/13	Receiver	J	197
70	Window closer	G 157	351/19	Receiver	J	197
071	Receiver	C 59	351/19	Receiver	J	199
71	Dead lock	C 59	352/13 352/19	Receiver Receiver	J J	197 197
73	Door handle	G 127	352/19	Receiver	J	199
74	Espagnolette	C 36	353/13	Receiver	J	197
76	Handle	G 138	353/19	Receiver	J	197
76 H	Handle	G 138	354/13	Rod guide	J	193
76 V 77D	Handle Catch	G 138 G 157	354/19	Rod guide	J	193
80	Sash coupler	C 75	368	Espagnolette	С	36
83	Handle	G 135	374	Espagnolette	С	36
83 H	Handle	G 135	392	Window catch	I	180
83 V	Handle	G 135	393	Window catch	1	180
84	Restrictor	I 179	423	Handle	Н	166
85	Ventilation stay	I 179	440	Door holder	١.	184
86	Ventilation stay	l 179	450	Door lock	J	203
92	Ventilation stay	l 178	480 485	Door lock Gate lock	J	203 204
93	Ventilation stay	I 178	520	Door holder	J	183
94	Pull handle	G 154	522	Friction casement stay	i	175
95	Handle	G 139	523T	Friction door holder	i	185
9507	Handle	G 139	532	Friction casement stay	i	175
95 H 95 V	Handle	G 139	533T	Friction door holder	İ	185
	Handle	G 139 e C 44	534R	Friction door holder	1	185
96 96 CA	Espagnolette made-to-measur Espagnolette made-to-measur		550	Lock housing	Н	162
96S	Espagnolette made-to-measur		550	Surface-mounted espagnolett	е Н	161
96S CA	Espagnolette made-to-measur		560/13	Lock housing	J	193
97	Espagnolette made-to-measur		560/13	Bolt	J	192
98	Handle	G 134	560/19	Lock housing	J	193
99	Receiver	H 167	560/19	Bolt	J	192
110	Door lock	J 202	560L/19	Bolt Crab balt	J	192
115	Door lock	J 202	564 575	Grab bolt Bolt	J	196
145	Triangular key	G 142	575 580	Boit Door holder	J J	191 206
146	Side bolt	C 72	590	Lock housing	Н	206 164
150	Friction door holder/	y I 171	590	Surface-mounted espagnolett		
	Window friction casement star	y i 1/1		_aaccoai itoa oopagi lolott		. 00



Item no.	Description	Sct Pg	Item no.	Description	Sct Pg
603	Snap lock	H 167	1010	Receiver end bolt	F 119
612	Espagnolette made-to-measu		1072	Receiver	H 164
	1 0				
612 CA 612S	Espagnolette made-to-measu		1073	Receiver	H 164 J 201
	Espagnolette made-to-measu		1100 1105	Door handle Door handle	
612S CA	Espagnolette made-to-measu				J 201
622R	Receiver, large wedge bolt	F 106	1115	Inside lock housing	J 200
634	Receiver, large wedge bolt	F 107	1120	Security cover	J 201
644	Receiver, large wedge bolt	F 107	1125	Cover plate	J 201
654	Receiver, large wedge bolt	F 107	1126	Cover plate	J 201
664	Door handle	J 194	1157	Receiver, small wedge bolt	F 101
680	Receiver	H 164	1185	End bolt	J 201
681	Rod guide	H 164	1191	Rod guide	J 201
690	Lock housing	J 199	1215	Security flush bolt	C 72
690	Bolt	J 198	1220	Security flush bolt	C 72
700	Bolt	J 200	1220MB	Security flush bolt, micro	C 72
705	Bolt	J 200	1440	Safety pin	C 73
716	Cylinder, Vinga	G 128	1531	End bolt	H 164
717	Receiver, large wedge bolt	F 108	1650	Frame fixture	I 172
740	Friction casement stay	I 174	1654	Sliding plate	C 74
742	Espagnolette made-to-measu		1710	Door handle	J 191
7.40	hook bolt	C 52	1763	Receiver, end bolt	F 119
742	Espagnolette made-to-measi wedge bolt	ure, C 50	1847	Receiver	J 197
750	Friction casement stay	l 174	1857	Plate	G 142
760	-	1 174	1857T	Plate	G 142
	Friction casement stay		2130	Handle set, lockable	G 148
805	Security device	G 144 C 75	2133	Receiver	H 164
806	Handle fixture		2144	Handle locking device	G 136
811	Triangular handle		2145	Handle locking device	G 136
823	Cover plate	G 142	2162	Handle	G 136
831	Elbow fitting	l 182	2265	Handle	G 149
833	Handle coupling	G 137	2265S8350	Security handle	G 149
833/16	Handle coupling	G 137	2384	Receiver	G 149
835S	Security handle	G 145	2521	Receiver, large wedge bolt	F 104
835SH	Security handle	G 145	2530	Inside handle	J 199
835SV	Security handle	G 145	2540	Inside handle	J 199
836S	Security device	G 144	2547	Bolt	J 199
837S	Security handle	G 145	2548	Bolt	J 199
837SH	Security handle	G 145	2550	Door handle	J 199
837SV	Security handle	G 145	2554	Rod guide	J 199
840	Handle locking device	G 143	2555	Lock bracket	J 199
841S	Mounting plate	G 146	2556	Rod guide	J 199
842	Handle fixture	C 75	2558	Lock bracket	J 199
844S	Security handle	G 150	2581	Receiver, large wedge bolt	F 104
844SH	Security handle	G 150	2590	Receiver, end, grab and	
844SV	Security handle	G 150		wedge bolt	F 115
850	Handle locking device	G 143	2591	Accessory, receiver	F 115
873	Protective plate	C 74	2592	Accessory, receiver	F 115
874	Sliding plate	C 74	2700	Security receiver, hook bolt	F 109
876S	Security handle	G 150	2701	Security receiver, hook bolt	F 109
876SH	Security handle	G 150	2760	Dead lock	C 59
876SV	Security handle	G 150	2820	Window lock	G 152
895S	Security handle	G 150	2830	Window lock	G 152
895SH	Security handle	G 150	2830E	Window lock with indication	G 152
895SV	Security handle	G 150	2858	Inside handle	J 191
923	Receiver	J 202	2940	Pushbutton cylinder	H 165
942	Espagnolette made-to-measi		2950	Security receiver, hook bolt	F 109
0.40	hook bolt	C 48	3045	Pivot hinge	I 188
942	Espagnolette made-to-measi wedge bolt	ure, C 46	3074	Raising plate	H 164
961	Handle coupling	G 137	3085	Receiver	J 193
994	Handle Coupling	H 164	3230	Receiver	H 156
1005	Receiver, small wedge bolt	F 101	3389	Plug	H 165
1010	Receiver	C 56	3395	Raising plate	H 164
1010	I IOOOIVOI	0 00	3750	Receiver, bolt and dead bolt	F 112

ltom no	Description	Cot Do	Itam no	Description	Cod	. Da
Item no.	Description	Sct Pg	Item no.	Description		t Pg
3938	Receiver	H 164	5816	Cylinder, Vinga		155
3952	Rod guide	H 164	5816	Cylinder, Vinga	G	128
3954	Receiver	C 54	5908	Receiver, small wedge bolt	F	102
3954	Receiver	F 116	5950	Receiver, bolt and dead bolt	F	113
3976	Fixing plate	I 183	5970	Security receiver, hook bolt	F	110
4014	Receiver, bolt and dead bolt	F 112	5994	Receiver, bolt and dead bolt	F	113
4023	Receiver, bolt and dead bolt	F 112	7287	Pushbutton cylinder	G	153
4058	Coupling plate	C 71	7310	Cylinder, Vinga	G	155
4059	Fixing plate	C 71	7310	Cylinder, Vinga	G	128
4068	Rod guide	H 162	7311	Handle	G	123
4081	Cylinder ring	H 165	7311	Mounting example, Vinga	G	132
4082	Receiver	H 162	7311	Mounting example, Vinga	G	133
4083	Receiver	H 162	7311 H	Handle	G	123
4087	Cover plate	C 70	7311 V	Handle	G	123
4207	Handle	G 137	7312 H	Handle, lockable	G	125
4207 H	Handle	G 137	7312 V	Handle, lockable	G	125
4207 V	Handle	G 137	7312	Handle, lockable	G	125
4285	Mounting plate	G 143	7313	Turn catch	G	129
4389	Rod guide	H 162	7314	Handle, lockable	G	126
4408	Protection plate	C 70	7314	Mounting example, Vinga	G	131
4412	Nut washer	C 71	7315	Handle, lockable	G	126
4428	Turn catch	C 70	7315	Mounting example, Vinga	G	131
4484	Pushbutton cylinder	G 151	7314 H	Handle, lockable	G	126
4548	Spacer plate	G 144	7314 V	Handle, lockable	G	126
4652	Receiver	H 162	7315 H 7315 V	Handle, lockable Handle, lockable	G G	126 126
4652	Receiver	H 164	7313 V 7323	Cover plate	G	129
4698	Receiver, end, grab and	11 101	7325 7335	Turn catch	G	129
4000	wedge bolt	F 114	7343 H	Handle	G	129
4700	Security receiver, hook bolt	F 109	7343 T 7343 V	Handle	G	124
4709	Pull handle	J	7344 7344	Spacer plate	G	130
2004710	Security receiver, hook bolt	F 110	7352	Fixing plate	G	130
4762	Receiver faceplate	C 37	7360	Handle	G	127
4800	Receiver, end bolt	F 119	7390	Key plate	G	127
4915	Receiver, bolt and dead bolt	F 112	7450	Handle locking device	G	129
4919	Pin	G 151	7500	Door Guard	G	155
4926	Mounting plate	G 151	8307	Handle	G	135
4950	Security receiver, hook bolt	F 110	8307 H	Handle	G	135
4966	Rod guide	F 117	8307 V	Handle	G	135
4966	Rod guide	C 54	8310	Elbow fitting	Ī	182
4973	Rower coupling	H 164	8312	Side bolt	С	73
4986	Spacer device	G 130	8350S	Security handle	G	147
4995	Sliding plate	C 74	8350SH	Security handle	G	147
5127	Receiver, small wedge bolt	F 101	8350SV	Security handle	G	147
5144	Receiver, large wedge bolt	F 105	8465S	Security handle	G	149
5145	Receiver, large wedge bolt	F 105	8650	Espagnolette	С	33
5145Z	Receiver, large wedge bolt	F 104	8653	Espagnolette	С	33
5148	Receiver, large wedge bolt	F 105	9312	Side bolt	С	73
5150	Receiver, bolt and dead bolt	F 113	9507	Handle	G	139
5152	Receiver, large wedge bolt	F 104	9507 H	Handle	G	139
5190	Receiver, small wedge bolt	F 101	9507 V	Handle	G	139
5190	Receiver, small wedge bolt		730389	Accessory, receiver	F	115
			730681	Rod guide	С	56
5325 5365	Fixing plate	G 146 G 146	730681	Rod guide	F	117
	Fixing plate		A067	Receiver	F	118
5419	Receiver	J 202	A068	Receiver	F	118
5420 5510	Receiver	J 202	A071	Receiver	F	118
5512	Rod guide	C 56	A074	Receiver	F	118
5512	Rod guide	F 117	A079	Receiver	F	118
5520	Receiver, large wedge bolt	F 105	B715	Receiver, small wedge bolt	F	102
5540	Evacuation cover	C 675	B730	Receiver	F	117
5550T	Frame fixture	I 172	B924S	Receiver, large wedge bolt	F	108
5580	Frame fixture	l 172	B926	Receiver, end bolt	F	120
5600	Espagnolette	C 56	B933	Receiver, end bolt	F	119
5738	Receiver, small wedge bolt	F 102	B954	Receiver, large wedge bolt	F	108



Item no	-	Description		t Pg
B997		Receiver, large wedge bolt	F	108
C168		Receiver	F	116
C270		Receiver Receiver	С	56 57
C270 C270		Receiver, end, grab and	U	57
0210		wedge bolt	F	114
C887		Receiver, hook bolt	F	111
C888		Security receiver, hook bolt	F	110
C1001		Receiver	F	116
CA60		Receiver, small wedge bolt	F	103
D110196		Pivot hinge	1	188
D11022		Hinge	I	188
D120410 D120411		Handle Handle	G G	156 156
D150016		Sliding door ring	G	156
D15004		Sliding door ring	G	156
D15004		Sliding door recess grip	G	156
D150046		Sliding door recess grip	G	156
G21021	6405	Handle, stainless	G	141
G21021	6415 H	Handle, stainless	G	141
G21021		Handle, stainless	G	141
G21031		Handle, stainless	G	141
G21031		Handle, stainless	G	141
G21031	0420 V	Handle, stainless	G	141
Item no	. Old no.	Description	Sct	t Pg
M5000	2025	Multi point lock	D	79
M5001	2150	Multi point lock,		
		made-to-measure	D	81
M5002	2026	Multi point lock, made-to-measure	D	81
M5017	2152	Multi point lock,	D	01
100017	2102	made-to-measure	С	66
M5100	2024	Multi point lock	D	79
M5101	2151	Multi point lock,		
1.45000	0000	made-to-measure	D	81
M5200	2000	Multi point lock	D	80
M5201	2002	Multi point lock	D	80
M5202 M5300	2001	Multi point lock Multi point lock	D D	80 82
M5400		Multi point lock	D	82
M5500		Multi point lock	D	82
M5600	6025	Multi point lock	D	83
M5601	6151	Multi point lock	D	83
M5602	6026	Multi point lock	D	83
M5700	7025	Multi point lock	D	84
M5701	7151	Multi point lock	D	84
M5703	7026	Multi point lock	D	84
S1101	891, 891F	Espagnolette made-to-measure	e C	35
S1151	861, 861F	Espagnolette made-to-measure	e C	35
S1161	865	Espagnolette	С	33
S1162	8653	Espagnolette	С	33
S1163	865K	Espagnolette	С	33
S1164	8640	Espagnolette	С	34
S1165	8650	Espagnolette	С	33
S1166	867, 867F	Espagnolette Espagnolette	С	60 60
S1167 S1359	8670, 8670F 8512	Espagnolette Coupling piece	C	60 37
S1359	8512	Espagnolette made-to-measure		35
S1451	860F	Espagnolette made-to-measure		38
S1451	860F	Espagnolette made-to-measure		65
S1452	860FM	Espagnolette made-to-measure		65
S1453	868F	Espagnolette	С	64
S1601	719, 719S	Espagnolette made-to-measure	e C	32
S1604	738	Espagnolette	С	31

Item no	. Old no.	Description Sc	t Pg
S1605	739, 739S	Espagnolette made-to-measure C	32
S1751	960	Espagnolette made-to-measure C	57
S1754	990	Espagnolette made-to-measure C	57
S1801		Espagnolette C	58
S2101	1091, 1091F	Espagnolette made-to-measure C	35
S2151	1061, 1061F	Espagnolette made-to-measure C	35
S2157	1062	Spanjoflex C	35
S2158	1063	Spanjoflex C	35
S2159	1064_	Spanjoflex C	35
S2451	1060F	Espagnolette made-to-measure C	38
S2451	1060F	Espagnolette made-to-measure C	65
S2452	1060FM	Espagnolette made-to-measure C	65
S2453	1013F	Espagnolette C	63
S2454	1080F	Espagnolette C	63
S3101	896, 896F	Espagnolette made-to-measure C	37
S3107		Espagnolette made-to-measure C	62
S3111	996, 996F	Espagnolette made-to-measure C	37
S3151	846, 846F	Espagnolette made-to-measure C	37
S3157	845F	Espagnolette C	61
S3158	8450F	Espagnolette C	61
S3161	946, 946F	Espagnolette made-to-measure C	37
S3251	951, 951F	Espagnolette made-to-measure C	40
S3451	849F	Espagnolette made-to-measure C	39
S3451	849F	Espagnolette made-to-measure C	65
S3452	849FM	Espagnolette made-to-measure C	65
S3453	949F	Espagnolette made-to-measure C	39
S3551	959F	Espagnolette made-to-measure C	40
S4101	1096, 1096F	Espagnolette made-to-measure C	37
S4107		Espagnolette made-to-measure C	62
S4111	1196, 1196F	Espagnolette made-to-measure C	37
S4115		Espagnolette made-to-measure C	62
S4151	1046, 1046F	Espagnolette made-to-measure C	37
S4157	1042	Spanjoflex C	37
S4158	1043	Spanjoflex C	37
S4159	1044	Spanjoflex C	37
S4161	1146, 1146F	Espagnolette made-to-measure C	37
S4251	1051, 1051F	Espagnolette made-to-measure C	40
S4451	1049F	Espagnolette made-to-measure C	39
S4451	1049F	Espagnolette made-to-measure C	65
S4452	1049FM	Espagnolette made-to-measure C	65
S4461	1149F	Espagnolette made-to-measure C	39
S4551	1059F	Espagnolette made-to-measure C	40
S8151	881	Espagnolette made-to-measure C	38
S8158	825	Espagnolette made-to-measure C	54
S8251	882	Espagnolette made-to-measure C	66
S8452	8750	Espagnolette made-to-measure C	67
S8454	8751	Espagnolette made-to-measure C	67
S8457	8752	Espagnolette made-to-measure C	67
S8551	8813	Espagnolette made-to-measure C	68
S8552	8814	Espagnolette made-to-measure C	68
S8651	8840	Espagnolette made-to-measure C	68
S8654		Espagnolette made-to-measure C	69

Description	Item no. Old no.	Sct	Pg	Description	Item no	D.	Sct	Pg
Accessory, receiver	2591	F	115	Espagnolette made-to-measure			С	45
Accessory, receiver	2592	F	115	Espagnolette made-to-measure			C	44
Accessory, receiver	730389	F	115	Espagnolette made-to-measure		A	C	45
Bolt	2547	J	199	Espagnolette made-to-measure			С	45
Bolt	2548	J	199	Espagnolette made-to-measure			С	44
Bolt	280	J	194	Espagnolette made-to-measure	96S CA		С	45
Bolt	560/13	J	192	Espagnolette made-to-measure	S1101	891, 891F	С	35
Bolt	560/19	J	192	Espagnolette made-to-measure	S1151	861, 861F	С	35
Bolt	560L/19	J	192	Espagnolette made-to-measure	S1359	8512	С	35
Bolt	575	J	191	Espagnolette made-to-measure	S1451	860F	С	38
Bolt	690	J	198	Espagnolette made-to-measure		860F	С	65
Bolt	700	J	200	Espagnolette made-to-measure	S1452	860FM	С	65
Bolt	705	J	200	Espagnolette made-to-measure		719, 719S	С	32
Bolt, lockable	280L	J	194	Espagnolette made-to-measure		739, 739S	С	32
Casement stay	202	 	176	Espagnolette made-to-measure		960	С	57
Casement stay	220	!	176	Espagnolette made-to-measure		990	С	57
Casement stay	225		177	Espagnolette made-to-measure		1091,1091F	С	35
Casement stay	230	I	177	Espagnolette made-to-measure		1061,1061F	С	35
Catch	337	G	157	Espagnolette made-to-measure		1060F	С	38
Catch	338D	G	157	Espagnolette made-to-measure		1060F	С	65
Catch	77D	G	157	Espagnolette made to measure		1060FM 896, 896F	С	65 37
Coupling piece Coupling plate	S1359 8512 4058	C C	37 71	Espagnolette made to measure		896, 8965	C C	37 62
Coupling plate  Cover plate	1125	J	201	Espagnolette made-to-measure Espagnolette made-to-measure		996, 996F	C	37
Cover plate Cover plate	1126	J	201	Espagnolette made-to-measure		846, 846F	C	37
Cover plate Cover plate	4087	C	70	Espagnolette made-to-measure		946, 946F	C	37
Cover plate	7323	G	129	Espagnolette made-to-measure		951, 951F	C	40
Cover plate	823	G	142	Espagnolette made-to-measure		849F	C	39
Cylinder ring	4081	H	165	Espagnolette made-to-measure		849F	C	65
Cylinder, Vinga	5816	G	128	Espagnolette made-to-measure		849FM	C	65
Cylinder, Vinga	5816	G	155	Espagnolette made-to-measure		949F	C	39
Cylinder, Vinga	716	G	128	Espagnolette made-to-measure		959F	Ċ	40
Cylinder, Vinga	716	G	155	Espagnolette made-to-measure		1096,1096F	С	37
Cylinder, Vinga	7310	G	128	Espagnolette made-to-measure	S4107		С	62
Cylinder, Vinga	7310	G	155	Espagnolette made-to-measure	S4111	1196, 1196F	С	37
Dead lock	2760	С	59	Espagnolette made-to-measure	S4115		С	62
Dead lock	69	С	59	Espagnolette made-to-measure	S4151	1046, 1046F	С	37
Dead lock	71	С	59	Espagnolette made-to-measure		1146, 1146F	С	37
Door guard	7500	G	155	Espagnolette made-to-measure	S4251	1051, 1051F	С	40
Door handle	1100	J	201	Espagnolette made-to-measure		1049F	С	39
Door handle	1105	J	201	Espagnolette made-to-measure		1049F	С	65
Door handle	1710	J	191	Espagnolette made-to-measure		1049FM	С	65
Door handle	2550	J	199	Espagnolette made-to-measure		1149F	С	39
Door handle	664	J	194	Espagnolette made-to-measure		1059F	С	40
Door handle	73 270	G	127 187	Espagnolette made-to-measure Espagnolette made-to-measure		881 825	C C	38 54
Door holder Door holder	270	J	205	Espagnolette made-to-measure		882	C	66
Door holder	271	J	187	Espagnolette made-to-measure		8750	C	67
Door holder	271	J	205	Espagnolette made-to-measure		8751	C	67
Door holder	440	ı	184	Espagnolette made-to-measure		8752	C	67
Door holder	520	i	183	Espagnolette made to measure		8813	C	68
Door holder	580	J	206	Espagnolette made-to-measure		8814	C	68
Door lock	110	J	202	Espagnolette made-to-measure		8840	C	68
Door lock	115	Ĵ	202	Espagnolette made-to-measure		00.0	Ċ	69
Door lock	450	J	203	Espagnolette made-to-measure				
Door lock	480	J	203	hook bolt	•	742	С	50
Elbow fitting	831	1	182	Espagnolette made-to-measure	١,	=	_	
Elbow fitting	8310	1	182	hook bolt		742	С	52
End bolt	1185	J	201	Espagnolette made-to-measure hook bolt	,	942	С	46
End bolt	1531	Н	164	Espagnolette made-to-measure		J74	J	+0
Espagnolette made-to-measure	96	С	44	hook bolt	,	942	С	48
Espagnolette made-to-measure		С	42	Espagnolette	368		С	36
Espagnolette made-to-measure	612	С	44					



Description	Item no. Old no.	Sct	Pg	Description	Item no.	Sct Pg
Espagnolette	374	С	36	Handle	7311	G 123
Espagnolette	5600	С	56	Handle	7343 H	G 124
Espagnolette	68	С	36	Handle	7343 V	G 124
Espagnolette	74	С	36	Handle	7360	G 127
Espagnolette	S1161 865	С	33	Handle	76 H	G 138
Espagnolette	S1162 8653	С	33	Handle	76 V	G 138
Espagnolette	S1163 865K	С	33	Handle	76	G 138
Espagnolette	S1164 8640	С	34	Handle	8 H	G 140
Espagnolette	S1165 8650	С	33	Handle	8 V	G 140
Espagnolette	S1166 867, 867F	С	60	Handle	83 H	G 135
Espagnolette	S1167 8670,8670F	С	60	Handle	83 V	G 135
Espagnolette	S1453 868F	С	64	Handle	83	G 135
Espagnolette	S1604 738	С	31	Handle	8307 H	G 135
Espagnolette	S1801	С	58	Handle	8307 V	G 135
Espagnolette	S2453 1013F	С	63	Handle	8307	G 135
Espagnolette	S2454 1080F	С	63	Handle	95 H	G 139
Espagnolette	S3157 845F	С	61	Handle	95 V	G 139
Espagnolette	S3158 8450F	С	61	Handle	95	G 139
Evacuation cover	5540	С	67	Handle	9507 H	G 139
Fixing plate	3976	- 1	183	Handle	9507 V	G 139
Fixing plate	4059	С	71	Handle	9507	G 139
Fixing plate	5325	G	146	Handle	98	G 134
Fixing plate	5365	G	146	Handle	994	H 164
Fixing plate	7352	G	130	Handle	D120416	G 156
Frame fixture	1650	1	172	Handle	D120417	G 156
Frame fixture	5550T	1	172	Handle coupling	833	G 137
Frame fixture	5580	1	172	Handle coupling	833/16	G 137
Friction casement stay	522	- 1	175	Handle coupling	961	G 137
Friction casement stay	532	1	175	Handle fixture	806	C 75
Friction casement stay	740	- 1	174	Handle fixture	842	C 75
Friction casement stay	750	- 1	174	Handle locking device	2144	G 136
Friction casement stay	760	1	174	Handle locking device	2145	G 136
Friction door holder	328	- 1	186	Handle locking device	7450	G 129
Friction door holder	328A	1	186	Handle locking device	840	G 143
Friction door holder	523T	- 1	185	Handle locking device	850	G 143
Friction door holder	533T	- 1	185	Handle set, lockable	2130	G 148
Friction door holder	534R	- 1	185	Handle, lockable	7312 H	G 125
Friction door holder/				Handle, lockable	7312 V	G 125
Friction casement stay	150	I	171	Handle, lockable	7312	G 125
Friction door holder/	150S		171	Handle, lockable	7314 H	G 126
Friction casement stay Friction door holder/	1003	1	171	Handle, lockable	7314 V	G 126
Friction casement stay	160	1	171	Handle, lockable	7314	G 126
Friction door holder/				Handle, lockable	7315 H	G 126
Friction casement stay	160S	- 1	171	Handle, lockable	7315 V	G 126
Gate lock	485	J	204	Handle, lockable	7315	G 126
Grab bolt	564	J	196	Handle, stainless	G210216405	G 141
Handle	17	G	138	Handle, stainless	G210216415 H	G 141
Handle	2162	G	136	Handle, stainless	G210216425 V	G 141
Handle	2265	G	149	Handle, stainless	G210316405	G 141
Handle	24	G	140	Handle, stainless	G210316415 H	G 141
Handle	4	G	140	Handle, stainless	G210316425 V	G 141
Handle	42 H	G	137	Hinge	D110227	I 188
Handle	42 V	G	137	Inside handle	2530	J 199
Handle	42	G	137	Inside handle	2540	J 199
Handle	4207 H	G	137	Inside handle	2858	J 191
Handle	4207 V	G	137	Inside lock housing	1115	J 200
Handle	4207	G	137	Key plate	7390	G 127
Handle	423	Н	166	Lock bracket	2555	J 199
Handle	51	G	140	Lock bracket	2558	J 199
Handle	55	Н	162	Lock housing	550	H 162
Handle	7311 H	G	123	Lock housing	560/13	J 193
Handle	7311 V	G	123	Lock housing	560/19	J 193

Description	Item no. Old no.	Sct	Pg	Description	Item no. Old no.	Sct	Pg
Lock housing	590	Н	164	Receiver	353/19	J	197
Lock housing	690	J	199	Receiver	3938	Н	164
Mounting example, Vinga	7311	G	132	Receiver	3954	С	54
Mounting example, Vinga	7311	G	133	Receiver	3954	F	116
Mounting example, Vinga	7314 7315	G G	131 131	Receiver	4082 4083	H H	162 162
Mounting example, Vinga Mounting plate	4285	G	143	Receiver Receiver	4652	Н	162
Mounting plate	4926	G	151	Receiver	4652	H	164
Mounting plate	7344	G	130	Receiver	4966	F	117
Mounting plate	841S	G	146	Receiver	5512	F	117
Multi point lock	M5000 2025	D	79	Receiver	5419	J	202
Multi point lock	M5100 2024	D	79	Receiver	5420	J	202
Multi point lock	M5200 2000	D	80	Receiver	66R	С	59
Multi point lock	M5201 2002	D	80	Receiver	66R	F	116
Multi point lock	M5202 2001	D	80	Receiver	680	Н	164
Multi point lock	M5300	D	82	Receiver	923	J 	202
Multi point lock	M5400	D	82	Receiver	99	H	167
Multi point lock	M5500	D D	82 83	Receiver	A067 A068	F F	118
Multi point lock Multi point lock	M5600 6025 M5601 6151	D	83	Receiver Receiver	A066 A071	F	118 118
Multi point lock	M5602 6026	D	83	Receiver	A071 A074	F	118
Multi point lock	M5700 7025	D	84	Receiver	A079	F	118
Multi point lock	M5701 7151	D	84	Receiver	B730	F	117
Multi point lock	M5703 7026	D	84	Receiver	C1001	F	116
Multi point lock, made-to-measur		D	81	Receiver	C168	F	116
Multi point lock, made-to-measur	e M5002 2026	D	81	Receiver	C270	С	56
Multi point lock, made-to-measur	e M5017 2152	С	66	Receiver	C270	С	57
Multi point lock, made-to-measur		D	81	Receiver plate	4762	С	37
Nut washer	4412	С	71	Receiver, bolt and dead bolt	3750	F	112
Panic bolt	285	J	195	Receiver, bolt and dead bolt	4014	F	112
Pin	4919	G	151	Receiver, bolt and dead bolt	4023	F	112
Pivot hinge	3045 D110106		188 188	Receiver, bolt and dead bolt	4915	F F	112 113
Pivot hinge Plate	D110196 1857	ı G	142	Receiver, bolt and dead bolt Receiver, bolt and dead bolt	5150 5950	F	113
Plate	1857T	G	142	Receiver, bolt and dead bolt	5994	F	113
Plug	3389	Н	165	Receiver, end bolt	1010	F	119
Protection plate	4408	С	70	Receiver, end bolt	1763	F	119
Protective plate	873	С	74	Receiver, end bolt	4800	F	119
Pull handle	34	G	154	Receiver, end bolt	B926	F	120
Pull handle	4709	J	200	Receiver, end bolt	B933	F	119
Pull handle	94	G	154	Receiver, end, grab and	1000	_	
Pushbutton cylinder	2940	Н	165	wedge bolt	168R	F	115
Pushbutton cylinder	4484	G	151	Receiver, end, grab and wedge bolt	2590	F	114
Pushbutton cylinder	7287	G	153	Receiver, end, grab and			
Receiver Receiver	067 068	C	59 59	wedge bolt	4698	F	114
Receiver	071	C	59	Receiver, end, grab and	00	F	444
Receiver	1010	C	56	wedge bolt	69	F	114
Receiver	1072	Н	164	Receiver, end, grab and wedge bolt	69R	F	115
Receiver	1073	Н	164	Receiver, end, grab and		·	
Receiver	1847	J	197	wedge bolt	C270	F	114
Receiver	2133	Н	164	Receiver, hook bolt	C887	F	111
Receiver	2384	G	149	Receiver, large wedge bolt	2521	F	104
Receiver	3085	J	193	Receiver, large wedge bolt	2581	F	104
Receiver	3230	Н	156	Receiver, large wedge bolt	5144	F	105
Receiver	351/13	J	197	Receiver, large wedge bolt	5145 51457	F	105
Receiver	351/19	J	197	Receiver, large wedge bolt Receiver, large wedge bolt	5145Z 5148	F F	104 105
Receiver	351/19	J	199	Receiver, large wedge bolt  Receiver, large wedge bolt	5146	F	103
Receiver	352/13	J	197	Receiver, large wedge bolt	5520	F	104
Receiver	352/19	J	197	Receiver, large wedge bolt	62	F	106
Receiver Receiver	352/19 353/13	J	199 197	Receiver, large wedge bolt	622R	F	106
I IOOOIVOI	000/10	J	101			•	



Description	Item no.Old no.	Sct	•	Description	Item no. Old no.	Sct	_
Receiver, large wedge bolt	62R	F	106	Security receiver, hook bolt	4710	F	110
Receiver, large wedge bolt	63 634	F F	106 107	Security receiver, hook bolt	4950	F F	110
Receiver, large wedge bolt	63R	F	107	Security receiver, hook bolt Security receiver, hook bolt	5970 C888	F	110 110
Receiver, large wedge bolt Receiver, large wedge bolt	644	F	107	Security receiver, mook boil Security side bolt	1215	С	72
Receiver, large wedge bolt	654	F	107	Security side bolt	1215	C	72
Receiver, large wedge bolt	717	F	108	Security side bolt, micro	1220MB	C	72
Receiver, large wedge bolt	B924S	F	108	Side bolt	146	C	72
Receiver, large wedge bolt	B954	F	108	Side bolt	244	J	196
Receiver, large wedge bolt	B997	F	108	Side bolt	8312	C	73
Receiver, small wedge bolt	1005	F	101	Side bolt	9312	C	73
Receiver, small wedge bolt	1157	F	101	Sliding door recess grip	D150045	Ğ	156
Receiver, small wedge bolt	5127	F	101	Sliding door recess grip	D150046	G	156
Receiver, small wedge bolt	5190	F	101	Sliding door ring	D150016	G	156
Receiver, small wedge bolt	5191	F	102	Sliding door ring	D150043	G	156
Receiver, small wedge bolt	5738	F	102	Sliding plate	1654	С	74
Receiver, small wedge bolt	5908	F	102	Sliding plate	4995	С	71
Receiver, small wedge bolt	B715	F	102	Sliding plate	874	С	74
Receiver, small wedge bolt	CA60	F	103	Snap lock	603	Н	167
Restrictor	184	1	179	Spacer device	4986	G	130
Restrictor	84	1	179	Spacer plate	4548	G	144
Rod guide	1191	J	201	Spacer plate	3074	Н	158
Rod guide	2554	J	199	Spacer plate	3395	Н	164
Rod guide	2556	J	199	Spanjoflex	S4157 1042	С	37
Rod guide	354/13	J	193	Spanjoflex	S4158 1043	С	37
Rod guide	354/19	J	193	Spanjoflex	S4159 1044	С	37
Rod guide	3952	Н	164	Spanjoflex	S2157 1062	С	35
Rod guide	4068	Н	162	Spanjoflex	S2158 1063	С	35
Rod guide	4389	H	162 54	Spanjoflex	S2159 1064 550	С	35 161
Rod guide Rod guide	4966 5512	C	56	Surface-mounted espagnolette Surface-mounted espagnolette	590	H H	163
Rod guide	681	Н	164	Triangular handle	811	G	144
Rod guide	730681	С	56	Triangular key	145	G	142
Rower coupling	4973	Н	164	Triangular pin	56	G	142
Safety pin	1440	С	73	Turn catch	4428	C	70
Sash coupler	80	C	75	Turn catch	7313	G	129
Security cover	1120	J	201	Turn catch	7335	G	129
Security device	805	G	144	Ventilation stay	85	- 1	179
Security device	836S	G	144	Ventilation stay	86	- 1	179
Security handle	2265, S8350	G	149	Ventilation stay	92	- 1	178
Security handle	8350S	G	147	Ventilation stay	93	- 1	178
Security handle	8350SH	G	147	Window catch	392	- 1	180
Security handle	8350SV	G	147	Window catch	393	- 1	180
Security handle	835S	G	145	Window handle	23	G	157
Security handle	835SH	G	145	Window handle	70	G	157
Security handle	835SV	G	145	Window lock	2820	G	152
Security handle	837S	G	145	Window lock	2830	G	152
Security handle	837SH	G	145	Window lock with indication	2830E	G	152
Security handle	837SV	G	145	Window stay restrictor	203	I	181
Security handle	844S	G	150				
Security handle	844SH 844SV	G G	150 150				
Security handle Security handle	8465S	G	149				
Security handle	876S	G	150				
Security handle	876SH	G	150				
Security handle	876SV	G	150				
Security handle	895S	G	150				
Security handle	895SH	G	150				
Security handle	895SV	G	150				
Security receiver, hook bolt	2700	F	109				
Security receiver, hook bolt	2701	F	109				
Security receiver, hook bolt	2950	F	109				
Security receiver, hook bolt	4700	F	109				

### General description

### Espagnolettes and multi point locks

**Espagnolette** – a closing fitting, with lockable or non-lockable lock housing, primarily intended for windows and glazed doors, also available with micro.

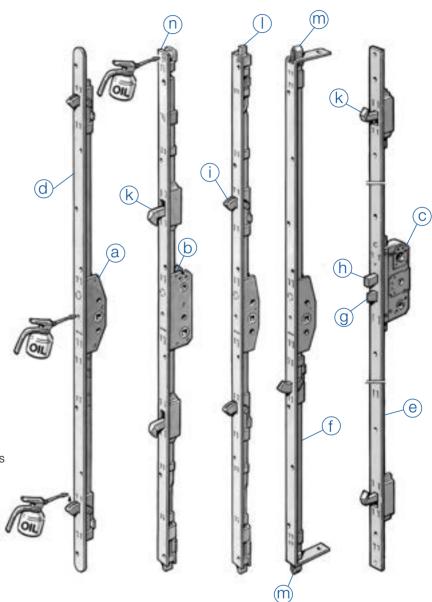
Multi point lock – a locking- and closing fitting, with lockable lock housing (with latch bolt and dead bolt), intended for entrance doors and glazed doors, also available with micro.

#### Construction

- a. Lock housing for espagnolette, non-lockable
- b. Lock housing for espagnolette, lockable
- c. Lock housing for multi point lock
- d. Face plate
- e. Bolt rod, flat
- f. Bolt rod, standing
- g. Side bolt, dead bolt type
- h. Side bolt, latch bolt type
- i. Side bolt, wedge bolt type
- j. Side bolt, mushroom bolt type
- k. Side bolt, hook bolt type
- I. End bolt, grab bolt type
- m. End bolt, wedge bolt type
- n. Transmission for mortised casement stay

#### **Care and maintenance**

ASSA espagnolettes and multi point locks are lubricated and their operation is checked before delivery. To ensure proper operation and to increase the life span of the product, a few drops of oil should be applied to the lock housing, bolts and transmission casement stays once or twice a year.







#### **Lock housing**

The ASSA espagnolette and multi point lock housings are standard-fitted with 8 mm square rowers, but 7 mm rowers are also available. The lock housings for Primo espagnolettes are standard-fitted with 7 mm rowers.

#### **Face plate**

ASSA espagnolettes and multi point locks come with 16, 20, 22 or 25 mm wide face plates.

Primo espagnolettes come with U-profile face plates,  $12 \times 15$  mm. The holes for screws are centered and intended for flat bolt rods.

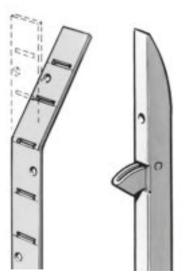
Standing bolt rods are available on order. For espagnolettes with straight-cut rail ends and side bolts only, the face plates have break slots to enable easy trimming of the length. The distance between break slots is 25 mm. Break slots are only available on the 25 mm face plates.

#### **Bolt rod**

Flat rod (standard)  $11 \times 2.9$  mm. Standing rod,  $12 \times 3.5$  mm.

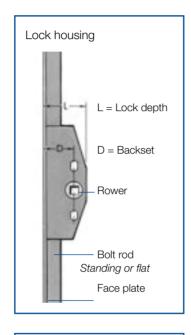
#### **Measurement tolerances**

Length, handle height and bolt placement +/- 1 mm



Face plate with break slots.
Patent.

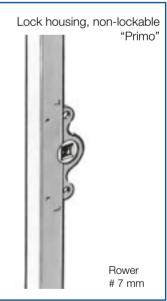
Face plate, U profile type.





Lock housing, non-lockable





### General description

### Espagnolettes and multi point locks

#### Side bolt

Dead bolt type (for lock housing) keeps the window or door closed. Stroke 12 mm Latch bolt type (for lock housing) with retaining function. Stroke 25 mm Wedge bolt type made of tempered steel with sealing function. Stroke 12–17 mm Mushroom type bolt with retaining and sealing function. Stroke 10.5 mm Hook bolt type made of tempered sinter steel with retaining function; meets strict requirements for protection against forced entry. Stroke 25 mm.

#### **End bolt**

Grab bolt type with retaining and sealing functions. Stroke 10–14 mm Wedge bolt type with retaining function. Stroke 14 mm. Round bolt, conical type, with retaining function. Stroke 14 mm.

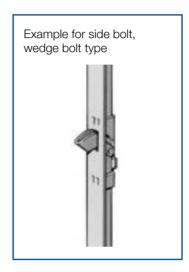
#### **Transmission**

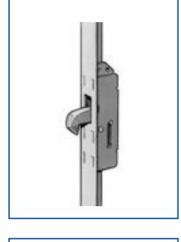
Device on espagnolette or multi point lock for mortised window/door friction holder top, bottom or at both ends.

#### Installation

Instructions for milling, with measurements, on pages D 87–D 98.







Side bolt, hook bolt type











#### **Standard**

ASSA espagnolettes meet the requirements of Swedish Standard SS 3535.

Espagnolettes with wedge bolts,
12 and 15 mm stroke: classification 1

Espagnolettes with wedge bolt,
17 mm stroke: classification 2

Espagnolettes with hook bolts,
25 mm stroke: classification 3

This standard states the requirements for espagnolettes and their receivers, primarily intended for windows, ventilation hatches, doors and glazed doors.

Typical requirements of SS 3535:

Espagnolettes and receivers are to be tested according to SS 3536. Corrosion: espagnolettes and receivers must be of a corrosion-resistant material, or have a corrosion-protected surface coating equivalent to at least Fe/Zn 12, in accordance with SS-ISO 9227 (see below under Surface treatment). Manipulation ability: the torque of the

bolt motion, measured at the centre of rotation of the rower, should be no more than 6 Nm.

