



Always precise **WINK
HAUS**

activPilot

SKG - Sicherheitsfenster Kunststoff



für
Fenster

Allgemeine Richtlinien zur Montageanleitung activPilot (SKG) für Kunststofffenster

Allgemeine Richtlinien für die Montage und die Anwendung von Winkhaus Fenstertechnik activPilot Beschlägen, um Fensterelemente gemäß der Norm NEN 5096 Klasse 2 zusammenzustellen.

Beschlagmontage

Die Beschlagmontage muss gemäß den Winkhaus Vorschriften erfolgen. Diese Anweisungen können Sie im Produktkatalog activPilot Concept im Kapitel „Montageanleitung“ finden.

Der Beschlag muss mit passenden Schrauben montiert werden (Durchmesser 4,2 mm). Sicherheitsschließbleche müssen in einer Stahlarmierung mit mindestens 1,5 mm Wandstärke verschraubt werden.

Griffolive

Der Beschlag muss mit einer abschließbaren Griffolive ausgestattet werden; eine Griffolive mit Druckknopfbetätigung ist ausschließlich in Kombination mit einbruchhemmender Verglasung zulässig.

Drehlager

In Drehfenstern können SKG-geprüfte Drehlager eingesetzt werden. Diese Aufschraubänder werden nicht von Winkhaus Fenstertechnik geliefert. Bei ihrer Verwendung sind die Montagevorschriften des betreffenden Herstellers zu befolgen. Die in der Beschlagübersicht vorgegebene Anzahl der Verschlusspunkte ist unbedingt einzuhalten.

Kennzeichnung

Wenn alle Vorschriften eingehalten wurden, darf das SKG-Kennzeichen montiert werden.

Der Fensterhersteller bleibt zu jedem Zeitpunkt verantwortlich für das von ihm gelieferte Endprodukt.

Bei Fragen wenden Sie sich bitte an den Zertifikatsinhaber, Aug. Winkhaus GmbH & Co. KG.

Verriegelungsabstände

Die Abstände sind zum Erreichen der, vom Systemgeber zugelassenen maximalen Verriegelungsabstände ggf. durch Hinzufügen weiterer Verschlusspunkte zu optimieren!

Ergänzende Dokumente und Richtlinien

ergänzend zu den, in diesem Dokument beschriebenen Vorgaben zur Herstellung von SKG Fenstern sind die folgende Dokumente und Richtlinien zu berücksichtigen:

- Produktkatalog activPilot Concept
- Produktkatalog activPilot Select
- Produktkatalog duoPort
- allgemeine Produktinformationen activPilot Concept
- Verarbeitungsrichtlinien des Systemgebers

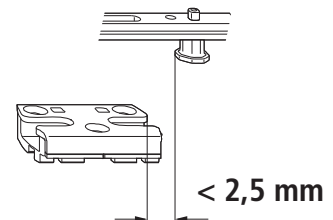


Bild 1: Position des Schließblechs im Rahmenteil

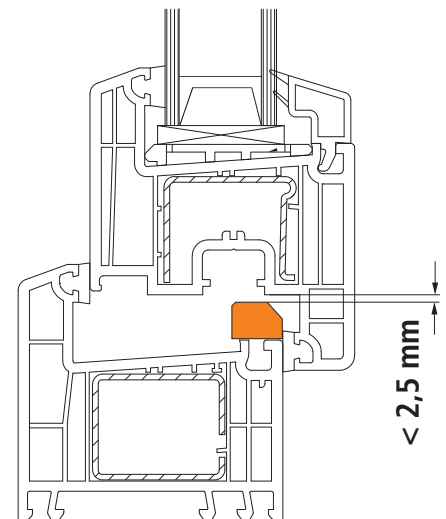


Bild 2: Position des Auflaufes, Luft zwischen Auflauf und Flügelfalzante

Verschraubungen der Beschlagteile

Schraubentabelle

Bauteile	Schrauben	Maß	Vorbohren ø	Anmerkungen
Fensterrahmen* 1	für Bauwerke geeignete Metallschraube	4,8 x min. 38 mm	3,5 mm	
Flügelteile (Getriebebeschienen, Mittverriegelungen, Koppelemente Eckumlenkungen, Oberschienen)	Schrauben (Senkkopf)	4,1 x min. 25 mm		
Rahmenteile (SBS.K..., SBK.K..., SBA.K..., Auflauf,...)	Bohrschrauben (Senkkopf) (Bei SBS.K und SBK.K Schließblechen Verschraubung in der Armierung und in der Profilvorkammer)	4,2 x min. 28 mm 4,2 x min. 40 mm		
Scherenlager	Blechschraben (Senkkopf)	4,2 x min. 40 mm	3,0 mm	Bohrschablone verwenden
Ecklager	Blechschraben (Senkkopf)	4,2 x min. 40 mm	3,0 mm	Bohrschablone verwenden
Flügelager	Blechschraben (Senkkopf)	4,2 x min. 40 mm	3,0 mm	Bohrschablone verwenden
Griffolive	Maschinenschraube (Senkkopf)	M5 x 40		

*1 Schrauben werden in Stahlarmierung (Wandstärke mindestens 1,5 mm) verschraubt.
Schraubtlängen zur Befestigung des Flügelbeschlags und der Schließteile können der Profilsituation angepaßt werden.

Montagepositionen der Aufläufe

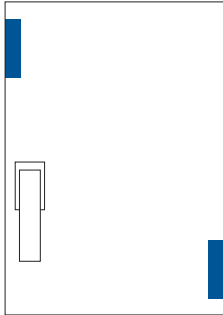


Bild 3:
Position der Aufläufe bei 1-flügeligen Fenstern

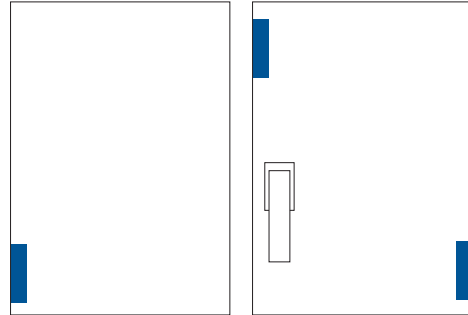
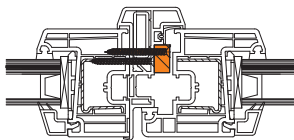


Bild 3:
Position der Aufläufe bei 2-flügeligen Fenstern

Sicherung der Bedienelemente

Getriebe GASM + GASK

Platte SKG



Aluminiumblock
120 x 18 x 10
oder
Aluminiumwinkel
120 x 20 x 10 x 3mm

Befestigung mit
3 Schrauben
4,2 x 40 mm



Getriebe GAM + GAK

Platte SKG



Beschlagübersichten

activPilot Concept

Kapitel B-1

activPilot Select

Kapitel B-2

duoPort

Kapitel B-3

activPilot Comfort ERGO

Kapitel B-4

Erklärung zur Beschlagmatrix

Oberseite
Beschlagteile
Anwendungsbereiche

Concept		innenöffnend, mittiger Griffstz ^{B-1}							
211121		Drehkipfenster							
211721		Drehfenster mit AWRD							
FFB	350 - 370	371 - 600	601 - 800	801 - 1025	1026 - 1250	1251 - 1475	1476 - 1725	V800	
FFH	OS1.600	OS1.600	OS2.800	OS2.1025-1	OS2.1250-1	OS2.1475-1	OS2.1475-1 +ZS+FT		
325 - 510 GAM.800		B:H 4	B:H 4	B:H 5	B:H 5	B:H 5	B:H 6		
511 - 710 GAM.800				B:H 5	B:H 5	B:H 5	B:H 6		
711 - 980 GAM.1050-1					B:H 5	B:H 5	B:H 6	711 - 980 M.500-1	
981 - 1300 GAM.1400-1							B:H 6	981 - 1300 M.500-1	
1301 - 1400 GAM.1400-1							>2,5m ² 8	1301 - 1400 M.750-1	
1401 - 1800 GAM.1800-2							>2,5m ² 9	1401 - 1800 MK.500-1 M.500-1	
1801 - 2300 GAM.2300-3 (2x SBS)			> ,5m ² 8	>2,5m ² 9	>2,5m ² 9	>2,5m ² 9	>2,5m ² 10	1801 - 2300 MK.500-1 MK.500-1 M.500-1	
für Verriegelungsabstände 700 mm Anhang berücksichtigen !									
	350 - 370 M.250-1	371 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1		

Getriebeseite
Beschlagteile
Anwendungsbereiche

Bandseite
Beschlagteile
Anwendungsbereiche

Anzahl der
Sicherheits-
verriegelungen

Unterseite
Beschlagteile
Anwendungsbereiche

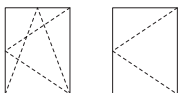
Kennzeichnung Produkthaftung



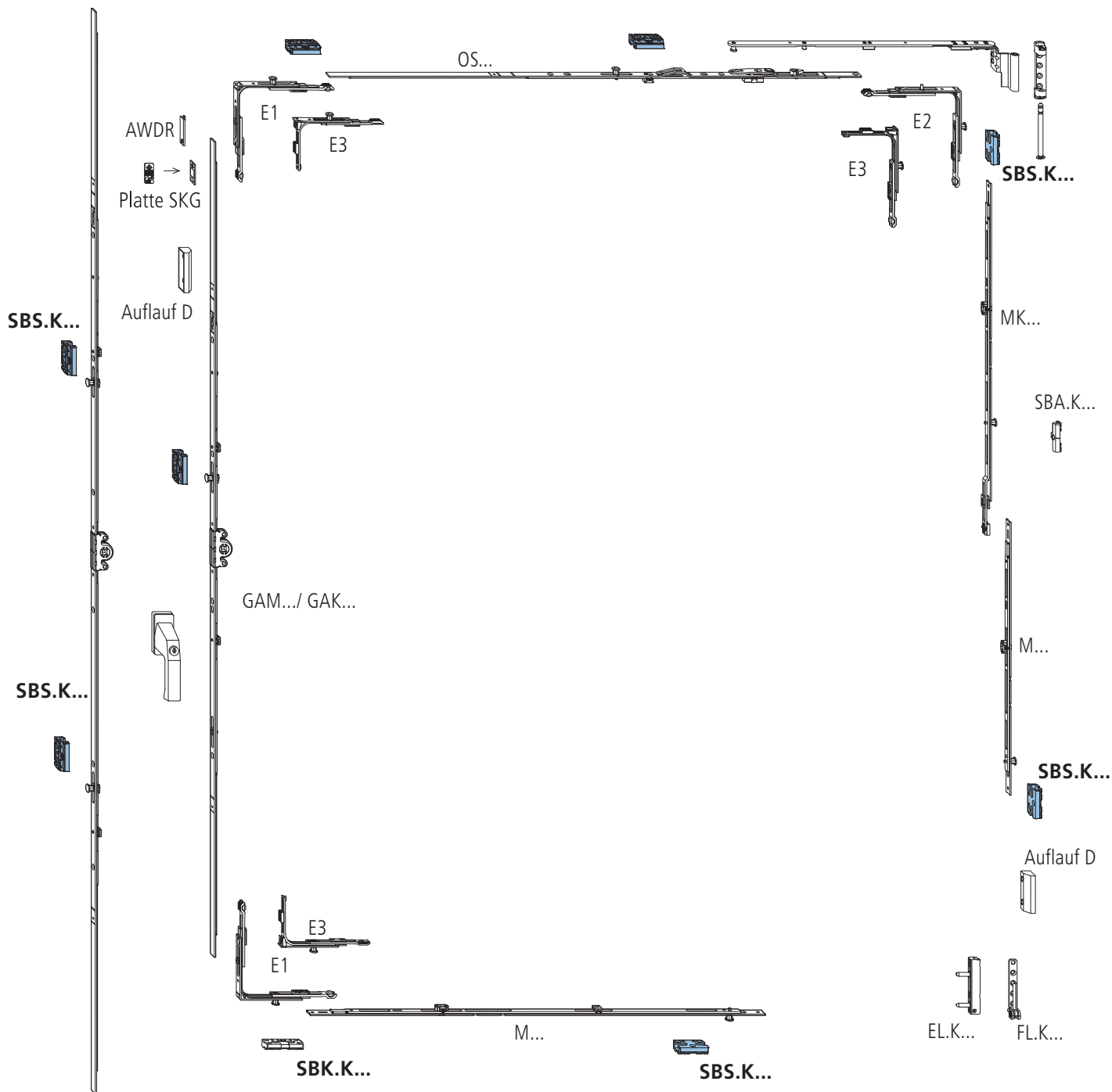
Einholung der Produkthaftung prüfen !
(B:H > 2:1 , Fläche >2,5m²)

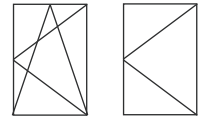
Größe liegt außerhalb der Produkthaftung
(B:H > 2:1 , Fläche >2,5m²)


Für Details ist die Hinweise zur
Produkthaftung aus den Produktkatalogen
unbedingt hinzuzuziehen !