Wear and tear: when tested in accordance with SS 3536, the espagnolette must function after 50,000 open-close cycles, and meet the manipulation ability requirements as stated above. Strength: this includes requirements for the rower mechanism, the attachment of the locking bolt, the bolting mechanism and the loads it should withstand. There are also requirements for lock housings and receivers. For lockable espagnolettes, there are also requirements regarding locking.

#### **Surface treatment**

Construction: Corrosion protection on espagnolettes consists of a zinc coating with an extra protective chromated layer. The surface treatment is electrolytic and is performed in an automatic unit. Thickness: The thickness of the zinc layer is a minimum  $12 \mu m$  on the required surfaces. The colour of the chromated layer is blue (shiny). Requirements: The surface treatment complies with the requirements of standard ISO 9227, per EN 1670 corrosion classification 3 (96 hours exposure to neutral salt mist).

#### Quality

The ASSA OEM quality system is certified in accordance with ISO 9001.

#### **Environment**

The ASSA OEM environment management system is certified in accordance with ISO 14001.





### General description

## Handles and other fittings

ASSA handles are available with right and left as well as straight handles. Right and left handles make it easier to manoeuvre outward-opening windows and doors. ASSA handles are of a number of different types and materials. When mounting an ASSA handle on both sides, the joining is done in an ASSA handle coupling with break slots, which are placed outside the espagnolette. Alternatively, handles and square pins with break slots may be used.

#### **Material**

Zamak – a zinc alloy consisting of 95 % zinc. Brass.

Acetal plastic.

Square pin of steel, zinc-plated.

#### **Surface treatment**

Zamak handle, chrome plated, brass-plated or powder paint coating. Chrome plating is an electrolytic surface treatment process in which copper, nickel and chrome are applied in accordance with Swedish Standard SS ISO 1456. Chrome plating is either matt or polished. Brass plating is an electrolytic surface treatment process in which nickel and brass are applied. The brass surface is varnished for protection.

Powder painting means that the handle is given a static charge before the powdered paint is applied, after which the product goes through an oven. Epoxy-based powder paint is used. Powder painting is particularly suitable for corrosion protection on external handles. Standard colour white: RAL 9010

Miralloy, nickel-safe surface treatment.

#### Nickel allergy

The above surface treatments have been tested by the Swedish Testing and Research Institute in Borås, and fulfil requirements in the EU directive 76/769/EEC regarding nickel levels and release of nickel from consumer products.

### Security, child safety

#### **Child safety products**

Building legislation requires buildings to be constructed in such a way that they are appropriately safe for use, and that the risk of accidents is limited. These requirements apply to new buildings and to alterations to existing buildings. An excerpt from building regulations outlined by the Swedish National Board of Building, Planning and Housing: "In areas accessible to children, windows and glass sections that can be opened, such as balcony glazing, in which sills are lower than 1.8 metres above floor level,

should be fitted with safety restrictor, safety locking device or alternative protection which limits the risk of a child falling out. Balcony doors or equivalent should be fitted with safety restrictor and safety locking device, which prevent a child from opening and going through the doors."

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# Products, which meet requirements according to Swedish Standard

### Protection against forced entry

	SS3620	SS3620	SS3535	SS3522	SS3557	SS3540
	Class. A	Class. B	Class. 3	Class. 3	Class. 3	Class. 3
	2820	7500	S2157	M5000	4710	1220
	2830	7312	S2158	M5200		
	2830E	8465	S2159	M5700		
		835S	S4157			
		835\$/65	S4158			
		836S	S4159			
		837S	S2151			
		844S	S2451			
Item no.		876S	S2453			
		895S	S2454			
			S4107			
			S4115			
			S4151			
			S4251			
			S4451			

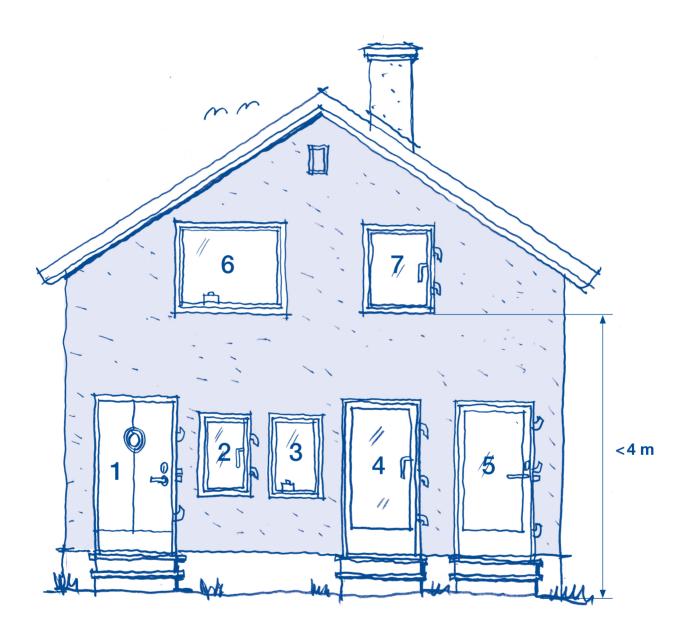
### Child safety

Description	Item no.	SS3587
Window friction casement stay/ Friction door holder	150S	×
Window friction casement stay/ Friction door holder	160S	×
Handle locking device	850	Χ
Handle locking device	2145	Χ
Handle locking device	7450	Χ
Restrictor	184	X
Security device	805	Χ
Ventilation stay	92	Χ
Ventilation stay	93	Χ



# Safety requirements according to Swedish Standard

Relating to windows, glazed doors, and entrance doors



- 1. SS3522 Classification 3
- 2. SS3535 Classification 3+SS3620 Classification B
- 3. SS3620 Classification A
- 4. SS3535 Classification 3+SS3620 Classification B
- 5. SS3535 Classification 3
- 6. SS3620 Classification A+SS3587 (child safety)
- 7. SS3535 Classification 3+SS3620 Classification B
- +SS3587 (child safety)

Receivers are used for espagnolettes and multi point locks according to SS3557 Classification 3. Flush bolts are used for double doors (passive door) according to SS3540 Classification 3.

## Window inward-opening

#### SIDE-HUNG AND BOTTOM-HUNG SINGLE-LIGHT AND DOUBLE-LIGHT WITH MULLION

#### PAGE



## WINDOWS WITH REQUIREMENTS FOR PROTECTION FROM FORCED ENTRY

Child safety	G 143–G 144, I 171, I 178–I 180
Window lock	G 152
Sliding plate and protection receiv	er C 74
Sash coupler	C 75
Security device	G 144
Security handle	G 125, G 145–G 150
Security receiver	F 109–F 111
Security espagnolette C 35,	C 37, C 38, C 40, C 63, C 65, C 39
Locking casement stay	l 171, l 174–l 179
Instructions for milling and mounti	ng E 87–E 98



## WINDOWS WITHOUT REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 1/1, I 1/8–I 180
Window handles and catches	G 157
Handle	G 123–G 156
Sash coupler	C 75
Receiver for side bolt	F 101–F 108, F 119–F 120
Espagnolette	C 33, C 35, C 36, C 42, C 44, C 58
Locking casement stay	l 171, l 174–l 179, l 182
Instructions for milling and mour	nting E 87–E 98





## Window

## inward- and outward-opening

SIDE-HUNG, DOUBLE-LIGHT WITHOUT MULLION

PAGE





#### WINDOWS WITH REQUIREMENTS

FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 171, I 178–I 180
Window lock	G 152
Sliding plate and protection receiver	C 74
Side bolt	C 72
Sash coupler	C 75
Receiver for end bolt	F 114–F 115, F 119–F 120
Security device	G 144
Security handle	G 125, G 145–G 150
Security receiver	F 109–F 111
Security espagnolette	C 35–C 40, C 63, C 65
Locking casement stay	171,   174–  179
Instructions for milling and mounting	E 87–E 98

### WINDOWS WITHOUT REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 171, I 178–I 180
Window handles and catches	G 157
Handle	Section G
Side bolt	C 72
Sash coupler	C 75
Receiver	F 101–F 108
Receiver for end bolt	F 114–F 115, F 119–F 120
Espagnolette	C 39, C 38, C 42
Locking casement stay	171,   174–  179
Instructions for milling and mounting	E 87–E 98

## Window outward-opening

#### SIDE-HUNG AND TOP-HUNG SINGLE-LIGHT AND DOUBLE-LIGHT WITH MULLION

PAGE



#### WINDOWS WITH REQUIREMENTS

#### FOR PROTECTION AGAINST FORCED ENTRY

Child safety G 143-G 144, I 171, I 178-I 180 Window lock G 152 Sliding plate and protection receiver C 74 Sash coupler C 75 G 144 Security device Security handle G 125, G 145-150 Security receiver F 109-F 111 C 35, C 37, C 44, C 45, C 48, C 52 Security espagnolette Locking casement stay I 171, I 174-I 179 Instructions for milling and mounting E 87-E 98



### WINDOWS WITHOUT REQUIREMENTS

#### FOR PROTECTION AGAINST FORCED ENTRY

Child safety

Handle

G 143–G 144, I 171, I 178–I 180

G 123–G 156

Sash coupler

C 75

Receiver for side bolt

Espagnolette

C 31, C 35, C 34, C 42, C 37

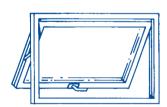
C 44, C 45, C 46, C 50

Locking casement stay

I 171, I 174–I 179

Instructions for milling and mounting

E 87–E 98

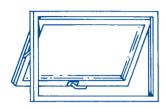




## Window outward-opening

GLIDE-HUNG (H TYPE WINDOW)

**PAGE** 



#### WINDOWS WITH REQUIREMENTS

#### FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 171, I 178–I 180
Window lock	G 152
Sliding plate and protection receiver	C 74
Receiver for end bolt	C 114, C 119–C 120
Espagnolette	C 57
Security device	G 144
Security handle	G 125, G 145–150
Locking casement stay	I 178
Instructions for milling and mounting	E 87–E 98

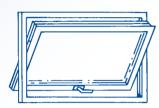
### WINDOWS WITHOUT REQUIREMENTS

#### FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 171, I 178–I 180
Handle	G 123–G 156
Receiver for end bolt	C 114, C 119–C 120
Espagnolette	C 56
Locking casement stay	I 178
Instructions for milling and mounting	g E 87–E 98

# Window outward-opening

PIVOT WINDOW PAGE



#### WINDOWS WITH REQUIREMENTS

#### FOR PROTECTION AGAINST FORCED ENTRY

G 143–G 144, I 178, I 179
G 152
C 74
C 75
l 188
C 48, C 52
G 144
G 149
F 109–F 111
l 179
E 87–E 98

### WINDOWS WITHOUT REQUIREMENTS

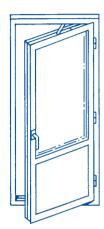
#### FOR PROTECTION AGAINST FORCED ENTRY

Child safety	G 143–G 144, I 178, I 179
Handle	G 149
Sash coupler	C 75
Pivot hinge	I 188
Receiver	C 54, F 104–F 108, G 149
Espagnolette	C 55
Locking casement stay	I 179
Instructions for milling and mounting	E 87–E 98



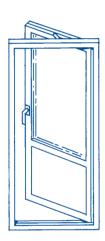
## Glazed door inwardand outward-opening

SINGLE DOOR PAGE



#### GLAZED DOOR WITH REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

Child safety G 143, I 171, I 179 D 82, D 84 Multi point lock Sliding plate and protection receiver C 74 Sash coupler C 75 G 125, G 145-G 150 Security handle Security lock G 155 Security receiver F 109-F 113 C 35, C 37, C 41, C 44, C 45, C 62, C 63 Security espagnolette Locking casement stay I 171, I 183, I 185 Instructions for milling and mounting E 87-E 98



#### GLAZED DOOR WITHOUT REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

 Child safety
 G 143, I 171, I 179

 Handle
 G 123–G 143

 Sash coupler
 C 75

 Receiver
 F 101–F 108

 Espagnolette
 C 35, C 37, C 41, C 44, C 60, C 61

 Locking casement stay
 I 171, I 183, I 185

 Instructions for milling and mounting
 E 87–E 98

#### GLAZED DOOR WITH REQUIREMENTS FOR EVACUATION

Handle G 138
Receiver F 101–F 108, F 119–F 120
Espagnolette C 67
Instructions for milling and mounting E 87–E 98

## Glazed door inwardand outward-opening

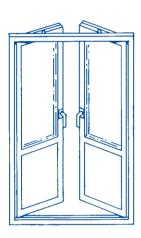
DOUBLE DOORS PAGE



## GLAZED DOORS WITH REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY Child safety

D 82 Multi point lock Sliding plate and protection receiver C 72 Side bolt C 75 Sash coupler Receiver for end bolt F 114-F 115, F 119-F 120 G 125-G 126, G 129-G 131, G 145-G 150 Security handle F 109-F 111 Security receiver C 65 Security espagnolette I 171, I 183, I 185 Locking casement stay E 87-E 98 Instructions for milling and mounting

G 143-G 144, I 178, I 179



### GLAZED DOORS WITHOUT REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

Child safety G 143-G 144, I 178, I 179 Handle G 123-G 143 C 72 Side bolt C 75 Sash coupler Receiver for side bolt F 101-F 108 F 114-F 115, F 119-F 120 Receiver for end bolt Espagnolette C 65 Locking casement stay 1171, 1183, 1185 Instructions for milling and mounting E 87-E 98

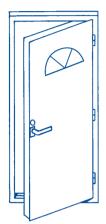
#### GLAZED DOORS WITH REQUIREMENTS FOR EVACUATION

Handle G 138
Receiver F 101–F 108
Receiver for end bolt F 114–F 115, F 119–F 120
Espagnolette C 67
Instructions for milling and mounting E 87–98



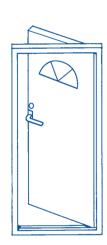
## Outside door inwardand outward-opening

SINGLE DOOR PAGE



### OUTSIDE DOOR WITH REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

Multi point lock D 79–D 84
Security receiver F 109–F 113
Locking casement stay I 185
Instructions for milling and mounting E 95–E 98



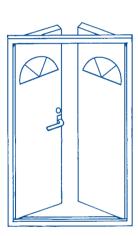
## Outside doors inwardand outward-opening

DOUBLE DOORS PAGE



## OUTSIDE DOORS WITH REQUIREMENTS FOR PROTECTION AGAINST FORCED ENTRY

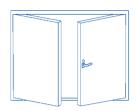
Multi point lock D 79–D 84
Side bolt C 72
Security receiver F 109–F 113
Locking casement stay I 185
Instructions for milling and mounting E 95–E 98





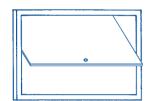
## Garage and industrial doors

DOUBLE DOORS PAGE



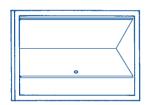
#### SIDE-HUNG DOOR

Door bolt J 191–J 199
Receiver J 197–J 199
Locking casement stay J 205–J 206



### OVERHEAD DOOR (UP AND OVER)

Door bolt J 200–J 201

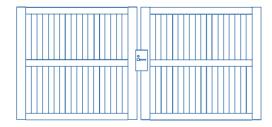


#### FOLDING DOOR/SASH CEILING

Door lock J 202
Receiver J 202

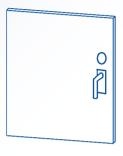
### Gates

Gate lock J 204



# Cupboard and inspection doors

#### PAGE



Surface espagnolette	H 161–H 165
Receiver	H 162–H 164
Handle	H 162, H 163
Security handle	H 166
Lock cylinder	H 165



S1605 (738)

## Espagnolette for windows

Used for outward-opening single-light and two-light windows with mullion. Special design for narrow profiles. Fix S1605 adapted to Euro-note.

#### S1605

Adapted to Euro-note.

#### Design

Face plate 16 x 2 mm.
Bolt rod 11 x 2.9 mm.
Backset 28 mm.
Lock depth 35 mm.
Handle height centered.
Side bolts, wedge bolt type, bolt stroke
15 mm, 2 or 3, see table below.
Can also be made-to-measure, see
page C 32.

#### Installation

Instructions for milling, with measure ments, group J.

#### Accessories

Receivers page F 101–F 103. Protective plate Fix 873, page C 74. Sliding plate, page C 79. Handle fixture Fix 806, page C 75. Handles, catalogue section G.

#### Lengths

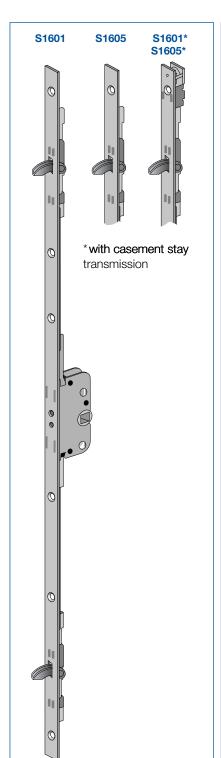
ltem	Espagnolette length mm	Number of bolts
S1605	390 490 590 690 790 890 990 1090 1190 1290 1390 1490	2 2 2 2 2 2 2 2 2 2 3 3 3



**S1601** (719, 719S) **S1605** (739, 739S)

### Made-to-measure espagnolette for windows

Used for outward-opening single-light and two-light windows with mullion. Specially adapted for Euro-note.



Side bolts wedge bolt type, bolt stroke

Alternatively with transmission for Fix casement stay, optional top, bottom or at both ends.

#### S1605

Side bolts wedge bolt type, bolt stroke

Alternatively with transmission for Fix casement stay, optional top, bottom or at both ends.

Design as for the rest for all. Face plate 16 x 2 mm.

Backset	Lock depth
25 mm	32 mm
28 mm	35 mm

Lock housing rower 7 mm alt. 8 mm. Handle height optional.

Limitations, see catalogue section E. The number of side bolts is decided with regard to the height of the frame, see catalogue section E. Right and left are identical.

General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, group J.

#### **Accessories**

Receivers, page F 101-F 103. Sliding plate, page C 74. Handle fixture Fix 806, page C 75. Friction casement stay for Fix S1601 and S1605, page I 174.

#### When ordering, please state:

- 1. Item number
- 2. Lenath
- 3. Handle height
- 4. Backset
- 5. Type of receiver
- 6. Transmission for casement stay



### Espagnolette for windows

S1151 (865) S1151 (8653) S1151 (865K) S1151 (8650)

C

**PATENT** 

Used for inward-opening single-light and two-light windows with mullion.

have top and bottom break slots in the face plate.

Alt. transmission at the top for Fix fric tion casement stay and break slots at the bottom of the face plate.

#### S1151

have a face plate with round-trimmed edges and no break slots.

Bolt placement, see catalogue section E. Design as for the rest for all.

Face plate 25 x 2 mm.

Backset 18 mm.

Lock depth 28 mm.

Handle height centre.

Side bolts, wedge bolt type, bolt stroke 17 mm, 2 or 3, see table.

Right and left are identical. General description, catalogue section B.

Can also be made-to-measure, see page C 35.

#### Installation

Instructions for milling, with measure ments, catalogue section E.

#### Accessories

Receivers, page F 104-F 108. Sliding plate, page C 74. Handle, catalogue section G. Friction casement stay for Fix S1161 and S1162, page I 171-I 173. Item Espagno-Number

#### Lengths

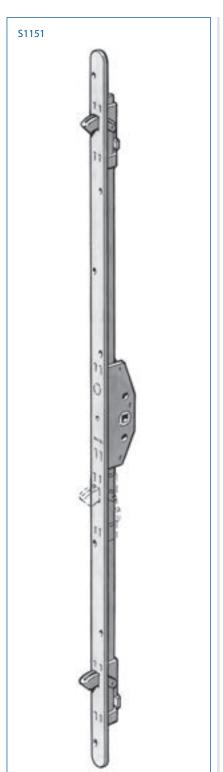
	lette	of brea	k slots bot-	ber of side
	length mm	top	tom	bolts
S1151	388 488 588 688 788 888 988 1088 1188 1288 1388 1488	1 1 1 1 5 5 5 5	1 1 1 1 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
S1151	1088 1188 1288 1388 1488	1 1 1 1 1	1 1 1 1 1	3 3 3 3
S1151	450 750 1050 1350			2 2 2 3
S1151	485 685 885 1085 1285			2 2 2 3 3
S1151	788 888 988 1088 1188 1288 1388 1488		1 1 5 5 5 5	2 2 2 2 2 2 2 2
S1151	1088 1188 1288 1388 1488		1 1 1 1 1	3 3 3 3



S1151 (8640)

## Espagnolette for windows

Used for outward-opening single-light and two-light windows with mullion.



#### S1151 Design

Face plate 25 x 2 mm.

Round-trimmed plate edges.
Backset 28 mm.
Lock depth 38 mm.
Handle height centre.
Side bolts, wedge bolt type, bolt stroke
17 mm, 2 or 3, see table below.
Right and left are identical.
General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Accessories

Receivers, page F 104–F 108. Protective plate Fix 873, page C 74. Sliding plate Fix 872, page C 74. Handle fixture Fix 806, page C 75. Handles, catalogue section G.

#### Lengths

ltem	Espagnolette length mm	Number of side bolts
S1151	485 685	2
	885	2
	1085	3
	1285	3

Can also be made-to-measure, page C18.



C

## Made-to-measure espagnolette for windows and glazed doors

**PATENT** 

\$1101 (891, 891F) \$1151 (861, 861F) \$2101 (1091, 1091F) \$2151 (1061, 1061F) \$2157 (1062) \$2158 (1063) \$2159 (1064) \$1359 (8512)

Used for inward- and outward-opening single doors or single-light windows, and two-light windows with mullion.

#### S1101 (flat bolt rod) S1151 (standing bolt rod)

Bolt type: Wedge bolt, bolt stroke 17 mm. Face plate 25 x 2 mm (20 x 2 mm on request).

Alternatively with transmission for Fix friction casement stay, optional top, bottom or at both ends.

#### S2101 (flat bolt rod) S2151 (standing bolt rod)

Bolt type: Hook bolt, or hook bolt and wedge bolt.

Face plate 25 x 2 mm.

The hook bolt gives increased protection against forced entry.

Alternatively with transmission for Fix friction casement stay, optional top, bottom or at both ends.

#### Design as for the rest for all:

Backset Lock depth
18 mm 28 mm
25 mm 35 mm
28 mm 38 mm
33 mm 43 mm
40 mm 50 mm
Handle height optional.

Limitations, see catalogue section E. The number of side bolts is decided with regard to the height of the frame, see catalogue section E.

Right and left are identical.

General description, catalogue section B.

#### Installation

Instructions for milling, with measure - ments, catalogue section E.

#### Accessories

Receivers, page F 104–F 111. Protective plate Fix 873, page C 74. Sliding plate, page C 74. Handle fixture Fix 806, page C 75. Friction casement stay for Fix S1151 and S2151, page I 171–I 173.

#### S2155

Espagnolette with two side bolts, wedge bolt type, and two side bolts, hook bolt type.

Length 2015 mm.

Backset 28 mm.

Handle height 1000 mm.

Has transmission at the top for Fix friction casement stay.

Otherwise as Fix S2151.

#### S2157, S2158, S2159 (spanjoflex)

Flexible security espagnolette, which is suitable for "all" applications. Backset:
Esp S2157 28 mm lock depth 38 mm S2158 33 mm lock depth 43 mm S2159 40 mm lock depth 50 mm

#### S1157, S1158, S1159 (spanjoflex)

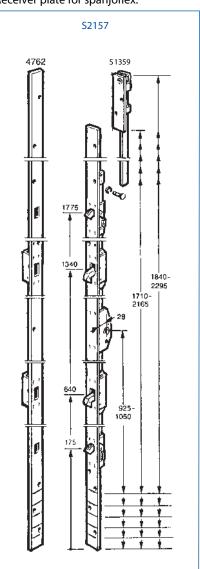
As above but only with wedge bolt.

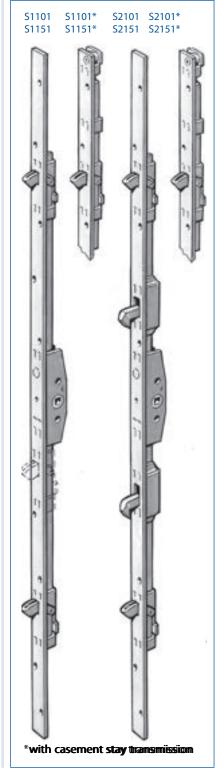
#### S1359

Coupling piece with F transmission.

#### 4762

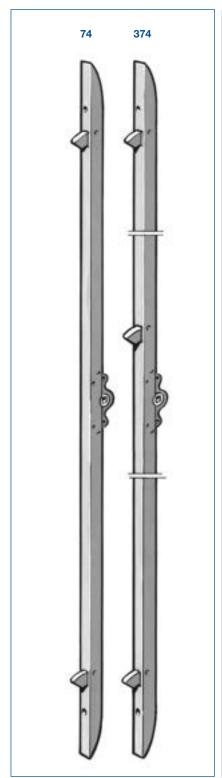
Receiver plate for spanjoflex.

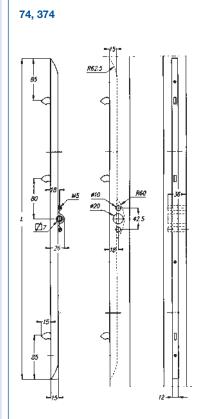


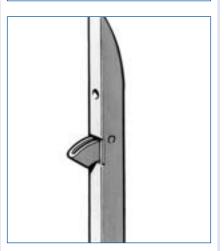


## Espagnolette for windows

Used for inward-opening windows and airing hatches as well as two-light windows with mullion.







The adjacent espagnolettes are also available with wedge bolts, 7.5 mm diameter. See illustration above. They are then called:

Primo 68 (corresp. to Primo 74) Primo 368 (corresp. to Primo 374)

#### Primo 74

Two side bolts
Length Handle height
400 mm 200 mm
600 mm 300 mm
800 mm 400 mm
1000 mm 500 mm

#### Primo 374

Three side bolts

Length Handle height 1200 mm 600 mm 1400 mm 700 mm

#### Design as for the rest for all:

U profile face plate 12 x 15 mm. Backset 18 mm.

Lock depth 28 mm.

Lock housing with threaded holes (M5) for handle mounting.

Rower # 7 mm. Side bolt, wedge bolt type, 4 mm diameter, bolt stroke 15 mm. Right and left are identical.

General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, see illustration.

#### **Accessories**

Receivers, page F 104–F 108. Protective plate Fix 873, page C 74. Sliding plate, page C 74. Handle, catalogue section G.

**S3111** (996, 996F) **S3151** (846, 846F) **S3161** (946, 946F) **S4101** (1096, 1096F) **S4111** (1196, 1196F) **S4151** (1046, 1046F)

**S4161** (1146, 1146F) **S4157** (1042) **S4158** (1043) **S4159** (1044)

**S1359** (8512)

S4101\*

C

S4101

**₩** FIX

## Made-to-measure espagnolette for windows and glazed doors

PATENT

S3101

S3101\*

Used for inward- and outward-opening single doors or single-light windows, and two-light windows with mullion. Lockable with cylinder. Also available with micro.

#### S3101 (flat bolt rod) S3151 (standing bolt rod)

Bolt type: Wedge bolt, bolt stroke 17 mm. Face plate 25 x 2 mm (20 x 2 mm on request).

Also available with transmission for Fix friction casement stay, optional top, bottom or at both ends.

#### S3111 (flat bolt rod) S3161 (standing bolt rod)

As above but with threaded hole for cylinder screw.

#### S4101 (flat bolt rod) S4151 (standing bolt rod)

Bolt type: Hook bolt, or hook bolt and wedge bolt.

Face plate 25 x 2 mm.

The hook bolt gives increased protection against forced entry.

Also available with transmission for Fix friction casement stay, optional top, bottom or at both ends.

#### S4111 (flat bolt rod) S4161 (standing bolt rod)

As above but with threaded hole for cylinder screw.

#### Design as for the rest for all:

Backset	Lock depth	
28 mm	41 mm	
31 mm	44 mm	
33 mm	46 mm	
40 mm	53 mm	
	00	

Handle height optional.

Limitations, see catalogue section E. The number of side bolts is decided with regard to the height of the frame, see catalogue section E.

Right and left are identical.

General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Accessories

Receivers, page F 104–F 111.

Protective plate Fix 873, page C 74.

Sliding plate, page C 74.

Handle fixture Fix 842, page C 46.

Friction casement stay, page I 171–I 173.

Lock cylinder: Oval cylinder, standard type. Other accesories for locking, page C 70–C 71.

#### S4157, S4158, S4159 (spanjoflex)

Flexible security espagnolette, which is suitable for "all" applications. Lockable with cylinder. Backset:

Esp S4157 28 mm lock depth 41 mm S4158 33 mm lock depth 46 mm S4159 40 mm lock depth 53 mm

#### S1359

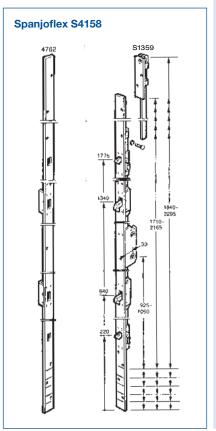
Coupling piece with transmission for Spanjoflex casement stay.

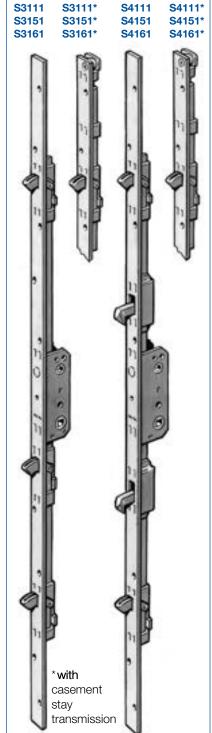
#### 4762

Receiver plate for spanjoflex.

#### Note:

Lockable lock housings have a spacer between the lock housing lids. This prevents squeezing the lids together when mounting the cylinder.



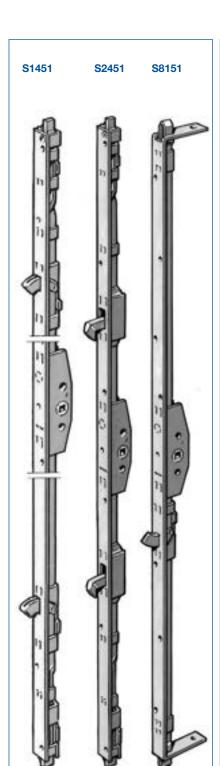


**S1451** (860F) **S2451** (1060F) **S8151** (881)

## Made-to-measure espagnolette for windows and glazed doors

**PATENT** 

Used for inward- and outward-opening two-light windows with meeting sashes, and for double doors.



#### S1451

End bolt, grab bolt type.

Side bolt, wedge bolt type, bolt stroke 17 mm.

Face plate 25 x 2 mm.

#### **S2451**

End bolt, grab bolt type.

Side bolt, hook bolt type, or hook bolt and wedge bolt.

Face plate 25 x 2 mm.

The hook bolt gives increased protection against forced entry.

#### Design as for the rest for both

Backset	Lock depth	
18 mm	28 mm	
25 mm	35 mm	
28 mm	38 mm	
33 mm	43 mm	
40 mm	50 mm	

Has transmission for Fix friction casement stay, optional top, bottom or at both ends.

Handle height optional.

Limitations, see catalogue section E. The number of side bolts is decided with regard to the height of the frame, see catalogue section E.

Right and left are identical according to symbol.

General description, catalogue section B.

#### S815

End bolt, wedge bolt type, bolt stroke 14 mm.

Side bolt, wedge bolt type, bolt stroke 17 mm.

Face plate 25 x 2 mm (20 x 2 mm on request).

#### Design as for the rest

Backset	Lock depth
18 mm	31 mm
23 mm	36 mm
28 mm	41 mm
40	53 mm

Handle height optional.

Limitations, see catalogue section E.

The number of side bolts is decided with regard to the height of the frame, see catalogue section E.

Right and left are identical.

General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, group J.

Fix S8151 comes with unbent plate edges.

Bending is done when mounting into the sash.

#### **Accessories**

Receivers, page F 104–F 111.

Protective plate Fix 873, page C 74.

Sliding plate, page C 74.

Handle fixture Fix 806, page C 75.

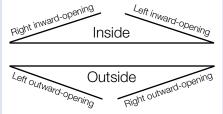
Friction casement stay for espagnolettes
Fix S1451 and S2451, page I 171–I 173.

#### When ordering, please state:

1. Item number

Face bolt, page C 72.

- 2. Length
- 3. Handle height
- 4. Backset
- 5. Type of receiver
- 6. For Fix S1451 and S2451, right or left.





**S3451** (849F) **S3453** (949F) **S4451** (1049F) **S4461** (1149F)

C

## Made-to-measure espagnolette for windows and glazed doors

**PATENT** 

Used for inward- and outward-opening double doors, and for two-light windows with meeting sashes. Lockable with cylinder. Also available with micro.

End bolt, grab bolt type.

Side bolt, wedge bolt type, bolt stroke 17 mm.

Face plate 25 x 2 mm.

As above but with threaded hole for cylinder screw.

#### S4451

End bolt, grab bolt type.

Side bolt, hook bolt type, or hook bolt and wedge bolt.

Face plate 25 x 2 mm.

The hook bolt gives increased protection against forced entry.

#### S4461

As above but with threaded hole for cylinder screw.

#### Design as for the rest for both

Backset	Lock depth
28 mm	41 mm
31 mm	44 mm
33 mm	46 mm
40 mm	53 mm

Has transmission for Fix friction casement stay, optional top, bottom or at both ends. Handle height optional. Limitations, see catalogue section E. The number of side bolts is decided with regard to the height of the frame, see catalogue section E.

Right and left are identical according to symbol.

General description, catalogue section B.

#### **Operation and features**

Lockable with cylinder from one side or from both sides.

Locking and unlocking is done manually with a key or a turn catch.

#### Installation

Instructions for milling, with measurements, catalogue section E.

Lockable lock housings have a spacer between the lock housing lids. This prevents squeezing the lids together when mounting the cylinder.

#### **Accessories**

Receivers, page F 104-F 111. Protective plate Fix 873, page C 74. Sliding plate, page C 74.

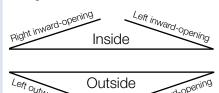
Handle fixture Fix 842, page C 75. Friction casement stay, page I 171-I 173. Face bolt, page C 72.

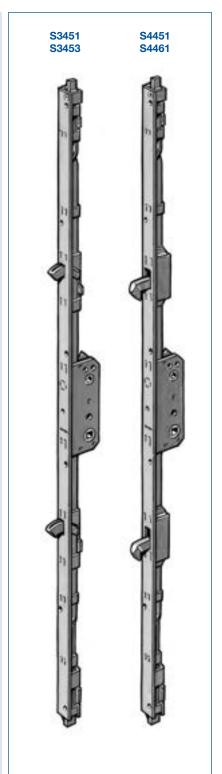
Lock cylinder: Standard type oval

Other accessories for locking, page C 70-C 71.

#### When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Backset
- 5. Type of receiver
- 6. Right or left





**\$3251** (951, 951F) **\$4251** (1051, 1051F) **\$3551** (959F) **\$4551** (1059F)

## Made-to-measure espagnolette for glazed doors

**PATENT** 

Used for outward- and inward-opening single doors, and for double doors with the sash sized for standard door lock. Lockable with cylinder.

#### S325

For single doors

Bolt type: wedge bolt, bolt stroke 17 mm.

Face plate 25 x 2 mm (20 x 2 mm on request).

Also available with top transmission for Fix friction casement stay. Right and left are identical.

#### S4251

For single doors

Bolt type: hook bolt, or hook bolt and wedge bolt.

Face plate 25 x 2 mm.

The hook bolt gives increased protection against forced entry.

Also available with top transmission for Fix friction casement stay. Right and left are identical.

#### S3551

For double doors

Has grab bolt type end bolts and wedge bolt type side bolts. Right and left according to symbol.

#### S4551

For double doors

Has grab bolt type end bolts and hook bolt type side bolts. The hook bolt gives increased protection against forced entry. Right and left according to symbol.

#### Design as for the rest for all

Backset 50 mm. Lock depth 72 mm. Handle height optional.

Limitations: the number of side bolts is decided with regard to the height of the frame, see catalogue section E. General description, catalogue section B.

#### **Operation and features**

Lockable with cylinder from one side or from both sides.

Locking and unlocking is done manually with a key or a turn catch.

#### Mounting

Instructions for milling, with measurements, catalogue section E.

#### **Accessories**

Receivers, page F 104–F 111.

Protective plate Fix 873, page C 74.

Handle coupling, page G 137.

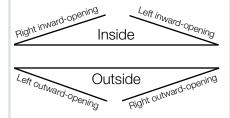
Friction casement stay, page I 171–I 173.

Lock cylinder and turn catch:

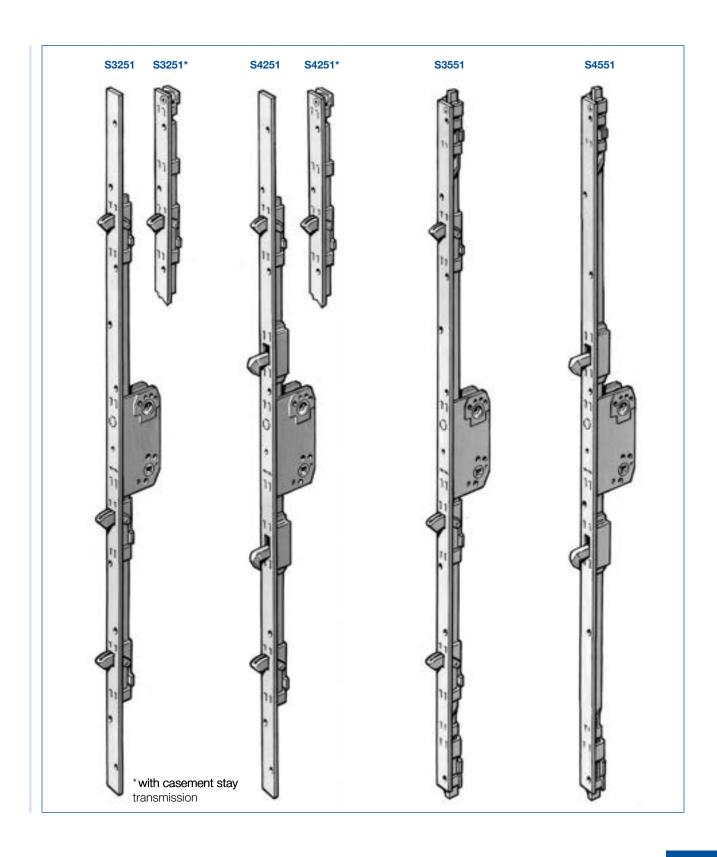
Door locks, standard type.

#### When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Type of receiver
- 5. Number of bolts, type and placing.
- 6. Transmission for casement stay.
- 7. For Fix S3551 and S4551: Right or left.

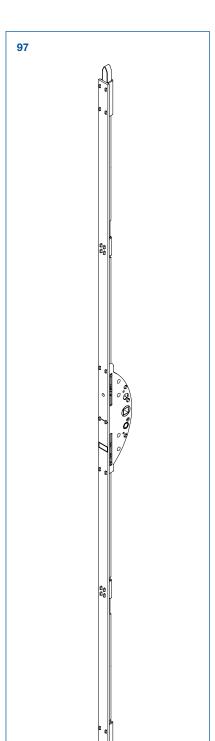


FIX



### Made-to-measure espagnolette for windows

Used for inward- and outward-opening two-light windows with meeting sashes.



#### 97

Espagnolette wiith end bolts, without casement stay transmission.

#### Face plate

16 x 2.3 mm. 25 x 2 mm.

#### **Bolt rod**

9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
18 mm	26 mm	
33 mm	41 mm	
40 mm	48 mm	

#### **Profile**

The espagnolette fits in Euro-note, with adaptation for lock housing.

#### **Bolts**

Centering end bolts with bolt stroke of 16 mm.

#### **Bolt placement**

Outside side bolts 185 mm from top edge/bottom edge espagnolette. Center bolts 185 mm above/below handle height.

#### **Accessories**

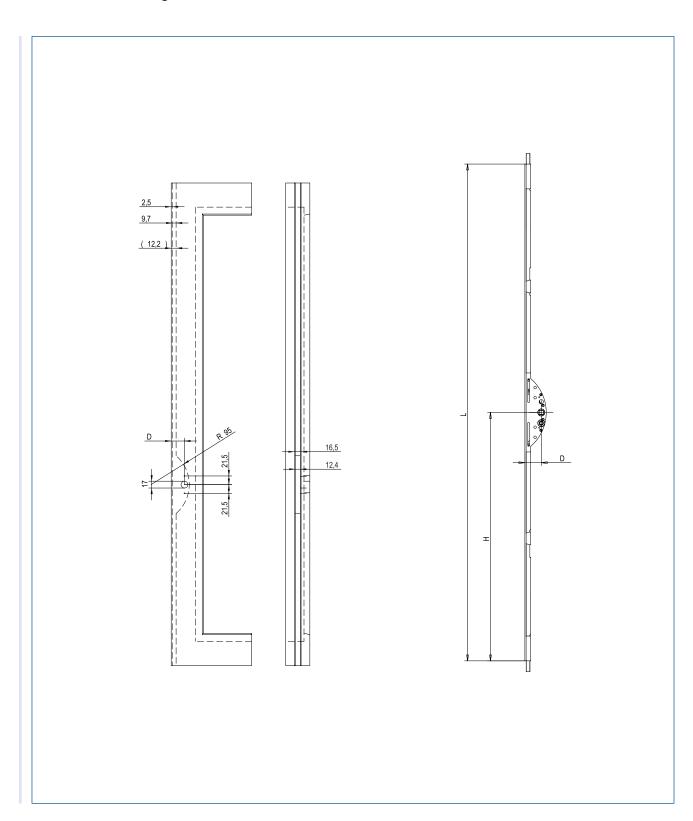
Receivers, page F 104-F 111.

#### When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Backset
- 5. Type of receiver



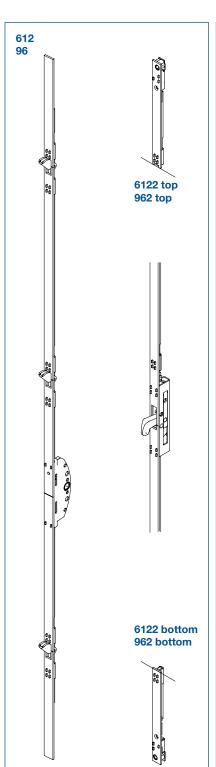
Instructions for milling.



### Made-to-measure espagnolette for windows and glazed doors

**PATENT** 

Used for inward- and outward-opening single doors or single-light and two-light windows with mullion.



Espagnolette with wedge bolts, or hook bolts without casement stay transmission.

#### 6122, 962

Espagnolette with wedge bolts, or hook bolts, casement stay transmission top/bottom.

### 612, 6122 **Face plate**

25 x 2 mm.

#### 96, 962 **Face plate**

16 x 2.3 mm.

#### **Bolt rod**

9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
18	26	
23	31	
25	33	
28	36	
33	41	
40	48	
50	58	

The espagnolette fits in Euro-note, with adaptation for lock housing.

#### **Bolts**

Centering wedge bolts with bolt stroke of 17 mm. Hook bolt 24 mm.

#### **Bolt placement**

Outside side bolts 185 mm from top edge/bottom edge espagnolette. Center bolts 185 mm above/below handle height.

#### **Accessories**

Receivers, page F 104-F 111. Protective plate, page C 74. Sliding plate, page C 74. Handle fixture, page C 75. Friction casement stay.



612 CA 6122 CA 96 CA 962 CA

### C

# Made-to-measure espagnolette for windows and glazed doors

**PATENT** 

Used for inward- and outward-opening single doors or single-light and two-light windows with mullion. Lockable with cylinder.

#### 612 CA, 96 CA

Espagnolette with wedge bolts, or hook bolts without casement stay transmission.

#### 6122 CA, 962 CA

Espagnolette with wedge bolts, or hook bolts, casement stay transmission top/bottom.

#### 612 CA, 6122 CA

#### **Face plate**

25 x 2 mm.

#### 96 CA, 962 CA

#### **Face plate**

16 x 2.3 mm.

#### **Bolt rod**

9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
28	40	
33	45	
40	52	
50	62	

#### **Profile**

The espagnolette fits in Euro-note, with adaptation for lock housing.

#### **Bolts**

Centering wedge bolts with bolt stroke of 17 mm. Hook bolt 24 mm.

#### **Bolt placement**

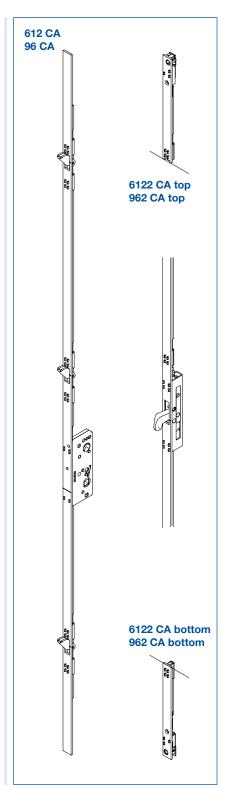
Outside side bolts 185 mm from top edge/bottom edge espagnolette. Center bolts 185 mm above/below handle height.

#### **Accessories**

Receivers, page F 104–F 111. Protective plate, page C 74. Sliding plate, page C 74. Handle fixture, page C 75. Friction casement stay.

#### **Operation and features**

Lockable with cylinder from one side or from both sides. Locking and unlocking is done manually with a key or a turn catch.



942 with wedge bolt

## Made-to-measure espagnolette for windows

**PATENT** 

Used for pivot and top-hung windows.

#### 942

Espagnolette with wedge bolts and casement stay transmission.

#### **Face plate**

Steel 16 x 2.5 mm.

#### **Bolt rod**

Steel 9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
33	41	
40	48	

#### **Profile**

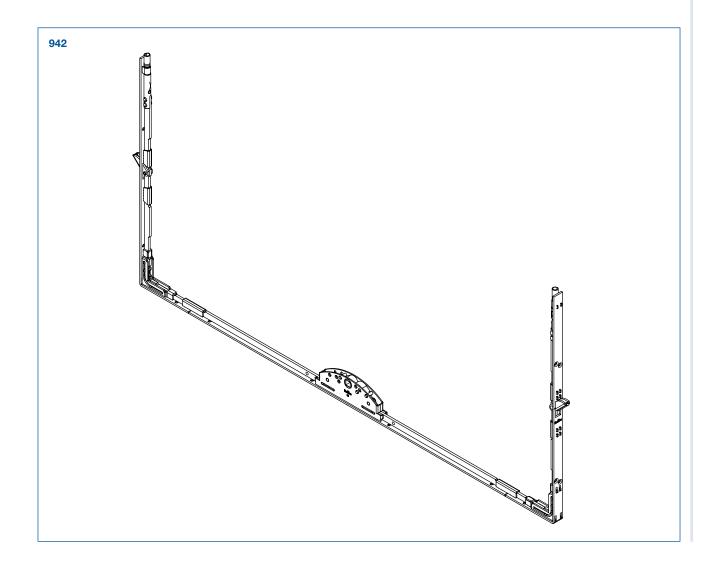
The espagnolette fits in Euro-note, with adaptation for lock housing.

#### **Bolts**

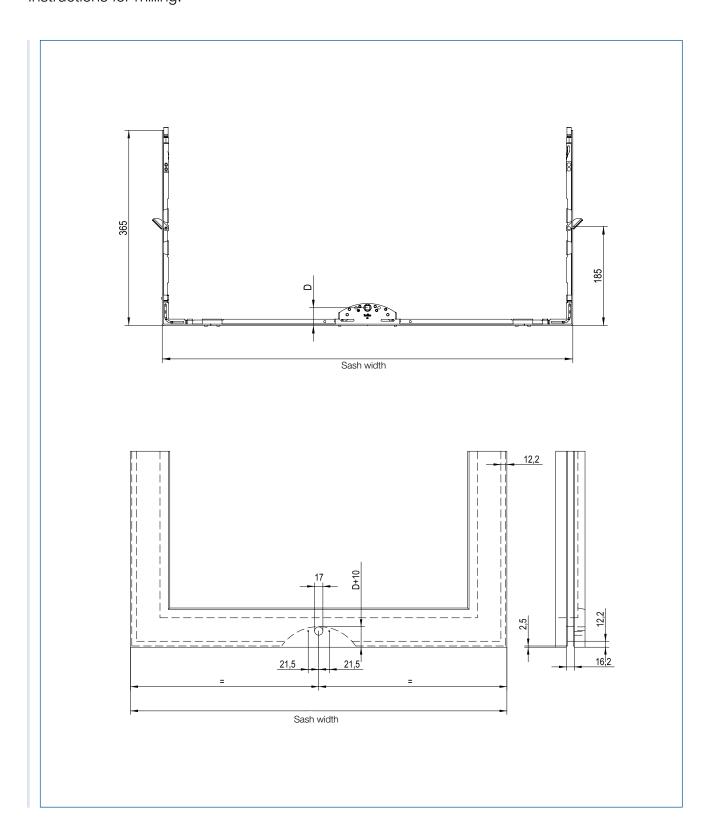
Centering wedge bolts with bolt stroke of 17 mm.

#### **Accessories**

Receivers, page F 104–F 107. Protective plate, page C 74. Sliding plate, page C 74. Handle fixture, page C 75. Friction casement stay, page I 174.



Instructions for milling.



942 with hook bolt

## Made-to-measure espagnolette for windows

PATENT

Used for pivot and top-hung windows.

#### 942

Espagnolette with hook bolts and casement stay transmission.

#### **Face plate**

Steel 16 x 2.5 mm.

#### **Bolt rod**

Steel 9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
33	41	
40	48	

#### **Profile**

The espagnolette fits in Euro-note, with adaptation for lock housing and bolt housing.

#### **Bolts**

Self-locking and centering hook bolt with bolt stroke of 24 mm.

#### **Accessories**

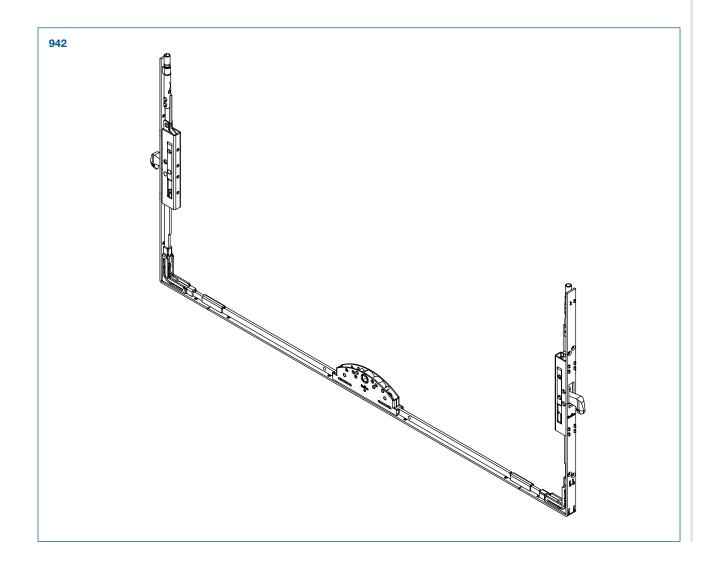
Receivers, page F 109–F 111.

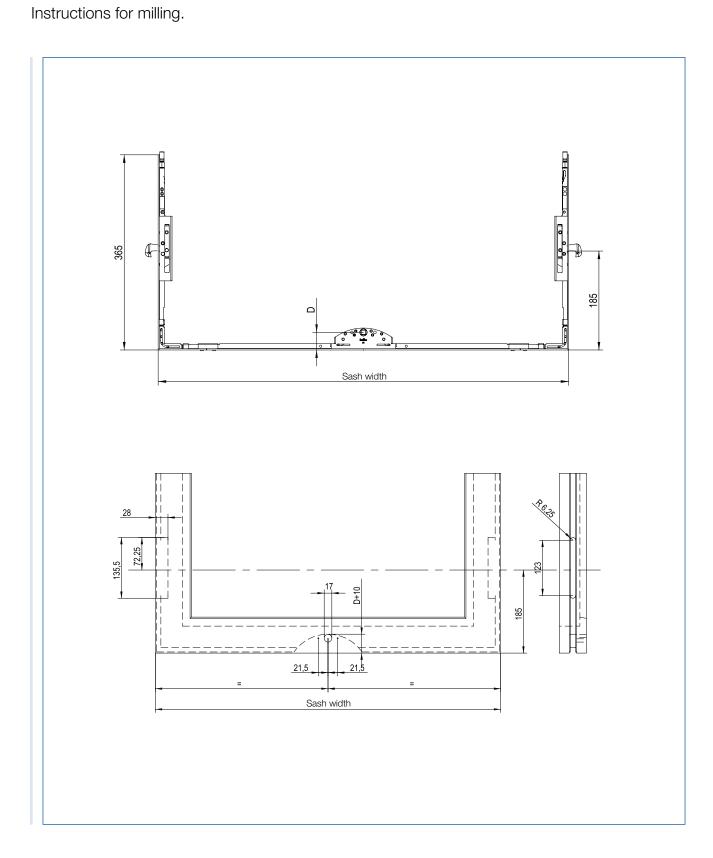
Protective plate, page C 74.

Sliding plate, page C 74.

Handle fixture, page C 75.

Friction casement stay, page I 174.





742 with wedge bolt

## Made-to-measure espagnolette for windows

PATENT

Used for pivot and top-hung windows.

#### 742

Espagnolette with wedge bolts and casement stay transmission.

#### **Face plate**

Steel 20 x 2.0 mm.

#### **Bolt rod**

Steel 9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
33	41	
40	48	

#### **Profile**

The espagnolette fits milling according to drawing, with adaptation for lock housing.

#### **Bolts**

Centering wedge bolts with bolt stroke of 17 mm.

#### **Accessories**

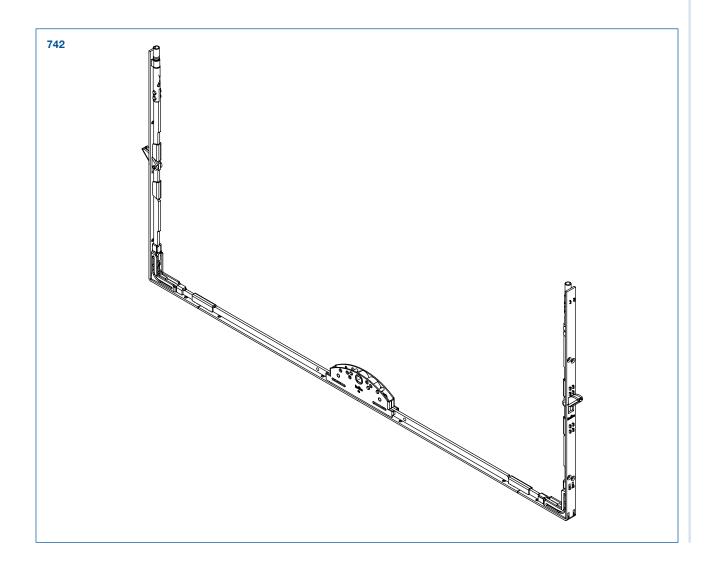
Receivers, page F 104–F 108.

Protective plate, page C 74.

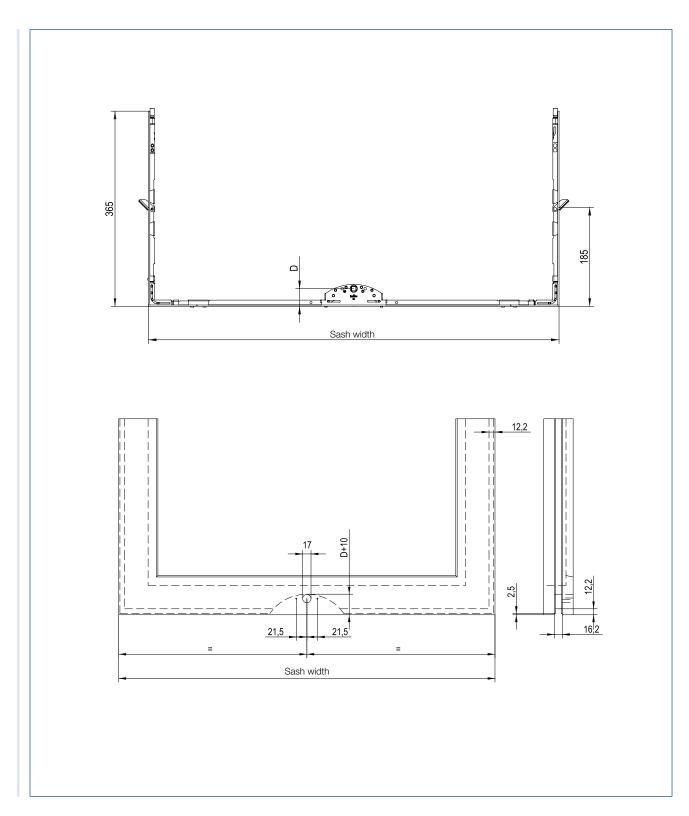
Sliding plate, page C 74.

Handle fixture, page C 75.

Friction casement stay, page I 174.



Instructions for milling.



742 with hook bolt

## Made-to-measure espagnolette for windows

**PATENT** 

Used for pivot and top-hung windows.

#### 742

Espagnolette with hook bolts and casement stay transmission.

#### **Face plate**

Steel 20 x 2.0 mm.

#### **Bolt rod**

Steel 9 x 3.5 mm.

#### **Backset**

Backset	Lock depth	
33	41	
40	48	

#### **Profile**

The espagnolette fits in Euro-note, with adaptation for lock housing and bolt housing.

#### **Bolts**

Self-locking and centering hook bolt with bolt stroke of 24 mm.

#### **Accessories**

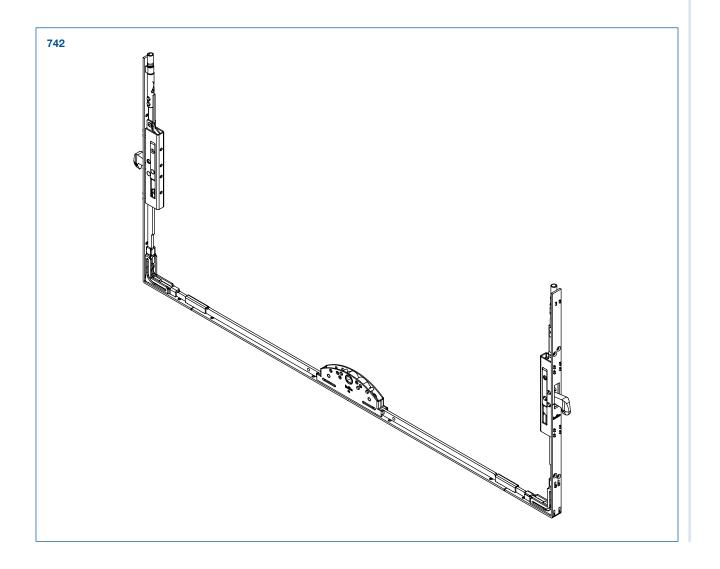
Receivers, page F 109–F 111.

Protective plate, page C 74.

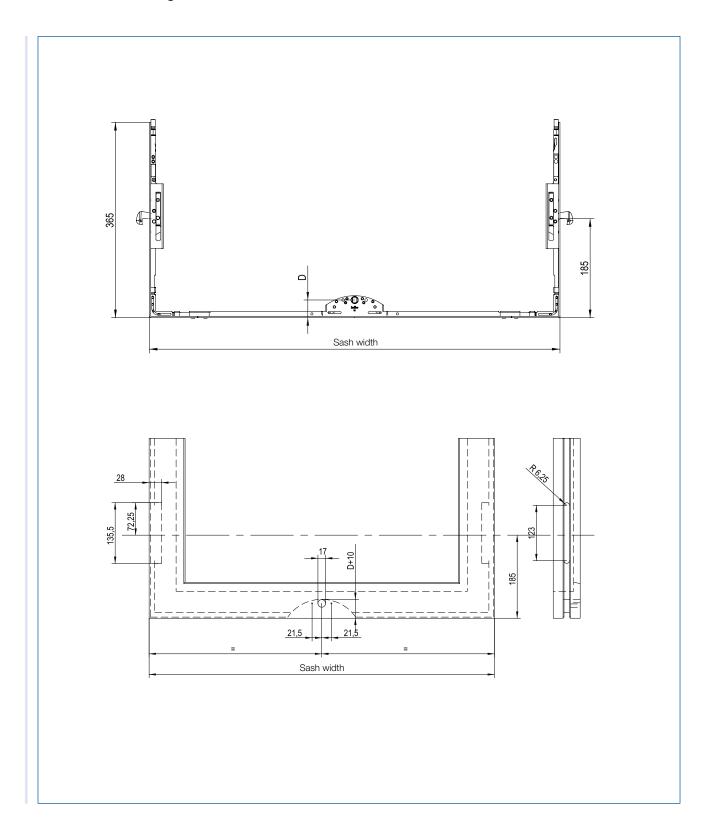
Sliding plate, page C 74.

Handle fixture, page C 75.

Friction casement stay, page I 174.



Instructions for milling.



**S8158** (825) **3954 4966** 

### Made-to-measure espagnolette for windows

Used for pivot windows.

#### Fix S8158

Face plate 25 x 2 mm (20 x 2 mm on request).

roquocij.	
Backset	Lock depth
20 mm	35 mm
18 mm	31 mm

#### Design as for the rest

Side rods 8 x 4 mm, with chamfered end.

Bolt, wedge bolt type, bolt stroke 17 mm.

Two or three bolts depending on sash width.

Handle placing: Center.

General description, catalogue section B. Also available with security bolt, hook bolt type.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Note

The bottom espagnolette face plate is extended past the transmissions and

euqipped with bending instructions and guide slit for the transmission. When mounting on window, the plate edge is bent and functions as support for the side rod and the sash's corner reinforcement. The Fix 4966 rod guide is mounted as close to the top of the sash as possible and is held in place by the sash groove filling.

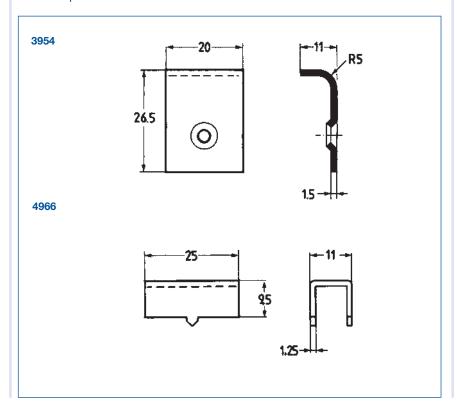
#### **Accessories**

Receiver for side rod, Fix 3954. Receiver for wedge bolt, page F 104–F 108.

Rod guide Fix 4966. Handle fixture Fix 806, page C 75.

#### When ordering, please state:

- 1. Item number
- 2. Sash width (min. 480 mm)
- 3. Sash height
- 4. Backset
- 5. Whether bottom espagnolette should have three bolts
- 6. Receiver





**S8158** (825) **3954 4966** 

C



### Espagnolette for windows

Used for windows with glide-hung sash, H window type.

#### Fix 5600 Design

Lock housing and separate rods, which (possibly after cutting) are coupled when mounted into the sash.

Backset 28 mm, lock depth 36 mm.

Rower # 8 mm or # 7 mm.

Rod 8 x 4 mm, bolt stroke 17 mm.

Rod 10 x 4 mm, bolt stroke 17 mm.

Rod 10 x 5 mm, bolt stroke 17 mm.

#### **Operation**

The chamfering of the rod end and the design of the receivers results in a sash movement of approx. 5 mm against the outside frame when closing the window.

When the window is closed, the rods are locked.

Lock housing, rods and rod guides are made of galvanized steel. Rower is powder pressed, available in 7 and 8 mm.

#### Installation

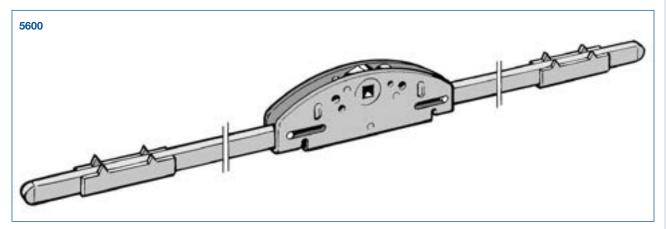
Instructions for milling, with measurements, catalogue section E.

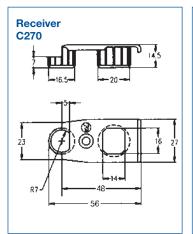
#### **Accessories**

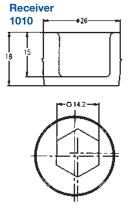
Receivers Fix C270 and 1010. Handles, catalogue section G. Rod guide Fix 5512, for 4 x 8 mm rod. Rod guide Fix 730681, for 4 x 8 mm and 4 x 10 mm rod.

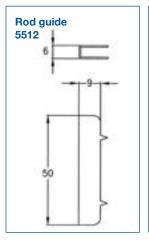
Standard length in mm:	Rod length in mm:
392 492 592 692 792 892 992 1092 1192 1292 1392 1492 1592 1692 1792	170 220 270 320 370 420 470 520 570 620 670 720 770 820 870 920

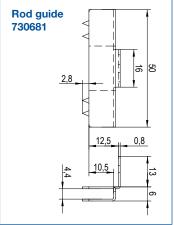
### Material











### **FIX**

### Made-to-measure espagnolette for windows

**\$1751** (960) **\$1754** (990) **C270** 

Used for windows with glide-hung sash, H window type.

#### S1751

Face plate 20 x 2 mm. Backset 28 mm. Lock depth 38 mm.

#### S1754

Face plate 25 x 2 mm. Backset 26 mm. Lock depth 35 mm.

#### Design as for the rest for both

End bolt, grab bolt type. Handle placing, centered. General description, catalogue section B.

#### **Operation**

When closing, the grab bolts pull the sash approx. 10 mm towards the outside frame.

The lock housing has a linkage system with eccentric locking, which locks the rods when the window is closed.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### **Accessories**

Receiver Fix C270. Handle fixture Fix 806, page C 46. Handle, catalogue section G.

#### Receiver C270

The reciever has two positions for the bolts: Closed and airing positions.

#### **Material**

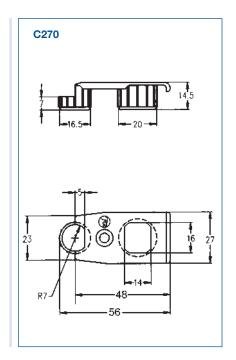
Zinc.

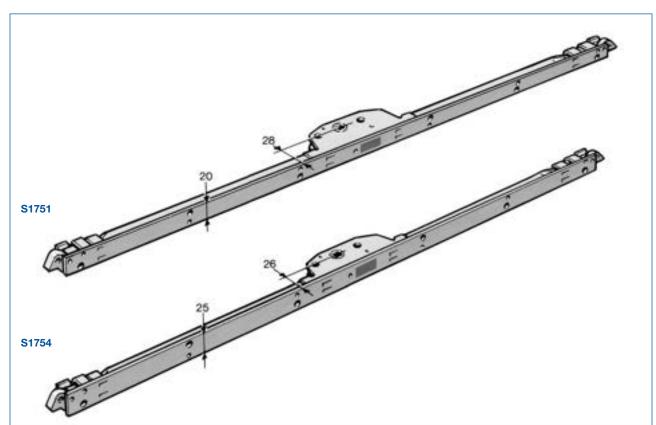
#### Screw

Use no. 9 (4.5 mm) TFX / DIN 7997.

#### When ordering, please state

- 1. Item number
- 2. Sash width (min. 350 mm)
- 3. Receiver

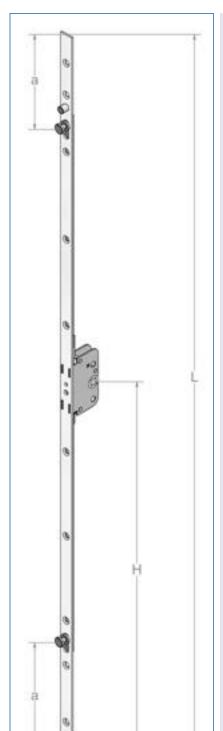




S1801

## Mushroom bolt espagnolette for windows

Used for inward- and outward-opening side-hung or glide-hung windows.



#### Face plate

16 x 2, 20 x 2, 22 x 2 or 25 x 2 mm

#### **Bolt rod**

Flat 11 x 2.9 mm

#### **Lock housing**

Non-lockable

#### Side bolt

Mushroom bolt

#### Rower

Square 8 mm

#### Construction

The espagnolette has side bolt, mushroom bolt type, with sealing and securing operation. The guide pin helps center the sash in the outside frame. Fits in Euro-note (applicable to face plate 16 x 2).

#### **Transmission casement stay**

Yes

#### Right/left

Same

#### **Accessories**

Receiver: customer-fit

Backset	Lock depth	
25	32	
28	35	
33	40	
40	47	



#### 2760 69 71 66R 071 068 067

### Dead lock for windows and hatches

Used for windows or hatches when no espagnolette is required.

#### Fix 2760

#### Design

Backset 25 mm, lock depth 36 mm. Rower with square hole, 8 mm.

#### **Characteristics**

The lock bolt has a 13 mm bolt stroke. The lock bolt has distinct positions for open and closed.

Right and left are identical.

#### **Material**

Brass rower.

Other parts of zamak alloy.

#### Installation

To be recessed. Measurement drawing below.

#### **Accessories**

Reciever Fix 66R (included). Handle, catalogue section G.

#### Primo 69 and 71

#### Design

Backset 17 mm, lock depth 27 mm. Rower with square hole, 7 mm.

#### **Characteristics**

The lock bolt has a 9 mm bolt stroke. Right and left are identical.

#### Material

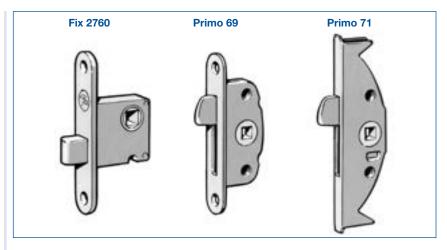
Galvanized steel.

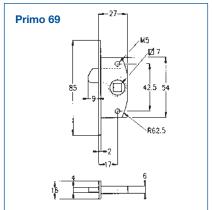
#### Installation

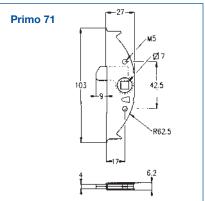
To be recessed. Milling is done with a sawblade, 125 mm diameter (applies to Primo 71), measurement drawing below.

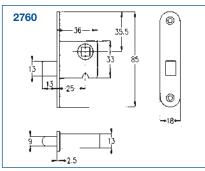
#### **Accessories**

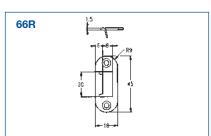
Receiver Primo 068, 067 or 071. Handle, catalogue section G.

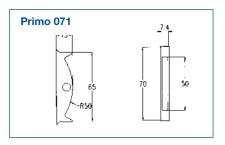


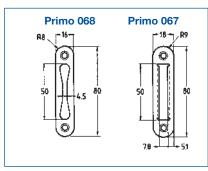










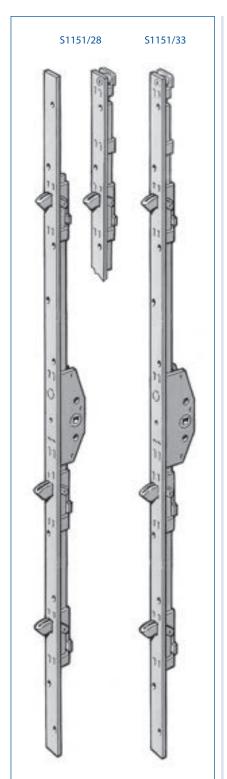


C

S1151 (867, 867F) S1151 (8670, 8670F)

# Espagnolette for glazed doors

Used for outward- and inward-opening single doors.



#### S115

Has backset 28 mm, lock depth 38 mm. Alternatively, transmission at the top for Fix casement stay.

#### S1151

Has backset 33 mm, lock depth 43 mm and transmission at the top for Fix casement stay.

#### Design as for the rest for all

Face plate 25 x 2 mm.
Side bolts, wedge bolt type, bolt stroke
17 mm.

Handle height 1000 mm. Right and left are identical. General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Accessories

Receivers, page F 104–F 108. Protective plate Fix 873, page C 74. Handle fixture Fix 806, page C 75. Handle, catalogue section G. Handle coupling, page G 137. Casement stay for Fix S1166 and S1167, page I 171–I 173.

#### Lengths

Item	Espagno- lette	Number of break slots		Num- ber of
	length		bot-	side
	mm	top	tom	bolts
S1151	1915	1	1	3
	2015	1	1	3
	2115	1	1	3
	2215	1	1	3
S1151	1915	1	1	3
	2015	1	1	3

Can also be made-to-measure, page C 35.



## Espagnolette for glazed doors

S3151 (845F) S3151 (8450F)

**PATENT** 

Used for outward- and inward-opening single doors. Lockable with cylinder. Also available with micro.

#### S3151 Design

Face plate 25 x 2 mm.

Backset 28 mm.

Lock depth 41 mm.

Side bolts, wedge bolt type, bolt stroke 17 mm.

Handle height 1000 mm.

Alternatively, transmission at the top for Fix casement stay.

Right and left are identical.

General description, catalogue section B.

#### S3151

#### Design

Same as above but with backset 33 mm.

#### Operation and features

Lockable with cylinder from one side or from both sides.

Locking and unlocking is done manually with a key or a turn catch.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Accessories

Receivers, page F 104–F 108.
Protective plate Fix 873, page C 74.
Handle fixture Fix 842, page C 75.
Handle, catalogue section G.
Handle coupling, page G 137.
Casement stay for Fix S3157, page I 137.
Lock cylinder: Oval cylinder, standard

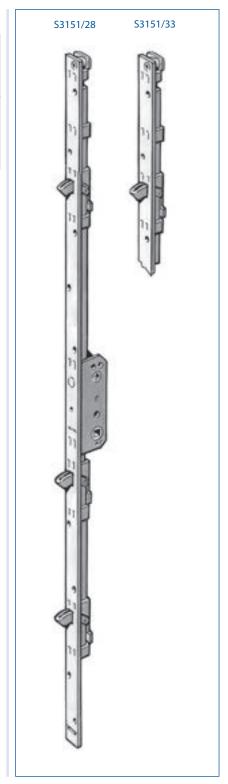
Lock cylinder: Oval cylinder, standard type.

Other accesories for locking, page C 70–C 71.

#### Lengths

Item	Espagno- lette	Number of break slots		Num- ber of
	length		bot-	side
	mm	top	tom	bolts
S3151	2015		1	3
S3151	1915 2015		1 1	3 3

Can also be made-to-measure, page C 37.

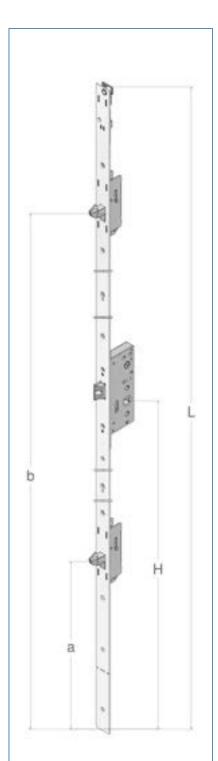


S3107 S4107 S4115

# Made-to-measure latch bolt espagnolette for glazed doors

**PATENT** 

Used for comfortable operation of glazed doors. Lockable with cylinder.



#### S3107

Side bolt, wedge bolt type, bolt stroke 17 mm.

Face plate 16, 20, 22 and 25 mm.

#### S4107

Side bolt, hook bolt type, bolt stroke 25 mm.

Face plate 22 and 25 mm.

#### S4115

Side bolt, hook bolt type (Asgard), bolt stroke 25 mm.

Face plate 16, 20, 22 and 25 mm.

#### **Bolt rod**

Flat 11 x 2.9 mm

#### **Lock housing**

Lockable

Lock depth	
44	
48	
53	
	44 48

#### Rower

Square 8 mm.

#### Construction

Meets requirements accondring to Swedish Standard SS3535 classification 3. The handle is pressed down for opening. For leaving open in airing position, the handle is lifted upwards (requires Fix friction door holder). The door is closed without operation the handle and is kept closed by the latch bolt. For operation of the side bolts and locking, the handle is lifted upward. Then, the key or turn catch is used. The handle always returns to a horizontal position. Available in right and left version, may be changed by rotating the latch bolt.

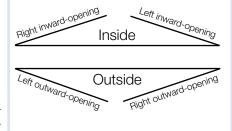
#### **Transmission casement stay**

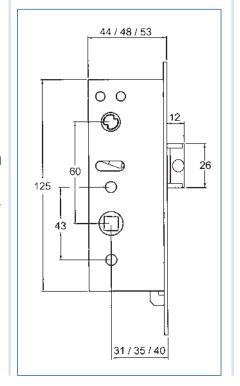
Available on request.

#### **Accessories:**

Friction door holder, page I 171–I 173. Receiver, page F 108–F 111. Handle Vinga Fix 7314, Fix 7315. Turn catch Vinga Fix 7335. Cover plate Vinga Fix 7323.

Oval lock cylinder, standard type.







**\$2453** (1013F) **\$2454** (1080F)

### C

## Espagnolette for glazed doors

Lockable with cylinder. In case of requirements for extra high security.

#### Fix S2453 and S2454

Used for inward- and outward-opening single doors with high security requirements. Enables approved locking from both sides. Not for coupled sashes.

#### **Characteristics S2453**

Meets requirements according to Swedish Standard SS3079, classification 3. Automatic bolting mechanism for the hook bolt. Tempered and force-controlled hook bolt. All the espagnolette bolts are secured by the hook bolt lock. Available with built-in micro switch. Espagnolette backset: 28 mm, lock depth 38 mm. Hook bolt lock Assa 13787 has backset: 30 mm, lock depth 49 mm, with transmission for mortised casement stay.

#### Operation: S2453

The espagnolette is closed by pressing the handle down. Locking with cylinder or handle.

Backset Lock depth 28 mm (Fix lock housing) 38 mm 30 mm

(Assa lock housing 13787) 49 mm

#### **Characteristics S2454**

Meets requirements according to Swedish Standard SS3522, classification 3. Automatic bolting mechanism for the hook bolt. Tempered and force-controlled hook bolt. All the espagnolette bolts are secured by the hook bolt lock. Available with built-in micro switch. Espagnolette backset 28 mm, lock depth 38 mm. Motor lock Assa 8087S has backset 30 mm, lock depth 49 mm, electric manipulation of the hook bolt. Voltage 12–24 V AC/DC. 10 m connection cable with control unit and receiver. The espagnolette has transmission for mortised casement stay.

Also available made-to-measure.

#### **Operation: S2454**

The espagnolette is closed by pressing the handle down, and the motor then drives the hook bolt out to lock the espagnolette bolt rod. The hook bolt may be operated mechanically with a key.

Backset Lock depth
28 mm (Fix lock housing) 38 mm
30 mm
(Assa lock housing 80875) 40 mm

(Assa lock housing 8087S) 49 mm

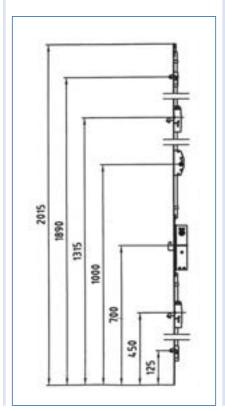
### Design as for the rest S2453 and S2454

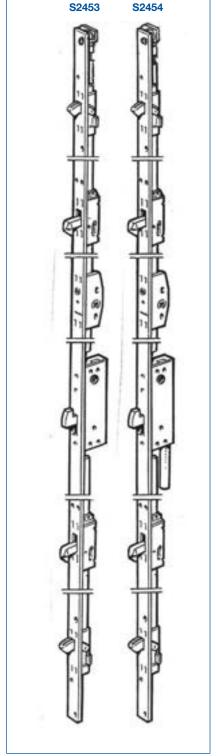
Bolt type: Hook bolt, wedge bolt and hook bolt.

Face plate 25 x 2 mm. Handle height 1000 mm. Right and left are identical.

#### Receiver, page C40-43.

Receiver for Assa lock housing 1887-9.

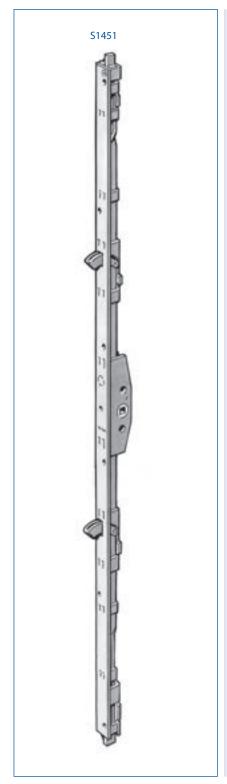




S1451 (868F)

# Espagnolette for glazed doors

Used for outward- and inward-opening double doors.



#### Fix S1451 Design

Face plate 25 x 2 mm.
Backset 28 mm.
Lock depth 38 mm.
End bolts, grab bolt type, two side bolts, wedge bolt type.
Length 2015 mm.
Handle height 1000 mm.
Right and left according to symbol.
Transmission at the top for Fix friction casement stay.
General description, catalogue section B.
Can also be made-to-measure, page C 38.

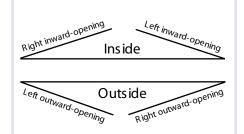
#### Installation

Instructions for milling, with measurements, catalogue section E.

#### Accessories

Receiver, page F 104–F 108, F 114–F 115.

Protective plate Fix 873, page C 74. Handle fixture, page C 75. Handle, catalogue section G. Handle coupling, page G 137. Friction casement stay, page I 171–I 173.





## Made-to-measure espagnolette for glazed doors, double doors

\$3451 (849F) \$3452 (849FM) \$1451 (860F) \$1452 (860FM) \$4451 (1049F) \$4452 (1049FM) \$2451 (1060F) \$2452 (1060FM)

Used for outward- and inward-opening double doors. For comfortable handle operation of both active and passive doors. Also available with micro.

#### S3451 and S4451

For the active door.

Lockable with cylinder. Fix S3451 has side bolts, wedge bolt type, bolt stroke 17 mm.

Fix S4451 has side bolts, hook bolt type, bolt stroke 25 mm. Fix S3451 and S4451 also have end bolts, grab bolt type.

### S1451 and S2451 For the active door.

Fix S1451 has side bolts, wedge bolt type, bolt stroke 17 mm.

Fix S2451 side bolts, hook bolt type, bolt stroke 25 mm.

Fix S1451 and S2451 also have end bolts, grab bolt type.

#### S3452, SS4452, S1452 and S2452

For the passive door.

Fix S3452 and S4452 are lockable with cylinder.

End bolts, grip bolt type.