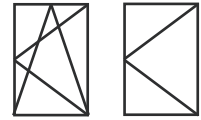



activPilot Concept Dreh- /Drehkipfenster innenöffnend





FFB FFH	350 - 370 OS1.600	371 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1476 - 1725 OS2.1475-1 +ZS+FT	V800* 
325 - 510 GAM.800	X	B:H 4	B:H 4	B:H 5	B:H 5	B:H 5	B:H 6	
511 - 710 GAM.800	4	4	4	B:H 5	B:H 5	B:H 5	B:H 6	
711 - 980 GAM.1050-1	4	4	4	5	B:H 5	B:H 5	B:H 6	711 - 980 M.500-1
981 - 1300 GAM.1400-1	4	4	4	5	5	5	B:H 6	981 - 1300 M.500-1
1301 - 1400 GAM.1400-1	6 [†]	6 [†]	6 [†]	7 [†]	7 [†]	7 [†]	>2,5m ² 8 [†]	1301 - 1400 M.750-1
1401 - 1800 GAM.1800-2	7 [†]	7 [†]	7 [†]	8 [†]	8 [†]	>2,5m ² 8 [†]	>2,5m ² 9 [†]	1401 - 1800 MK.500-1 M.500-1
1801 - 2300 GAM.2300-3 (2x SBS)	8 [†]	8 [†]	> ,5m ² 8 [†]	>2,5m ² 9 [†]	>2,5m ² 9 [†]	>2,5m ² 9 [†]	>2,5m ² 10 [†]	1801 - 2300 MK.500-1 MK.500-1 M.500-1
			*für Verriegelungsabstände 700 mm Anhang berücksichtigen !					
	350 - 370 M.250-1	371 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1	

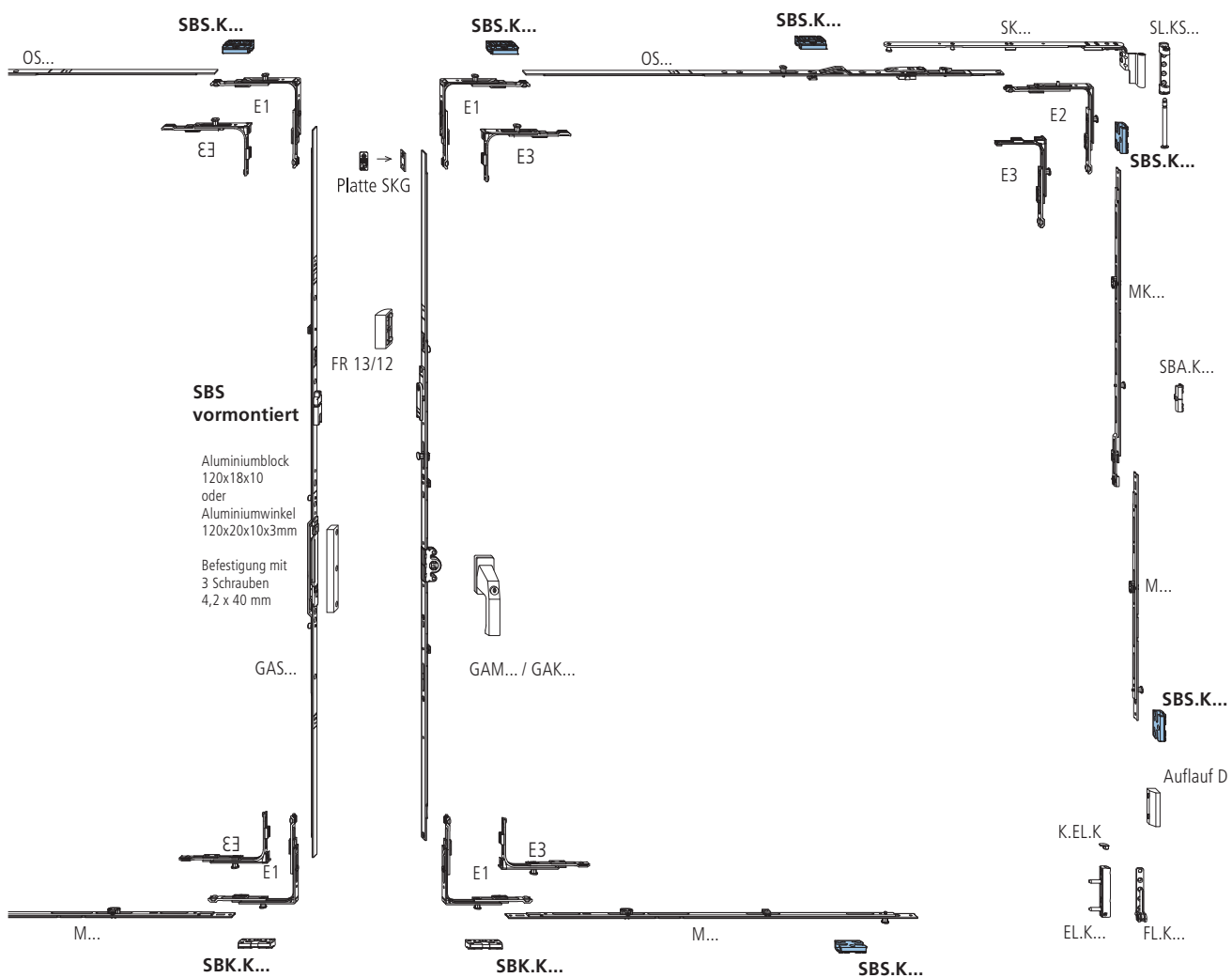


FFB / FFH	350 - 370 OS1.600	371 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1476 - 1725 OS2.1475-1 +ZS+FT	V800* 
230 - 325 GAK.465		B:H 4	B:H 4	B:H 5	B:H 5	B:H 5	B:H 6	
326 - 420 GAK.465	4	B:H 4	B:H 4	B:H 5	B:H 5	B:H 5	B:H 6	
421 - 460 GAK.465	4	4	B:H 4	B:H 5	B:H 5	B:H 5	B:H 6	
461 - 700 GAK.710	4	4	4	B:H 5	B:H 5	B:H 5	B:H 6	
701 - 850 GAK.945-1	4	4	4	5	B:H 5	B:H 5	B:H 6	701 - 850 M.500-1
851 - 1100 GAK.1100-1	4	4	4	5	5	B:H 5	B:H 6	851 - 1100 M.500-1
1100 - 1325 GAK.1325-1	4	4	4	5	5	5	B:H 6	1101 - 1325 M.500-1*
1326 - 1550 GAK.1550-1	6 [†]	6 [†]	6 [†]	7 [†]	7 [†]	7 [†]	8 [†]	1326- 1550 M.750-1*
1551 - 1775 GAK.1775-2	7 [†]	7 [†]	7 [†]	8 [†]	8 [†]	8 [†]	>2,5m ² 9 [†]	1551 - 1775 MK.500-1 M.500-1*
1776 - 2000 GAK.2000-2	7 [†]	7 [†]	7 [†]	8 [†]	8 [†]	>2,5m ² 8 [†]	>2,5m ² 9 [†]	1776 - 2000 MK.500-1* MK.500-1 M.500-1
2001 - 2225 GAK.2225-2	8 [†]	8 [†]	8 [†]	9 [†]	>2,5m ² 9 [†]	>2,5m ² 9 [†]	>2,5m ² 10 [†]	2001 - 2225 MK.500-1* MK.500-1 M.500-1
	350 - 370 M.250-1	371 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1	


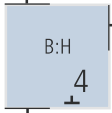
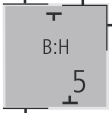
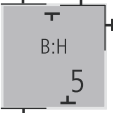
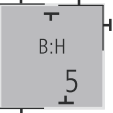
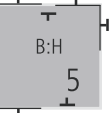
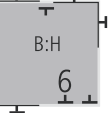
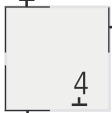
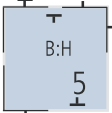
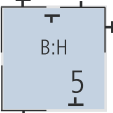
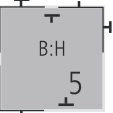
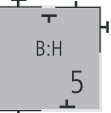
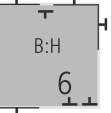
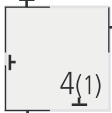
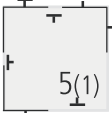
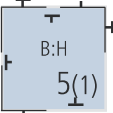
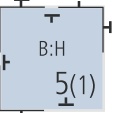
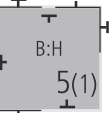
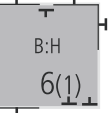
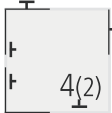
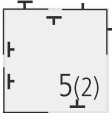
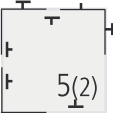
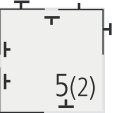
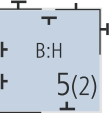
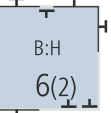
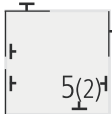
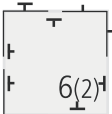
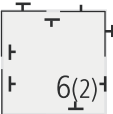
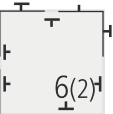
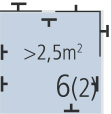
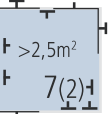
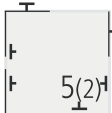
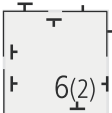
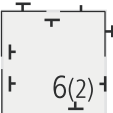
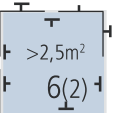
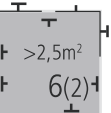
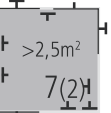
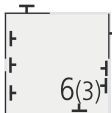
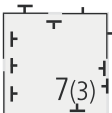
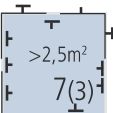
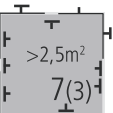
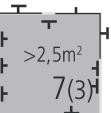
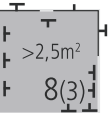
* Verriegelungsabstand 700 mm siehe Anhang !