Face plate slots for side bolts, wedge bolt type, alternatively hook bolts on the espagnolette for the active door. Right and left according to symbol.

#### Design as for the rest for all

Face plate 25 x 2 mm.

Handle height optional.

Limitations, see catalogue section E. Has transmission for Fix friction casement stay.

The number of side bolts and slots is decided with regard to the height of the sash, see catalogue section E. General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E. (Not applicable to bent rod for FM espagnolettes.)

#### **Accessories**

Receiver, page F 104–F 111, F 114–F 115.

Protective plate Fix 873, page C 74.

Handle fixture, page C 75. Handle coupling, G 137.

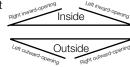
Friction casement stay,

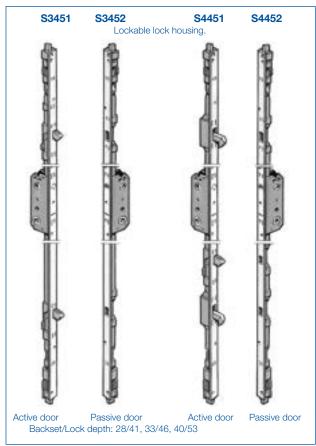
page I 171-I 173.

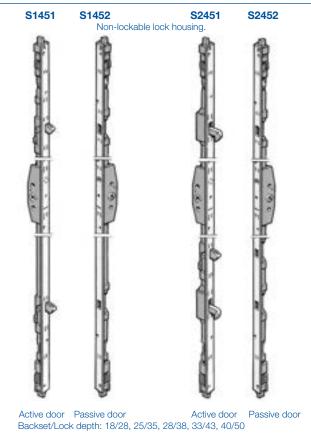
Lock cylinder: Oval cylinder, standard type. Other accesories for locking, page C 70–C 71.

#### When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Backset
- 5. Type of receiver
- 6. Right or left



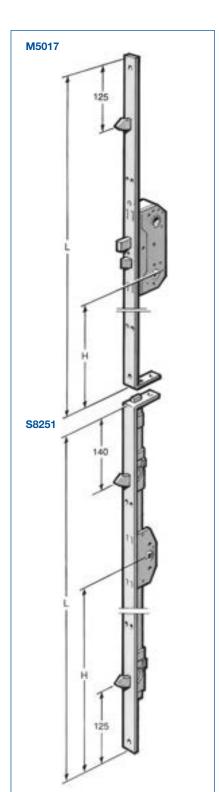




**M5017** (2152) **S8251** (882)

### Made-to-measure espagnolette for half doors

Used for outward- and inward-opening single doors, half door type. Lockable with cylinder.



#### M5017

Lockable with oval or round cylinder with standard mounting. 360 or 90 degree key turn.

Prepared for micro switch (accessory kit Fix 5030).

Backset 50 mm.

Lock depth 74 mm.

Dead bolt, latch bolt and 1 wedge bolt, 125 mm from upper edge.

Face plate bent at bottom end with a slot for end bolt from Fix S8251.

Available in right and left version.

Can be changed by rotating the latch

#### S8251

Backset 40 mm.

Lock depth 53 mm. Side bolts, wedge bolt type.

Bottom side bolt 125 mm from bottom edge, top side bolt 140 mm from top edge.

End bolt, wedge bolt type top, guided through slot in bent face plate. Right and left are identical.

#### Design as for the rest for both:

Face plate 25 x 2 mm.

Galvanized steel. Optional lenght and handle height. Limitations, see cataloque section E.

#### **Operation and features**

When the bottom half of the door is closed (side bolts in operation, end bolt retracted), the top half of the door can be opened. When the bottom half of the door is opened, by turning the bottom espagnolette handle up (side bolts retracted, end bolt in operation), the entire door can be opened and closed using the top handle.

When the door is unlocked, wedge bolts and latch bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The top handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle.

Turning the handle up will lock the door. The wedge bolt is then operated and enters the receiver. A locking turn is then done with the key or turn catch. The dead bolt is then operated and is locked together with the wedge bolt.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### **Accessories**

Receivers, page F 104–F 108. Handle for Fix S8251, catalogue section G.

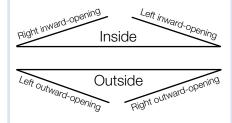
Handle fixture Fix 806, page C 75. (Applies to Fix S8251)

Handle and turn catch for Fix M5017, of standard type for standard door lock (no return spring).

Lock cylinder: Oval or round cylinder with standard mounting.

#### When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Type of receiver
- 5. 90 or 360 degree key turn (applies to Fix M5017)
- 6. Right or left (applies to Fix M5017).





**\$8452** (8750) **\$8454** (8751) **\$8457** (8752) **5540** 

C

### Made-to-measure espagnolette for evacuation doors

Used for outward- and inward-opening single doors and double doors.

#### S8452

For double doors.

Mounted into passive doors.

End bolt, grab bolt type and round cone-shaped bottom only, bolt stroke 14 mm.

Slot in face plate as receiver for active door lock.

Right and left according to symbol.

#### S8451

As above, but with top and bottom grab bolt.

#### S8453

As above, but with top and bottom round cone-shaped bolt.

#### S8454

For double doors.

Mounted into active doors.

End bolts, grab bolt type, or round cone-shaped, bolt stroke 14 mm. Side bolts, wedge bolt type, bolt stroke 17 mm.

Right and left according to symbol.

#### S8457

For single doors.

Side bolts, wedge bolt type only, bolt stroke 17 mm.

Right and left are identical.

#### Design as for the rest for all

Face plate 25 x 2 mm.

#### Lock housing

Backset	Lock depth	
18 mm	31 mm	
23 mm	36 mm	
28 mm	41 mm	
40 mm	53 mm	

The espagnolettes have reversed handle movement. When closed, the handle is horizontal. When open, the handle is pointing down. General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E. (Not applicable to bent rod for the S8452 espagnolette.)

#### **Evacuation cover Fix 5540**

Plastic cover, green, mounted over the handle

Fits handles Fix 42, 76, 83, 95, 876S and 835S.

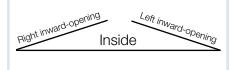
#### Accessories

Receiver, F 104–F 108, F 114–F 115, F 119.

Handle fixture Fix 806, page C 75. Handle, catalogue section G.

When ordering, please state:

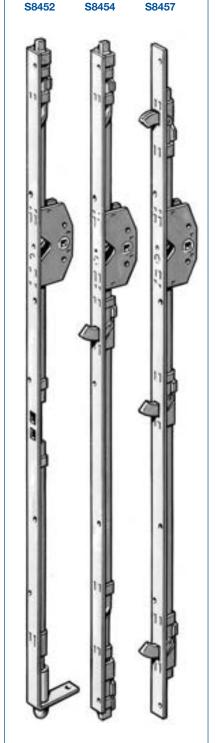
- 1. Item number
- 2. Door height
- 3. Handle height
- 4. Right and left according to symbol (applies to Fix S8452 and S8454)
- 5. Gap between door and floor when threshold is missing (applies to Fix S8452 and S8454)
- Type of door lock in active doors and lock placing, to facilitate slots in the espagnolette face plate for the door lock bolts (applies to Fix S8452).



Outside

Right outward-opening

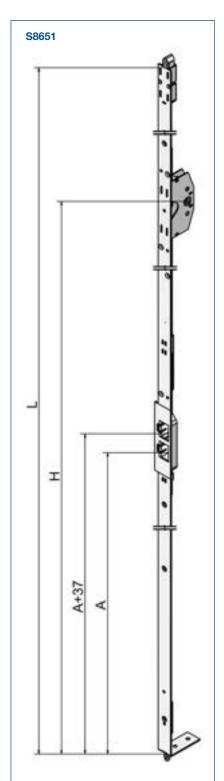


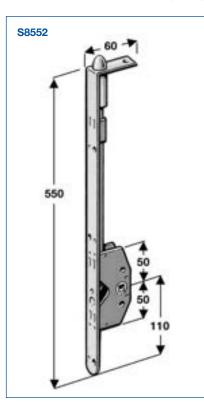


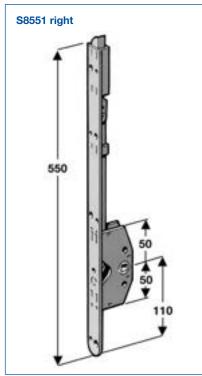
**\$8552** (8814) **\$8551** (8813) **\$8651** (8840)

### Made-to-measure espagnolette for double doors

Used for outward- and inward-opening double doors. Mounted at the top of passive doors.







#### S855

For inner doors in hospital, school, etc. End bolt, top only, round cone-shaped, bolt stroke 14 mm. Right and left are identical.

#### S8551

Used like Fix S8552 and for fireproof doors, which is to close automatically. End bolt top only, chamfered, spring-operated.

Backset	Lock depth
23 mm	36 mm
40 mm	53 mm

Right and left according to symbol.

#### S8651

Used for fireproof doors, which automatically bolts the passive door closed in case of fire.

Available with slot in face plate for optional active door lock or prepared for mounting of receiver on the face plate.

Backset Lock depth

Backset Lock depth 40 mm 53 mm

#### Design as for the rest

Face plate 25 x 2 mm in galvanized steel. The espagnolettes have reversed handle movement. When closed, the handle is horizontal. When open, the handle is pointing down. On Fix S8551 and S8651, the handle returns to a horizontal position after closing. (Applies to handles without locking position.) General description, catalogue section B.

#### Installation

Instructions for milling, with measurements, catalogue section E.

#### **Accessories**

Receiver, page F 114–F 115, F 119 Handle fixture Fix 806, page C 75. Handle Fix 17, page G 138. For Fix S8551 and S8651, handles without locking position should be used, catalogue section G.

When ordering, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Right or left (applies to Fix S8551).



S8654

C

# Sliding door espagnolette

Used for sliding doors. Lockable with cylinder.

#### **Face plate**

25 x 2 mm

#### **Bolt rod**

Standing 12 x 3.5 mm

#### **Lock housing**

Lockable

#### Side bolt

Hook bolt, bolt stroke 25 mm

#### **Rower**

Square 8 mm

### Right/left

Same

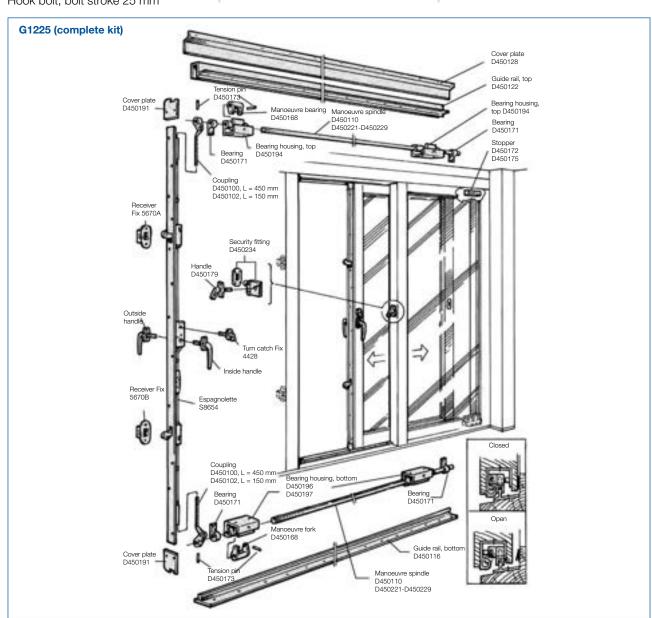
#### Accessories:

Complete kit for sliding doors, called Sliding door fitting G1225.

#### Note:

Max weight, sliding door 150 kg.

Backset	Lock depth	c/c	
40	53	60	
40	53	105	



4428 4087 4408

# Lockable espagnolette, mounting example, accessories

The mounting examples assume that the door has penetrating holes for oval cylinder. When mounting the inside of the cylinder, the inner handle must have a break-secure device in the handle pin.

#### Turn catch 4428 Material

Zamak. Polished or satin chromated, brass plating, white or brown powder varnish.

Spindle length: 25, 43 and 52 mm.

#### Installation

Insert the turn catch into the lock rower of the espagnolette with the handle pointing down in locked position. Cover plate Fix 4087.

#### **Material**

Zamak. Polished or satin chromated, brass plating, white or brown powder varnish.

Screw receiver length 15 and 23 mm. Protection plate Fix 4408.

Used for drill protection, for increased protection against forced entry.

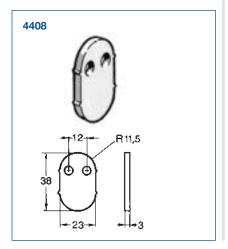
#### Material

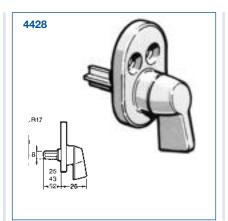
Tempered steel, galvanized.

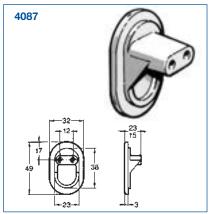
#### Installation

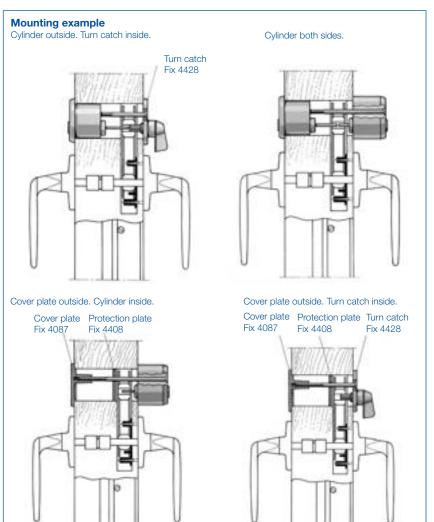
Mounted inside the cover plate and kept in place by penetrating screws.

See also the Vinga handle series, page G 126, G 129-G131









### **FIX**

### Lockable espagnolette, mounting example, accessories

4058 4059 4412

The mounting examples assume that the door has penetrating holes for oval cylinder. When mounting the inside of the cylinder, the inner handle must have a break-secure device in the handle pin.

#### Coupling plate 4058

Transmits the outside cylinder locking operation to the espagnolette. Also works as a counter plate for the outside cylinder screws.

#### **Material**

Brass follower. Plate of galvanized

Spindle length: 15, 35, 55 mm.

#### Nut plate 4412

Screw receiver and support for the locking handle.

#### **Material**

Zamak.

### Fixing plate 4059

Support for the inside cylinder.

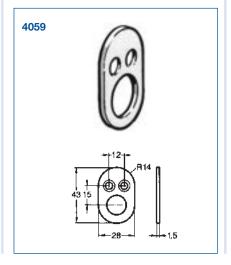
#### **Material**

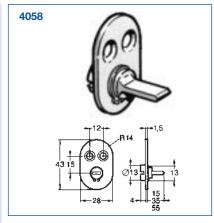
Galvanized steel.

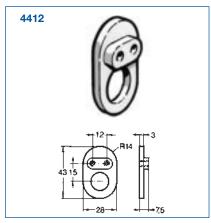
#### Installation

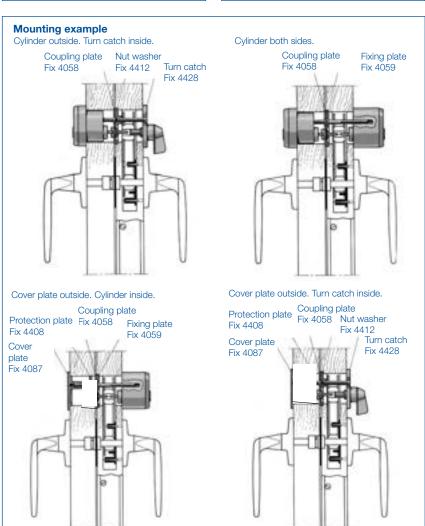
Mounting in recess in inner sash half.

See also the Vinga handle series, page G 126, G 129-G131









### Flush bolt for windows and doors

**PATENT** 

#### Security flush bolt 1215

Approved by the Swedish Theft Prevention Association in classification 2 according to SS3540.

Used for inward- and outward-opening two-light windows without mullion.

#### **Design**

Housing of zamak. Bolt of galvanized steel with bolt stroke 15 mm. Stainless steel spring.

#### **Operation**

Keeps the passive sash closed when the other sash is opened. When opening the passive sash, the other sash must be opened enough to access the folding manoeuvre arm. When closing, the manoeuvre arm brings the bolt into a locking position, and the arm is then folded back into a locked position.

#### Security flush bolt 1220

Approved by the Swedish Theft Prevention Association in classification 3 according to SS3540. Also available with micro.

Used for inward- and outward-opening double doors.

#### **Design and operation**

Like Fix 1215, but with a bolt that has a 20 mm bolt stroke.

#### Accessories

Receiver, FAS 2301.

#### Screw

Use screw no. 5 (3.0 mm) TFX / DIN 7997.

#### Flush bolt Fix 146

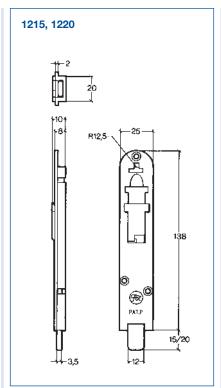
Used for inward- and outward-opening two-light windows without mullion.

#### **Design**

Housing and locking bolt of white acetal plastic.

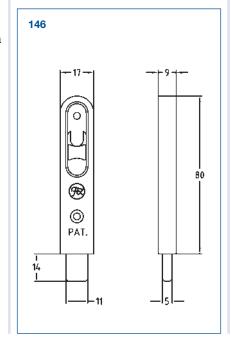
#### Operation

Keeps the passive sash closed when the other sash is opened.





Security flush bolt with micro switch. Fix 1220MB







8312 9312 1440

C

### Flush bolt for windows and doors

Used for inward- and outward-opening two-light windows without mullion and double doors.

#### **Design**

Housing of zamak. Surface treatment chrome plated, satin chrome or brass plating.

Fix 8312 has a bolt of galvanized steel with bolt stroke 0-17 mm. Fix 9312 has a bolt of galvanized steel 8 mm outside the post, and with bolt stroke 8-25 mm.

#### **Operation**

Keeps the passive sash closed when the other sash is opened. When opening the passive sash, the other sash must be opened enough to access the folding manoeuvre arm. When closing, the manoeuvre arm brings the bolt into a locking position, and the arm is then folded back into a locked position.

#### **Accessories**

Receiver (acetal plastic) and screw included.

#### Hinge-side safety pin 1440

Used for increasing the protection against forced entry on the hinge side of an existing door when pin-holding hinges, rear edge fittings or other devices cannot be used.

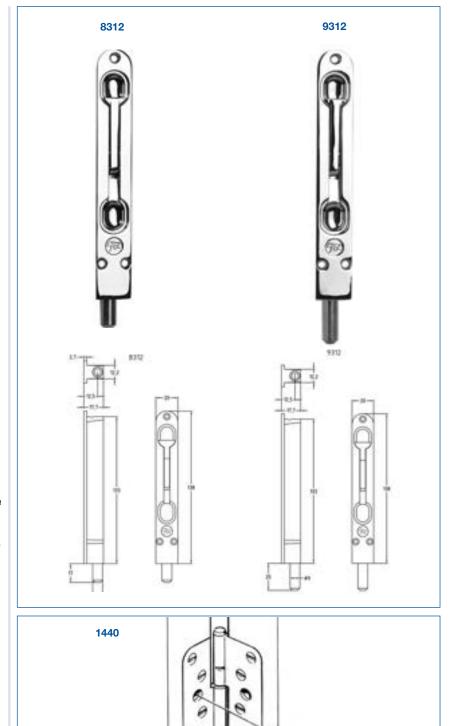
#### **Operation and features**

To be screwed into the outside frame or the sash through a drilled hole in one half of the hinge.

When the door is closed, the pin goes into a drilled hole in the other half of the hinge. This makes it more difficult to lift the door off or break it open on the hinge side.

#### **Material**

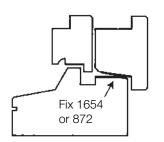
Galvanized steel.

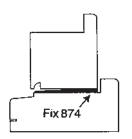


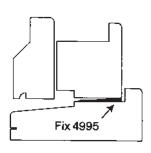
Ø 7 mm L = 50 mm

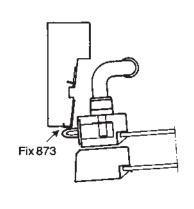
# Sliding plate and protective plate

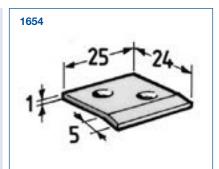
#### Mounting example

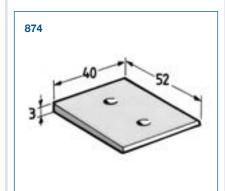


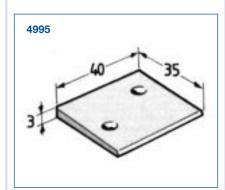


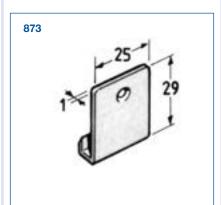












#### Sliding plate 1654

Fix 1654 for inward-opening windows.

#### **Operation and features**

Stops the sash from catching the bottom part of the outside frame.

#### **Material**

Stainless steel.

#### Sliding plates 874 and 4995

For inward- and outward-opening window.

#### **Operation and features**

Stops the sash from catching the bottom part of the outside frame.

#### **Material**

Acetal plastic, white.

#### **Protective plate 873**

For outward-opening windows and glazed doors.

#### **Operation and features**

Protects the outside frame from being damaged by protruding side bolt.

#### **Material**

Stainless steel.

#### Mounting (applies to all)

Surface mounting.

#### Screw (applies to all)

Use no. 5 (3.0 mm) TFX / DIN 7997.



# Handle fixtures for espagnolettes, sash couplers

#### Handle fixture 806 and 842

For Fix handles on windows and doors without safe catch for screws.
Fix 842 is used together with lockable Fix espagnolettes. Fix 806 is used together with other Fix espagnolettes.

#### **Operation and features**

Handle screws thread their own grips in the handle fixture, which gives sufficient support without straining the lock housing.

#### **Material**

Acetal plastic.

#### Installation

The handle fixture is factory-mounted together with the espagnolette. The studs are pushed into the slots on the side of the lock housing, which is turned against the inside handle.

#### Sash coupler 80

For windows and glazed doors with coupled sashes.

#### **Operation and features**

Fits both right and left.

The carrier pin gives enough space between the outside and inside sashes. Construction

a) Coupling housing with locking armb) Carrier pin

#### **Material**

7amak.

Locking arm of galvanized steel.

#### Installation

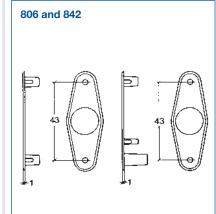
Coupling housing to be recessed. The carrier pin is surface-mounted. When the coupling housing has been screwed into place, the sashes are put together. The coupling housing studs then mark the correct position for mounting the carrier pin.

Note: for outside aluminium sashes, the carrier pin comes without studs.

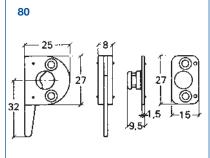
#### Screw

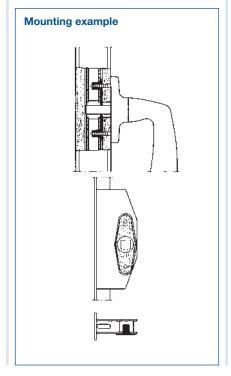
Use no. 5 (3.0 mm) TFX / DIN 7997.

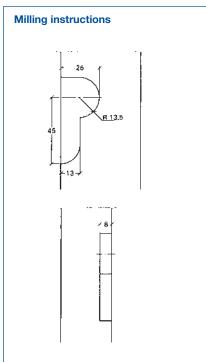












### D

### Multi point lock for doors

**M5000** (2025) **M5100** (2024)

**PATENT** 

Used for inward- and outward-opening front doors.

#### **Face plate**

25 x 2 mm, round plate edges

#### **Bolt bar**

Flat 11 x 2.9 mm

#### M5000

Key turn 360°

#### M5100

Key turn 90°

#### Side bolt

Hook bolt, 2 pcs., bolt stroke 25 mm. Latch bolt and dead bolt.

#### **Rower**

Square 8 mm

#### **Operation and features**

When the door is unlocked, hook/ wedge bolts and dead bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle. Locking is done by turning the handle upwards. The handle goes back to a horizontal position. The locking is then done with a key or turn catch. The dead bolt goes into operation and is locked together with the hook/wedge bolts.

#### Accessories

Receiver, page F 109–F 111, F 112–F 113.

Door handle ASSA or handle without return spring.

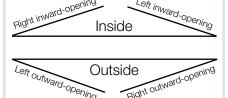
Also available with micro switch. Assa drill protection fitting LS 12209.

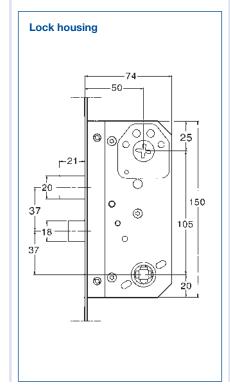
#### **Transmission casement stay**

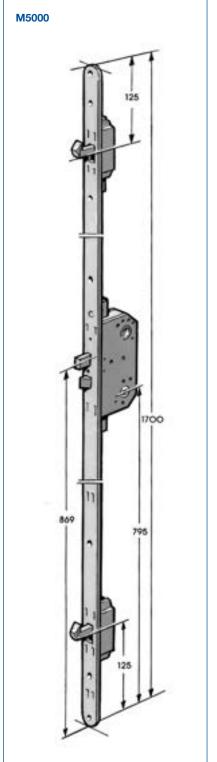
No

#### Right/left

Not identical, see symbol.





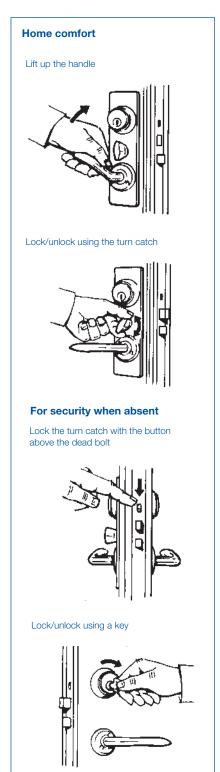


**M5200** (2000) **M5202** (2001) **M5201** (2002)

## Multi point lock for doors

**PATENT** 

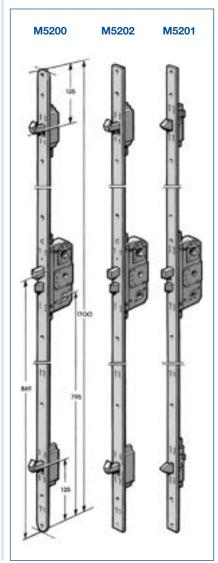
Used for outward- and inward-opening front doors.



#### M5200

Lockable with round double cylinder. Key turn 360 degrees.

Face plate 25 x 2 mm with round-trimmed plate edges. Galvanized. Backset 50 mm, locking depth 76 mm. Dead bolt, latch bolt and two hook bolts. The hook bolts provide increased protection against forced entry. Length 1700 mm. Handle height 795 mm. Available in right and left version. Can be changed by loosening the lock housing from the plate and rotating the dead bolt.



### M5202

Like above but made to measure, with straight-trimmed plate edges.

#### M5201

Like Fix M5202, but with outer bolts, wedge bolt type.

### **Operation and features**

When the door is unlocked, hook/ wedge bolts and dead bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle. Locking is done by turning the handle upwards. The handle goes back to a horizontal position. The locking is then done with a key or turn catch. The dead bolt goes into operation and is locked together with the hook/wedge bolts.

### Installation

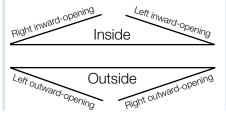
Instructions for milling, with measurements, catalogue section E.

### **Accessories**

Receivers, page F 104–F 113. Select ASSA door handle or handle without return spring. Also available with micro switch.

### When ordering M5202, M5201, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Type of receiver
- 5. Number of bolts, type and placing.
- 6. Right or left



M5001 (2150)

## **M5101** (2151) **M5002** (2026)

D

## Multi point lock for doors, made-to-measure

**PATENT** 

Used for outward- and inward-opening front doors.

#### M5001

Lockable with 360 degree key turn.

#### M5101

Lockable with 90 degree key turn.

#### M5002

Same as Fix M5000, page C 34, but made to measure, optional length and optional handle height and bolt placing. Limitations, see catalogue section E. Key turn 360 degrees, or 90 degrees.

### Design as for the rest for all:

Lockable with round cylinder. Face plate 25 x 2 mm. Polished galvanized steel. Backset 50 mm. Lock depth 74 mm.

Dead bolt, latch bolt and side bolts, wedge bolt type, or hook bolt. Quantity and placing optional. Limitations, see catalogue section E.

Optional lenght and handle height. Limitations, see catalogue section E. Available in right and left version. Can be changed by loosening the lock housing from the plate and rotating the dead bolt.

### **Operation and features**

When the door is unlocked, side bolts and dead bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle.

Locking is done by turning the handle up. The side bolts are then operated and enter the receivers. The locking is then done with a key or turn catch. The dead bolt goes into operation and is locked together with the side bolts.

### Installation

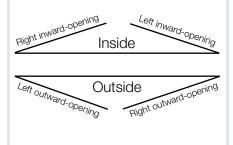
Instructions for milling, with measurements, catalogue section E.

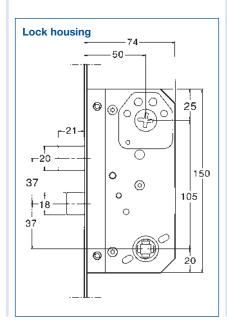
### **Accessories**

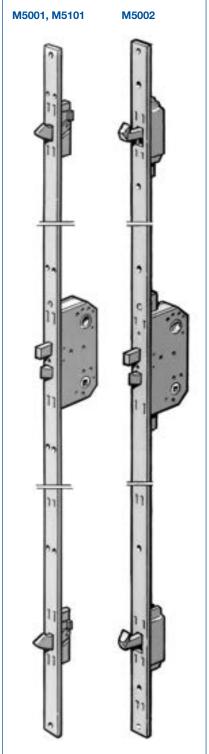
Receivers, page F 104–F 113. Select ASSA door handle or handle without return spring. Also available with micro switch.

### When ordering, please state:

- 1. Item number
- 2. Key turn 90 or 360 degrees
- 3. Length
- 4. Handle height
- 5. Type of receiver
- 6. Number of bolts and their placings
- 7. Right or left







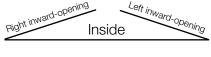


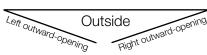
M5300 M5400 M5500

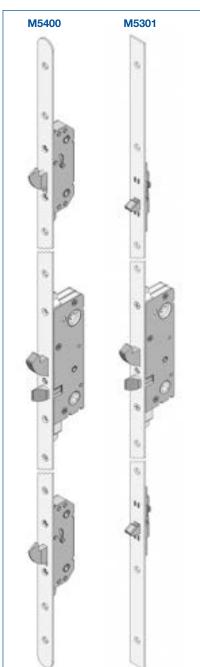
## Multi point lock Evo for doors

**PATENT** 

Used for outward- and inward-opening front doors, and glazed doors.







#### M5300

Length, see below. Key turn 90 degrees.

#### M5400

Length, see below. Key turn 360 degrees.

#### M5500

Length, see below. Key turn 360 degrees. Furthermore, home comfort and away security operation.

### Design as for the rest for both:

Face plate 25 x 2 mm, with round-trimmed plate edges. Galvanized and blue-chromated.

Backset 50 mm.

Lock depth 64 mm.

Hook dead bolt, latch bolt and two hook bolts. The hook bolts provide increased protection against forced entry.

Length 1700 mm.

Handle height 795 mm.

Available in right and left version. Can be changed by rotating the dead bolt.

### M5403

Made to measure. Key turn 360 degrees. Backset 40 and 50 mm. Lock depth L = D + 14 mm.

### M530<sup>-</sup>

Made to measure. Key turn 90 degrees.
Backset 40 and 50 mm.
Lock depth L = D + 14 mm.
With side bolts, wedge bolt type.

### M5503

Made to measure. Key turn 360 degrees, with hook wedge, home comfort and away security operation. Backset 50 mm.

Lock depth L = D + 14 mm.

### Operation and features

Meets the requirements according to Swedish Standard SS3522 classification 3.

When the door is unlocked, hook/ wedge bolts and hook dead bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle. The door is locked when the handle is turned upwards. The hook/wedge bolts are then operated and enter the receivers. The locking is then done with a key or turn catch. The hook dead bolt goes into operation and is locked together with the hook/wedge bolts.

#### Installation

Instructions for milling, with measurements, catalogue section E.

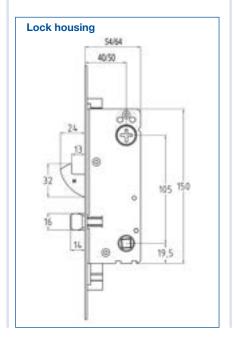
### Accessories

Receivers, page F 104–F 113. Handle (without return spring) and turn catch, standard type.

Lock cylinder: cylinder, standard type.

### When ordering, please state:

- 1. Item number
- 2. For key turn 360 or 90 degrees
- 3. Length
- 4. Handle height
- 5. Backset
- 7. Type of receiver
- 8. Number of bolts and their placings
- 9. Right or left





**M5600** (6025) **M5602** (6026) **M5601** (6151)

D

## Multi point lock for doors

**PATENT** 

Used for outward- and inward-opening front doors.

#### M5600

Lockable with Euro-profile cylinder. Face plate 25 x 2 mm.

Galvanized. Backset 55 mm, locking depth 72 mm. Dead bolt, latch bolt and two hook bolts. The hook bolts provide increased protection against forced entry. Length 2050 mm. Handle height 1070 mm. Available in right and left version.

#### M5602

Like Fix M5600, but made to measure.

#### M5601

Made to measure, outer bolts, wedge bolt type. Otherwise like Fix M5600.

### **Operation and features**

When the door is unlocked, hook/wedge bolts and dead bolt are retracted. The latch bolt is in operation and keeps the door in place and closed. The handle is horizontal and is pushed down to open the door. The door can be closed without turning the handle. Locking is done by turning the handle up. The handle goes back to a horizontal position. The locking is then done with a key or turn catch. The dead bolt goes into operation and is locked together with the hook/wedge bolts.

### Installation

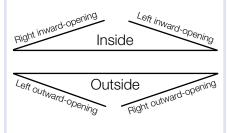
Instructions for milling, with measurements, catalogue section E.

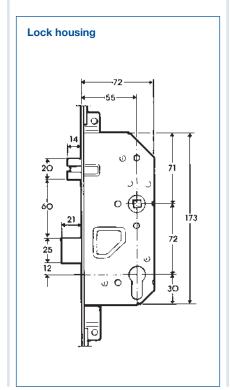
### Accessories

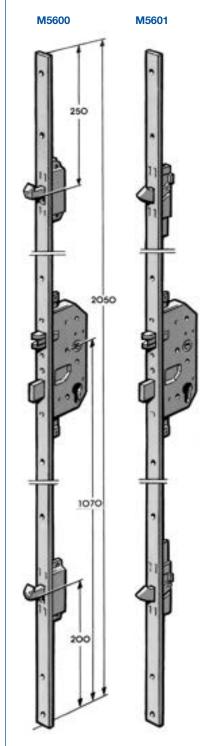
Receivers, page F 104–F 113. Handle (without return spring) and turn catch of DIN standard type. Lock cylinder: Euro-profile cylinder.

### When ordering M5602, M5601, please state:

- 1. Item number
- 2. Length
- 3. Handle height
- 4. Type of receiver
- 5. Number of bolts, type and placing.
- 6. Right or left



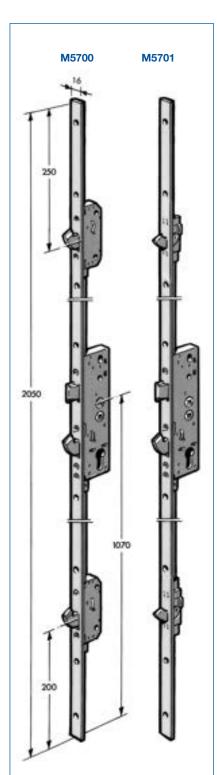




**M5700** (7025) **M5703** (7026) **M5701** (7151)

## Multi point lock for doors

Used for outward- and inward-opening front doors. Primarily for PVC-doors.



### M5700

Lockable with Euro-profile cylinder. Face plate 16 mm.

Galvanized. Backset 35 mm, locking depth 52 mm. Dead bolt, latch bolt and two hook bolts. The hook bolts provide increased protection against forced entry. Length 2050 mm. Handle height 1070 mm. Available in right and left version. Can be changed by rotating the latch bolt.

#### M5703

Made to measure. Face plate 16, 20, 22 or 25 x 2 mm.
Otherwise like Fix M5700.

Lock depth
45 mm
52 mm
62 mm
72 mm

### M5701

Made to measure. Outer bolts, wedge bolt type.

Otherwise like Fix M5700.

### **Operation and features**

Standard operation

Inside and outside handles are mounted into the top rower.

Locking: 1. Lift the handle. The hook bolts and the hook dead bolt are operated and enter the receivers.

2. Press the handle to retract all bolts, including the latch bolt. When the door is unlocked, the latch bolt keeps it closed. The latch bolt is retracted when the handle is pressed.

### "Slam-shut"-operation

(does not apply to 28 mm backset) The inside handle is mounted into the top rower. The outside handle is mounted into the bottom rower. Locking: as above. Unlocking: as above, but with the difference that the latch bolt can only be retracted by using a key from the outside. From the inside, the latch bolt is retracted when the handle is pressed.

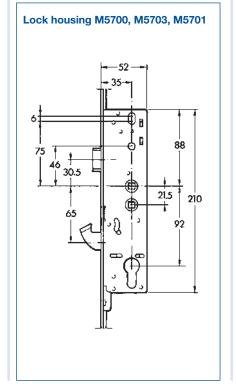
#### Installation

Instructions for milling, with measurements, catalogue section E.

### **Accessories**

Receivers, page F 104–F 113. Handle (without return spring) and turn catch of DIN standard type.

Lock cylinder: Euro-profile cylinder.



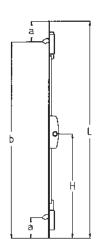


## Espagnolettes for windows

Instructions for milling. Measurements in mm.

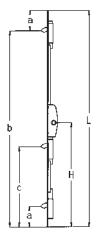
### S1604 with 2 side bolts

L	Н	а	b
390	195	80	310
490	245	80	410
590	295	125	465
690	345	125	565
790	395	200	590
890	445	200	690
990	495	200	790
1090	545	200	890
1190	595	200	990



### S1604 with 3 side bolts

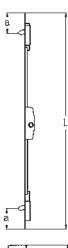
L	Н	а	b	С
1290	645	200	1090	580
1390	695	200	1190	630
1490	745	200	1290	680



### Made-to-measure espagnolettes

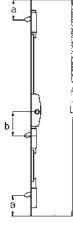
### S1601 with 2 side bolts

L	а	
500–589 590–999	80 125	



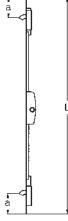
### S1601 with 3 side bolts

L	а	b	
1000-1899	125	65	



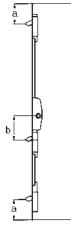
### S1605 with 2 side bolts

L	a	
500–589 590–999	80 125	



### S1605 with 3 side bolts

L	а	b	
1000–1899	125	65	

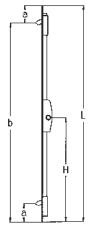


## Espagnolettes for windows

Instructions for milling. Measurements in mm.

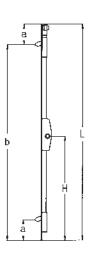
### S1161 with 2 side bolts

L	Н	а	b
388	194	55	333
488	244	80	408
588	294	125	463
688	344	125	563
788	394	125	663
888	444	125	763
988	494	125	863
1088	544	225	863
1188	594	225	963
1288	644	225	1063
1388	694	225	1163
1488	744	225	1263



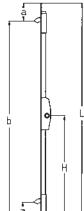
### S1161 with 2 side bolts, and casement stay

L	Н	а	b
788	394	125	663
888	444	125	763
988	494	125	863
1088	544	225	863
1188	594	225	963
1288	644	225	1063
1388	694	225	1163
1488	744	225	1263



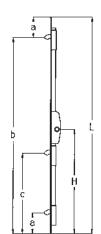
### S1163 with 2 side bolts

L	Н	а	b
450	225	80	370
750	375	80	670
1050	525	80	970



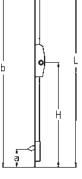
### S1163 with 3 side bolts

L	Н	а	b	С
1350	675	80	1270	610



### **S1164, S1165 with 2 side bolts**

L	Н	а	b
485	242	55	430
685	342	55	630
885	442	55	830

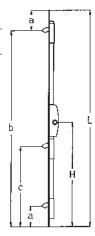


### S1164, S1165 with 3 side bolts

L	Н	а	b	С
1085	542	55	1030	477
1285	642	55	1230	577



L	Н	а	b	С
1088	544	125	963	479
1188	594	125	1063	529
1288	644	125	1163	579
1388	694	125	1263	629
1488	744	125	1363	679

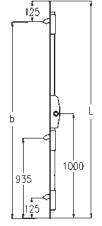


### S1166, S3157 with 3 side bolts

L	b	
1915 2015 2115 2215	1790 1890 1990 2090	



L	b	
1915 2015	1790 1890	





# Made-to-measure espagnolettes

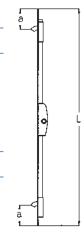
Instructions for milling. Measurements in mm.

### S1151 with 2 side bolts

L	а	
430–549 550–999 1000–1499	80 125 225	

### S1151 with 2 side bolts, and casement stay

550–999	125
1000-1499	225



### S1151 with 3 side bolts

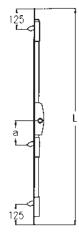
L	а	
1500–2299	65*	

### S3151 with 3 side bolts

L	а	
1500-2299	65*	

#### S3251 with 3 side bolts

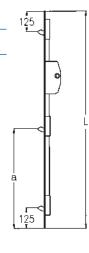
L a		
1500-2299	65*	



### S8457 with 3 side bolts

1500–2299 L/2

Normal handle height = 1000-1600



### S1151 with 3 side bolts, and casement stay

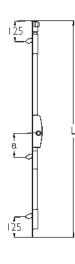
L	а
1500-2299	65*

### S3151 with 3 side bolts

L	а
1500–2299	65*

### S3251 with 3 side bolts

L	а	
500-2299	65*	



<sup>\*)</sup> Applies to handle height (H) = centre plus/minus 235 mm. For other handle heights, the bolt is positioned at the centre of the espagnolette length.

## Made-to-measure espagnolettes

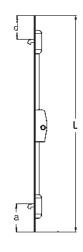
Instructions for milling. Measurements in mm.

S2151 with 2 side bolts, hook bolt type

L	а	d	
590–999	125	125	
1000–1499	225	225	

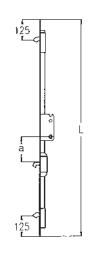
S2151 with 2 side bolts, hook bolt type

L	а	d	
660–999	125	160	
1000–1499	225	225	



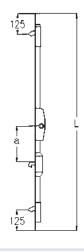
### S4251 with 3 side bolts, of which 2 wedge bolts and 1 hook bolt

L	а	
1500–1799	210*	



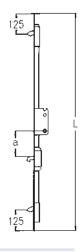
### S2151 with 3 side bolts, of which 2 wedge bolts and 1 hook bolt

L	а
1500–1799	90*



### S4151 with 3 side bolts, of which 2 wedge bolts and 1 hook bolt

L	а
1500-1799	65*



### S2151 with 4 side bolts, of which 2

positioned at the centre of the espagnolette length.

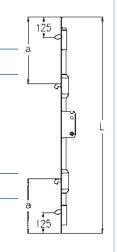
	side bolts, of which and 2 hook bolts	h 2
L	а	Ī
1800–2099	600	
2100–2299	700	
		l d
		, ,
235 mm. For other	le height (H) = centre plus/ner handle heights, the bolt is	125

### S4151 with 4 side bolts, of which 2 wedge bolts and 2 hook bolts

1800-2099 600 2100-2299 700

### S4251 with 4 side bolts, of which 2 wedge bolts and 2 hook bolts

L	а	
1800–2099	600	
2100–2299	700	





## Made-to-measure espagnolettes

Instructions for milling. Measurements in mm.

### S1451 with 2 end bolts and 1 side bolt

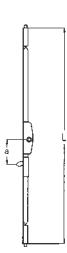
L	а	
550–1799	65*	

### S3451 with 2 end bolts and 1 side bolt

550–1799 65\*

#### S3551 with 2 end bolts and 1 side bolt

650–1799 65\*



### S2451 with 2 end bolts and 1 side bolt, hook bolt type

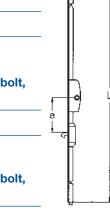
640–1799 90\*



L a



880–1899 210\*



### S8151 with 2 end bolts and 1 side bolt

390–549 -550–1799 90\*

### S8151 with 2 end bolts and 2 side bolts

L a

1800–1899 550
1900–2099 650
2100–2299 750



### S1451 with 2 end bolts and 2 side bolts

L	а
1800–1899	550
1900–2099	650
2100–2299	750

### S3451 with 2 end bolts and 2 side bolts

L a

1800–1899 550
1900–2099 650
2100–2299 750

### S3551 with 2 end bolts and 2 side bolts

L	а	
1800–1899 1900–2099 2100–2299	550 650 750	

### S2451 with 2 end bolts and 2 side bolts, hook bolt type

L a

1800–1899 550

1900–2099 650

2100–2299 750

### S4451 with 2 end bolts and 2 side bolts, hook bolt type

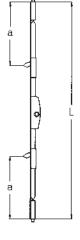
1800–1899 550 1900–2099 650 2100–2299 750

### S4551 with 2 end bolts and 2 side bolts, hook bolt type

L a

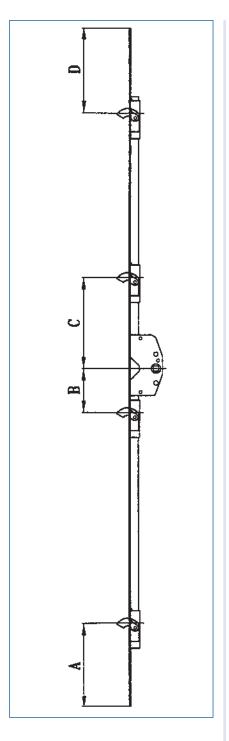
1900–1999 550
2000–2099 650
2100–2299 750

\*) Applies to handle height (H) = centre plus/minus 235 mm. For other handle heights, the bolt is positioned at the centre of the espagnolette length.



# Minimum bolt placing for side bolt, wedge bolt type

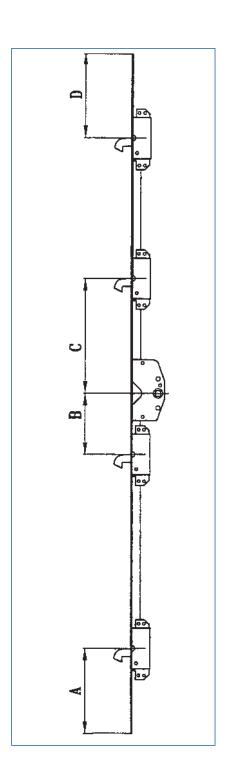
ITEM NO.	BOTTOM BOLT A		BELOW LOCK HOUSING B		ABOVE LOCK HOUSING C	TOP BOLT D	
		Placing between these measurements is not possible		Placing between these measurements is not possible			
S1151	55	55–80	65	65–125	135	55	
S1151 top	55	55–80	65	65–125	135	100	
S1151 bottom	125	125–146	65	65–125	135	125	
S1451	200		65	65–125	135	200	
S3151	55	55–80	65	65–181	170	55	
S3151 top	55	55–80	65	65–181	170	100	
S3151 bottom	125	125–146	65	65–181	170	125	
S3451	200		65	65–181	170	200	
S3251	55	55–80	65	65–190	234	55	
S3251 top	55	55–80	65	65–190	234	100	
S3251 bottom	125	125–146	65	65–190	234	125	
S3551	200		65	65–190	234	200	
S1601, S1605	80		65	65–145	170	80	
S1601, S1605 top	80		65	65–145	170	125	
S1601, S1605 bottom	125		65	65–145	170	80	
S8251	125		90	90–200	135	137	
M5601	140		300		270	110	
M5101, M5201	140		330		330	110	
M6101	140		300		330	110	
M5701	140		300		240	110	





# Minimum bolt placing for side bolt, hook bolt type

ITEM NO.	BOTTOM BOLT A	BELOW LOCK HOUSING B		ABOVE LOCK HOUSING C	TOP BOLT D
			Placing between these measurements is not possible		
S4151	115	65	65–200	210	70
S4151 top	115	65	65–200	210	60
S4151 bottom	180	65	65–200	210	125
S4451	230	65	65–200	210	210
S4251	115	210		270	70
S4251 top	115	210		270	160
S4251 bottom	180	210		270	125
S4551	230	210		270	210
S4551	230	90	90–150	170	210
S2451	115	90	90–150	170	70
S2151 top	115	90	90–150	170	160
S2151 bottom	180	90	90–150	170	125
M6102	125	320		310	100
M5002, M5202	125	320		310	100
M5602	125	290		250	100
M5703	130	310		250	110



### Lock housing

Instructions for milling. Measurements in mm.

### **Espagnolettes**

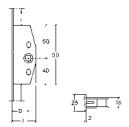
Fix S1161, S1163, S1165, S1162 Fix S1166, S1453, S1164 Fix S1167

### Made-to-measure espagnolettes

Fix S1451, S1151, S2451, S2151 Fix S1153, S1452, S2452, S1167 Backset (D)/Lock depth (L) 18/28 28/38

33/43

18/28, 25/35, 28/38, 33/43, 40/50 18/28, 25/35, 28/38, 33/43, 40/50



### **Espagnolettes**

Fix S3157 Fix S3188

### Backset (D)/Lock depth (L) 28/41

33/46

### Made-to-measure espagnolettes

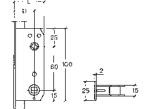
Fix S3151, S3451, S4151, S4451 FixS3452, S4452

Made-to-measure espagnolettes

Fix S8452, S454, S8457, S8251

### Backset (D)/Lock depth (L)

28/41, 31/44, 33/46, 40/53 28/41, 31/44, 33/46, 40/53



### **Espagnolettes**

Fix S8551, S8552

### Backset (D)/Lock depth (L)

40/53

### Backset (D)/Lock depth (L)

18/31, 23/36, 28/41, 40/53 40/53



### Espagnolette

Fix S1601, S1605

Fix S1604

Fix S8151

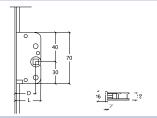
### Backset (D)/Lock depth (L)

28/35



### Backset (D)/Lock depth (L)

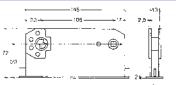
25/32, 28/35



### Made-to-measure espagnolettes

Fix S3251, S3551, S4251, S4551

Made-to-measure espagnolettes



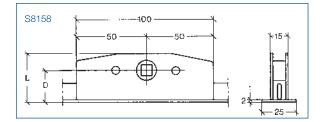


### Lock housing

Instructions for milling. Measurements in mm.

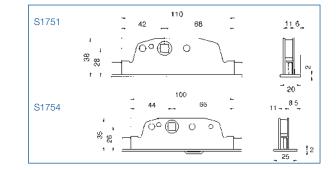
### Made-to-measure espagnolette

	Backset (D)/Lock depth (L)
Fix S8158	18/31, 20/35

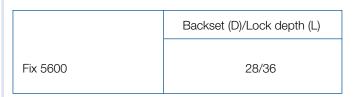


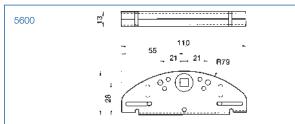
### Made-to-measure espagnolettes

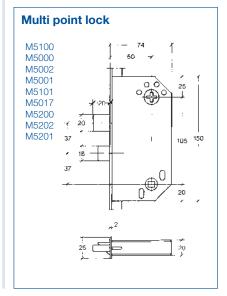
	Backset (D)/Lock depth (L)
Fix S1751, S1754	26/35, 28/38

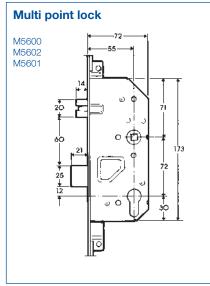


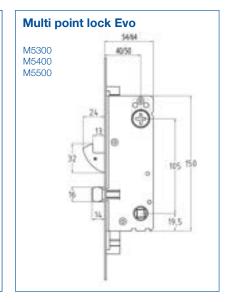
### **Espagnolette**











## End bolts and transmission

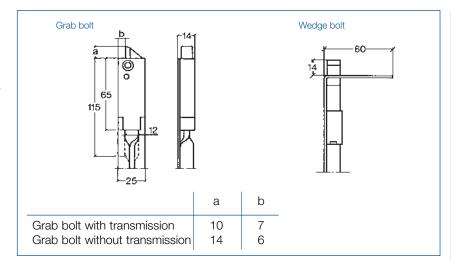
Instructions for milling. Measurements in mm.

### End bolt, grab bolt type

with and without transmission for mortised casement stays Fix 150, 150S, 160 and 160S. Available with transmission at the top of espagnolette Fix S1453, and top or bottom of madeto-measure espagnolette Fix S1451, S2451, S3451, S3551, 4551, 1452, 2452, 3452, 4452. Available without transmission for made-to-measure espagnolette Fix S8452 and S8454.

### End bolt, wedge bolt type

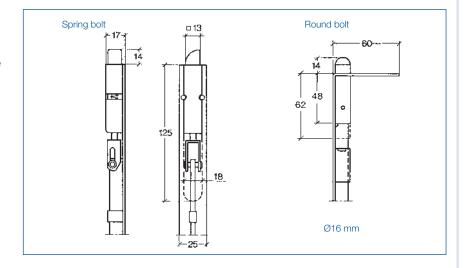
for Fix S8151 and S8251.
The espagnolette comes with unbent plate edges.
Bending is done during installation.



### End bolt, spring bolt type

for Fix S8551.

**End bolt, round, cone-shaped type** for Fix S8552, S8452, S8454.

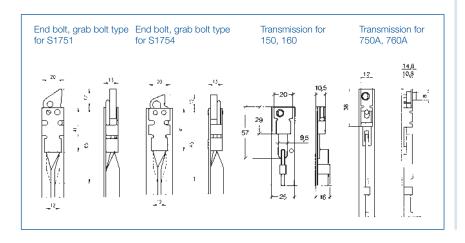


### End bolt, grab bolt type

for Fix S1751, S1754.

Transmission for casement stays Fix 150, 150S, 160 and 160S on espagnolette with side bolts only.

Transmission for casement stays Fix 750A and 760A on espagnolette Fix S1601 and S1605





### Side bolts

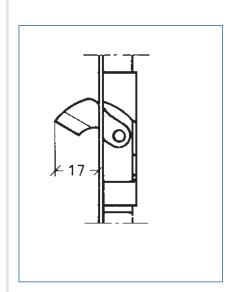
Instructions for milling. Measurements in mm.

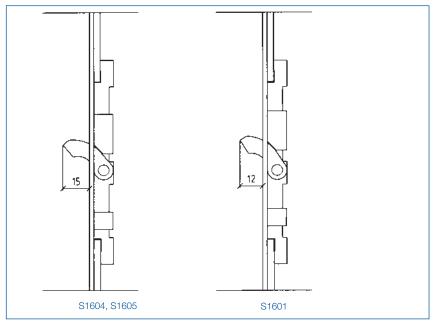
### Wedge bolt, large

Mounts into milling slot for the bolt bar. See page E 98.

### Wedge bolt, small

Mounts into profile groove according to Euro norm. See page E 98.





### Hook bolt with bolt housing, measurement drawing

00

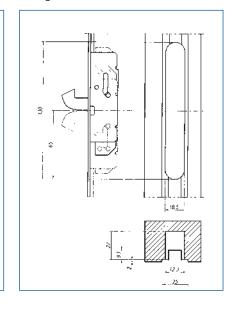
\_\_ 28.5

### Hook bolt with bolt housing, vertical bar for Fix S4151, S4451, S4251, S4551, S2451, S2151. Milling measurements:

### Hook bolt with bolt housing,

horizontal bar for Fix M5200, M6100, M6000, M6102, M5100, M5000, M5002, M5004.

Milling measurements:

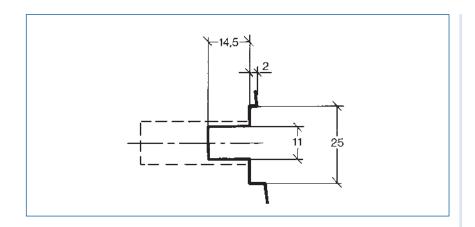


## Espagnolette, security receiver and hook bolt

Instructions for milling. Measurements in mm.

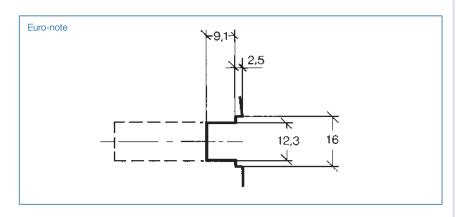
### Espagnolette with wedge bolt, 25 mm face plate

Dotted line indicates slot for lock housing, page E 94–95.

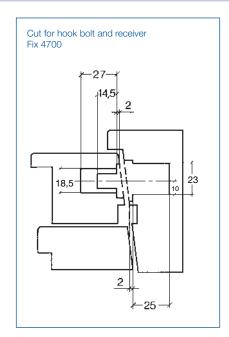


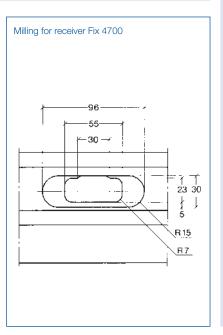
### Espagnolette S1601, S1605 and S1604

For side bolt, no special slot is needed. Dotted line indicates slot for lock housing, page E 94.



### Receiver 4700



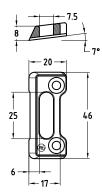




# Receivers for wedge bolts

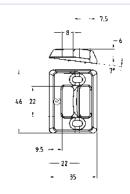
Receivers, small wedge bolt.





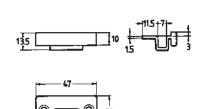
Receiver 1005 Zamak





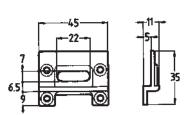
Receiver 1157 Zamak





Receiver 5127 Zamak





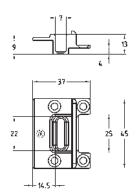
Receiver 5190 Zamak

5191 5738F 5908 B715

# Receivers for wedge bolts

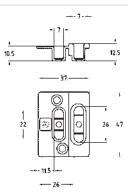
Receivers, small wedge bolt.





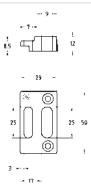
Receiver 5191 Zamak





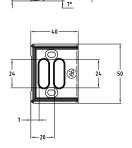
Receiver 5738F Zamak





Receiver 5908 Zamak





Receiver B715 Zamak

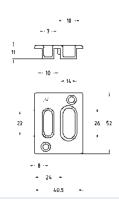


# Receiver for wedge bolts

**CA60** 

Receiver, small wedge bolt.



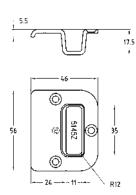


Receiver CA60 Zamak

# Receivers for wedge bolts

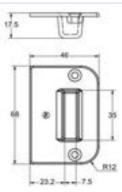
Receivers, large wedge bolt.





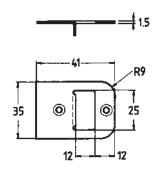
Receiver 5145Z Zamak





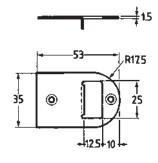
Receiver 5152 Zamak





Receiver 2521
Galvanized steel.





Receiver 2581
Galvanized steel.



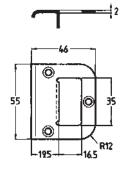
# Receivers for wedge bolts

5144 5145 5148

**5520** 

Receivers, large wedge bolt.

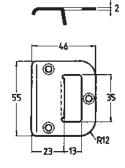




Receiver 5144

Galvanized steel.

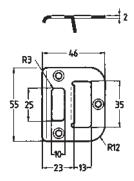




Receiver 5145

Galvanized steel.

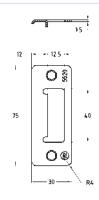




### Receiver 5148

Galvanized steel.





Receiver 5520

62 62R 622R 63

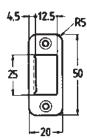
# Receivers for wedge bolts

Receivers, large wedge bolt.





Receiver 62



Galvanized steel.

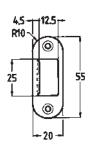




Receiver 62R



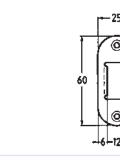






R12.5

Receiver 622R

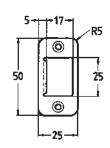




Receiver 63









# Receivers for wedge bolts

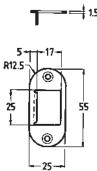
63R

634

644 654

Receivers, large wedge bolt.

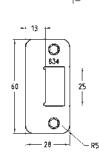




Receiver 63R

Galvanized steel.

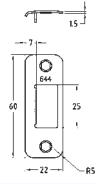




Receiver 634

Galvanized steel.

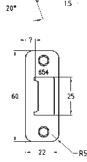




Receiver 644

Galvanized steel.





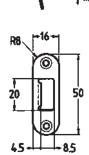
Receiver 654

717 B924S B954 B997

# Receivers for wedge bolts

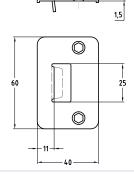
Receivers, large wedge bolt.





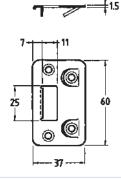
Receiver 717
Galvanized steel.





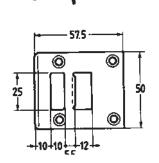
Receiver B924S
Galvanized steel.





Receiver B954
Galvanized steel.



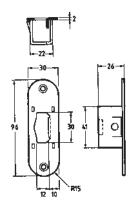


Receiver B997 Galvanized steel.



## Security receivers for hook bolts

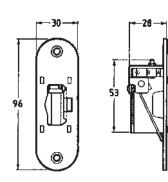




### Receiver 2700

Galvanized steel. Used for espagnolettes with hook bolts. Prepared for micro switch.

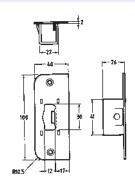




### Receiver 2701

Galvanized steel. Used for espagnolettes with hook bolts. Including micro switch.

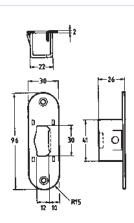




### Receiver 2950

Galvanized steel. Used for espagnolettes with hook bolts. Including micro switch.



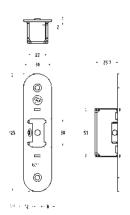


### Receiver 4700

Galvanized steel. Used for espagnolettes and multi point locks with hook bolts.

## Security receivers for hook bolts

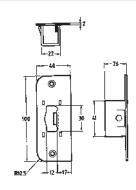




### Receiver 4710

Galvanized steel. Used for espagnolettes and multi point locks with hook bolts.

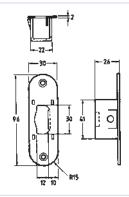




### Receiver 4950

Galvanized steel. Used for espagnolettes and multi point locks with hook bolts.

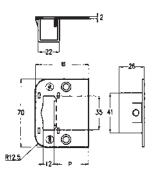




### Receiver 5670

Galvanized steel.
Used for sliding doors and multi point locks with hook bolts.
Chamfered slot for improved sealing.
Available in right and left version.





### **Receiver C888**

Galvanized steel. Used for espagnolettes and multi point locks with hook bolts.

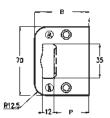
Width, B	Tongue, P	
40	20	
48	28	
49	29	
50	30	
51	31	
55	35	



## Receiver for hook bolts







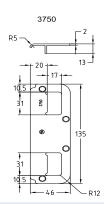
### **Receiver C887**

Galvanized steel. Used for espagnolettes and multi point locks with hook bolts.

Width, B	Tongue, P
40	20
48	28
49	29
50	30
51	31
55	35 45
35	45

## Receivers for dead bolts and latch bolts

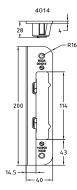




Receiver 3750

Galvanized steel.

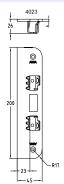




Receiver 4014

Galvanized steel.

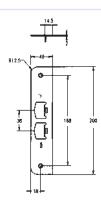




Receiver 4023

Galvanized steel.



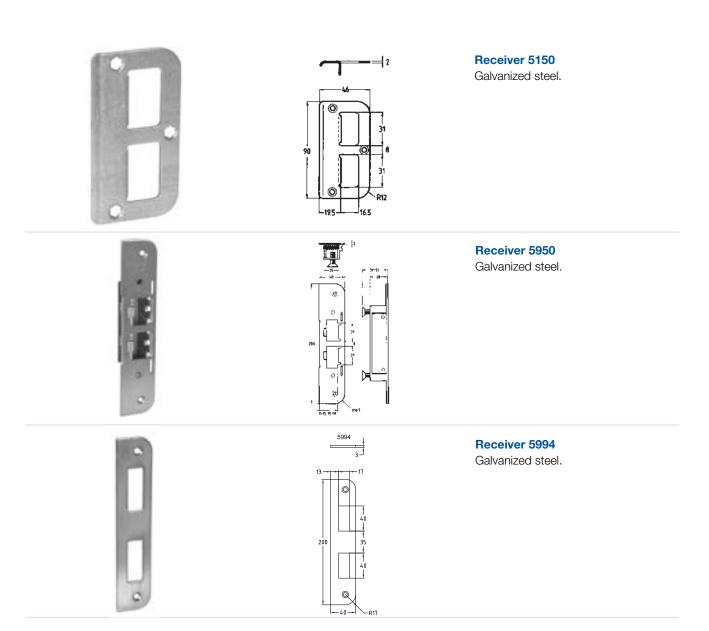


Receiver 4915



## Receivers for dead bolts and latch bolts

5950 5994



4698 C270 168R

# Receivers for end bolts, grab and wedge bolt type

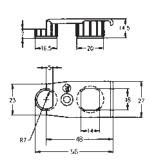




**.** 

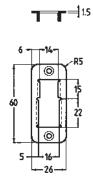
Receiver 4698 Zamak.





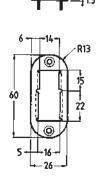
Receiver C270 Zamak.





Receiver 69
Galvanized steel.





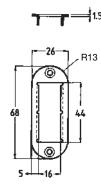
Receiver 69R Galvanized steel.



# Receivers for end bolts, grab and wedge bolt type

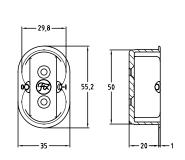
69 69R



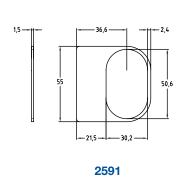


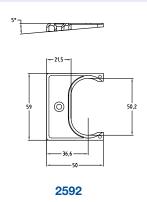
Receiver 168R Galvanized steel.



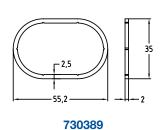


Receiver 2590 Zamak.





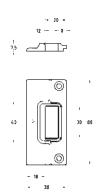
**Accessories for receiver 2590** 2591, 2592 and 730389



C1001 C166 3954 66R

## Receivers, others

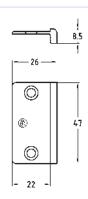




### **Receiver C1001**

Zamak.

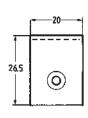




### **Receiver C166**

Zamak.



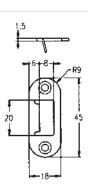




### Receiver 3954

Galvanized steel.





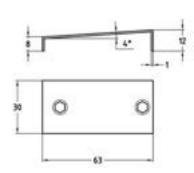
### Receiver 66R



## Receivers, others, rod guide

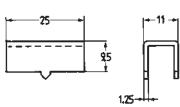
B730 4966 5512



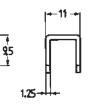


Receiver B730 Galvanized steel.



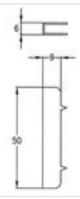


Rod guide 4966 Galvanized steel.



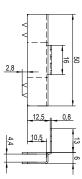






Rod guide 730681 Galvanized steel.

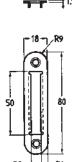




A067 A068 A071 A074 A079

## Receivers for dead locks



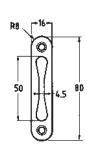


<del>-----|</del>15

**Receiver A067** 

Galvanized steel.

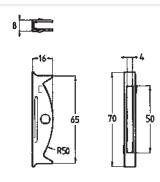




**Receiver A068** 

Galvanized steel.

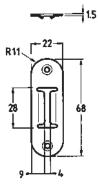


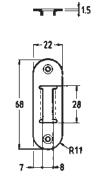


### **Receiver A071**

Galvanized steel.







### **Receiver A074**

Galvanized steel.

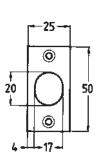
### **Receiver A079**



## Receivers for end bolts





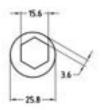


### Receiver 1763

Galvanized steel.



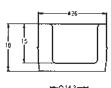




### **Receiver B933**

White acetal plastic



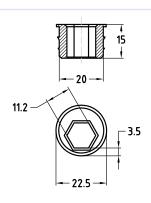




### Receiver 1010

White acetal plastic





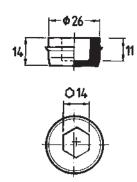
### Receiver 4800

White acetal plastic

B926

## Receiver for end bolts





### Receiver B926

White acetal plastic

G



### Vinga, handle for windows and glazed doors, Fix 7311

7311

PATENT/REGISTERED DESIGN

Fix 7311 is a handle for both older and newer architecture. The handle is available in straight, right and left versions.

### **Operation**

Fix 7311 has a cover plate for hidden screw mounting. The handle is pressed into the plate with a unique snap-in mounting. The grip is easily loosened and replaced with a different grip, e.g. lockable, or a grip with a different surface treatment.

### **Material**

Handle and cover plate, chrome plated, satin chrome or brass zamak plating.

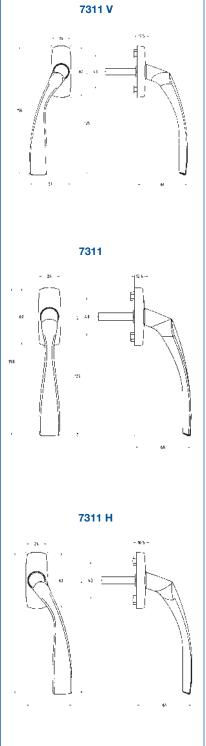
(Epoxy powder paint and miralloy on request). Spindle, square 8 mm, galvanized steel. The handle may be delivered with 7 mm square on special order. For increased corrosion protection of external handle, epoxy powder paint is recommended.

Spindle length: 33, 43, 53 mm.

### **Accessories:**

Handle locking device Fix 7450, page G 129. Handle coupling, page G 137.





7343

### Vinga, handle for windows, Fix 7343

### PATENT/REGISTERED DESIGN

Fix 7343 is a handle for both older and newer architecture. The handle is available in straight, right and left versions. The handle is meant for smaller windows.

### **Operation**

Fix 7343 has a cover plate for hidden screw mounting. The handle is pressed into the plate with a unique snap-in mounting. The grip is easily loosened and replaced with a different grip, e.g. lockable, or a grip with a different surface treatment.

### **Material:**

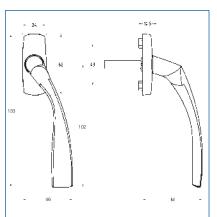
Handle and cover plate, chrome plated, satin chrome or brass zamak plating. (Epoxy powder paint and miralloy on request). Spindle, square 8 mm, galvanized steel. The handle may be delivered with 7 mm square on special order. For increased corrosion protection of external handle, epoxy powder paint is recommended.

Spindle length: 33, 43, 53 mm.

### **Accessories**

Handle locking device F7450, page G 129. Handle coupling, page G 137.







## Vinga, security handle for windows and glazed doors, Fix 7312

PATENT/REGISTERED DESIGN

Fix 7312 is a lockable handle for both older and newer architecture. The handle is available in straight, right and left versions.

### **Operation**

Fix 7312 has a cover plate for hidden screw mounting and the screws are blocked when the handle is in a locked position. The handle is pressed into the plate with a unique snap-in mounting. The grip is easily loosened and replaced with a different grip, e.g. non-lockable, or a grip with a different surface treatment.

### **Material**

Handle and cover plate, chrome plated, satin chrome or brass zamak plating. (Epoxy powder paint and miralloy on request). Spindle, square 8 mm,

galvanized steel. The handle may be delivered with 7 mm square on special order. For increased corrosion protection of external handle, epoxy powder paint is recommended.

Spindle length: 53 mm

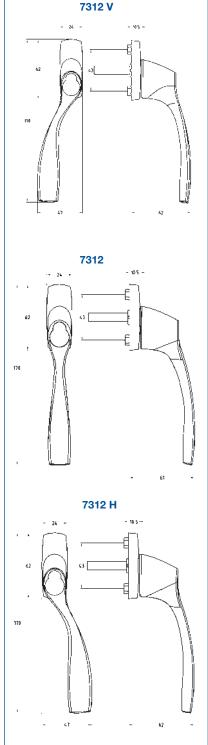
### **Accessories:**

Cylinder, see page G 128. Handle coupling, see page G 137.

### Note:

Approved according to SS 3620, classification B.





7314 7315

# Vinga handles for glazed doors with lockable espagnolette Fix 7314 and 7315

REGISTERED DESIGN

Fix 7314 and 7315 are handles for both older and newer architecture. The size and design of the handle makes it easy to operate even old and large doors.

### **Operation**

Fix 7314 has an oval slot in the back plate.

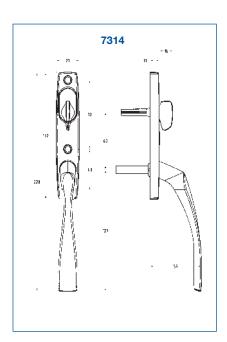
Fix 7315 has a rococo slot in the back plate. Both handles fit Fix lockable espagnolettes and enable locking from one or both sides with cylinder and/or turn catch.

### **Material:**

Handle and back plate, chrome plated, satin chrome or brass zamak plating. (Epoxy powder paint and miralloy on request). Spindle, square 8 mm, galvanized steel. The handle may be delivered with 7 mm square on special order. For increased corrosion protection of external handle, epoxy powder paint is recommended. Spindle length: 53 mm.

### **Accessories:**

See page G 129.





### G

### **FIX**

### Vinga, handle for internal doors, Assa 73

73 7360 7390

REGISTERED DESIGN

Assa 73 is a door handle in the Vinga series, which enables a fitting solution with a consistent design for both windows and doors.

Assa 7360 is an accessory for the Assa 73 handle. The handle fits FAS 2020, ABLOY 2014, 414 and 40T. Assa 7390 is an accessory for the Assa 73 handle. The handle fits FAS 2020, FAS 40C and ABLOY 2014.

### **Operation**

The handle is intended for lighter internal doors in the private housing sector. Installation is done with two penetrating M5 screws and fixed nipples. The handle is adapted to a 40 mm door thickness.

The turn catch is marked red/white on the outside and inside. The turn catch is mounted with two M5 screws and fixed nipples. The plate is mounted with two penetrating M5 screws and fixed nipples.

### **Material:**

Chrome plated, satin chrome and brass plating.

Assa 7360 is an accessory for the Assa 73 handle. The handle fits FAS 2020, ABLOY 2014, 414 and 40T.

Assa 7390 is an accessory for the Assa 73 handle. The handle fits FAS 2020, FAS 40C and ABLOY 2014.

### **Operation**

The handle is intended for lighter internal doors in the private housing sector. Installation is done with two M5 screws and fixed nipples. The handle is adapted to a 40 mm door thickness.

The turn catch is marked red/white on the outside and inside. The turn catch is mounted with two penetrating M5 screws and fixed nipples.

The plate is mounted with two penetrating M5 screws and fixed nipples.

### **Material:**

Chrome plated, satin chrome and brass plating.

### Note:

Ordered from ASSA.







7360 outside



716 5816 7310

### Vinga, cylinders for Fix 7312

Used for handle Fix 7312.

Assa 716 goes with Assa Max for the DIY market.

Assa 5816 is used in lock system. Cylinder Assa 716/5816 is ordered from Assa AB.

Fix 7310 is a cylinder, which offers the user keyed-alike or different locking.

Cylinder Fix 7310 is ordered from FIX AB.

### **Operation**

All cylinders are of the pushbutton cylinder type, meaning that the cylinder is pushed into the handle for locking. When opening, the cylinder returns to the unlocked position. The key can be removed in both locked and unlocked position.

### **Material:**

Chrome plated or satin chrome finish (Assa and Fix).

Brass plated (Fix).

Miralloy, satin brushed brass or brown oxidation (Assa).

### Installation:

With spring pin for easy mounting/ dismounting in the Fix handle.

### Note:

Meets the requirements for lockable windows and glazed doors according to Swedish Standard, SS 3620 classification B.



G

### **FIX**

### Vinga, accessories

Turn catches Fix 7313 and 7335 fit the inside of handle Fix 7314. Fix 7335 is specially adapted for the inside of latch bolt espagnolettes Fix S3107 and Fix 4107.

Cover plate Fix 7323 fits the outside of handle Fix 7314.

### **Operation**

The turn catch is pressed from behind into the back plate of handle Fix 7314. The espagnolette is locked when the handle is in a vertical position and unlocked when horizontal.

The cover plate is pressed from behind into the back plate of handle Fix 7314, and used when an outside cylinder is not needed.

### **Material:**

Chrome plated, satin chrome or powder paint coating zamak.

Handle locking device Fix 7450 used for window and glazed door.

### **Operation**

Fix 7450 locks automatically when the handle is turned to locked position. When opening, the catch must be lifted and the handle turned at the same time.

### **Material**

Housing, chrome plated, satin chrome or brass zamak plating.

(Epoxy powder paint and miralloy on order.) Catch arm, galvanized steel.

### Installation

In combination with Fix 7311, 7343.

### Note:

Type-approved, child-safe.









4986 7344 7352

### Vinga, accessories

### Fixing plate Fix 7352

Used for single sash or coupled sash where only handle Fix 7314 alt. Fix 7315 is used on the inside.

### Material:

Chrome plated or white powder paint coated steel.

### Spacer plate Fix 7344

Used as a pad for handles Fix 7314 and Fix 7315 when the cylinder sticks out too far.

### **Construction:**

The plate is 10 mm and can be stacked.

### Material:

The plate is made of zamak.

Polished chrome, satin chrome, brass plated (powder paint and miralloy on request).

### Spacer device Fix 4986

Used for cylinder in the Vinga series.

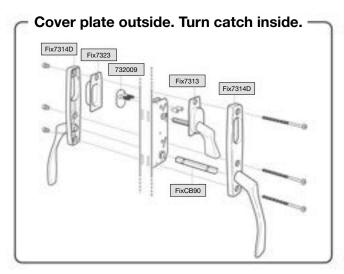


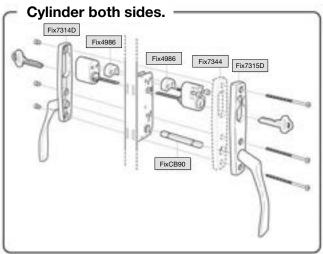


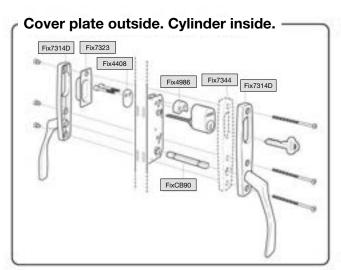


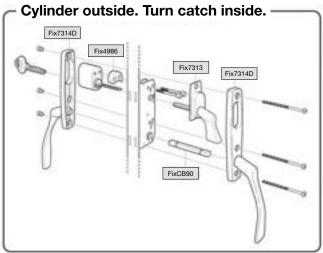


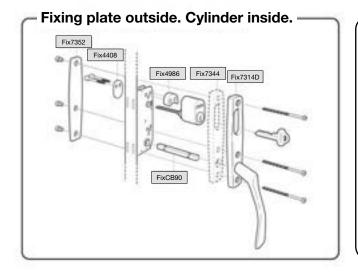
Mounting examples lockable espagnolettes with handle kit Vinga Fix 7314D/7315D suitable for spindle with brake slots (item no. CB90) for single sash.











Door thickness	Spindle —
	•
49-54	CB90 0800
54-59	CB90 0850
59-64	CB90 0900
64-69	CB90 0950
69-74	CB90 1000
74-79	CB90 1050
79-84	CB90 1100
84-89	CB90 1150
89-94	CB90 1200
94-99	CB90 1250

## Vinga, mounting of Vinga handle

The unique snap-in function gives

- easy and quick mounting of the handle
- easy to change the handle



Mounting the handle plate.



The cover plate is pressed into place. Mounting is finished.



The handle, with cover plate, is pressed into the plate with an easy snap-in function.



## Vinga, dismounting of Vinga handle

The unique snap-in function gives

- easy and quick mounting of the handle
- easy to change the handle



The cover plate is loosened and turned. Dismounting key Fix 7339 is pushed into the slot in the handle plate.



The handle is pulled out of the plate.

### Handle for windows, Fix 98

Available in right and left versions. Used for windows.

### **Material**

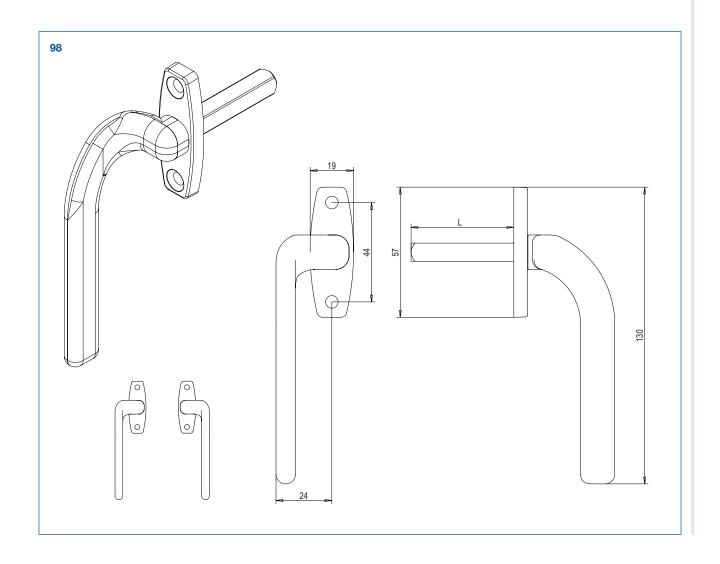
Zamak, chrome plated, satin chrome or white powder paint. Spindle of 8 mm galvanized square steel.