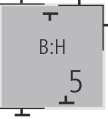
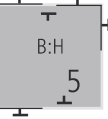
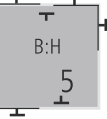
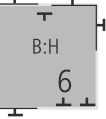


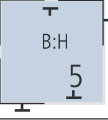

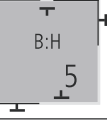
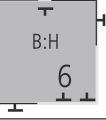



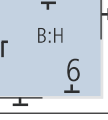
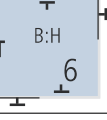
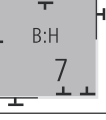

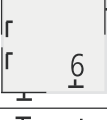
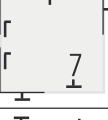
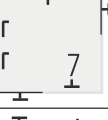
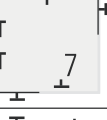
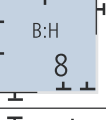
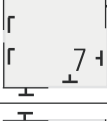
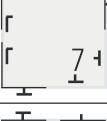
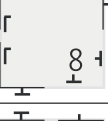
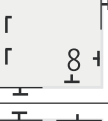
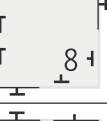
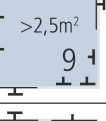

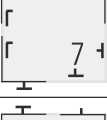
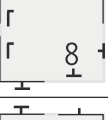
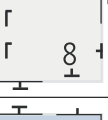
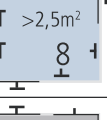
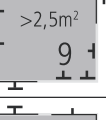


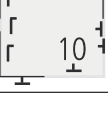
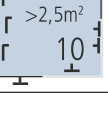
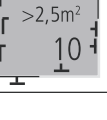
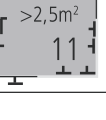
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



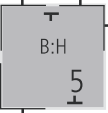
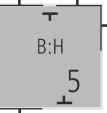
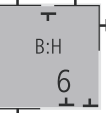


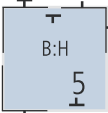
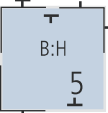
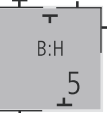
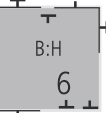
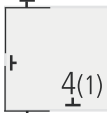
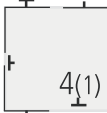
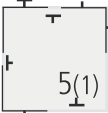
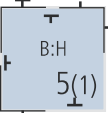
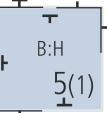
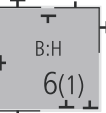
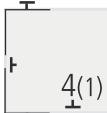
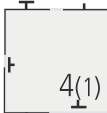
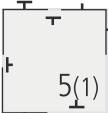
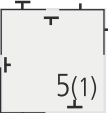
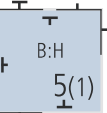
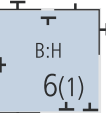
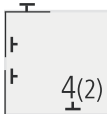
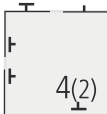
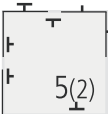
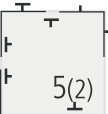
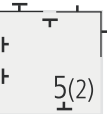
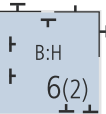
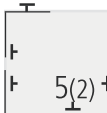
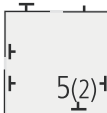
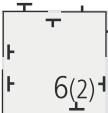
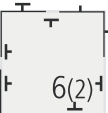
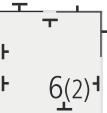
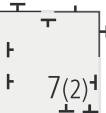
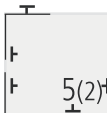
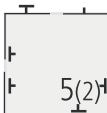
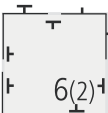
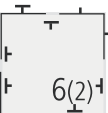
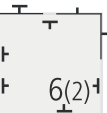
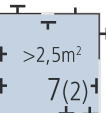
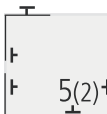
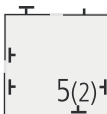
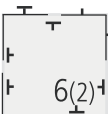
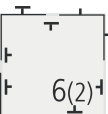
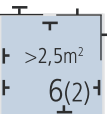
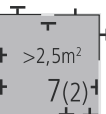
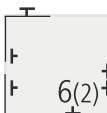

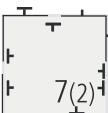
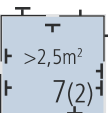
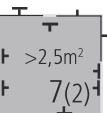
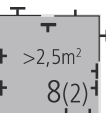


FFB / FFH	370 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1476 - 1725 OS2.1475-1 +ZS+FT	V800* 
410 - 560 GAM.800	 B:H 4	 B:H 5	 B:H 5	 B:H 5	 B:H 5	 B:H 6	
561 - 710 GAM.800	 4	 B:H 5	 B:H 5	 B:H 5	 B:H 5	 B:H 6	
711 - 980 GAM.1050-1	 4(1)	 5(1)	 B:H 5(1)	 B:H 5(1)	 B:H 5(1)	 B:H 6(1)	711 - 980 M.500-1
981 - 1300 GAM.1400-2	 4(2)	 5(2)	 5(2)	 5(2)	 B:H 5(2)	 B:H 6(2)	981 - 1300 M.500-1
1301 - 1400 GAM.1400-2	 5(2)	 6(2)	 6(2)	 6(2)	 >2,5m ² 6(2)	 >2,5m ² 7(2)	1301 - 1400 M.750-1
1401 - 1800 GAM.1800-2	 5(2)	 6(2)	 6(2)	 >2,5m ² 6(2)	 >2,5m ² 6(2)	 >2,5m ² 7(2)	1401 - 1800 MK.500-1 M.500-1
1801 - 2300 GAM.2300-3	 6(3)	 7(3)	 >2,5m ² 7(3)	 >2,5m ² 7(3)	 >2,5m ² 7(3)	 >2,5m ² 8(3)	1801 - 2300 MK.500-1 MK.500-1 M.500-1
* Verriegelungsabstand 700 mm siehe Anhang !							
	370 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1	



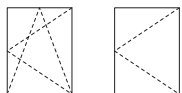
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410 - 460 GASM.800								
461 - 710 GASM.800								
711 - 980 GASM.1050-1							711 - 980 M.500-1	
981 - 1300 GASM.1400-2							981 - 1300 M.500-1	
1301 - 1400 GASM.1400-2							1301 - 1400 M.750-1	
1401 - 1800 GASM.1800-2							1401 - 1800 MK.500-1 M.500-1	
1801 - 2300 GASM.2300-3							1801 - 2300 MK.500-1 MK.500-1 M.500-1	
			* Verriegelungsabstand 700 mm siehe Anhang !					
	370 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1		



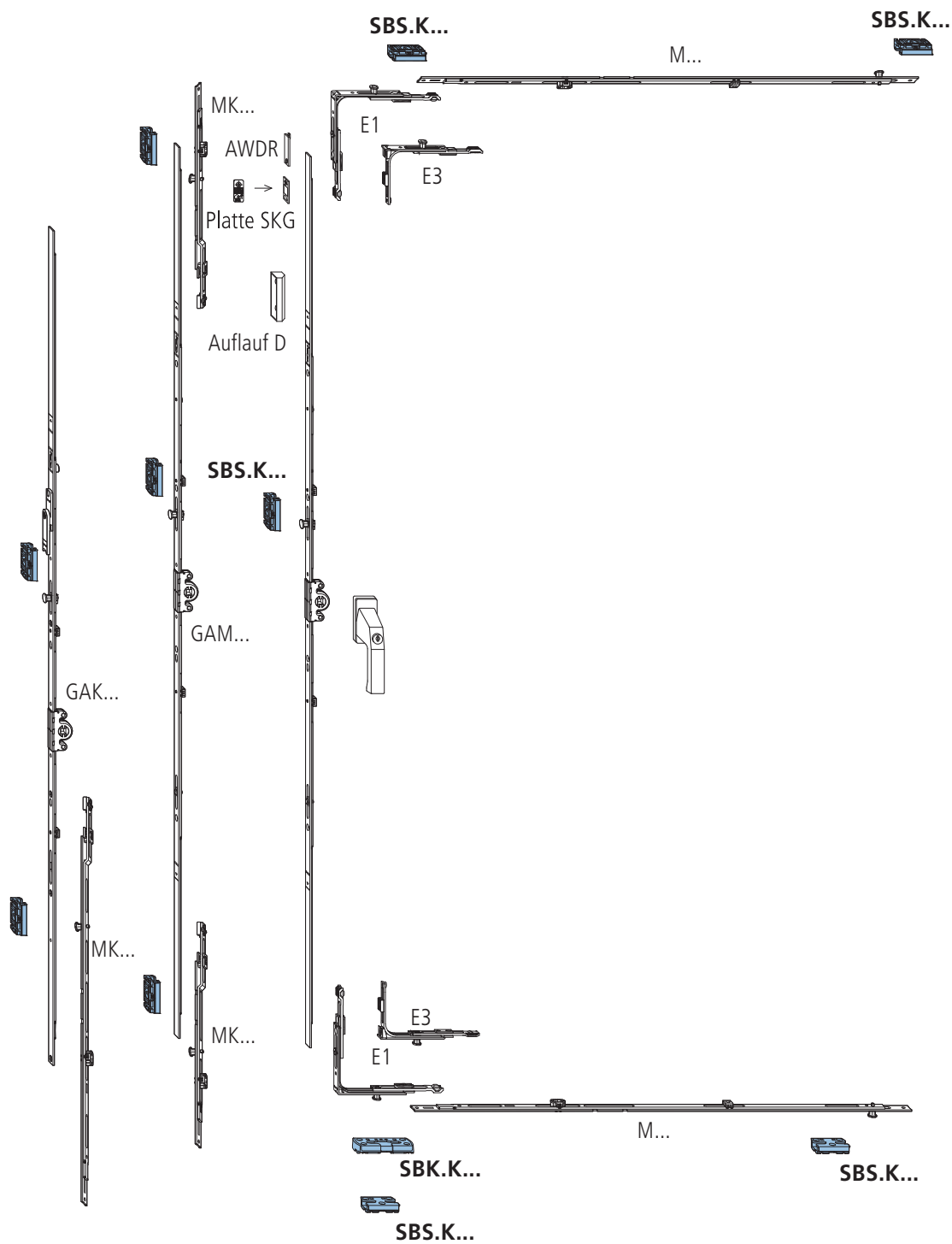
FFB / FFH	370 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1476 - 1725 OS2.1475-1 +ZS+FT	V800* 
450 - 46 GAK.465							
461 700 GAK.710							
701 - 850 GAK.945-1							696 - 850 M.500-1
851 - 1100 GAK.1100-1							851 - 1075 M.500-1
1101 - 1325 GAK.1325-2							1076 - 1325 M.500-1
1326 - 1550 GAK.1550-2							1326 - 1550 M.750-1
1551 - 1775 GAK.1775-2							1551 - 1775 MK.500-1 M.500-1
1776 - 2000 GAK.2000-2							1776 - 2000 MK.500-1 MK.500-1 M.500-1
2001 - 2225 GAK.2225-2							2001 - 2225 MK.500-1 MK.500-1 M.500-1
			* Verriegelungsabstand 700 mm siehe Anhang !				
	370 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1	