### Spindle length

38 and 45 mm.

### **Note**

Also available with spindle 7 mm square, handle Fix 97.
Also available with guide pins, Fix 975.





### Handles for windows and glazed doors, Fix 83 and 8307

83 8307

**PATENT** 

Available in right, left and straight versions. Used for windows and glazed doors.

### **Operation and features**

The handle has fixed positions for open and closed, which hold the handle in the right position, not applicable to powder painted type.

### **Material**

Zamak, chrome plated, satin chrome, brass plated or powder painted white or brown. Other colours on request. Fix 83R, H and V are also available in satin brushed brass, w. protective varnish. Item nos. 0083 043M, 0083 H43M and 0083 V43M.

Spindle of 8 mm galvanized square steel.

### **Spindle length**

23, 33, 43, 53, 63 mm.

### **Accessories**

Handle locking devices Fix 840 and 850, page G-143. Handle coupling, page G 137, used when handles are to be mounted on both sides.

### Handle 8307

Like Fix 83, but with 7 mm spindle of galvanized square steel.

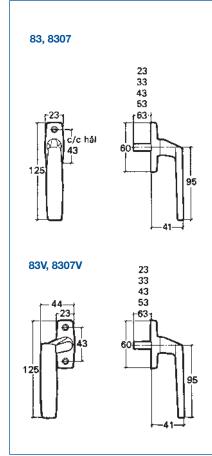
For handle locking devices Fix 840 and 850 to fit, the spindle is 8 mm closest to the handle plate.

General description, catalogue section B.

### **Note**

Outside handle: for increased corrosion protection, powder painted zamak handle is recommended.





## Handle for windows and glazed doors, Fix 2162

Available in right, left and straight versions. Used for windows and glazed doors.

### **Operation and features**

The handle has fixed positions for open and closed, which hold the handle in the right position.

### **Material**

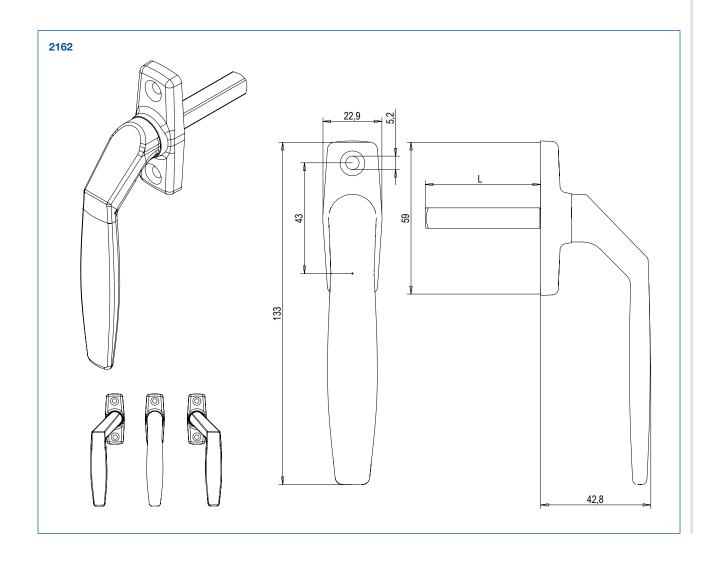
Zamak, chrome plated, satin chrome, white powder paint or brass. Spindle of 8 mm galvanized square steel.

### Spindle length

43 and 53 mm.

### **Accessories**

Handle locking devices Fix 2144 and 2145.





### Handles for windows and glazed doors, Fix 42 and 4207

42 4207 833 833/16 961

### Handle 42

Available in straight, right and left versions. Used for windows and glazed doors.

### **Material**

Zamak, chrome plated, satin chrome, brass plated or powder painted white. Pin of 8 mm galvanized square steel. Pin length 43, 63 mm.

### **Accessories**

Handle locking devices Fix 840, 850, page G-143.

Handle coupling, see below, used when handles are mounted on both sides.

### Handle 4207

Like Fix 42, but with 7 mm spindle of galvanized square steel. For handle locking devices Fix 840 and 850 to fit, the 8 mm spindle is closest to the handle plate. General description, catalogue section B.

### Note

Outside handle: for increased corrosion protection, powder painted zamak or aluminium handle is recommended.

Handle Fix 42 is also available with black knob. Suitable for disabled persons.

Item no. 0042 C062.

### Handle coupling 833 and 833/16

Used for glazed door with single sash, which should have handles on both sides.

### Handle coupling 961

Used for coupled glazed door, which should have handles on both sides.

### **Operation and features**

The handle coupling is an efficient protection against forced entry. The break slot is adapted to make the coupling break if the outside handle is overloaded when the inside handle is locked. The outside handle is then out of order.

### Construction

Round casing with break slots and 8 mm square hole with stop pins, which prevent the handle spindles from going past the break slots.

### **Material**

Brass casing. For Fix 961: fixing plate of galvanized steel.

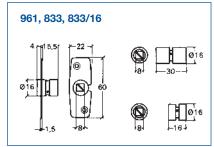
### Installation

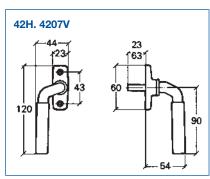
Fix 833 and 833/16 are placed in the hole drilled for the outside handle pin. Fix 961: The fixing plate is screwed to the outer and inner sash without mortising.

### **Screw**

Use for Fix 961: no. 5 (3.0 mm) TFX / DIN 7997.

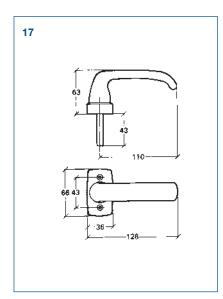








## Handles for windows and doors, Fix 17 and 76



### Handle 17

Used for doors with espagnolette for evacuation, page C 26–C 27.

### Material

Zamak, chrome plated, powder painted in silver. Miralloy on request. Pin of 8 mm galvanized square steel.

### Spindle length

43 mm.

### **Operation**

In closed position, the handle should be horizontal, where it is held in place by a ball catch.

### Screw

Use no. 8 (4.0 mm) TKFX / DIN 7995.

### Handle 76

Used for windows. Available in straight, right and left versions.

### **Material**

Zamak, chrome plated, satin chrome or powder painted white. Other colours on request. Spindle of 8 mm galvanized square steel.

### Spindle length

33, 43 mm.

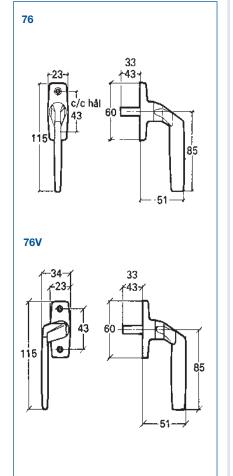
### **Accessories**

Handle locking devices Fix 840 and 850, page G 143.

General description, catalogue section B.







G



### Handles for windows and glazed doors, Fix 95 and 9507

95 9507

Available in straight, right and left versions. Used for windows and glazed doors.

### Handle 95

Operation and features.

The handle has built-in catch positions for open and closed, which hold the handle in the right position, not applicable to varnished type.

### **Material**

Zamak, chrome plated, satin chrome or powder painted white.

Other colours on request. Spindle of 8 mm galvanized square steel.

### Spindle length

23, 33, 43, 53, 63 mm.

### **Accessories**

Handle locking devices Fix 840 and 850, page G 143. Handle coupling, page G 137, used when handles are to be mounted on both sides.

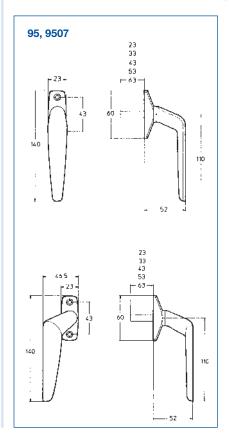
### Handle 9507

Like Fix 95, but with 7 mm spindle of galvanized square steel. For handle locking devices Fix 840 and 850 to fit, the spindle is 8 mm closest to the handle plate.

General description, catalogue section B.

### Note:

Outside handle: for increased corrosion protection, powder painted zamak or aluminium handle is recommended.





### Handles for windows and hatches

### Handle 4

For inward-opening windows and cupboard doors.

### **Material**

Chrome plated zamak. Spindle of 8 mm galvanized square steel. A 7 mm square spindle can be delivered on request.

Spindle length 33 and 43 mm.

### Handle 8

Used for outward-opening windows. Screw: TKFX 4.0 x L / DIN 7995. Spindle length: 23, 33, 43 and 53 mm.

### **Operation and features**

Narrow handle plate, only 18 mm. Has built-in fixed positions for open and closed, which hold the handle in the right position.

Available in right and left versions.

### **Material**

White, acetal plastic.

**Spindle** square 7 alt. 8, galvanized steel.

### Handle 24

For situations where there is no room for a handle of normal height.

### **Material**

Chrome plated zamak with spindle of 8 mm square galvanized steel.

Spindle length 43 mm.

### Handle 51

For windows, doors, hatches, which cannot have a fixed handle, and where there is no risk for spontaneous opening. (In such cases, Fix 805 + 811 is recommended, page G 144.)

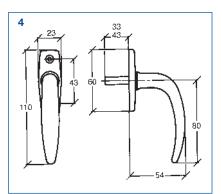
### **Operation and features**

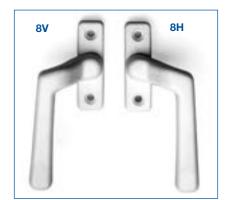
Fits in plate Fix 1857, 1857T, page G 142. When turning to open, the stud makes it possible to pull the sash towards you. The handle can only be taken out in closed position.

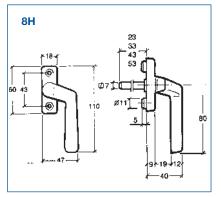
### **Material**

Chrome plated zamak with spindle of 8 mm square galvanized steel. Spindle length 33 and 63 mm. General description, page D1.

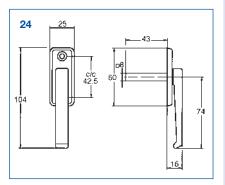




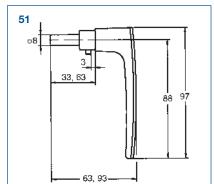












### **FIX**

### Handles for windows and glazed doors

G210216405 G210216415 G210216425 G210316405 G210316415 G210316425

L design

Handle G210216405, straight Handle G210216415, right Handle G210216425, left

**U** design

Handle G210316405, straight Handle G210316415, right Handle G210316425, left

Used for inward- and outward-opening windows or glazed doors.

**Screw:** TKFX 4.0 x L / DIN 7995.

Pin length: 43 mm.

### **Features:**

Has built-in fixed positions, 90, 135 and 180 degrees, which hold the handle in the right position.

The handle has a cover palte for hidden screw mounting.

### **Material:**

Satin brushed stainless steel. Spindle, square 7 mm, galvanized steel. Casing for square 8 mm is included.

### **Accessories:**

Handle coupling, page G 137.







### Triangular key, triangular pin, plates

Not recommended where there is a risk of spontaneous opening. (Use Fix 805 + 811 instead, page G 144)

### Triangular key 145

For operation of espagnolettes with triangular pin Fix 56, see below.

### Material

Aluminium.

### Triangular pin 56

For espagnolette operated with triangular key Fix 145.

### Material

Tempered, galvanized steel.

### Installation

Mounted into the espagnolette rower and held in place with the matching screw.

### Plate 1857, 1857T

For situations involving an espagnolette and dead lock, which is operated with a square handle Fix 51 or triangular key Fix 145.

### **Material and features**

Stainless steel, with cover plate of acetal plastic.

### Cover plate 823

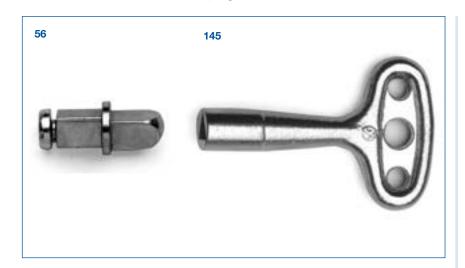
For situations where handle holes need to be covered.

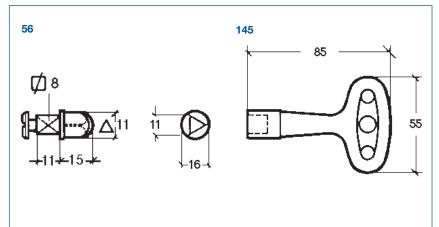
### Material

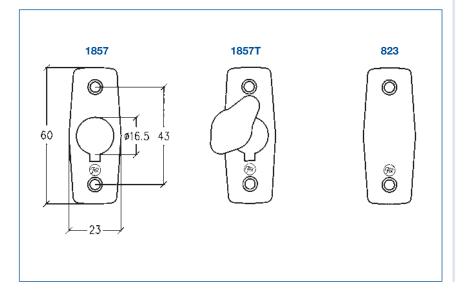
Stainless steel.

### **Screw**

Use no. 6 (3.0 mm) TKFX/DIN 7995. For outside mounting of Fix 823, use the corresponding one-way screw.









### Handle locking devices, Fix 840 and 850, mounting plate, Fix 4285

840 850 4285

### Handle locking device 840

For glazed doors with Fix espagnolette handle, which are to be locked on the inside.

### **Operation and features**

Opened and closed manually. Locks in down position.

### Handle locking device 850

Type-approved, child-safe lock. For windows and glazed doors, which should have security fitting according to building regulations outlined by the Swedish National Board of Building, Planning and Housing, BBR94.

### **Operation and features**

Locks the handle automatically when it is turned to locked position.

When opening, the catch must be lifted and the handle turned at the same time.

### **Material for both**

Catch housing of zamak, chrome plated or with acetal plastic cover. Finger grip of polyamide, white for Fix 850, black for Fix 840.

### Mounting plate 4285

For Fix espagnolette handle, which replaces older handle with long plate.

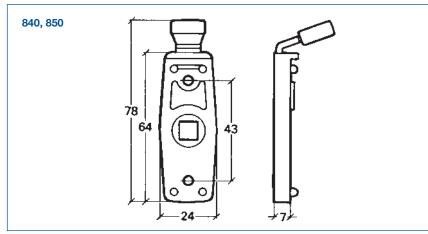
### **Material**

Steel, chrome plated or powder painted, white.

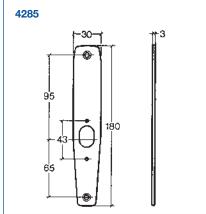
### Installation

Mounted on the handle with the matching screw.









### Security device, triangular handle

### Security device 805

Type-approved as child-safe security fitting. Used instead of handle for windows, glazed doors and cupboard doors with espagnolette where child safety against unauthorized opening is required. For example staircases, corridors, hospitals, nurseries, etc.

### **Operation and features**

A spring-loaded catch plate lies around the triangular pin. It must be pushed in to a certain position to enable turning of the spindle and activating the espagnolette.

### **Material**

Catch housing of chrome plated zamak. Spindle and catch plate of tempered, galvanized steel.

### **Spindle length**

23, 33, 43. (Note: spindle of tempered steel, difficult to cut.)

### Installation

Mounted with enclosed one-way screws.

### **Accessories**

Triangular handle Fix 811. Spacer plate Fix 4548.

### Spacer plate 4548

Used when mounting is done without drilling for the security device hub.

### Material

Grey acetal plastic.

### **Triangular handle 811**

Used for operation of Fix 805.

### **Operation and features**

When the handle is turned, the sash can be pulled with the handle. It can only be taken out in closed position.

### **Material**

Chrome plated zamak.

### Security device 836S (self-locking)

Approved according to \$\$ 3620 classification B.

Used for the inside of windows, glazed doors and cupboard doors with an espagnolette, where a fixed handle is not desired, and it needs to be secured against forced entry or unauthorized opening. Lockable with cylinder.

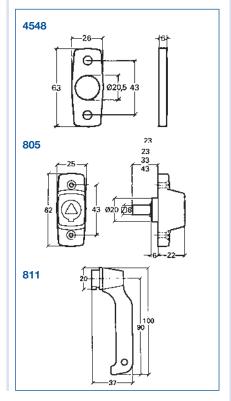
### Accessories

Oval cylinder of standard type. Triangular key Fix 145. Mounting plate Fix 841S, page G 146.

### Spindle length

33, 43, 53 mm.

Otherwise like Fix 837S, page G 145.









### Security handles for windows and glazed doors, Fix 835S and 837S

835S 837S

Approved according to SS 3620 classification B. Available in straight, right and left versions. Lockable with cylinder (not included).

### 835S and 837S

Used for the inside of windows, glazed doors and cupboard doors with an espagnolette, and which needs to be secured against forced entry or unauthorized opening.

Fix 835S is locked by turning a key. Fix 837S automatically locks when the handle is turned to locked position.

### **Operation and features**

Locking is done with oval cylinder of standard type. The key can be taken out when unlocked.

The handle has a slip coupling (not applicable to handle with 7 mm square spindle), which is operated when overloaded to prevent breaking of the lock mechanism in case of attempted forced entry and unauthorized opening from the inside. When the grip slips, the espagnolette is not activated until

after unlocking. After the grip has been slipping, the security handle must be replaced.

### **Material**

Zamak, chrome plated, satin chrome, brass plated or powder painted white.

Spindle of 8 mm galvanized square steel. A 7 mm square spindle can be delivered on request. However, not available with slip coupling (see Operation and features).

### Spindle length

43, 53 mm.

### Installation

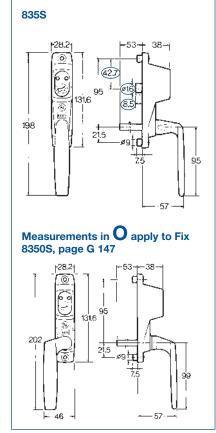
For single sash, and for coupled sash where the inner sash is at least 35 mm, see illustration 1, page G 146. For single sash with an older type of

espagnolette, see illustrations 2 and 3, page G 146. Use mounting plate Fix 841S. For coupled sash, where the inner sash is less than 35 mm, see illustrations 4, page G 146. Use fixing plate Fix 5325. For coupled sash with an older type of espagnolette, see illustrations 5 and 6, page G 146. Use mounting plate Fix 841S and fixing plate Fix 5325.

### **Accessories**

Oval cylinder of standard type. Mounting plate Fix 841S. Fixing plate Fix 5325. Handle coupling Fix 833, used when handle should be mounted on both sides. Screw included. Fix 835S is also available with micro switch. Item no. 0835SMB00.





## Accesories for security handles

### **Mounting plate 841S**

Used for Fix 835S, 836S, 837S and 8350S for mounting on single sash with an older type of espagnolette.

### Material

Steel, chrome plated, brass plated or powder painted white.

Necessary screws included.

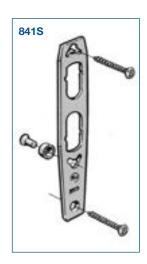
### Fixing plates 5325 and 5365

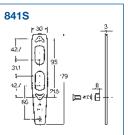
Used for mounting on coupled sash: Fix 5325 for Fix 835S, 836S, 837S. Fix 5365 for Fix 8350S.

### **Material**

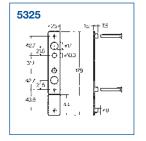
Zamak. Brass follower.

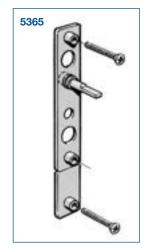
Necessary screws included.

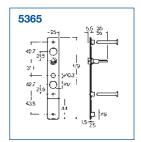


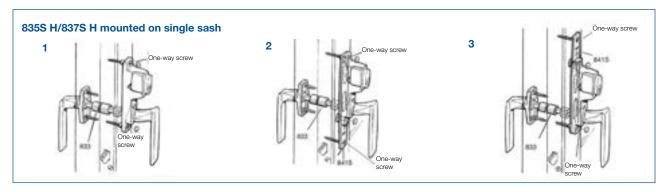


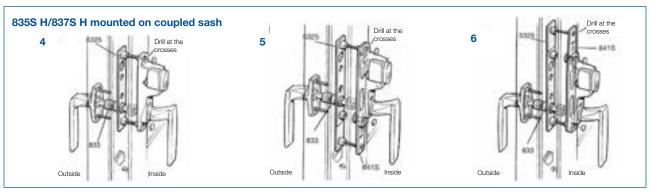












G



### Security handle for windows and glazed doors, Fix 8350S

8350S

Approved according to SS 3620 classification B. Available in straight, right and left versions. Lockable with cylinder from both sides (cylinder not included).

Used for the inside of glazed doors, with an espagnolette, which needs to be secured against forced entry or unauthorized opening, and also be lockable from the outside. Nonlockable espagnolette is needed.

### **Operation and features**

Like Fix 835S, page G 145, but is also equipped with a receiver for the driver on the outside cylinder. This enables locking from both sides.

### Material and spindle length

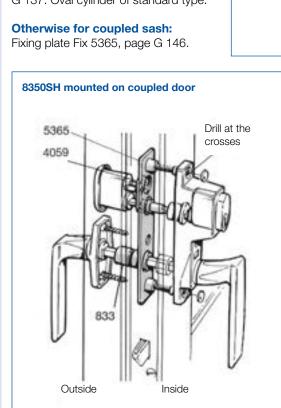
Like Fix 835S, page G 145.

### Installation

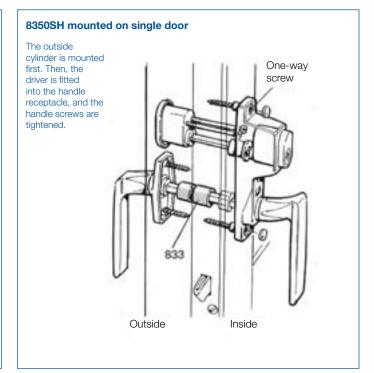
See illustration.

### **Accessories**

Outside handle, page G 135. Mounting plate Fix 841S, page G 146. Handle coupling Fix 833, 833/16, page G 137. Oval cylinder of standard type.







2130

## Handle kit for glazed doors, with lockable espagnolettes, Fix 2130

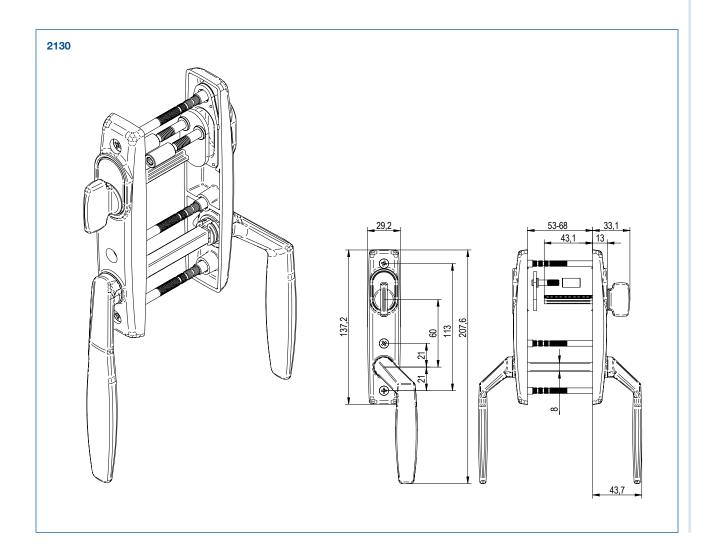
Including right and lefthand version. Used for outward-opening glazed doors.

### **Material**

Zamak, chrome plated or satin chrome. Spindle of 8 mm square galvanized steel with break slots.

### Note

Complete back plate for glazed doors with lockable espagnolette, for 53–68 mm door thickness. Screws included.





## Handles for pivot-hung windows, top-hung or glide-hung

2265 2265S 8350 8465S 2384

### **Handle 2265**

The handle has a ventilation tongue for opening the sash in small, fixed airing positions. Can be made child-safe in both airing and closed positions using handle locking device Fix 850.

### **Material**

Zamak, chrome plated or satin chrome.

Spindle of 8 mm galvanized square steel. Spindle length 35, 43, 53 mm. General description, catalogue section B.

### Security handle 2265S8350 and 8465S

Approved according to SS 3620 classification B.

Both handles have a ventilation tongue for opening the sash in small, fixed airing positions. The handles can be locked in both airing and closed positions

### **Operation, features and accessories**

Fix 835S/65: like Fix 835S, page G 145. Fix 8465: like Fix 844S, page G 150. Material Zamak, chrome plated or satin chrome.

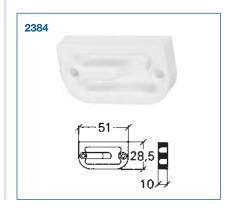
Spindle of 8 mm galvanized square steel. Spindle length 53 mm. General description, catalogue section B.

### **Accessories**

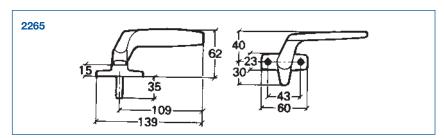
Receiver 2384

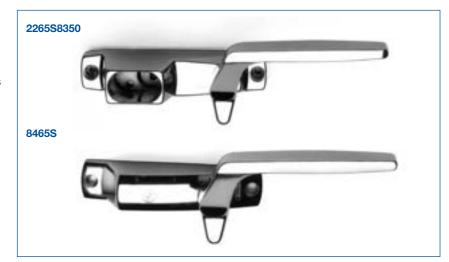
### **Material**

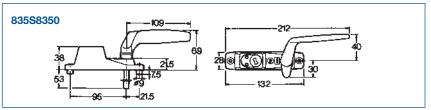
Grey amide plastic, screw no. 5 TF.

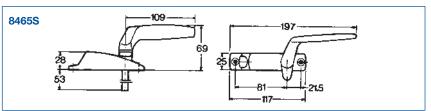












### Security handles

Approved according to SS 3620 classification B. Available in straight, right and left versions. Lockable with pushbutton cylinder Fix 4484 and 4482, page D17 (bought separately).

### 844S, 876S and 895S

The security handles are used on the inside, for security against forced entry and unauthorized opening.

Fix 844S and 895S are used on glazed doors, windows and cupboard doors with espagnolette.

Fix 876S is used on windows and cupboard doors with espagnolette.

### **Operation and features**

Locking is done when the cylinder is pushed down with the handle in closed position.

When the key is turned, the cylinder springs up and opens the lock. The key can be taken out when unlocked The handles are available with keyed-alike or different locking, and with the same locking as window lock Fix 2820 and 2830, page G 152.

### Material

Handles of zamak, chrome plated, satin chrome, powder painted white or brass plated.

Spindle of 8 mm galvanized square steel.

A 7 mm square spindle can be delivered on request.

Spindle length 53 mm.

### Screw

Necessary one-way screws included.

### Installation

Mounting instructions in the package.

### **Accessories**

Pushbutton cylinder Fix 4484, page G 151.

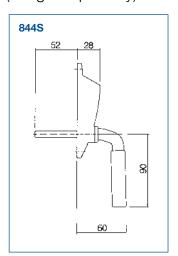
Pushbutton cylinder Abloy (for system locking), page G 151.

Mounting plate Fix 4926, page G 151. Handle coupling, page G 137.

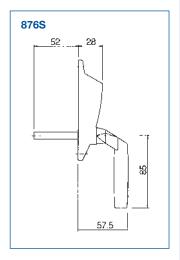
### When ordering, please state:

- 1. Surface treatment
- 2. Straight, right or left version.
- 3. Type of cylinder.

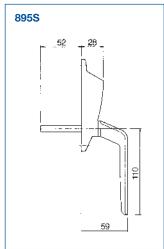












### G

## Accesories for security handles

4926 4484 4919

### Mounting plate 4926

For security handles Fix 844S, 876S, 895S and 8465S.

When mounting on espagnolettes where the screw hole distance of the handle is insufficient.

### Material

Steel, chrome plated or powder painted, white.

### **Pushbutton cylinder 4484**

Cylinder with 9 discs, for security handles Fix 844S, 876S, 895S and 8465S. Also available with the same locking as pushbutton cylinder Fix 7287 intended for window locks Fix 2820 and 2830, page G 152. Two keys Fix 5525 come with each cylinder.

### **Pushbutton cylinder Abloy**

(Ordered from ASSA AB)
Cylinder with 11 discs, for security handles Fix 844S, 876S, 895S and 8465S. Also available with the same locking as pushbutton cylinder intended for window locks Fix 2820 and 2830, page G 152. Also available in systems.

Two keys come with each cylinder.

### Material

Cylinders of nickle plated brass with keys of nickle plated steel.

### Installation

The cylinder is delivered separately for mounting according to the instructions included with the security handle.

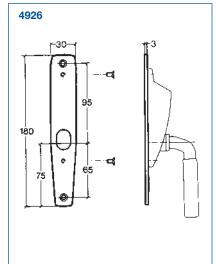
### When ordering, please state:

Locking number, alternatively keyedalike or different locking.

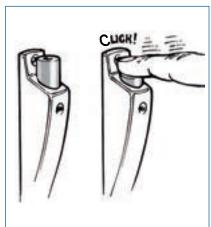
### For pushbutton cylinder Abloy in system, please state:

- 1. Quantity of each lock.
- 2. New system or supplement to existing system.
- 3. Number of keys for each lock, and number of master keys.

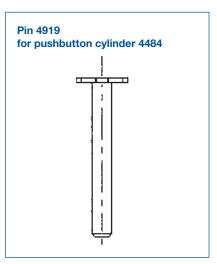












2820 2830 2830E

### Window locks, Fix 2820 and 2830

Approved according to SS 3620 classification A. Lockable with pushbutton cylinder Fix 7287 or pushbutton cylinder Abloy.

Used for windows to be secured against forced entry and unauthorized opening.

### **Operation and features**

Locking is done when the cylinder is pushed down with the window in closed position.

Fix 2820 and 2830 can also be locked in an airing position (does not meet the requirements for approved locking according to SS 3620). When the key is turned, the cylinder springs up and opens the lock. The key can be removed when unlocked. The window lock is available with the same locking as security handles Fix 844S, 876S, 895S, page G 150, and 8465S, page G 149.

### **Material**

Cylinder housing, frame fixture of zamak, chrome plated, satin chrome, brass plated or powder painted white. Ventilation arm of galvanized steel.

### **Screw**

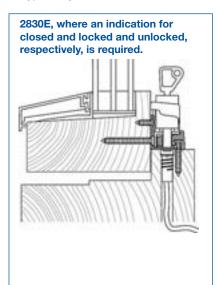
Use screw no. 8 (4.0 mm) TFX / DIN 7997.

### Installation

Mounting instructions included in the package.

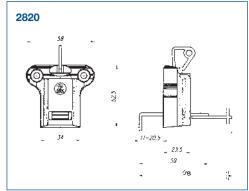
### When ordering, please state:

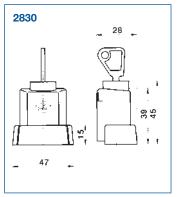
- 1. Surface treatment
- 2. Type of cylinder

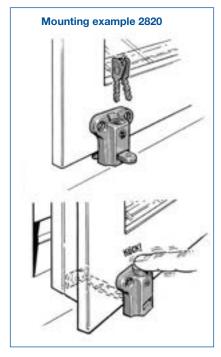
















### Pushbutton cylinders for window locks, Fix 2820 and 2830

### **Pushbutton cylinder 7287**

Cylinder with 9 discs, for Fix 2820 and 2830. Available with the same locking as pushbutton cylinder Fix 4484 intended for security handles Fix 844S, 876S, 895S and 8465S, page G 149–G 150.

Two keys Fix 5525 come with each cylinder.

### **Pushbutton cylinder Abloy**

(Ordered from ASSA).

Cylinder with 11 discs, for window locks Fix 2820 and 2830. Available with the same locking as pushbutton cylinder intended for security handles Fix 844S, 876S, 895S and 8465S, page G 149–G 150. Also available in system. Two keys come with each cylinder.

### **Material**

Cylinders of nickle plated brass with keys of nickle plated steel.

### Installation

The cylinders are delivered separately for mounting according to the instruction included with the window lock.

### When ordering, please state:

Locking number, alternatively keyedalike or different locking.

### For pushbutton cylinder Abloy in system, please state:

- 1. Quantity of each lock.
- 2. New system or supplement to existing system.
- 3. Number of keys for each lock, and number of master keys.





### Pull handles, Fix 34 and 94

### Pull handle 34

For the outside of glazed doors. Especially suitable when handle locking device Fix 850 or handle Fix 837S is mounted on the inside, and getting locked out should be avoided. The plate has the same measurement and hole distance as Fix espagnolette handles.

### **Material**

Acetal plastic in white and brown.

### **Screw**

Use screw no. 8 (4.0 mm) TKFX / DIN 7995.

### Pull handle 94

For overhead garage doors (up and over), doors to storage or garbage rooms, etc.

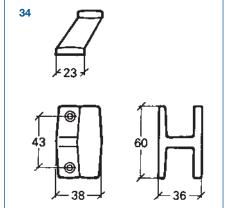
### **Material**

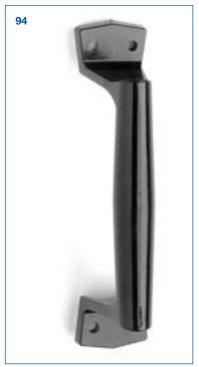
Acetal plastic in black.

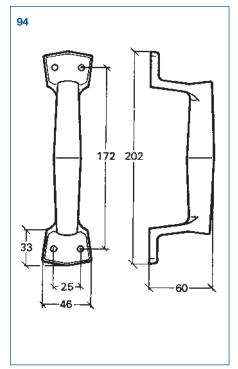
### Screw

Use screw no. 14 (6.0 mm) TKX / DIN 7996.











### Door Guard, Fix 7500

Security lock for glazed doors. Also available with magnetic indication. Approved according to SS 3620 classification B, and SS 3535 classification 3.

### **Door Guard 7500**

Used for outward-opening glazed doors.

Lock housing: Surface mounted. Side bolt: Hook bolts, 2 pcs, Bolts stroke 25 mm. Right/left.

### **Operation and features:**

Lockable with pushbutton cylinder. Locking with pushbutton cylinder from the Fix Vinga series operates two strong hook bolts, which catch the angled receiver in the frame.

### **Material:**

U profile and hook bolts of steel. Cover plate of white or brown powder plated or satin chromated sheet metal. Cylinder housing of polished, chrome plated zamak. Stainless steel support.

### **Accessories**

Assa 716, Vinga cylinder in Assa 700 series.

Assa 5616, Vinga cylinder in Assa Max series.

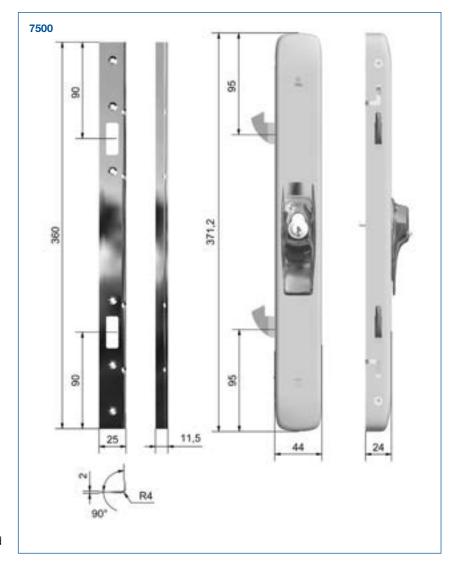
Assa 4816, Vinga cylinder in Assa 4800 series.

Assa 5816, Vinga cylinder in Assa 5800 series.

Fix 7310, Vinga cylinder Fix.

### Installation:

Door Guard is mounted on the inside of the door with penetrating screws. It is easy to mount the product on an existing door to make it very difficult to force the door and prevent unauthorized opening from the inside.





D120416 D120417 D150046 D150045 D150043 D150016

## Handles for windows and sliding doors

### **Handle D120416**

Used for outward-opening windows, left-hung sash.

### **Material:**

Chrome plated zamak.

### **Handle D120417**

Used for outward-opening windows, right-hung sash.

### Material:

Chrome plated zamak.

### Sliding door grip D150046

Used for sliding door.

### Material:

Chrome plated steel. Brass, D150045.

### Installation:

Recessed into the side of the door panel.

### Sliding door ring D150043

Used for sliding door.

### Material:

Chrome plated steel. Powder painted bronze, D150016.









### **FIX**

## Window closers and receivers for inward-opening windows

23 70 338D 337 77D

Used for inward-opening windows.

### Window closer 23

Used for inward-opening windows.

### Screw:

TKFX 3.0 x L / DIN 7995.

### **Material:**

Chrome plated zamak.

### Window closer Fix 70

Used for inward-opening windows. Screw: TKFX 3.5 x L / DIN 7995.

### **Material:**

White or black acetal plastic.

### **Installation:**

Surface mounting.

### Receiver 338D and 337

Fix 338D for sash lipped over frame in singe-light windows and for sashes lipped over frame in two-light windows with a mullion when both windows have window closers. Fix 337 for unlipped sash in single-light windows. Screw: TKFX 3.5 x L / DIN 7995.

### **Construction:**

Fix 338D is available in three heights depending on lipping thickness. See measurement drawing. 25 mm height, lipping thickness 14 mm. 27 mm height, lipping thickness 17 mm. 30 mm height, lipping thickness 19 mm.

### 337

Used when the lipping thickness is 0 mm.

### **Material:**

Chrome plated profile brass.

### Installation:

Surface mounting.

### **Receiver 77D**

Used for inward-opening windows with top-folded frame in single-light windows with mullion, when the sashes have a window closer.

Screw: TKFX 3.5 x L / DIN 7995.

### **Construction:**

Continuous adjustment from 27 to 34 mm height, see measurement drawing. The measurement corresponds

to the top lipping, incl. draught excluders from 12 to 19 mm.

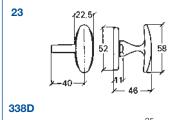
### Material:

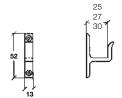
White or black acetal plastic.

### Installation:

Surface mounting.

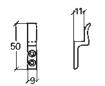


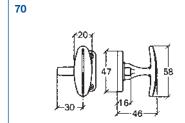




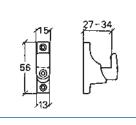
B482, mounting plate for 338D, thickness 1 mm

337



















## Espagnolette Fix 550

Used on inside of cupboard doors and hatches of wood or steel.

## **Features**

Three-point closing with one single turn.

Right and left is decided by the two stop pins, which are fixed diagonally with the cover screws.

The travel is 15 mm for each rod and 16 mm for the side bolt.

## Construction

- a) Bottom plate with rower, side bolt, stop pin, lock linkage and cover.
- b) Locking rods 4 x 8 mm with chamfered end.
- c) Rod guides. (2 pcs Fix 4068 included)

### **Material**

Rower and stop pin of zamak. Lock linkage Fix 4070 of brass. (Only used for lockable espagnolette with pushbutton cylinder.)

Rod guide Fix 4068 of white acetal plastic. (On request, steel rod guide, Fix 4389, can be delivered.) Other parts of galvanized steel.

## **Standard lengths**

Total espagnolette length: 1000, 1500, 2000, 2500 mm.

Measurements relate to open position (rods retracted into lock housing). Handle height: centre.

## Accessories

Receiver, page H 162. Steel rod shackle, Fix 4389, page H 162. Handle Fix 55, page H 162, or other alternative, catalogue section G. Pushbutton cylinder Fix 2940, page H 165. Handle Fix 423, page H 166. Cylinder ring Fix 4081, page H 165. Security handle, page H 166.

## When ordering, please state:

## For standard espagnolettes:

- 1. Total espagnolette length.
- 2. Receiver.
- 3. Handle.
- 4. If steel rod guide, Fix 4389, is desired.
- 5. Other accessories.

## For made-to-measure espagnolettes:

- 1. Total espagnolette length (mounted and in open position).
- 2. Handle height (from bottom edge rod to centre handle rower).
- 3. Receiver.
- 4. Handle.
- 5. If steel rod guide, Fix 4389, is desired.
- 6. Other accessories.

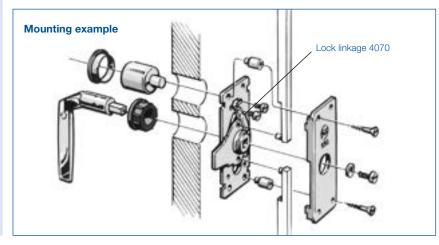
## Screw

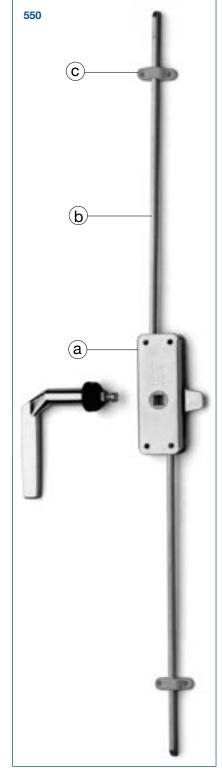
When mounting on wooden door, use: for lock housing

no. 8 (4.0 mm) TKX / DIN 7995. for rod guide Fix 4068

no. 5 (3.0 mm) TKFX / DIN 7995. for receiver

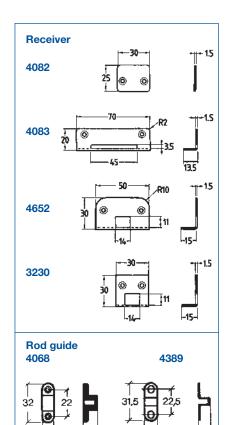
no. 5 (3.0 mm) TFX / DIN 7997.