FFB / FFH	370 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1476 - 1725 OS2.1475-1 +ZS+FT	V800*
450 - 460 GASK.710							
461 - 700 GASK.710							
701 - 850 GASK.945-1							696 - 850 M.500-1
851 - 1100 GASK.1100-1							851 - 1075 M.500-1
1101 - 1325 GASK.1325-2							1076 - 1325 M.500-1
1326 - 1550 GASK.1550-2							1326 - 1550 M.750-1
1551 - 1775 GASK.1775-2							1551 - 1775 MK.500-1 M.500-1
1776 - 2000 GASK.2000-2							1776 - 2000 MK.500-1 MK.500-1 M.500-1
2001 - 2225 GASK.2225-2							2001 - 2225 MK.500-1 MK.500-1 M.500-1
			* Verriegelungsabstand 700 mm siehe Anhang !				
	370 - 600 M.250-1	601 - 800 M.500-1	801 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1	



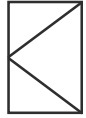
activPilot Concept Drehfenster mit Bändern innen- und außen öffnend





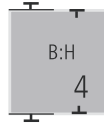


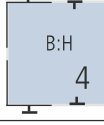

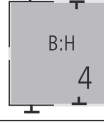
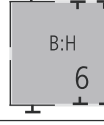




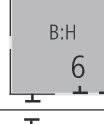




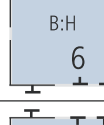





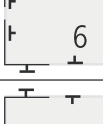
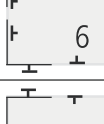


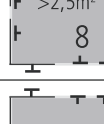
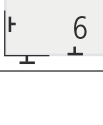
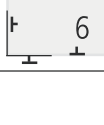
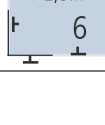
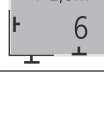
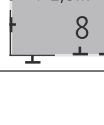


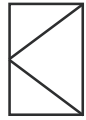
SKG geprüfte Bänder


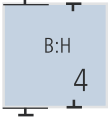
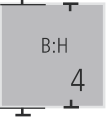




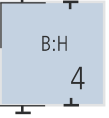




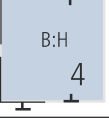
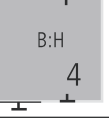
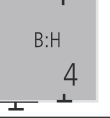


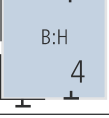
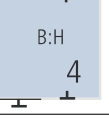
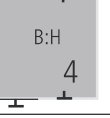


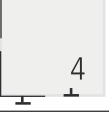
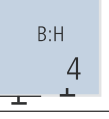
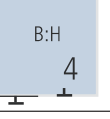
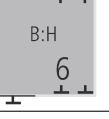
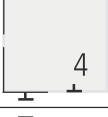

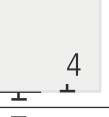
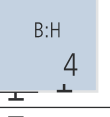
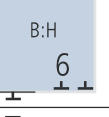


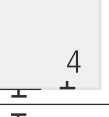
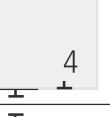
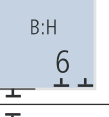


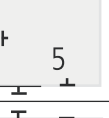
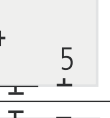
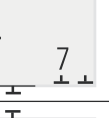
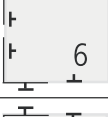
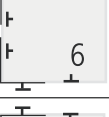
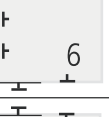
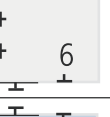
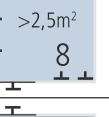
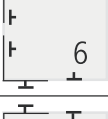
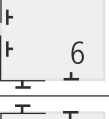
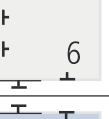
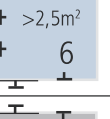
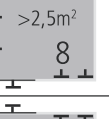

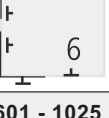
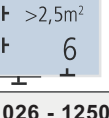
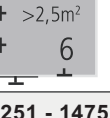
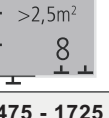
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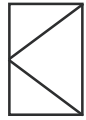





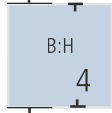
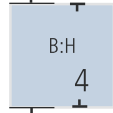
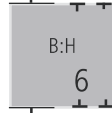
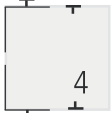
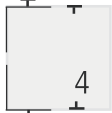
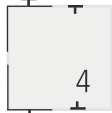
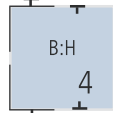
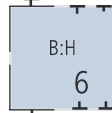
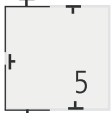
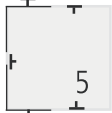
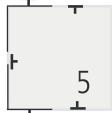
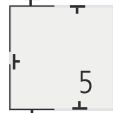
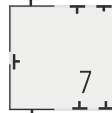
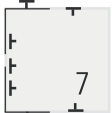
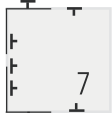
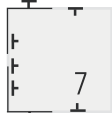
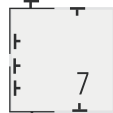
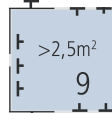
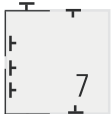
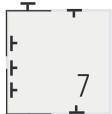
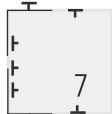
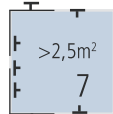
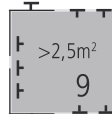
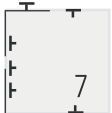
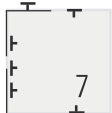
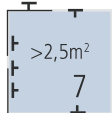
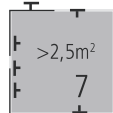
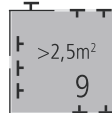



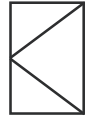
FFB \ FFH	350 - 600	601 - 1025	1026 - 1250	1251 - 1475	1476 - 1725			V800* 
	M.250-1	M.500-1	M.750-1	MK.500-1 M.500-1	MK.500-1 M.750-1			
325 - 510 GAM.800	 B:H 4	 B:H 4	 B:H 4	 B:H 4	 B:H 6			SKG geprüfte Bänder
511 - 710 GAM.800		 B:H 4	 B:H 4	 B:H 4	 B:H 6			
711 - 980 GAM.1050-1				 B:H 4	 B:H 6			
981 - 1300 GAM.1400-1					 B:H 6			
1301 - 1400 GAM.1400-1					 >2,5m ² 7			
1401 - 1800 GAM.1800-2				 >2,5m ² 6	 >2,5m ² 8			
1801 - 2300 GAM.2300-3 (2x SBS)			 >2,5m ² 6	 >2,5m ² 6	 >2,5m ² 8			
			* Verriegelungsabstand 700 mm siehe Anhang !					
	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1			






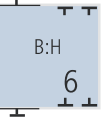


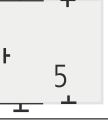
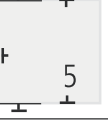
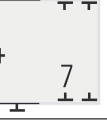

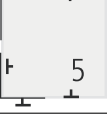
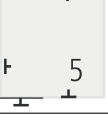
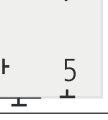
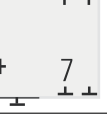


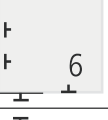
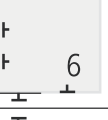
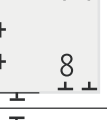

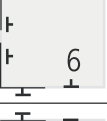
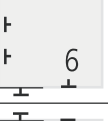
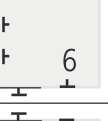
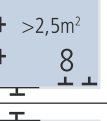

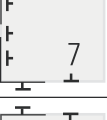
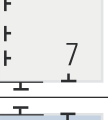
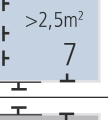
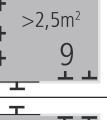

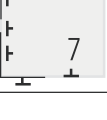
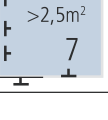
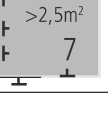
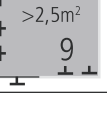


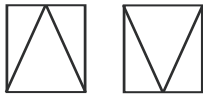
FFB / FFH	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1476 - 1725 MK.500-1 M.750-1			V800* 
230 - 325 GAK.465								
326 - 420 GAK.465								
421 - 460 GAK.465								
461 - 700 GAK.710								SKG geprüfte Bänder
701 - 850 GAK.945-1								
851 - 1100 GAK.1100-1								
1101 - 1325 GAK.1325-1								
1326 - 1550 GAK.1550-1								
1551 - 1775 GAK.1775-2								
1776 - 2000 GAK.2000-2								
2001 - 2225 GAK.2225-2						* Verriegelungsabstand 700 mm siehe Anhang !		
	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1			



FFB / FFH	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1476 - 1725 MK.500-1 M.750-1			V800* 
700 - 900 GAM.1400-1								SKG geprüfte Bänder
901 - 1300 GAM.1400-1								
1301 - 1400 GAM.1400-1								
1401 - 1800 MK.250-1 GAM.1400-1 MK.250-1								
1801 - 1900 MK.250-1 GAM.1400-1 MK.250-1								
1901 - 2300 MK.250-1 GAM.1400-1 MK.250-1								
	Dornmaß des Getriebes entsprechend Profil- situation auswählen ! (> D15,5)							
			* Verriegelungsabstand 700 mm siehe Anhang !					
	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1			



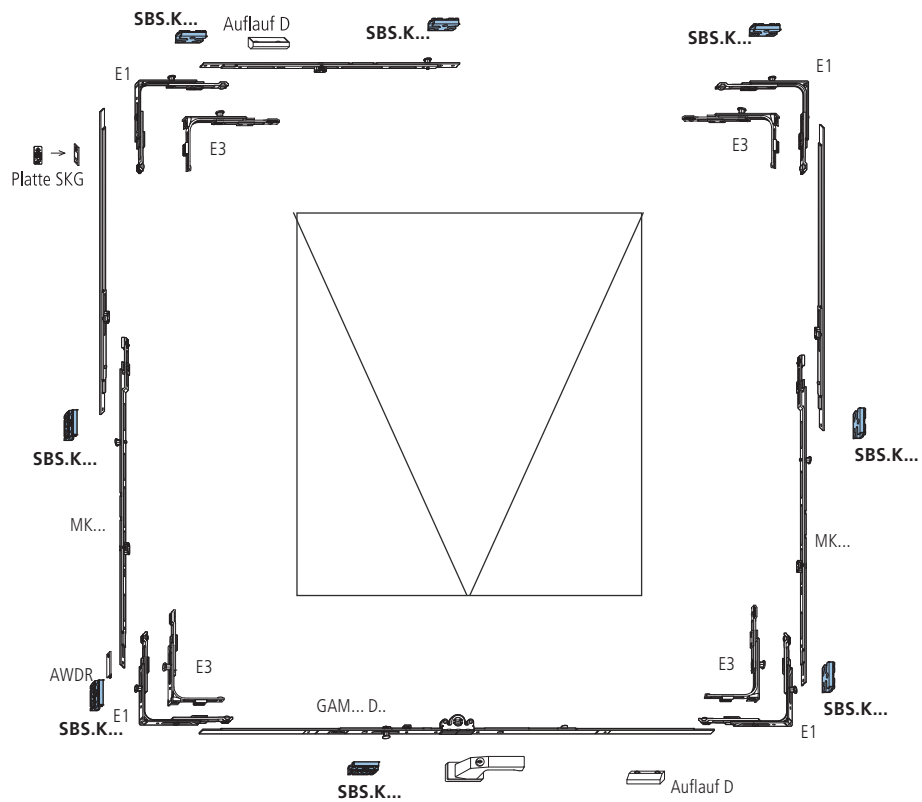
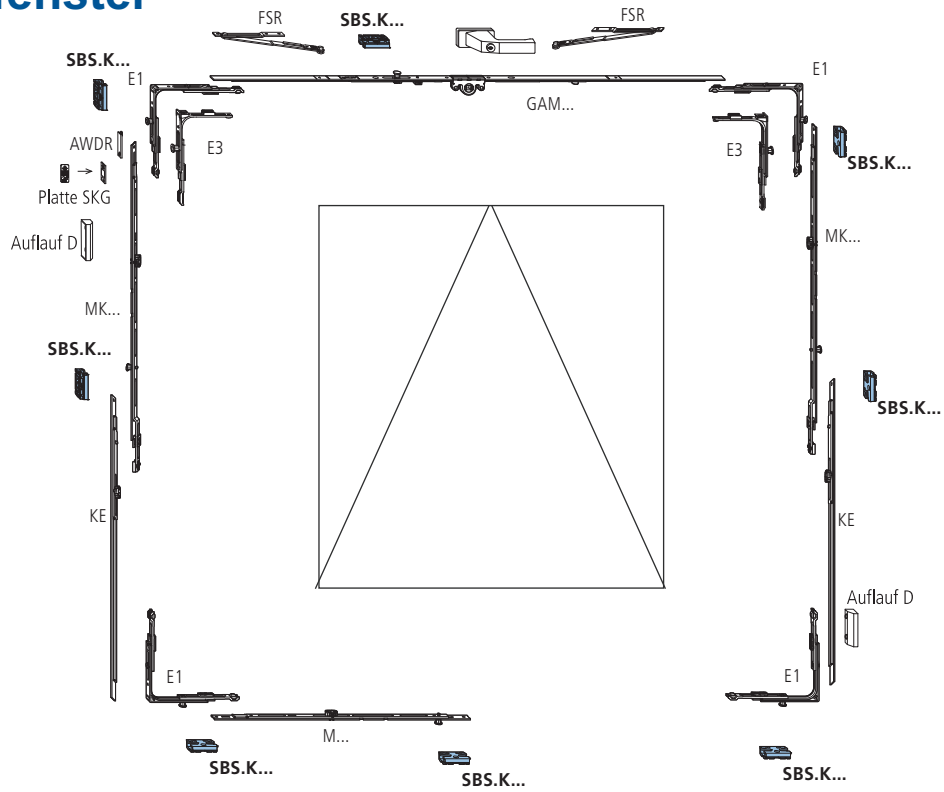
FFB / FFH	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1476 - 1725 MK.500-1 M.750-1			V800* 
975 - 1075 GAK.1325-1								
1076 - 1325 GAK.1325-1								SKG geprüfte Bänder
1326 - 1575 MK.250-1 GAK.1325-1								
1576 - 1775 MK.500-1 GAK.1325-1								
1776 - 1825 GAK.1325-1 MK.500-1								
1826 - 2075 MK.250-1 GAK.1325-1 MK.500-1								
2076 - 2225 MK.500-1 GAK.1325-1 MK.500-1								
	<div style="border: 2px solid black; padding: 5px;"> Dornmaß des Getriebes entsprechend Profil- situation auswählen ! (> D15,5) </div>							
						* Verriegelungsabstand 700 mm siehe Anhang !		
	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1			

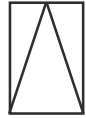



activPilot Concept

Kippfenster


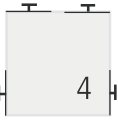
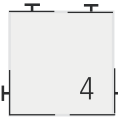
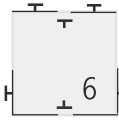
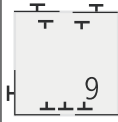
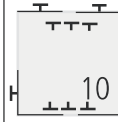
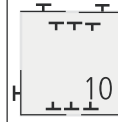
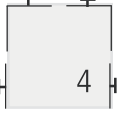
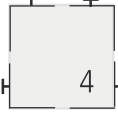
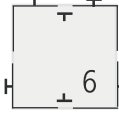
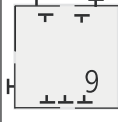
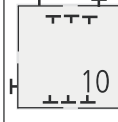
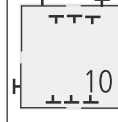
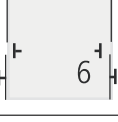
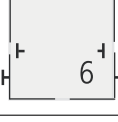
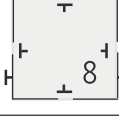
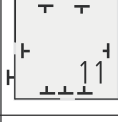
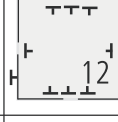
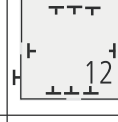
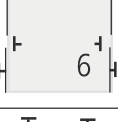
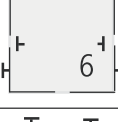
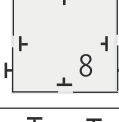
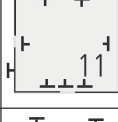
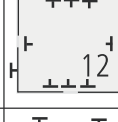
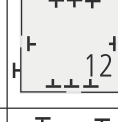
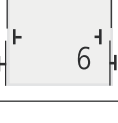
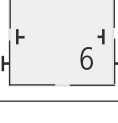
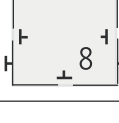
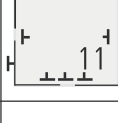
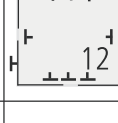
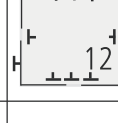
Klappfenster

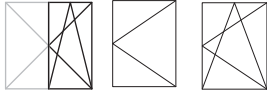




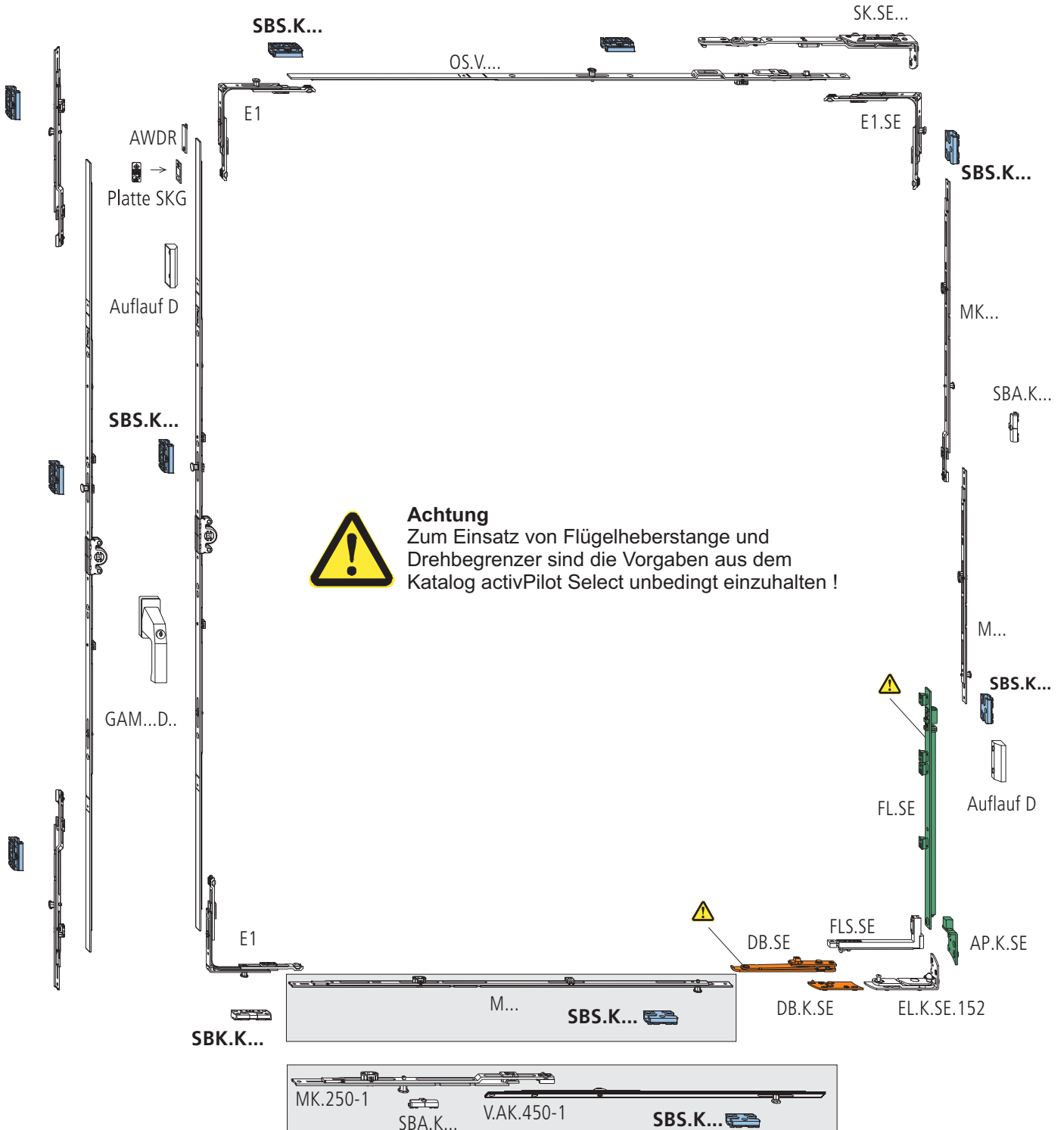
FFB / FFH		325 - 510 GAM.800 FSR	511 - 710 GAM.800 FSR	711- 980 GAM.1050-1 FSR	981 - 1300 GAM.1400-1 FSR	1301 - 1400 GAM.1400-1 FSR	1401 - 1800 GAM.1800-2 2x FSR	1801 - 2300 GAM.2300-3 2x FSR	V800* 
360 - 460 KE								360 - 460 KE	
461 - 710 KE								461 - 710 KE	
711 - 960 KE MK.250-1								711 - 960 KE MK.250-1	
961 - 1210 KE MK.500-1								961 - 1210 KE MK.500-1	
1211 - 1450 KE M.750-1								1211 - 1450 KE M.750-1	
							* Verriegelungsabstand 700 mm siehe Anhang !		
		325 - 510	511 - 710	711- 980 M.500-1	981 - 1300 M.500-1	1301 - 1400 M.750-1	1401 - 1800 MK.500-1 M.500-1*	1801 - 2300 MK.500-1 MK.500-1 M.500-1	






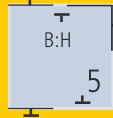
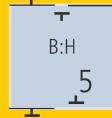
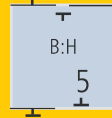

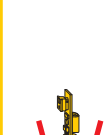

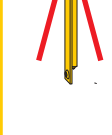


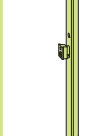

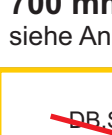



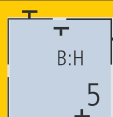
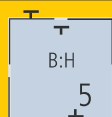
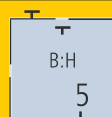
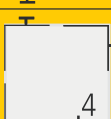

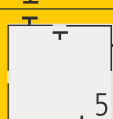
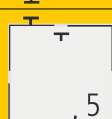
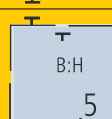
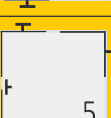
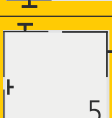