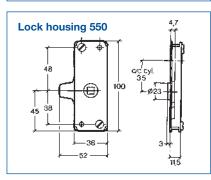


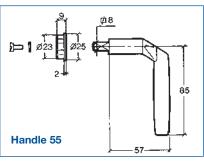


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## Accessories for espagnolette Fix 550







## Handle Fix 55

Used for espagnolette Fix 550 and 590. Fits door thickness 12–23 mm.

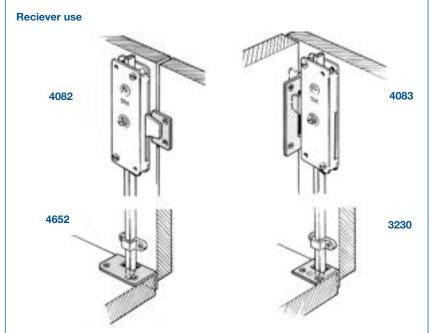
## Installation

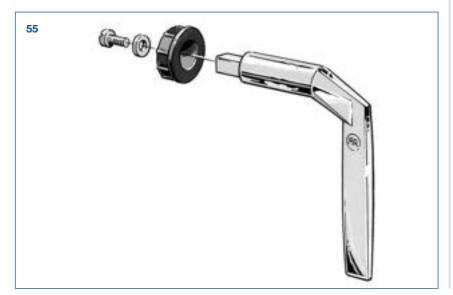
Screw mounted, with the bushing on, from the inside of the door, with screw and plate through the lock housing rower, into the treaded spindle. The

bushing is then pushed into place in the hole from the outside. Gives secure mounting of the handle.

## **Material**

Handle of chrome plated zamak. Bushing of black acetal plastic. Plate and screw of galvanized steel.





## Espagnolette Fix 590

Used on inside of cupboard doors and hatches of wood or steel.

### **Features**

Three-point closing with one single turn. Fits both right and left by rotating the stop linkage and side bolt.

Travel is 16 mm for each lock rod and the side bolt.

## When using spring-operated end bolt:

When closing, the springs push the bolts into the receivers without the handle being turned. The bolt can be rotated with the chamfer in the desired direction. Fine adjustment of the espagnolette length is done by rotating the bolt's pulling rod. Side bolt is not mounted.

### Construction

- a) Lock housing with rower, linkages, stop linkage and bottom plate.
- b) Locking rods 8 x 9 mm.
- c) Rod guides. (2 pcs Fix 3952 included.)

## Material

Rower of zinc-aluminium alloy. Rod guide Fix 3952 of white acetal plastic. (On request, steel rod guide, Fix 681, can be delivered.) Other parts of galvanized steel.

## Standard lengths

Total espagnolette length: 1000, 1500, 2000, 2500 mm.

Measurements relate to open position (rods retracted into lock housing). Handle height: centre.

## **Accessories**

Receiver, page H 164. Inside handle Fix 994. Outside handle, page H 166. Cylinder ring Fix 4081, page H 165. Rower coupling Fix 4973, page H 164, required for mounting of inside handle Fix 994.

Spring-operated end bolt Fix 1531, page H 164.

Spacer plate Fix 3074 for lock housing and 3395 for rod guide, page H 164 (used for door thickness less than 7 mm). Pushbutton cylinder Fix 2940, page H 165.

## When ordering, please state:

### For standard espagnolettes:

- 1. Total espagnolette length.
- Receiver.
- 3. Handle.
- 4. If steel rod guide, Fix 681P, is desired.
- 5. Other accessories.

## For made-to-measure espagnolettes:

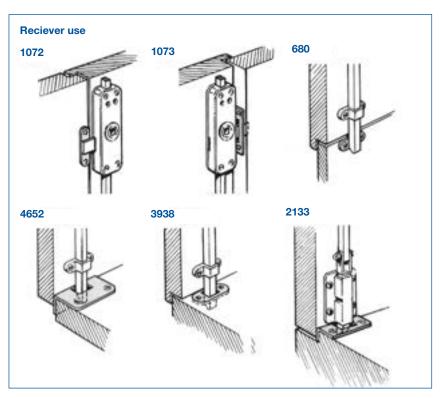
- 1. Total espagnolette length (mounted and in open position).
- 2. Handle height (from bottom edge rod to centre handle rower).
- 3. Receiver.
- 4. Handle.
- 5. If steel rod guide, Fix 681P, is desired.
- 6. Other accessories.

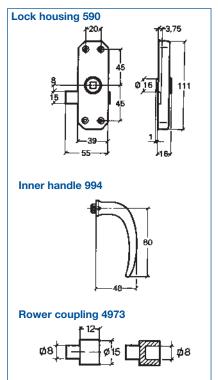
## Screw

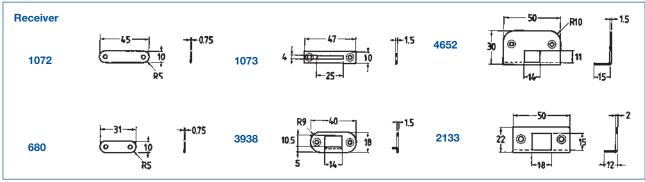
When mounting on wooden door, use: for lock housing no. 6 (3.5 mm) TKFX / DIN 7995. for rod guide Fix 3952 no. 5 (3.0 mm) TKFX / DIN 7995. for receiver Fix 680, 1072 no. 5 (3.0 mm) TKX / DIN 7996. for receiver Fix 1073, 3938, 4652 no. 5 (3.0 mm) TFX / DIN 7997. for receiver Fix 2098, 2133 no. 7 (3.8 mm) TFX / DIN 7997. for spring-operated receiver Fix 1531 no. 10 (5.0 mm) TKX / DIN 7996.

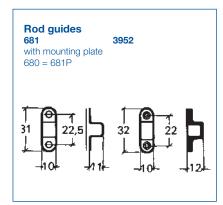


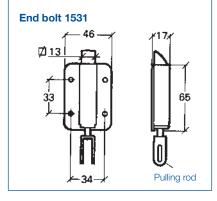
## Accessories for espagnolette Fix 590

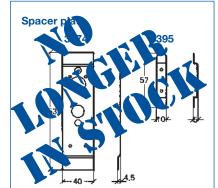












2940

## Pushbutton cylinders and accessories

## **Pushbutton cylinder Fix 2940**

For locking of espagnolette Fix 550 and 590 (page H 161, H 163), and bolt Fix 560/13 and 575 (page J 191–J 192).

## **Operation**

Locking is done when the espagnolette is closed and the cylinder is pushed in. The cylinder pin catches when the espagnolette lock closes. When the key is turned, the cylinder automatically springs out and opens the lock. The key can be taken out when unlocked.

### Construction

a) Lock cylinder with discs. Mounted into a casing.
In storage with lock no. 101–103.
Other lock nos. available on order.
b) Key Fix 5524 (2 pcs. included).

## Material

Cylinder of nickle plated brass. Casing of chrome plated zamak. Key of nickle plated steel.

## Installation

The cylinder is mounted onto the bottom plate of the espagnolette lock housing using the matching screws. When mounting bolt Fix 560/13 and 575, use 4 screws M3 x 4 MFS / DIN 963.

## When ordering, please state:

Locking number, alternatively keyedalike or different locking.

## **Pushbutton cylinder Abloy**

(Ordered from ASSA AB) Like Fix 2940, but in master key system.

## When ordering, please state:

- 1. Quantity of each lock.
- 2. New system or supplement to existing system.
- 3. Number of keys for each lock, and number of master keys.

## Plug Fix 3389

used for handle Fix 423 when pushbutton cylinder has not yet been mounted.

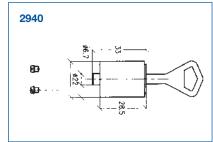
Material Polyethene, black.

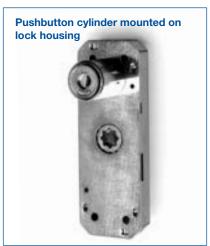


## Cylinder ring Fix 4081

Used for cylinder Fix 2940 or cylinder Abloy when handle Fix 55 or loose handle is used.

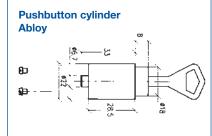
Material Nickle plated brass.











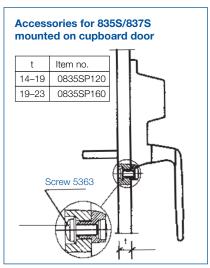


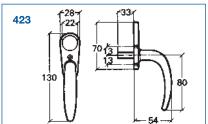


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423 835\$ 837\$ 844\$ 876\$ 895\$

## Handles





## Handle Fix 423

For door with espagnolette Fix 550 and 590, which is locked with pushbutton cylinder Fix 2940 or pushbutton cylinder Abloy.

## Material

Chrome plated zamak. Spindle of 8 mm galvanized square steel. Spindle length 33 mm.

## **Accessories**

Plug Fix 3389, page G 165.

### Screw

Use no. 6 (3.5 mm) TKFX / DIN 7995.

## Security handles Fix 835S and 837S

Used for door with espagnolette, which is locked with oval cylinder of standard type.

Material, operation, features, etc., page G 145.

## Security handles Fix 844S, 876S and 895S

Used for door with espagnolette, which is locked with cylinder 4484.
Material, operation, features, etc., page G 150.





## Snap lock Fix 603 Receiver 99

Used for inward-opening windows with smaller bottom-hung sash, which cannot be reached from the floor.

## Construction

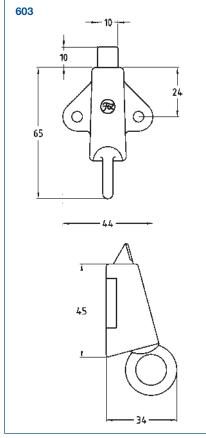
When the sash is closed, the bolt snaps into the receiver. The pull ring releases the bolt from the receiver and the sash can be opened.

The bolt closes automatically with a spring. The receiver can be adjusted to the desired closing operation as it has a rising connection surface.

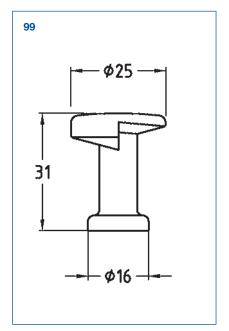
## **Accessories**

Receiver included.









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## Friction door holder and friction casement stay

150 150S 160 160S

Used for windows and glazed doors together with Fix espagnolette, which has transmission device.

Fix 150 and 150S: With fixed frame fixture.

Fix 160 and 160S: with detachable frame fixture.

Fix 150S and 160S are type-approved as child-safe restrictor according to building regulations outlined by the Swedish National Board of Building, Planning and Housing. Applicable when the key has been removed.

## **Operation and features**

Operated with the espagnolette handle. With the handle in closed position, friction holds the sash in the desired airing position. To reduce wear on sash and hinges, the casement stay slips when overloaded. With the handle in open position, the sash can be moved freely. The friction increases with the opening angle.

150S and 160S have a locking bolt, which limits the opening to allowed airing position with regard to child safety (max 100 mm opening). To open past this position, the detachable key must be in place and turned. When the sash is opened, the key is turned before the sash reaches the locking position. The locking function returns automatically when the sash is closed and the key is removed. It also returns by turning the key back manually when closing the sash. Use the plate Fix 4575 to have permanently freed locking function (included in manipulation fitting Fix 4570).

## Construction

- a) Friction casing
- b) End bearing
- c) Locking spindle
- d) Arm
- e) Friction runner
- f) Frame fixture
- g) Lock housing (applies to 150S and 160S).

## Note:

When opening at narrow airing positions (0–200 mm openings), supplement with ventilation stay Fix 85, 86 page I 179 or 92, 93 page I 178.

### **Material**

Friction runner of zamak.
End bearing and frame fixture for
Fix 160 and 160S of acetal plastic.
Operating catch for 150S and 160S of
chrome plated zamak. Plate Fix 4575
of acetal plastic.

## Installation

Top or bottom, depending on the espagnolette transmission. Instructions for milling, with measurements, page I 172–I 173.

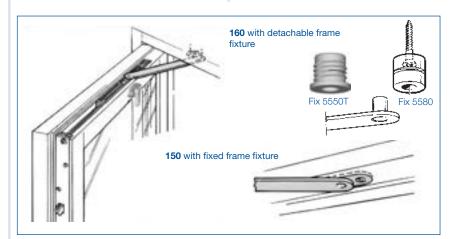
## When ordering, please state:

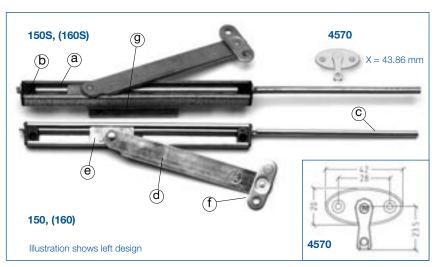
- 1. Sash width in frame fold, or standard size according to I 172.
- 2. Right or left.

- 3. Inward- or outward-opening (applies to Fix 150S and 160S).
- 4. Operating catch Fix 4570 (applies to Fix 150S and 160S).
- 5. Frame fixture Fix 5550T, 5580 or 1640, page I 172 (applies to Fix 160 and 160S).

## Screw

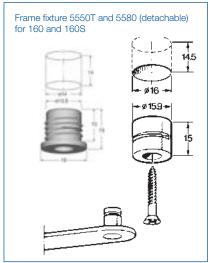
For friction casing, use no. 5 (3.0 mm) TFX / DIN 7997. For frame fixture, use no. 7 (3.8 mm) TFX / DIN 7997. For operating catch, use no. 5 (3.0 mm) TKFX / DIN 7995.

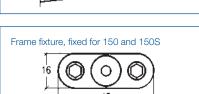




150 150S 160 160S 1650 5550T 5580

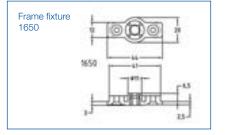
## Friction door holder and friction casement stay



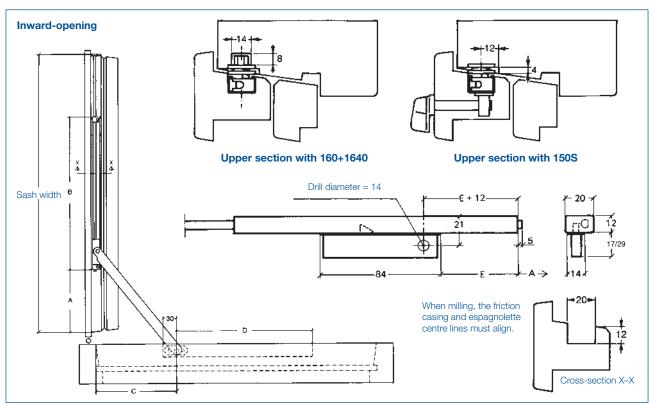


## Use and standard sizes

Sash width max – min	Stand: 150 160	ard size 150S 160S	Locking spindle length at max sash width	Friction casing length	Arm length
140 - 200* 201 - 300* 301 - 400* 401 - 550 730 551 - 800 830 801 - 1200	00 0 1 2 3 3 4 4**	0 1 2 3	192 286 357 457 587 657 537 907	109 157 202 252 352 352 452 452	60 100 140 205 280 280 450 450
1101- 1500	5		1083	452	450



- \*) For sash width less than 400 mm, the detachment function does not work on 160 and 160S.
- \*\*) Fix 150/4 and 160/4 are also used for sash widths over 1100 mm, when the opening angle is limited to 60 or 45 degrees. See measurement table, page I 173.





# Friction door holder and friction casement stay

150S 150S 160 160S

## Instructions for milling, Fix 150 and 160 inward-/outward-opening

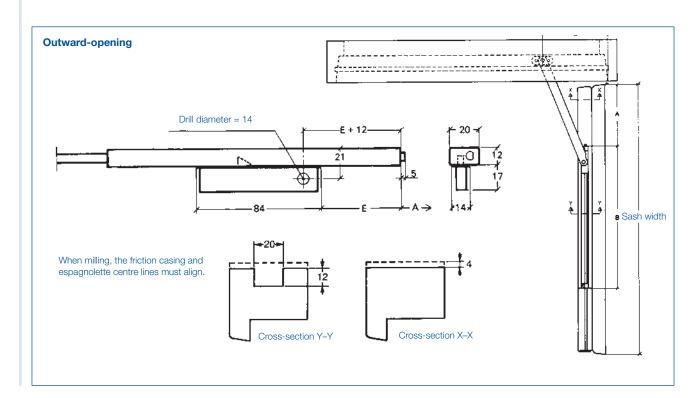
Sash width	Size	А	В	С	D	Inward	Outward
140–200*	00	8	112	25	75	45°	_
201-300*	0	12	157	34	115	62°	88°
301-400*	1	34	202	64	155	85°	99°
401-550	2	92	252	108	220	90°:	±2°
551-800	3	144	352	179	295	90°:	±2°
801-1200	4	294	452	261	465	90°:	±2°
1101-1500	5	428	452	388	465	60°	_
1101-1500	5	566	452	510	465	45°	_

<sup>\*)</sup> For sash width less than 400 mm, the detachment function does not work on 160 and 160S.

## Instructions for milling, Fix 150S and 160S inward-/outward-opening

		Inward	d-openin	g				Outwa	ard-oper	ning		
Sash width	Size	Α	В	С	D	Е	Inward	Α	В	Č	Е	Outward
201–300*	0	20	157	40	115	18	78°	20	157	40	18	60°
301-400*	1	42	202	65	155	56	90°	27	202	57	56	90°
401-550	2	99	252	99	220	106	90°	92	252	102	106	90°
551-800	3	144	352	170	295	213	90°	147	352	184	213	90°
801-1200	4	293	452	254	465	321	90°	297	452	263	321	90°
1101–1500	5	425	452	384	465	321	60°					

<sup>\*</sup> For sash width less than 400 mm, the detachment function does not work on 160 and 160S.



## Friction casement stay, for Euro-note

Used for window airing position. Fix 750 and 760 together with Fix espagnolettes, which have transmission devices.

Fix 740 with detachable frame fixture. Permanent, adjustable friction.

Fix 750 with fixed frame fixture.

Fix 760 with detachable frame fixture.

## **Operation and features**

Fix 740 holds the sash with permanent friction in the desired airing position. The friction is adjustable. Adjusted after mounting.

Fix 750 and 760 are operated by using the espagnolette handle. With the handle in closed position, friction holds the sash in the desired airing position. With the handle in open position, the sash moves freely.

To reduce wear on sash and hinges, the casement stay slips when overloaded.

## Construction

- a) Friction casing
- b) End bearing
- c) Locking spindle
- d) Arm
- e) Friction runner
- f) Frame fixture

## **Material**

Friction runner on Fix 740 of acetal plastic.

Friction runner on Fix 750 and 760 of zamak.

End bearing of zamak.

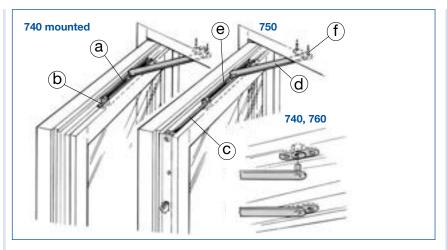
Friction casing of anodized aluminium. Other parts of galvanized steel.

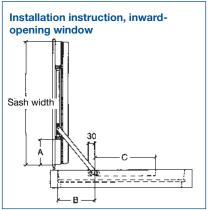
## Installation

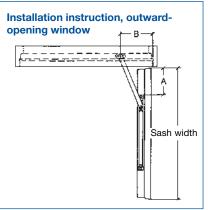
Top or bottom. Instructions for milling, with measurements, see below.

## Screw

For end bearing, use no. 5 (3.0 mm) TFX / DIN 7997. For frame fixture, use no. 7 (3.8 mm) TFX / DIN 7997.







## Instructions for mounting of Fix 740

for inward- and outward-opening window

Sash width	Item no.	Opening angle	А	В	С	Friction casing length	Arm length
301–400	740/1	85	60	70	155	210	140
401-550	740/2	85	110	110	220	260	205
551-800	740/3	85	160	185	295	360	280
801-1100	740/4	85	310	265	465	460	450

## Instructions for mounting of Fix 750 and 760

for inward- and outward-opening window Cut length Spindle = sash width A-4

Sash width	Item no.	Opening angle	g A	В	С	Friction casing length	Arm length	Spindle length
301–400	750/1	85	45	65	155	207	140	252–351
401–550	750/2	85	100	105	220	257	205	297-446
551-800	750/3	85	150	180	295	357	280	397-646
801–1100	750/4	85	300	260	465	457	450	497-796

## Friction casement stays Fix 522 and 532

Used for side-hung and top-hung windows.

For outward-opening windows: Fix 522/1, 522/2.

For inward-opening windows: Fix 532/1, 532/2.

## **Operation and features**

Holds the window with friction in desired open position.

The friction force can be adjusted using the friction adjustment device. Fits both right and left.

## Construction

- a) Frame fixture.
- b) Telescope tube.
- c) Friction adjustment.
- d) Rod.
- e) Sash fixture.

### **Material**

Frame and sash fixtures of varnished steel with cover plate of acetal plastic. Telescope tube of varnished steel with joint head of acetal plastic.

Friction adjustment of acetal plastic. Stainless steel rod with joint head of acetal plastic. White.

## Installation

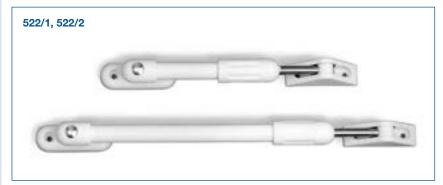
Mounted according to instructions below.

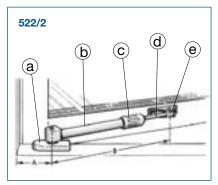
### **Screw**

For frame fixture, use no. 9 (4.5 mm) TFX / DIN 7997. For sash fixture, use

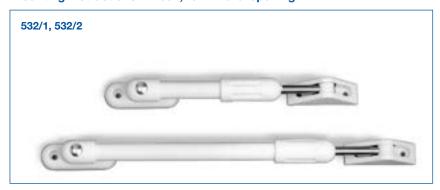
no. 7 (3.8 mm) TFX / DIN 7997.

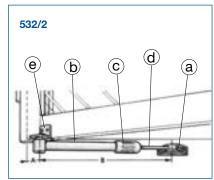
## Mounting instructions Fix 522, for outward-opening





## Mounting instructions Fix 532, for inward-opening



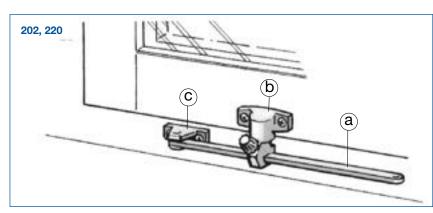


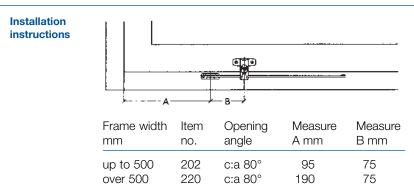
Frame sight measure min. width mm	Item no.	Opening angle		
260	522/1	c:a 45	58	152
370	522/2	c:a 80	58	262

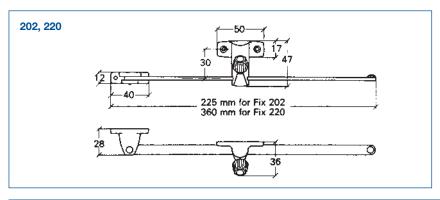
Frame sight measure min. width mm	Item no.	Opening angle		
270	002, .	c:a 90	65	152
420		c:a 90	110	262

## Casement stays Fix 202 and 220

Used for inward-opening windows with sash lipped over frame.







For sash width less than 500 mm: Fix 202.

For sash width over 500 mm: Fix 220. Desired opening position is fixed with the adjusting screw. Fits both right and left.

## Construction

- a) Rod.
- b) Sash fixture with runner and adjusting screw.
- c) Rod fixture with pin.

## **Material**

Rod of anodized aluminium. Brass adjusting screw with polyamide head.

Pin of galvanized brass.

Other parts of acetal plastic in white or brown.

## Installation

Assemble the casement stay for rightor left-hung sash. Push down the rod fixture pin until it snaps in. Mount according to adjacent instruction. Measurements from the hinge side. The rod fixture is mounted

to place the rod parallel to the sash.

## Screw

For rod fixture, use no. 7 (3.8 mm) TKX / DIN 7996. For sash fixture, use no. 6 (3.5 mm) TKFX / DIN 7995.



## Casement stays Fix 225 and 230

Used for outward-opening windows.

For sash width less than 500 mm: Fix225.

For sash width over 500 mm: Fix 230.

## **Operation and features**

Desired opening position is fixed with the adjusting screw. Fits both right and left. Can also be used for keeping a separated sash open.

Lift the rod pin, separate the rod from the rod fixture and hook it into the plate on the outer frame.

## Construction

- a) Rod.
- b) Frame fixture with runner and adjusting screw.
- c) Sash fixture with rod pin.

### **Material**

Rod of anodized aluminium. Rod pin and adjusting screw of brass with polyamide head.

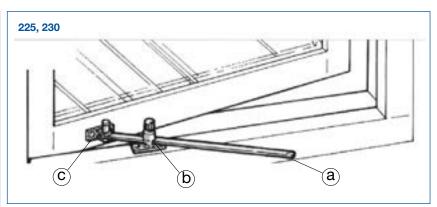
Plate of galvanized steel. Other parts of acetal plastic in white or brown.

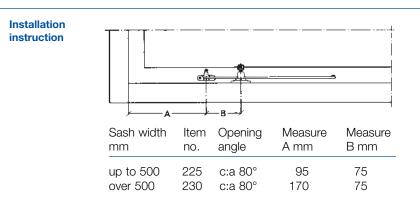
## Installation

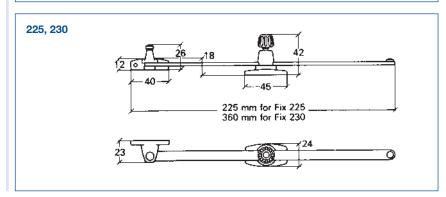
Mounted according to instructions below. Measurements from the hinge side. The rod fixture is mounted to place the rod parallel to the frame. The plate is mounted on the outer sash after making a slot for the rod end.

## Screw

For rod fixture, use no. 7 (3.8 mm) TKX / DIN 7996. For frame fixture, use no. 6 (3.5 mm) TKFX / DIN 7995. For plate, use no. 4 (2.7 mm) TFX / DIN 7997.



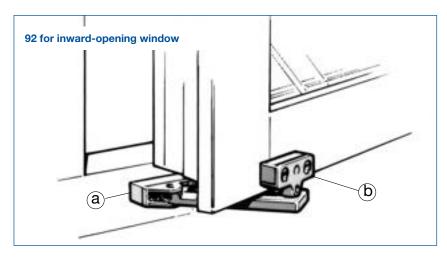






## Ventilation stays Fix 92 and 93

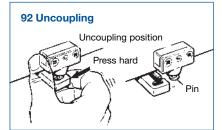
Type-approved, child-safe.

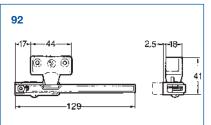


Fix 92 for inward-opening windows. Fix 93 for outward-opening windows.

## **Operation and features**

The fitting has a fixed airing position, which automatically comes into operation when the window is opened. To close the window, push the arm to the side while moving the sash towards a closed position. For openings larger than 100 mm, the fitting can be freed by pushing the arm to the side when it is in a certain position. The operation comes back automatically when the window is closed. Fits both right and left.





## Construction

- a) Frame fixture with arm and mounting plate.
- b) Sash fixture.
- c) Frame fixture.
- d) Sash fixture with arm.

## **Material**

Frame/sash fixture and arm of acetal plastic in white or brown.

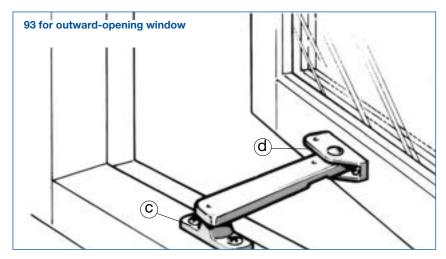
## Installation

Mounted to make the opening gap max 100 mm.

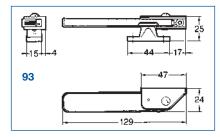
For the Fix 92 frame fixture, there are 3 different mounting plates. Fits lipping of 13–20 mm.

## Screw

For a and d, use no. 6 (3.5 mm) TFX / DIN 7997 For b and c, use no. 6 (3.5 mm) TKFX / DIN 7995.









## Ventilation stays 85 and 86 Restrictors 84 and 184

Fix 184 is type-approved, child-safe.

Fix 85, for inward-opening windows with lipped over sash (also for outward-opening with frame depth less than 32 mm). Fix 86, for outward-opening windows.

## **Operation and features**

The sash is held in fixed airing positions as the rod and the teeth of the arm catch/frame fixture grip each other. Fits both right and left as the arm catch/frame fixture can be rotated.

## Construction

- a) Arm with fixture.
- b) Sash fixture and arm catch.
- c) Frame fixture.

### **Material**

Acetal plastic in white or brown.

## Installation

Mounted according to instructions with measurements.

## Fix 84 and Fix 184

For windows and glazed doors, for limiting the opening position.

## **Operation and features**

Stops the sash in an open position decided by the position of the restrictor. May be uncoupled by pushing in the spring-operated locking reed while the rope is unhooked. Fits both right and left.

## **Construction Fix 84**

- a) Rope fixture with rope and locking knob.
- b) Locking plate.

## Materia

White polyester rope. Other parts of acetal plastic in white or black.

## **Construction Fix 184**

(Type-approved, child-safe)

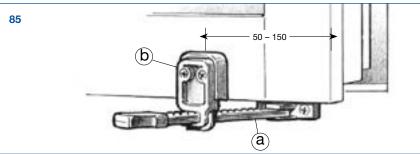
- a) Wire fixture with plastic coated wire and locking knob.
- b) Locking plate with cover.

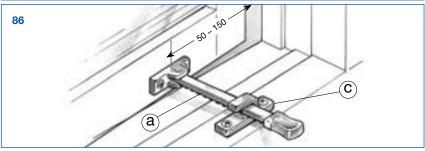
## **Material**

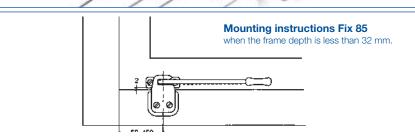
Wire with plastic coating. Other parts of acetal plastic in white or black.

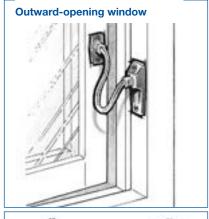
## Screw

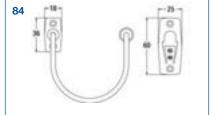
Use no. 6 (3.5 mm) TKFX/DIN 7995.

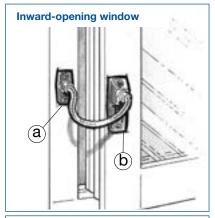














## Window catches Fix 392 and 393



For outward-opening windows: Fix 393 For inward-opening windows: Fix 392

## **Operation and features**

Locks the window in narrow airing positions. Restricts the opening possibility and increased protection against forced entry and child accident.

May be uncoupled when the frame is closed. For child safety, the uncoupling can be locked with a separate key. Fits side- and top-hung sash and window, H-window type, or pivot window.

## Material

Powder painted aluminium. White or brown. Plastic mounting plate. Key of galvanized steel.

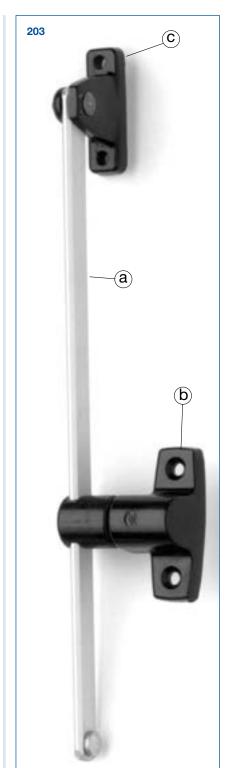
## Installation

Plastic template is included.



## Window stay restrictor Fix 203

Used for inward-opening windows with bottom-hung, lipped sash.



## **Operation and features**

Stops the sash in an open position decided by the position of the window stay restrictor. Fits both right and left. When tilting the sash past the stop position, such as for cleaning, the pin is pushed out of its snap-in position, which uncouples the rod from its fitting.

## Construction

- a) Rod.
- b) Sash fixture with runner.
- c) Frame fixture with pin.

## **Material**

Rod of anodized aluminium. Pin of galvanized brass. Other parts of acetal plastic in white or brown.

## Installation

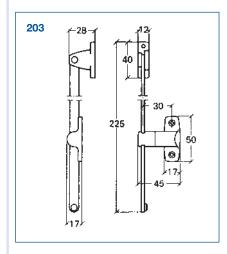
Assemble the window stay restrictor for right or left side. Push down the frame fixture pin until it snaps in. The outer frame fixture and the sash fixture are positioned to obtain the desired opening angle. The frame fixture is

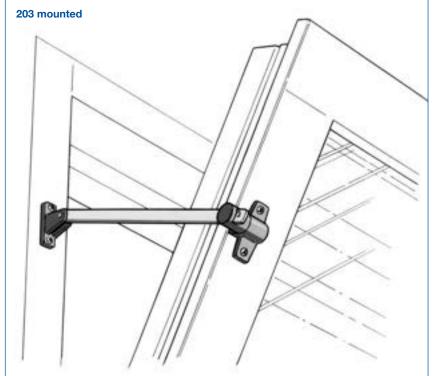
mounted to place the rod parallel to the sash.

## **Screw**

For frame fixture, use no. 7 (3.8 mm) TKX / DIN 7996. For sash fixture, use

no. 6 (3.5 mm) TKFX / DIN 7995.





## Elbow fittings Fix 831 and 8310

Used for inward-opening windows with bottom-hung sash.

Fix 8310 has a catch, which can be locked with a 3 mm Allen key.

## **Operation and features**

Stops the sash in an open position decided by the length and position of the elbow fitting. Fits both right and left. When tilting the sash past the stop position, e.g. for cleaning, the catch is pushed free, which uncouples the elbow fitting from the sash fixture. On Fix 8310, the Allen screw must first be loosened with an Allen key.

## Construction

- a) Restrictor.
- b) Frame fixture.
- c) Sash fixture.
- d) Catch.

## **Material**

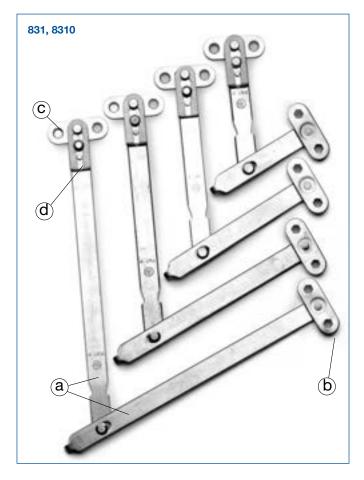
Stainless steel catch.

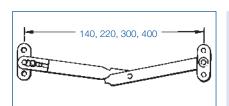
## Other parts of galvanized steel.

## **Screw**

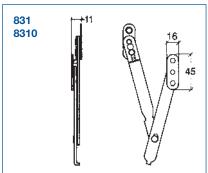
Use no. 7 (3.8 mm) TFX/DIN 7997.

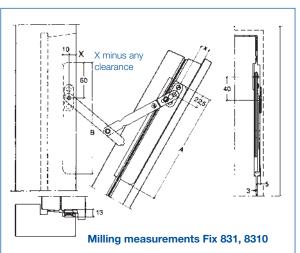
Standard lengths	Item	Item.	Milling me	asurements	
mm	no.	no.	A	В	
140	831/140	8310/140	153	150	
220	831/220	8310/220	193	190	
300	831/300	8310/300	233	230	
400	831/400	8310/400	283	280	













## Door holder Fix 520

Used for outward-opening glazed doors.

## **Operation and features**

The door is fixed in the desired open position with the adjusting screw. The stop spring works as a shock absorber and thereby reduces wear on door and hinges. Fits both right and left.

## Construction

- a) Rod.
- b) Frame fixture with runner and adjusting screw.
- c) Sash fixture with pin.
- d) Stop spring.

## **Material**

Rod of anodized aluminium.

Brass adjusting screw with polyamide head. Pin of galvanized brass. Stop spring of galvanized spring steel.

Other parts of acetal plastic in white or brown.

## Installation

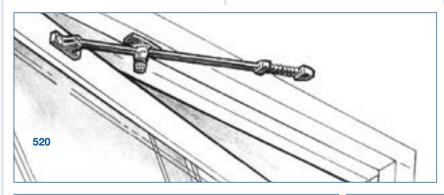
For opening angle of 90 degrees, mount according to instructions below. Measurements are made from the hinge side. The sash fixture is mounted to place the rod parallel to the frame.

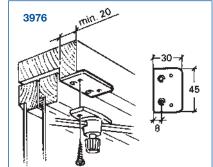
## **Accessories**

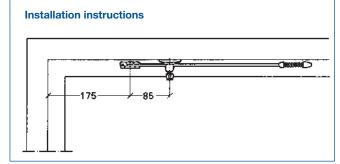
Fixing plate Fix 3976 of galvanized steel, with two sheet metal screws. Used for frame depths less than 30 mm.

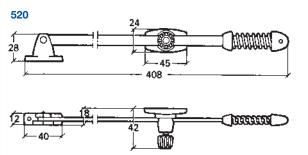
## **Screw**

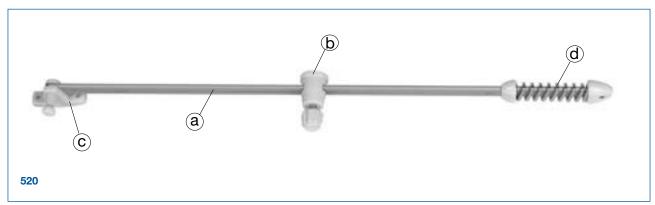
For sash fixture, use no. 7 (3.8 mm) TKX / DIN 7996. For frame fixture, use no. 6 (3.5 mm) TKFX / DIN 7995. For fixing plate, use no. 8 (4.0 mm) TFX / DIN 7997.











## Door holder Fix 440

Used for holding doors in a fully open position.

## **Operation and features**

The door fixture is pressed into the holder in open position to keep the door in this position.

When pulling the door, the holder releases the door fixture.

## Construction

- a) Holder
- b) Door fixture

## **Material**

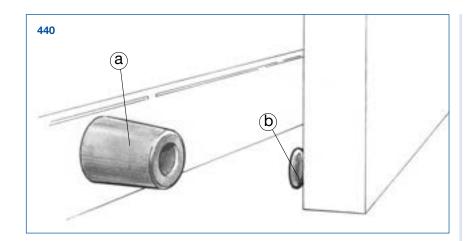
Holder of grey age-resistent rubber. Door fixture of acetal plastic.

## Installation

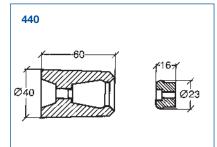
The holder is mounted on the wall, the door fixture on the door.

## Screw

For holder, use no. 12 (5.5 mm) TKX / DIN 7996 For door fixture, use no. 9 (4.5 mm) TKX / DIN 7996





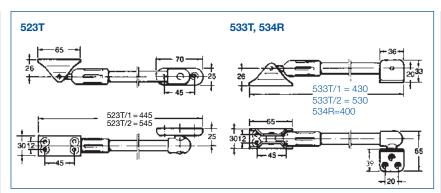


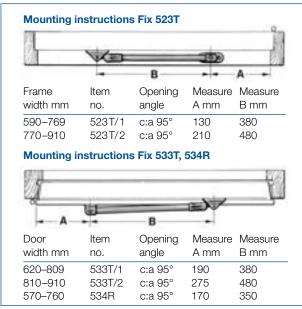


## Friction door holders Fix 523T, 533T and 534R

523T 533T 534R

Used for external doors, glazed doors, storage room doors, etc. Fix 523T, for outward-opening doors. Fix 533T and 534R, for inward-opening doors.





## **Operation and features**

Holds the door with friction in desired open position. Prevents the door from blowing closed and reduces the risk of jam injuries. The friction can be adjusted with the friction adjuster (on Fix 534R, a tool must be used to loosen the lock nut). Fits both right and left.

### Construction

a) Frame fixtureb) Telescope tubec) Friction adjusterd) Nut M16e) Rodf) Door fixture

## **Material**

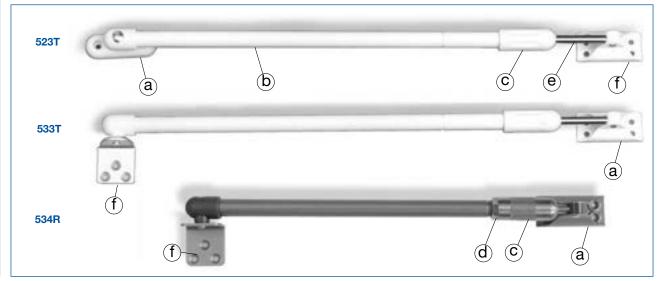
Frame and door fixtures of varnished steel with cover plate of acetal plastic. Varnished steel telescopic tube with joint head of acetal plastic. Friction adjuster of acetal plastic (for Fix 534R: nut of nickle plated brass and stainless steel friction adjustment). Stainless steel rod with joint head of acetal plastic.

## Installation

Mounted according to instructions below.

## Screw

For frame fixture, use no. 9 (4.5 mm) TFX / DIN 7997. For door fixture, use no. 7 (3.8 mm) TFX / DIN 7997.



## 328 328A

## Friction door holders Fix 328 and 328A

Used for storage room doors and lighter internal doors. Fix 328, for outward-opening doors. Fix 328A, for inward-opening doors.