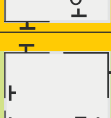
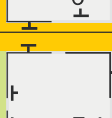
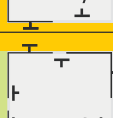
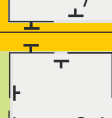
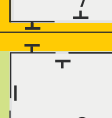
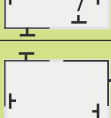
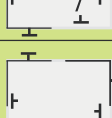
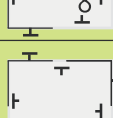
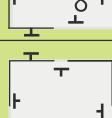
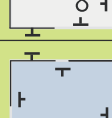
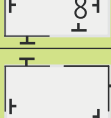
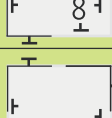
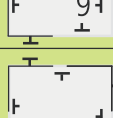
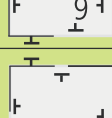
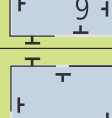


FFB / FFH	710 - 900 M.500-1	901 - 1300 M.500-1	1301 - 1400 M.750-1	1401 - 1800 MK.500-1 M.500-1	1801 - 1900 MK.500-1 MK.500-1 M.500-1	1901 - 2300 MK.500-1 MK.500-1 M.500-1	V800* 	
360 - 460 KE							360 - 460 KE	
461 - 710 KE							461 - 710 KE	
711 - 960 KE MK.250-1							711 - 960 KE MK.250-1	
961 - 1210 KE MK.500-1							961 - 1210 KE MK.500-1	
1211 - 1450 KE M.750-1							1211 - 1450 KE M.750-1	
					* Verriegelungsabstand 700 mm siehe Anhang !			
		<div style="border: 2px solid black; padding: 5px; display: inline-block;"> Dornmaß des Getriebes entsprechend Profil- situation auswählen ! (> D15,5) </div>						
	710 - 900 GAM.1400-1	901 - 1300 GAM.1400-1	1301 - 1400 GAM.1400-1	1401 - 1800 MK.250-1 GAM.1400-1 MK.250-1	1801 - 1900 MK.250-1 GAM.1400-1 MK.250-1	1901 - 2300 MK.500-1 GAM.1400-1 MK.500-1		



activPilot Select Dreh- Drehkipppfenster innen / außenöffnend

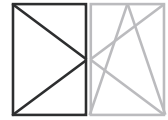




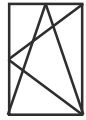
FFB / FFH	485 - 550 OS.SE.550 Startmaß unten beachten !	551 - 800 OS.SE.800	801 - 1025 OS.SE.1025-1	1026 - 1250 OS.SE.1250-1	1251 - 1475 OS.SE.1475-1		V800* 	
325 - 510 GAM.800						        FFH > 1500  DB.SE 		
510 - 710 GAM.800								
711 - 980 GAM.1050-1								711 - 980 M.500-1
981 - 1300 GAM.1400-1								981 - 1300 M.500-1
1301 - 1400 GAM.1400-1								1300 - 1400 M.750-1
1401 - 1800 GAM.1800-2								1401 - 1800 MK.500-1 M.500-1
1801 - 2000 GAM.2300-3 (2x SBS)								1801 - 2000 MK.500-1 M.750-1
2001 - 2300 GAM.2300-3 (2x SBS)							2001 - 2300 MK.500-1 MK.500-1 M.500-1	
						* Verriegelungsabstand 700 mm siehe Anhang !		
ohne Drehbegrenzer	485* - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1		 DB.SE		
mit Drehbegrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1	 DB.SE		
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1			



FFB	485* - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475			V800*
FFH	Startmaß unten beachten !							
410 - 560 GAM.800								
560 - 710 GAM.800								
711 - 980 GAM.1050-1								711 - 980 M.500-1
981 - 1300 GAM.1400-2								981 - 1300 M.500-1
1301 - 1400 GAM.1400-2								1300- 1400 M.750-1
1401 - 1800 GAM.1800-2							FFH > 1500	1401 - 1800 MK.500-1 M.500-1
1801 - 2000 GAM.2300-3								1801 - 2000 MK.500-1 M.750-1
2001 - 2300 GAM.2300-3						2001 - 2300 MK.500-1 MK.500-1 M.500-1		
						* Verriegelungsabstand 700 mm siehe Anhang !		
ohne Dreh- begrenzer	485* - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1				
mit Dreh- begrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1			
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1			




FFB	485* - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475			V800*
FFH	Startmaß unten beachten !							
410 - 560 GASM.800								
561 - 710 GASM.800								
711 - 980 GASM.1050-1								711 - 980 M.500-1
981 - 1300 GASM.1400-2								981 - 1300 M.500-1
1301 - 1400 GASM.1400-2								1300 - 1400 M.750-1
1401 - 1800 GASM.1800-2							FFH > 1500	1401 - 1800 MK.500-1 M.500-1
1801 - 2000 GASM.2300-3								1801 - 2000 MK.500-1 M.750-1
2001 - 2300 GASM.2300-3						2001 - 2300 MK.500-1 MK.500-1 M.500-1		
							* Verriegelungsabstand 700 mm siehe Anhang !	
ohne Drehbegrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1				
mit Drehbegrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1			
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1			



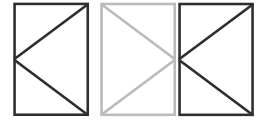
FFB FFH	485 - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475	V800*	
	OS.SE.550 Startmaß unten beachten !	OS.SE.800	OS.SE.1025-1	OS.SE.1250-1	OS.SE.1475-1		
420- 460 GAK.465						*Verriegelungsabstand 700 mm siehe Anhang ! FFH > 1500 DB.SE	
461 - 700 GAK.710							
701 - 850 GAK.945-1							
851 - 1100 GAK.1100-1							851 -1075 M.500-1
1101 - 1325 GAK.1325-1							1076- 1325 M.750-1
1326 - 1550 GAK.1550-1							1326- 1550 M.750-1
1551 - 1775 GAK.1775-2							1551 - 1775 MK.500-1 M.500-1
1776 - 2000 GAK.2000-2						1776 - 2000 MK.500-1 M.750-1	
2001 - 2225 GAK.2225-2						2001 - 2225 MK.500-1 MK.500-1 M.500-1	
ohne Dreh- begrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1			
mit Dreh- begrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1	 DB.SE	
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1		



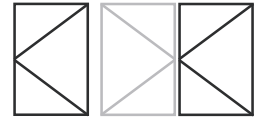
FFB FFH	485 - 550 OS.SE.550 Startmaß unten beachten !	551 - 800 OS.SE.800	801 - 1025 OS.SE.1025-1	1026 - 1250 OS.SE.1250-1	1251 - 1475 OS.SE.1475-1	V800* 	
450 - 460 GAK.465						<p>*Verriegelungsabstand 700 mm siehe Anhang !</p> 	
461 - 700 GAK.710							
701 - 850 GAK.945-1							
851 - 1100 GAK.1100-1							851 - 1075 M.500-1
1101 - 1325 GAK.1325-2							1076 - 1325 M.750-1
1326 - 1550 GAK.1550-2							1326 - 1550 M.750-1
1551 - 1775 GAK.1775-2							FFH > 1500 1551 - 1775 MK.500-1 M.500-1
1776 - 2000 GAK.2000-2							1776 - 2000 MK.500-1 M.750-1
2001 - 2225 GAK.2225-2						2001 - 2225 MK.500-1 MK.500-1 M.500-1	
ohne Drehbegrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1			
mit Drehbegrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1	DB.SE 	
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1		




FFB / FFH	485 - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475		V800*
	OS.SE.550 Startmaß unten beachten !	OS.SE.800	OS.SE.1025-1	OS.SE.1250-1	OS.SE.1475-1		
450 - 460 GASK.710						 *Verriegelungsabstand 700 mm siehe Anhang !	
461 - 700 GASK.710							
701 - 850 GASK.945-1							
851 - 1100 GASK.1100-1							851 - 1075 M.500-1
1101 - 1325 GASK.1325-2							1076 - 1325 M.750-1
1326 - 1550 GASK.1550-2						1326 - 1550 M.750-1	
1551 - 1775 GASK.1775-2						FFH > 1500	1551 - 1775 MK.500-1 M.500-1
1776 - 2000 GASK.2000-2						 DB.SE	1776 - 2000 MK.500-1 M.750-1
2001 - 2225 GASK.2225-2							2001 - 2225 MK.500-1 MK.500-1 M.500-1
ohne Drehbegrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1		 DB.SE	
mit Drehbegrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1	 DB.SE	
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1		





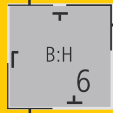
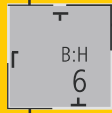





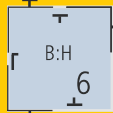
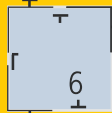



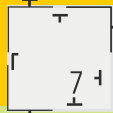
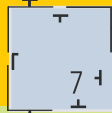
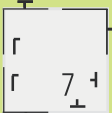

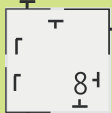
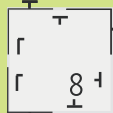
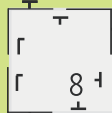
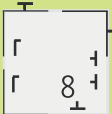
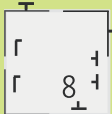
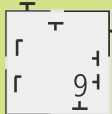
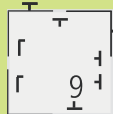
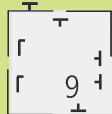
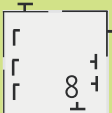

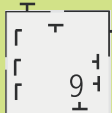
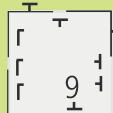
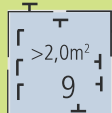
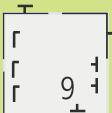
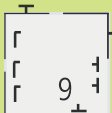
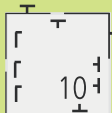
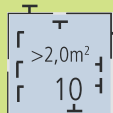
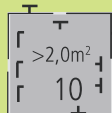




FFB	485 - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475			V800*
FFH	Startmaß unten beachten !							
700 - 900 GAM.1400-1								711 - 980 M.500-1
901 - 1300 GAM.1400-1								981 - 1300 M.500-1
1301 - 1400 GAM.1400-1								1300 - 1400 M.750-1
1401 - 1800 MK.250-1 GAM.1400-1 MK.250-1							FFH > 1500	1401 - 1800 MK.500-1 M.500-1
1801 - 1900 MK.250-1 GAM.1400-1 MK.250-1								1801 - 2000 MK.500-1 M.750-1
1901 - 2300 MK.250-1 GAM.1400-1 MK.250-1						DB.SE	2001 - 2300 MK.500-1 MK.500-1 M.500-1	
	Dornmaß des Getriebes entsprechend Profil- situation auswählen ! (> D15,5)							
								* Verriegelungsabstand 700 mm siehe Anhang !
ohne Dreh- begrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1				
mit Dreh- begrenzer	565 - 810 M.250-1	811 - 1060 M.500-1	→	1061 - 1310 M.750-1	1310 - 1475 MK.500-1 M.500-1			
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1			