## **Operation and features**

Holds the door with friction in desired open position. The friction force can be adjusted using the adjustment nut. The restrictor arm can be loosened from the frame fixture on Fix 328, and from the door fixture on Fix 328A, respectively. Fits both right and left.

## Construction

- a) Restrictor arms
- b) Frame fixture
- c) Door fixture
- d) Friction plates
- e) Spring plate
- f) Adjustment nut

### **Material**

Friction plate of acetal plastic. Other parts of galvanized steel

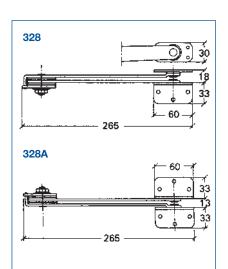
## Installation

For 90 degree opening angle, mount according to the adjacent instruction. Frame and door fixtures must align with each other when the door is closed.

## Screw

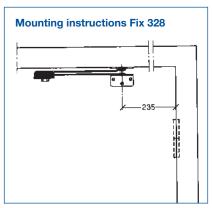
Use

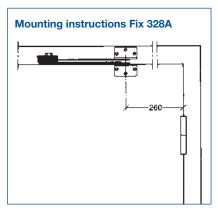
no. 9 (4.5 mm) TKX/DIN 7996.

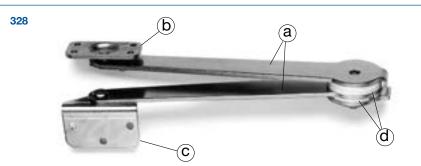


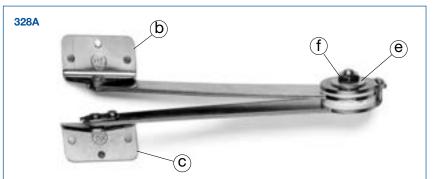








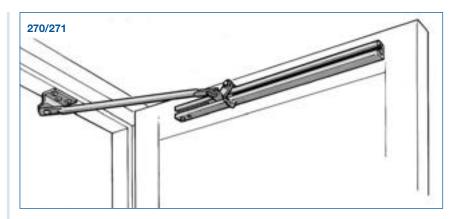


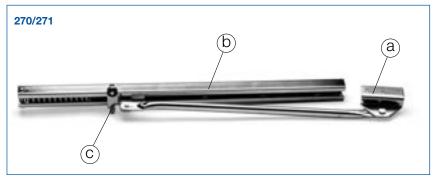


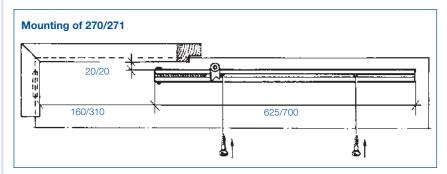
**FIX** 

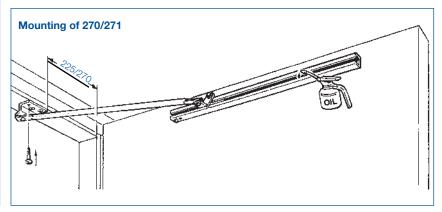
## **Door holders** Fix 270 and 271

Used for keeping doors in a fully open position, approx. 90 degrees. Max door weight 125 kg.









## Fix 270

For door width 800-1100 mm. Fits both right- and left-hung door (decided when mounting).

### Fix 271

For door width 1100-1300 mm. For right- and left-hung door.

## **Operation and features**

In fully open position (approx. 90 degrees), the catch automatically falls into a locking position and keeps the door in position. When the door is pushed further towards the open position, the catch is released so the door can be closed. The stop spring also works as a shock absorber and thereby reduces wear on door and hinges.

## Construction

- a) Frame fixture with restrictor arm and runner
- b) Door rail
- c) Catch

## **Material**

Steel, galvanized or galvanized and powder painted white.

## Installation

Surface mounting. Mounting instructions and screw in the package.

## Hinges

## Hinge D110227

Used for cupboard doors.

### Material

Chrome plated zamak.

## Pivot hinge D110196

Used for rotating windows with horizontal-hung sash.

### **Material**

Chrome plated zamak.

### Note:

Max sash weight is 150 kg.





## **Pivot hinge Fix 3045**

Used for rotating windows with horizontal-hung sash.

## **Construction:**

The friction housing has two rotation points with friction, which cooperate from closed position to 180 degrees rotated position. The top rotation point has permanent friction.

The bottom rotation point has adjustable friction. The friction housing movement is such that the rotation points always have the most favourable position in relation to the opening angle of the sash. This means an even holding and manipulation and gives continuous airing positions. The sash can be lifted into and out of its hinges in the frame in all positions between 90 and 180 degrees. The hinge only sticks out 18 mm from sash and frame in closed position.

## Material

- a) Friction housing, zamak
- b) Fixing plate for frame fixture, galvanized steel
- c) Cover strip, acetal plastic
- d) Front strip, aluminium.

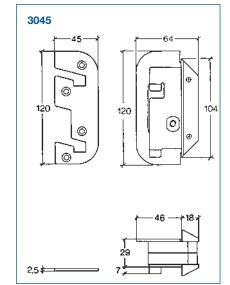
Friction discs, fibre material. Other parts, galvanized steel.

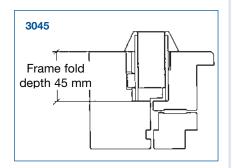
## Installation

Recessed.

## Note:

Max sash weight is 150 kg.









Bolt 575

## Fix 575

Used on side-hung doors, which are operated from the outside, inside or both.

## **Operation and features**

Two point locking which can be supplemented with one or more side bolts, Fix 244, page J 196. Fits both right and left versions, by moving the stop link of the lock housing. The stop link limits the handle movement between open and closed positions. Travel is 28 mm for each bolt bar. Fix 575 is prepared for locking from the inside with a pushbutton cylinder, Fix 2940, page H 165.

### Construction

- a) Lock housing.
- b) Bolt bars, 13 mm square.
- c) Bar guides.
- d) Inner handle.
- e) Outer handle.

## **Material**

Rower and handle bearing of zincaluminium.

Other parts of galvanized steel.

## Installation

Surface mounting. Mounting instructions are included in the lock housing package.

## **Standard lengths**

2075, 2475, 2975 mm. Handle height 1100 mm.

Measurements relate to mounted bolt in open position.

Total length of the upper bar (Fix 723): 939 mm (Fix 0723 3093), 1339 mm (Fix 0723 3133), 1839 mm (Fix 0723 3183). Total lower bar length: 1064 mm (Fix 0722, 3106). Upper bar end bevelled and bent 7 mm. Lower bar end is turned and bent 7 mm.

## **Accessories**

Outer handle Fix 1710, of zamak, powder painted grey, see below. Inner handle Fix 2858, of galvanized steel.

Grab bolt Fix 564, page J 196. Side bolt Fix 244, page J 196. Bar guide Fix 354/13, page J 193, 2 pcs. included in lock housing package.

Receiver Fix 351/13, page J 197, 1 pcs. included in the lock housing package.

Receiver Fix 352/13, 353/13, 1847, page J 197.

Pushbutton cylinder Fix 2940, page H

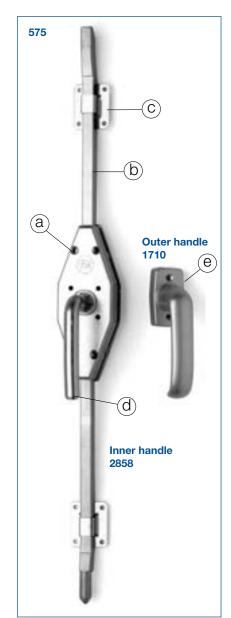
## When ordering, please state:

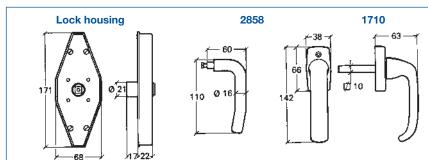
- Standard length, or for made-tomeasure: total bolt length (mounted and in open position), and handle height (from bottom edge of bar to centre of handle rower).
- 2. Handle item number.
- 3. Other accessories.

Unless otherwise ordered, delivery includes made-to-measure bolt with bar adaption like description for standard lengths. But for inward-opening doors, unbent upper bars are supplied.

## **Screw**

For lock housing no. 9 (4.5 mm) TKX / DIN 7995. For bar guide and receiver 351 no. 9 (4.5 mm) TKX / DIN 7996. For handle 1710 no. 8 (4.0 mm) TKF / DIN 7995. For grab bolt 564 and side bolt 244 no. 12 (5.5 mm) TKX / DIN 7996. For receiver 353 no. 10 (5.0 mm) TKX / DIN 7996.





560/13 560/19 560L/19

## Bolts Fix 560/13, 560/19, 560L/19

Used for side-hung doors, which are operated from the inside only.

## **Operation and features**

Two point locking. Fix 560/13 can be supplemented with one or more side bolts, Fix 244, page J 196. Fits both right and left versions by moving the stop link of the lock housing. The stop link limits the handle movement between open and closed positions. Travel for each bolt bar is: 28 mm for Fix 560/13.

Fix 560/13 is prepared for locking from the inside with pushbutton cylinder Fix 2940, page H 165.

Fix 560/13 can also be used as panic holt

In this case, the lock housing is mounted without stop link with the handle pointing up in closed position. Suitable handle height is 1600 mm.

## **Bolt Fix 560L/19**

Operation and features like Fix 560/19, but also lockable from the inside with oval cylinder of standard type.

## Construction

- a) Lock housing.
- b) Bolt bars13 mm square for Fix 560/1319 mm square for Fix 560/19 and 560L/19.
- c) Bar guides.
- d) Lockable handle.

## Material

Brass handle bearing. Lockable handle for Fix 560L/19 of zamak, powder painted black, and with plate of black acetal plastic. Other parts of galvanized steel.

## Installation

Surface mounting.

Mounting instructions are included in the lock housing package.

## **Standard lengths**

For Fix 560/13: 2075, 2475, 2975 mm. For Fix 560/19 and 560L/19: 3500 mm. Handle height for all 1100 mm Measurements relate to mounted bolt in open position.

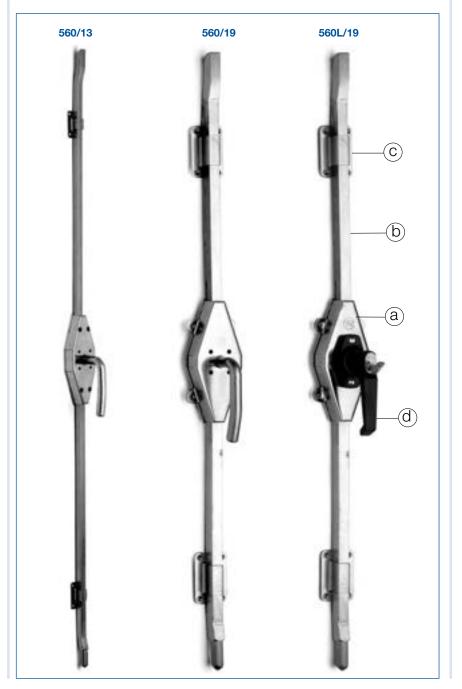
Total length of upper bar for Fix 560/13: 939 mm (Fix 0723 3093), 1339 mm (Fix 0723 3133), 1839 mm (Fix 0723 3183). Total lenght of lower bar for Fix 560/13: 1064 mm (Fix 0722 3106).

Total length of upper bar for

Fix 560/19 and 560L/19: 2361 mm (Fix 0723 9236).

Total lenght of lower bar for Fix 560/19 and 560L/19:

1061 mm (Fix 0722 9106).





## Bolt measurement drawings

## **Accessories**

Grab bolt Fix 564 for Fix 560/13, page J 196.
Side bolt Fix 244 for Fix 560/13, page J 196.
Bar guide Fix 354, page H 165, 2 pcs. included in lock housing package. Receiver, page J 197 (1 pc. Fix 351 included in lock housing package). Pushbutton cylinder Fix 2940 for Fix 560/13, page H 165.
For Fix 560L/19: oval cylinder of standard type.

## When ordering, please state:

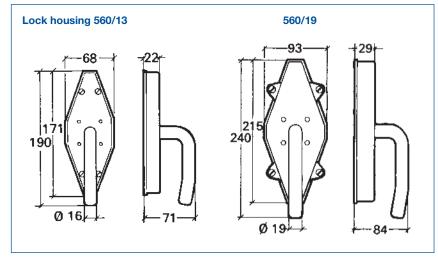
- 1. Item number.
- 2. Standard length, or for made-tomeasure: total bolt length (mounted and in open position), and handle height (from bottom edge of bar to centre of handle rower).
- 3. Other accessories.

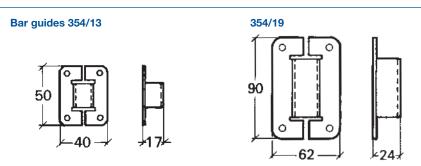
Unless otherwise ordered, made-tomeasure bolt with bar adaption like the description for standard lengths will be supplied. But for inward-opening doors, unbent upper bars are delivered.

## **Screw**

For lock housing 560/13 no. 9 (4.5 mm) TKX / DIN 7995. For lock housing 560/19, 560L/19 no. 12 (5.5 mm) TKX / DIN 7996. For bar guide 354/13 no. 9 (4.5 mm) TKX / DIN 7996. For bar guide 354/19 no. 12 (5.5 mm) TKX / DIN 7996. For receiver 351/13 no. 9 (4.5 mm) TKX / DIN 7996. For receiver 351/19 no. 12 (5.5 mm) TKX / DIN 7996. For receiver 353/13 no. 10 (5.0 mm) TKX / DIN 7996. For receiver 353/19 no. 12 (5.5 mm) TKX / DIN 7996.

For receiver 353/19
no. 12 (5.5 mm) TKX / DIN 7996.
For grab bolt 564
no. 12 (5.5 mm) TKX / DIN 7996.
For side bolt 244
no. 12 (5.5 mm) TKX / DIN 7996.







280 280L

## Bolts Fix 280 and 280L

Used on side-hung doors, which are operated from both sides and lockable from the outside, or from both sides.

## **Operation**

With the turn catch in vertical position, the bolt locks automatically when closing. Unlocking is done:

from the outside with a key, from the inside by turning the turn catch to a horizontal position.

Fix 280L, lockable both sides. With the key taken out on the cylinder side, locks automatically when closing.

### **Features**

Two point closing, which can be supplemented with one or more side bolts Fix 244, page G6. The handle has marked stop positions for both open and closed. The bolt is lockable with oval cylinder of standard type. Travel is 28 mm for each bolt bar.

## Construction

- a) Inner lock housing.
- b) Outer handle.
- c) Bolt bars, 13 mm square.
- d) Bar guides.
- e) Handle pin.
- f) Cylinder shackle with screw.
- g) Screw for outer handle.

## Material

Inner handle and turn catch of zamak. Cover of varnished aluminium. Rower of zinc-aluminium. Outer handle of chrome plated brass. Other parts of galvanized steel.

## Installation

Surface mounting. Mounting instructions are included in the lock housing package.

## Standard lengths

2100, 2500, 3000 mm. Handle height 1100 mm. Measurements relate to mounted bolt in open position.

Total upper bar length: 939 mm (Fix 0723 3093), 1339 mm (Fix 0723 3133), 1839 mm (Fix 0723 3183).

Total lower bar length: 1064 mm

(Fix 0722 3106).

Upper bar end bevelled and bent 7 mm. Lower bar end is turned and bent 7 mm.

## Accessories

Grab bolt Fix 564, J 196. Side bolt Fix 244, page J 196. Bar guide Fix 354/13, page J 193, 2 pcs. included in lock housing package. Receiver Fix 351/13, page J 197, 1 pc. included in lock housing package. Alternative receivers, page J 197. Oval cylinder of standard type.

## When ordering, please state:

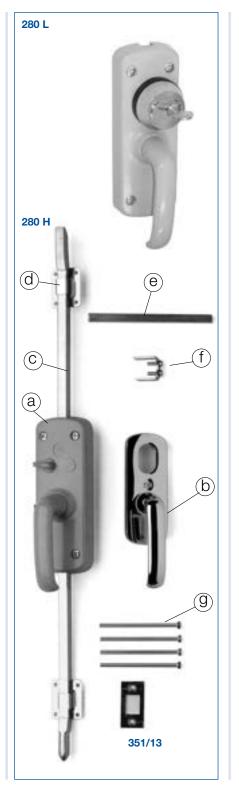
- Standard length, or made-tomeasure: total bolt length (mounted and in open position), and handle height (from bottom edge of bar to centre of handle rower).
- 2. When made-to-measure bolt is to have side bolts only: measurements A and B according to illustration, page J 196.
- 3. If the door is right- or left-hung.
- 4. Accessories.

Unless otherwise ordered, made-tomeasure bolt with bar adaption like description for standard lengths will be supplied. But for inward-opening door, unbent upper bar is supplied.

## Screw

For lock housing and bar guides no. 9 (4.5 mm) TKX / DIN 7996. For grab bolt and side bolt no. 12 (5.5 mm) TKX / DIN 7996. For receiver 351 no. 9 (4.5 mm) TFX / DIN 7997. For receiver 353 no. 10 (5.0 mm) TKX / DIN 7996.







## Panic bolt Fix 285

Used for outward-opening, side-hung doors to premises where quick evacuation may be necessary.

## **Operation**

The bolt can always be opened from the inside, even when it is locked from the outside. When closed, the inner handle is to be horizontal. For emergency evacuation, the handle is pressed down. The handle has a length, which enables manipulation with knee or elbow, for example.

### **Features**

Two point closing, which can be supplemented with one or more side bolts Fix 244, page J 196. The handle has marked stop positions for both open and closed. The bolt is lockable with oval cylinder of standard type. Travel is 28 mm for each bolt bar.

## Construction

- a) Inner lock housing.
- b) Inner handle.
- c) Outer handle.
- d) Bolt bars, 13 mm square.
- e) Bar guides.
- f) Handle pin.
- g) Cylinder shackle with screw.
- h) Screw for outer handle.

## Material

Cover and inside handle of aluminium. Rower of zinc-aluminium. Outer handle of chrome plated brass. Other parts of galvanized steel.

## Installation

Surface mounting. Mounting instructions are included in the lock housing package.

## **Standard lengths**

2100, 2500, 3000 mm. Handle height 1100 mm. Measurements relate to mounted bolt in open position.

Total upper bar length: 939 mm (Fix 0723 3093), 1339 mm (Fix 0723 3133), 1839 mm (Fix 0723 3183).

Total lower bar length: 1064 mm

(Fix 0722 3106).

Upper bar end bevelled and bent 7 mm. Lower bar end is turned and bent 7 mm.

## **Accessories**

Grab bolt Fix 564, page J 196. Side bolt Fix 244, page J 196. Bar guide Fix 354/13, page J 193, 2 pcs. included in lock housing package. Receiver Fix 351/13, page J 197. 1 pc included in lock housing package. Alternative receivers, page J 197.

Oval cylinder of standard type.

## When ordering, please state:

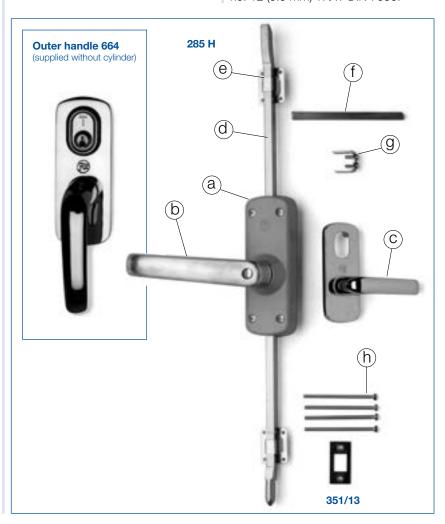
 Standard length, or for made-tomeasure: total bolt length (mounted and in open position), and handle height (from bottom edge of bar to centre of handle rower).

- When made-to-measure bolt is to have side bolts only: measurements A and B according to illustration, page J 196.
- 3. If the door is right- or left-hung.
- 4. Accessories.

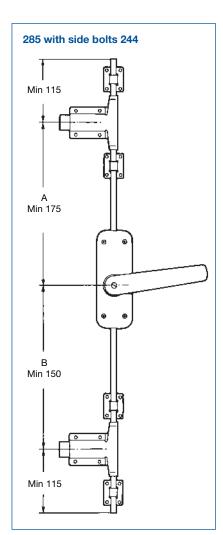
Unless otherwise ordered, made-tomeasure bolt with bar adaption like description for standard lengths will be supplied.

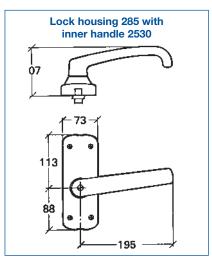
### **Screw**

For lock housing and bar guide no. 9 (4.5 mm) TKX / DIN 7996. For receiver Fix 351 no. 9 (4.5 mm) TFX / DIN 7997. For grab bolt and side bolt no. 12 (5.5 mm) TKX / DIN 7996.



## Accessories for bolts, measurement drawings





## Side bolt Fix 244

For bolt with 13 mm square rods, Fix 280, 285, 560/13, 575.

## Installation

Coupled to hole 7.3 mm in the bolt bar and can have optional position, see illustration. Travel 17 mm.

## **Material**

Brass bolt. Other parts of galvanized

## **Accessories**

Bar guide Fix 354/13, see illustration, 2 pcs. included.

Use no. 12 (5.5 mm) TKX / DIN 7996.



## **Grab bolt Fix 564**

On outward-opening door for bolt with 13 mm square rods, Fix 280, 285, 560/13, 575.

## Installation

Coupled to hole Ø 7.3 mm in straightcut rod end. Matching glide plate is mounted in connection with the grab bolt fixing plate.

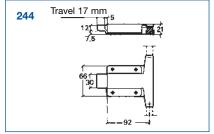
### **Material**

Bolt and fixing plate of galvanized iron. Other parts of galvanized steel.

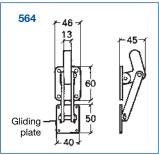
### **Screw**

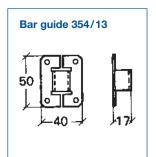
Use no. 12 (5.5 mm) TKX / DIN 7996.

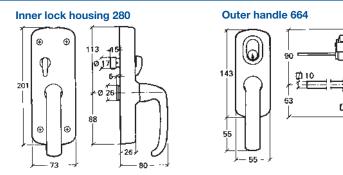






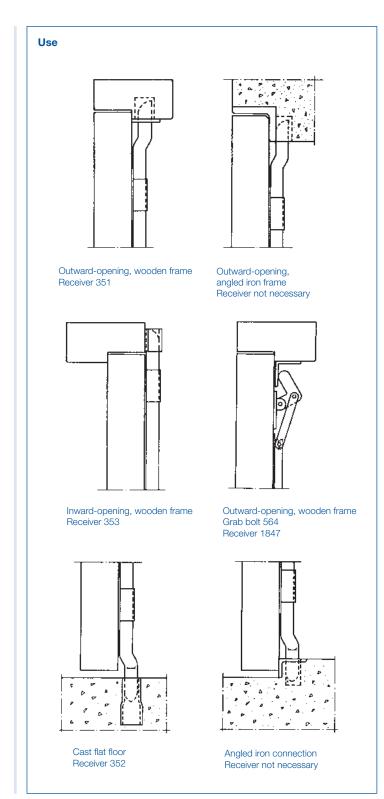


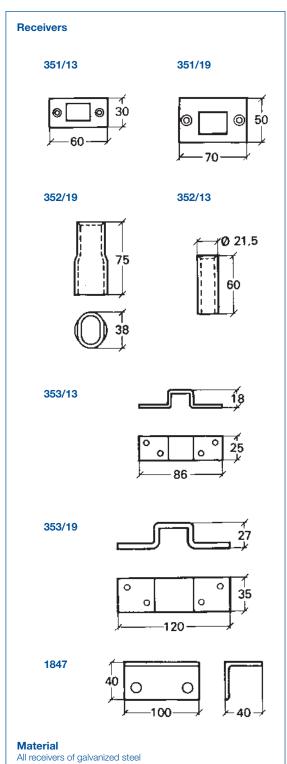






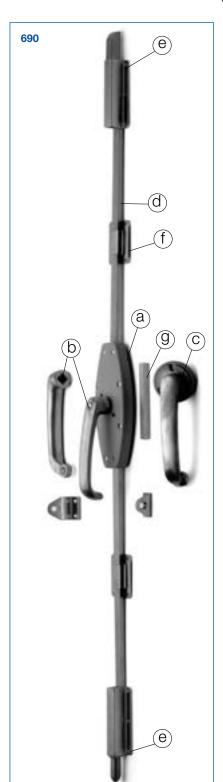
## Receivers, use, measurement drawings





## Bolt Fix 690

Used on larger or heavier doors, which are operated from the outside, inside or both.



## **Operation and features**

Two point locking. Handle may be mounted on outside, inside or both. Locking can be done with padlock on outside or inside. The outer handle fixing plate is designed to make the fitting screws inaccessible when the bolt is locked. Fits both right and left by moving the stop pin of the lock housing. The stop pins limit the handle movement between open and closed positions. Travel for each bolt bar is 44 mm.

## Construction

- a) Lock housing.
- b) Inner handle.
- c) Outer handle.
- d) Bolt bars, 20 x 8 mm.
- e) End bolts 20 x 20 mm, with bolt guide.
- f) Bar guides.
- g) Handle pin.

## **Material**

Lock housing of zamak, powder painted, grey.
Rower of zinc-aluminium. Handle of

aluminium. Other parts of galvanized steel.

## Installation

Surface mounting.

## Standard lengths

2050, 3100 and 4000 mm. Handle height 1200 mm.

Measurements relate to mounted bolt in open position. Total upper bar length: 740 mm (2553 0740), 1790 mm (2553 1790), 2690 mm (2553 2690). Total lower bar length: 1090 mm (2553 1090).

## Accessories

See page J 199.

## When ordering, please state:

- 1. Standard length, or for made-tomeasure: total bolt length (mounted and in open position), and handle height (from bottom edge of bottom bolt to centre of handle rower).
- 2. Handles, see page J 199.
- 3. Bolts, see page J 199.
- 4. Receivers, see page J 199.

### **Screw**

For lock housing, bolt guide, bar guide and receiver 3085

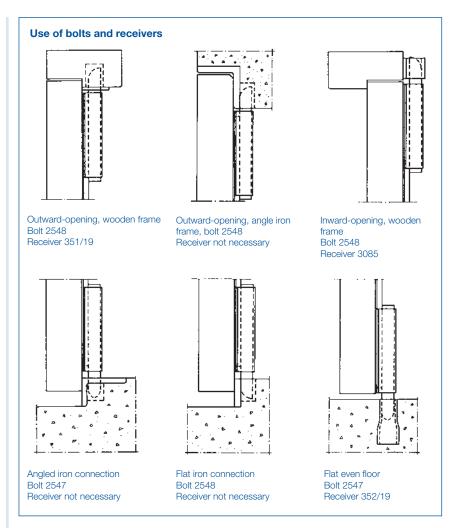
no. 12 (5.5 mm) TKX / DIN 7996. For outer handle, lock brackets, and receiver 351/19

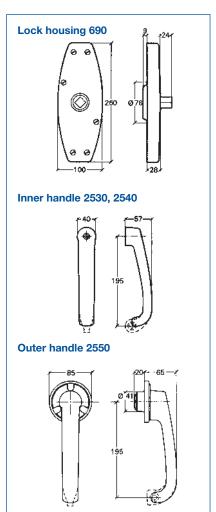
no. 12 (5.5 mm) TFX / DIN 7997. For grab bolt 356

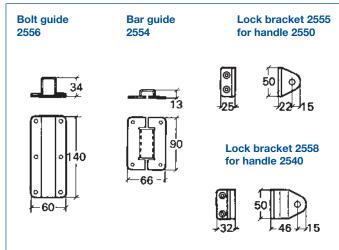
no. 14 (6.0 mm) TKX / DIN 7996.

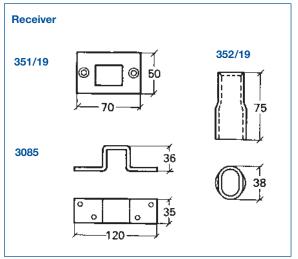


# Bolt Fix 690, Accessories and measurement drawings



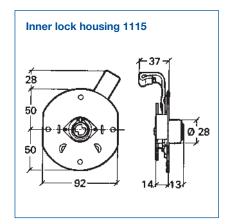






## Bolts Fix 700 and 705

Used for overhead garage doors (up and over). Lockable with cylinder from the outside.



Fix 700 locked manually with key. Fix 705 locked automatically when closing.

## **Operation and features**

The spring-operated end bolts snap in behind the frame connection iron and provides two point locking.

The key can be taken out in both unlocked and locked positions. From the inside, the bolt can always be opened with the lock housing manipulation arm.

The bolt length can be adjusted by turning the end bolt pulling rod. Travel is 18 mm for each bolt.

## Construction

- a) Lock housing with manipulation arm.
- b) Pull handle.
- c) Bolt rod 12 x 3,5 mm.
- d) Rod guides.
- e) Spring-operated end bolts.
- f) Outer handle.

## **Material**

Outer handle of zamak with powder painted grip and plate with cover of acetal plastic. End bolt of zamak. Rod guide of acetal plastic. Other parts of galvanized steel.

## Installation

Surface mounting.

Mounting instructions are included in the lock housing package.

## Standard length

2600 mm. Measurement relates to mounted bolt in open position. Lock housing centre.

Total rod length: 1200 mm (Fix1195 0120)

## **Accessories**

Oval cylinder, standard type. Cover plates Fix 1125/1126, page J 201.

## When ordering, please state:

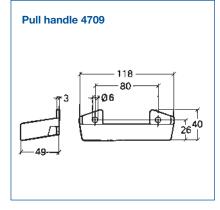
- Standard length, or for made-tomeasure: total bolt length (mounted and in open position).
- 2. Door thickness.

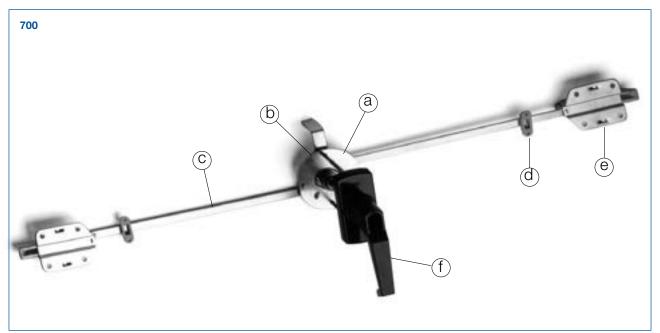
## Screw

For lock housing, pulling handle and bolts no. 12 (5.5 mm) TKX / DIN 7996. For rod guides

no. 7 (3.8 mm) TKX / DIN 7996.

Note: For increased protection against forced entry, use Fix 280, page J 194.



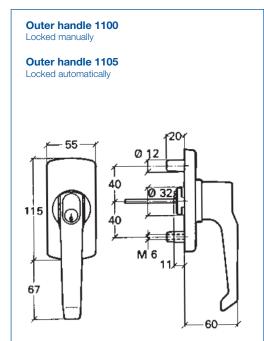


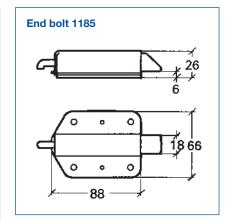


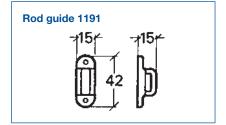
## Bolts Fix 700 and 705, measurement drawings, accessories

705









## **Security cover Fix 1120**

Protection against forced entry for the outer handle on the garage bolt Fix 700.

## **Operation and features**

The security cover is mounted with penetrating screw over the outer handle for garage bolt Fix 700. Then, the handle is only accessible from one side and is thereby protected against attempted forced entry. The cover also protects the cylinder against water and frost.

## **Material**

Steel, 3 mm, powder painted, black. Screw, nut and plate of galvanized steel included, for door thickness max 70 mm.

## **Dimension**

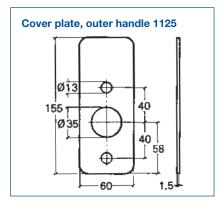
H = 295 mm

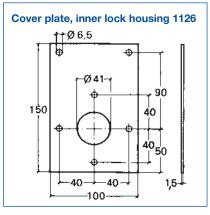
W = 75 mm

D = 75 mm

c/c screw hole 274 mm







## Door locks Fix 110 and 115

Used for doors, side-hung type, ceiling-hung sliding doors, overhead garage doors (up and over), storage room doors, etc.

Fix 110: lockable with oval cylinder of standard type.

Fix 115: lockable with Europe-profile cylinder.

## **Operation and features**

The lock is operated with key or handle. Can be locked with cylinder from outside/inside, or both. Stroke 50 mm.

Available in right and left version.

## Construction

- a) Lock housing.
- b) Spacer ring, for mounting of cylinder/handle on the inside.
- c) Spacer plate, for mounting of cylinder on the outside (not included).
- d) Receiver (not included).

## **Material**

Lock housing and bolt of galvanized steel, with rower of zamak.

Spacer ring of acetal plastic.

Spacer plate of zinc-aluminium.

## Installation

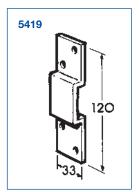
Can be mounted according to figure below, depending on desired key/handle movement. Mounting instructions on the package.

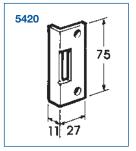
## **Accessories**

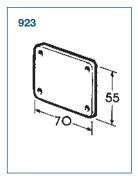
Receiver Fix 5419, 5420 and 923. Spacer plate C, see table (ordered from ASSA).

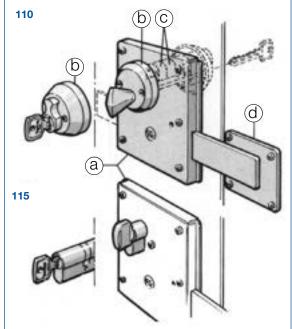
Positioning plate Fix 5135

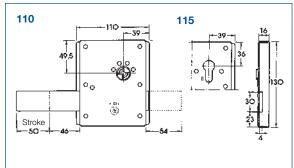
Spacer	Item no.			
plate C	for ASSA			
8 mm	41 86 81			
10 mm	80 74 25			
12.5 mm	41 86 82			
18 mm	1 86 83			

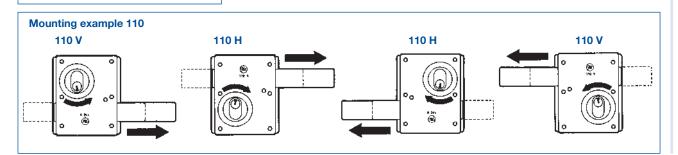














Door locks Fix 450 and 480

450 480

Used for doors, which are operated from both sides. Lockable with cylinder. Intended for built-in mounting.

Fix 450: lockable with Europe-profile cylinder.

Fix 480: lockable with oval or round cylinder of standard type, 360° turn. Also available with micro switch.

## **Operation and features**

Two point closing, with coupling of tube/rods (not included). Handle may be mounted on outside, inside or both. Locking with cylinder may be done from one side or both. Fits both right and left. Travel for each bolt bar is 25 mm. Handle rower 10 mm square.

## Construction

- a) Lock housing.
- b) Rod coupling.
- c) Handle rower.
- d) Lock rower.

## Material

Lock housing of galvanized steel. Rod coupling of galvanized steel, diameter 12 mm. Handle and lock rower of zincaluminium.

## Installation

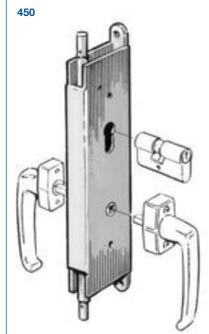
Intended for built-in mounting.

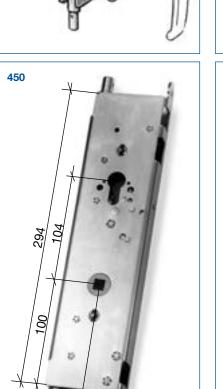
## **Accessories**

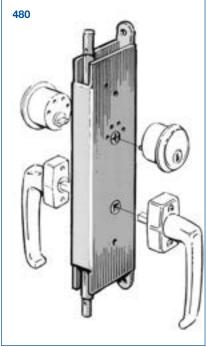
Handle Fix 1710, page J 191. Lock cylinder:

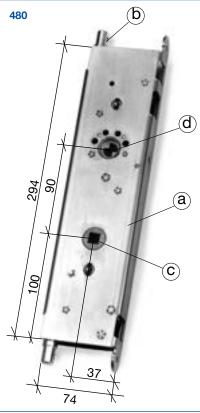
For Fix 480, round or oval of standard

For Fix 450, Europe-profile cylinder.











## Gate lock Fix 485

Used for gates, which are operated from both sides. Lockable with cylinder.

## **Operation and features**

Two point locking. Bolts, diameter 20 mm. Handle may be mounted on outside, inside or both. Lock housing is built into a steel cassette. Closing is done when the bolts enter the receiver in the receiving part. Locking may be done with cylinder from one side or both.

Travel for each bolt is 25 mm. Handle rower 10 mm square. Available in right and left versions.

- **Construction** a) Lock housing.
- b) Lock housing cassette.
- c) Receiving part.

## **Material**

Lock housing of galvanized steel. Bolts of stainless steel. Rowers of zincaluminium. Lock housing cassette and receiving part of galvanized 3 mm steel.

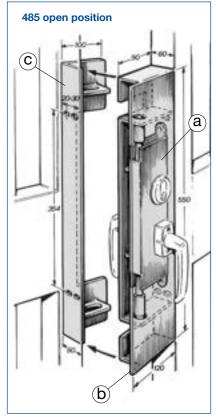
## Installation

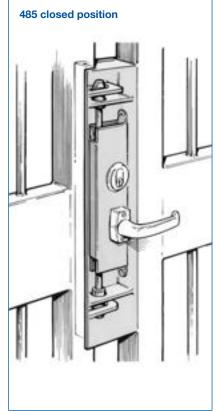
Surface mounting. Screwed to master gate/slave gate or post. Distance between gate posts 100–125 mm.

## Accessories

Handle Fix 1710, page J 191. Round or oval cylinder of standard type.









## Door holders Fix 270 and 271

Used for keeping doors in a fully open position, approx. 90 degrees. Max door weight 125 kg.

## Fix 270

For door width 800–1100 mm. Fits both right- and left-hung door (decided when mounting).

## Fix 271

For door width 1100–1300 mm. For right- and left-hung door.

## **Operation and features**

In fully open position (approx. 90 degrees), the catch automatically falls into a locking position and keeps the door in position. When the door is pushed further towards the open position, the catch is released so the door can be closed. The stop spring also works as a shock absorber and thereby reduces wear on door and hinges.

## Construction

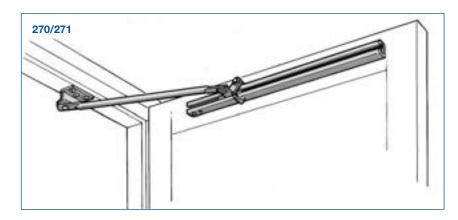
- a) Frame fixture with stopper arm and stretcher.
- b) Door rail.
- c) Catch.

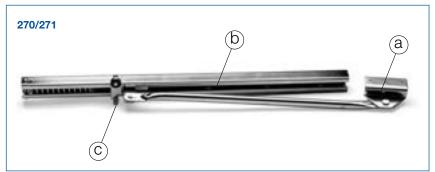
## **Material**

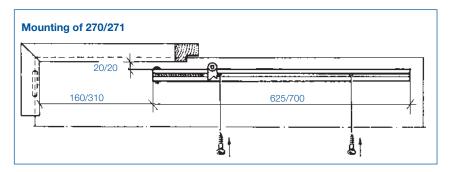
Steel, galvanized or galvanized and powder painted white.

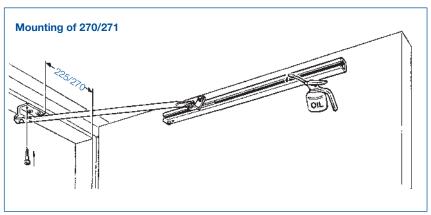
## Installation

Surface mounting. Mounting instructions and screw in the package.



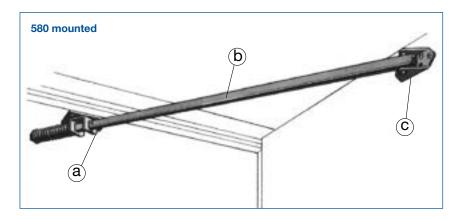


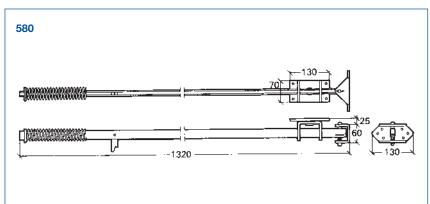




## Door holder Fix 580

Used for holding larger or heavier side-hung doors in a fully open position.





## **Operation and features**

In fully open position (approx. 90 degrees), the catch automatically falls into a locking position and keeps the door in position. When the door is pushed further towards the open position, the catch is released so the door can be closed. The stop spring also works as a shock absorber and thereby reduces wear on door and hinges. Fits both right and left.

## Construction

- a) Frame fixture with stretcher.
- b) U profile rod with catch and stop spring.
- c) Door fixture.

## **Material**

Galvanized steel.

## Installation

Mounting instructions included in the package.

## Screw

Use no. 14 (6.0 mm) TKX / DIN 7996.