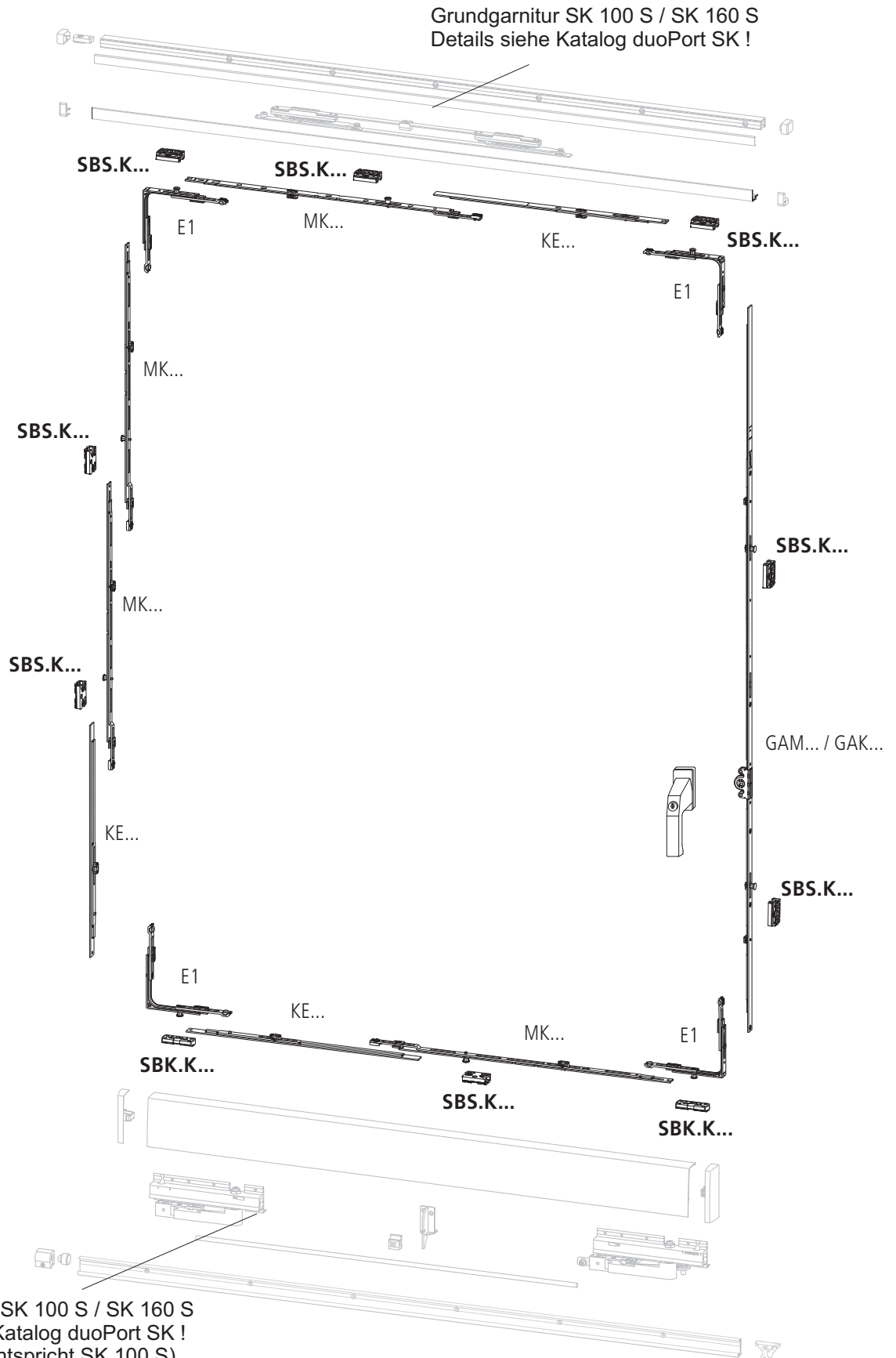
FFB FFH	485 - 550 OS.SE.550	551 - 800 OS.SE.800	801 - 1025 OS.SE.1025-1	1026 - 1250 OS.SE.1250-1	1251 - 1475 OS.SE.1475-1			V800* 
975 - 1075 GAK.1325-1								975 - 1075 M.500-1
1076 - 1325 GAK.1325-1								1076 - 1325 M.750-1
1326 - 1575 MK.250-1 GAK.1325-1								1326 - 1550 M.750-1
1576 - 1775 MK.500-1 GAK.1325-1							FFH > 1500	1551 - 1775 MK.500-1 M.500-1
1776 - 1825 GAK.1325-1 MK.500-1								1776 - 2000 MK.500-1 M.750-1
1826 - 2075 MK.250-1 GAK.1325-1 MK.500-1								2001 - 2075 MK.500-1 MK.500-1 M.500-1
2076 - 2225 MK.500-1 GAK.1325-1 MK.500-1								2076 - 2225 MK.500-1 MK.500-1 M.500-1
	Dornmaß des Getriebes entsprechend Profil- situation auswählen ! (> D15,5)							* Verriegelungsabstand 700 mm siehe Anhang !
ohne Dreh- begrenzer	485* - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1				
mit Dreh- begrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1			
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1			



FFB		485 - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475		V800*	
FFH		Startmaß unten beachten !							
975 - 1075 GASK.1325-1*								975 - 1075 M.500-1	
	1076 - 1325 GASK.1325-1*								1076 - 1325 M.750-1
		1326 - 1575 MK.SO.250-1 GASK.1325-1*							
	1576 - 1775 MK.SO.500-1 GASK.1325-1*								FFH > 1500 1551 - 1775 MK.500-1 M.500-1
		1776 - 1825 GASK.1325-1* MK.SU.500-1							1776 - 2000 MK.500-1 M.750-1
	1826 - 2075 MK.SO.250-1 GASK.1325-1* MK.SU.500-1								2001 - 2075 MK.500-1 MK.500-1 M.500-1
		2076 - 2225 MK.SO.500-1 GASK.1325-1* MK.SU.500-1							2076 - 2225 MK.500-1 MK.500-1 M.500-1
						* Verriegelungsabstand 700 mm siehe Anhang !			
ohne Drehbegrenzer	485 - 700 M.250-1	701 - 1025 M.500-1	→	1026 - 1250 M.750-1					
mit Drehbegrenzer	570 - 815 M.250-1	816 - 1065 M.500-1	→	1066 - 1315 M.750-1	MK.500-1 M.500-1				
	600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	→	1101 - 1350 MK.500-1 V.AK.450-1	MK.750-1 V.AK.450-1				

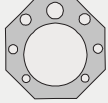
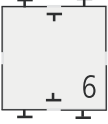
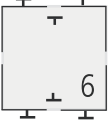
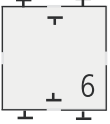
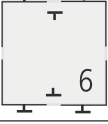
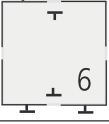
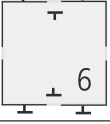
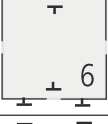
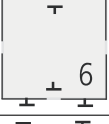
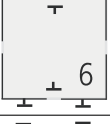
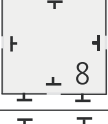
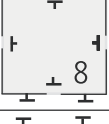
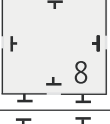
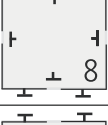
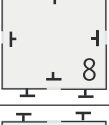
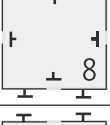
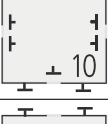
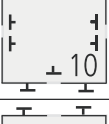
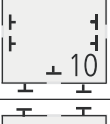
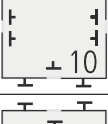
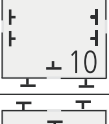
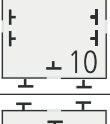
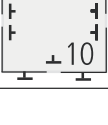
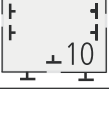
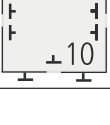


duoPort SK 100 S / SK 160 S





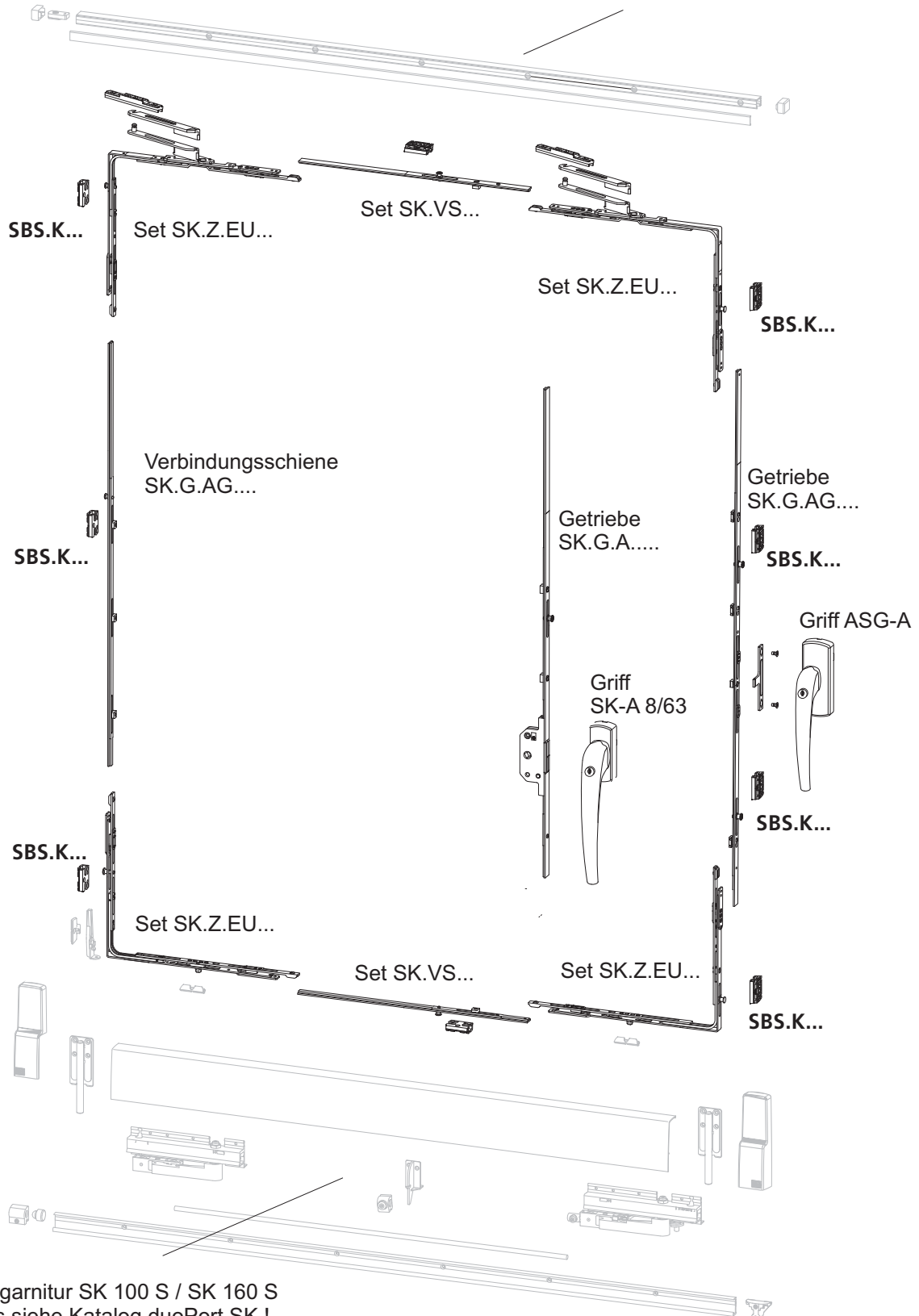
Schiebekippfenster SK 100 S
SK 160 S

FFB FFH	710 - 960 KE MK.250-1	961 - 1210 KE MK.500-1	1211 - 1460 KE MK.750-1					
510 - 710 GAM.800								650 - 710 KE
711 - 980 GAM.1050-1								710 - 960 KE MK.250-1
981 - 1300 GAM.1400-2								961 - 1210 KE MK.500-1 (SBS ab 1076)
1301 - 1400 GAM.1400-2								1211 - 1460 KE MK.750-1
1401 - 1800 GAM.1800-2								1461 - 1710 KE MK.500-1 MK.500-1
1801 - 2000 GAM.2300-3								1711 - 1960 KE MK.500-1 MK.750-1
2001 - 2300 GAM.2300-3 (2x SBS)								1961 - 2210 KE MK.750-1 MK.750-1
2001 - 2300 GAM.2300-3 (2x SBS)								2211 - 2225 KE MK.500-1 MK.500-1 MK.750-1
	710 - 960 KE MK.250-1	961 - 1210 KE MK.500-1	1211 - 1460 KE MK.750-1					



duoPort SK 160 Z / SK 200 Z

Grundgarnitur SK 160 Z / SK 200 Z
Details siehe Katalog duoPort SK !



Grundgarnitur SK 100 S / SK 160 S
Details siehe Katalog duoPort SK !
(Darstellung entspricht SK 160 Z)

duoPort

mittiger Griffsitz

422111

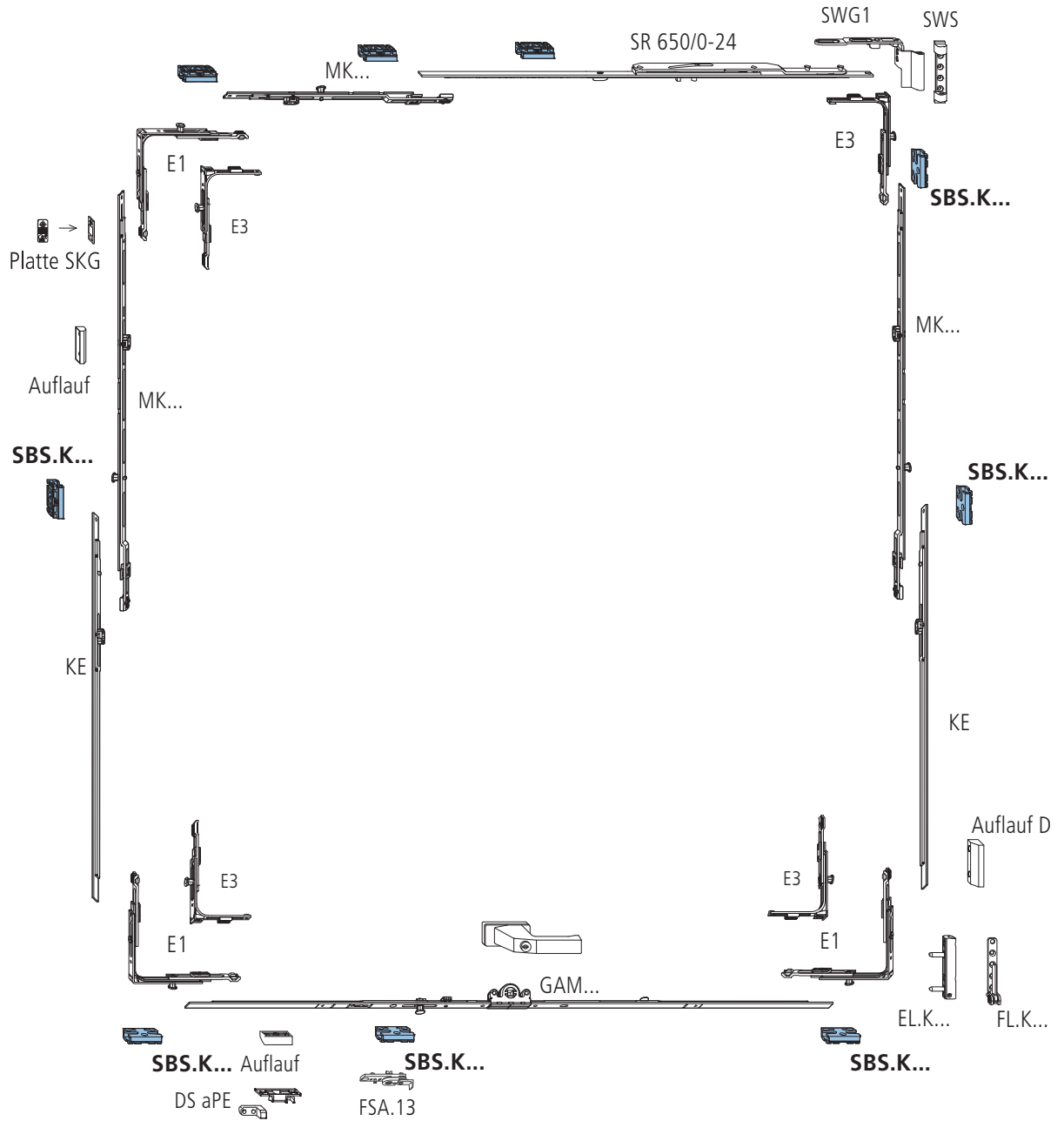


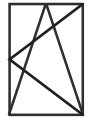
**Schiebekippfenster SK 160 Z
SK 200 Z**

FFB	720 - 1050	1051 - 1250	1251 - 1450	1451 - 1650	1651 - 1850	1851 - 2000		
	SK.VS.1050-1	SK.VS.1250-1	SK.VS.1450-1	SK.VS.1650-2	SK.VS.1850-2	SK.VS.2000-2		
FFH								
900 - 1100 SK.G.X.1100-0								900 - 1100 SK.G.X.1100-0
1100 - 1300 SK.G.X.1300-1								1100 - 1300 SK.G.X.1300-1
1301 - 1500 SK.G.X.1500-2								1301 - 1500 SK.G.X.1500-2
1501 - 1700 SK.G.X.1700-2								1501 - 1700 SK.G.X.1700-2
1701 - 1900 SK.G.X.1900-2								1701 - 1900 SK.G.X.1900-2
1901 - 2100 SK.G.X.2100-2								1901 - 2100 SK.G.X.2100-2
2101 - 2300 SK.G.X.2300-2								2101 - 2300 SK.G.X.2300-2
2301 - 2400 SK.G.X.2400-2								2301 - 2400 SK.G.X.2400-2
	720 - 1050	1051 - 1250	1251 - 1450	1451 - 1650	1651 - 1850	1851 - 2000		
	SK.VS.1050-1	SK.VS.1250-1	SK.VS.1450-1	SK.VS.1650-2	SK.VS.1850-2	SK.VS.2000-2		



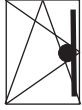
activPilot Comfort ERGO Drehkipppfenster mit Zwangssteuerung






FFB FFH	510 - 580 SR 650/0..	581 - 680 SR 650/0..	681 - 710 SR 650/0.. MK.250-1	711 - 830 SR 650/0.. MK.250-1	831 - 930 SR 650/0.. M.250-1	931 - 1080 SR 650/0.. MK.500-1	1080 - 1100 SR 650/0.. MK.500-1	
420 - 460 KE								360 - 460 KE
461 - 710 KE								461 - 710 KE
711 - 960 KE MK.250-1								711 - 960 KE MK.250-1
961 - 1210 KE MK.500-1								961 - 1210 KE MK.500-1
1211 - 1450 KE M.750-1								1211 - 1450 KE M.750-1
	510 - 680 GAM.1050-0	→	681 - 930 GAM.1050-1	→		→	931 - 1100 GAM.1400-1	

Anwendungsbereiche Getriebe




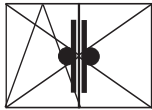
konstanter Griffsitz 1 flg

800 mm Verriegelungsabstand

FFH min/max	Getriebe		SB Positionen
230 - 460	GA..K.465		--
461 - 700	GA..K.710		--
701 - 850	GA..K.945-1		385
851 - 1100	GA..K.1100-1		500
1101 - 1325	GA..K.1325-1		750
1326 - 1550	GA..K.1550-1	1	750
1550 - 1775	GA..K.1775-2	2	750 1250
1776 - 2000	GA..K.2000-2	2	750 1250
2001 - 2225	GA..K.2225-2	2	750 1500


700 mm Verriegelungsabstand

FFH min/max	Getriebe		SB Positionen
230 - 460	GA..K.465		--
461 - 700	GA..K.710		--
701 - 850	GA..K.945-1		385
851 - 1100	GA..K.1100-1		500
1101 - 1325	GA..K.1325-2		385 750
1326 - 1550	GA..K.1550-2	1	385 1000
1551 - 1775	GA..K.1775-3	2	385 750 1250
1776 - 2000	GA..K.2000-4	2	385 750 1250 1500
2001 - 2225	GA..K.2225-4	2	385 750 1250 1750




konstanter Griffsitz Stulp

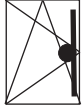
800 mm Verriegelungsabstand

FFH min/max	Getriebe		SB Positionen
230 - 460	GA..K.465		--
461 - 700	GA..K.710		--
701 - 850	GA..K.945-1		385
851 - 1100	GA..K.1100-1		500
1101 - 1325	GA..K.1325-2	2	385 750
1326 - 1550	GA..K.1550-2	2	385 1000
1550 - 1775	GA..K.1775-2	2	750 1250
1776 - 2000	GA..K.2000-2	2	750 1250
2001 - 2225	GA..K.2225-2	2	750 1500

700 mm Verriegelungsabstand

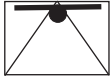
FFH min/max	Getriebe		SB Positionen
230 - 460	GA..K.465		--
461 - 700	GA..K.710		--
701 - 850	GA..K.945-1		385
851 - 1100	GA..K.1100-1		500
1101 - 1325	GA..K.1325-2	2	385 750
1326 - 1550	GA..K.1550-2	2	385 1000
1551 - 1775	GA..K.1775-3	2	385 750 1250
1776 - 2000	GA..K.2000-4	2	385 750 1250 1500
2001 - 2225	GA..K.2225-4	2	385 750 1250 1750


Anwendungsbereiche Getriebe




mittiger Griffsitz 1 flg

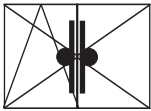
800 mm Verriegelungsabstand



FFH min/max	Getriebe		SB Positionen
230 - 325	GA..K.465		--
326 - 800	GA..M 800		--
800 - 1050	GA..M.1050-1		127
1051 - 1300	GA..M.1400-1		127
1301 - 1400	GA..M.1400-1	1	127
1401 - 1800	GA..M.1800-2	2	-340 260
1801 - 2300	GA..M..2300-3	2	-520 127 692


700 mm Verriegelungsabstand

FFH min/max	Getriebe		SB Positionen
230 - 325	GA..K.465		--
326 - 800	GA..M 800		--
800 - 1050	GA..M.1050-1		127
1051 - 1300	GA..M.1400-2		-223 127
1301 - 1400	GA..M.1400-2	1	-223 127
1401 - 1800	GA..M.1800-2	2	-340 260
1801 - 2300	GA..M..2300-3	2	-520 127 692



mittiger Griffsitz Stulp

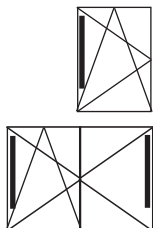
700+ 800 mm Verriegelungsabstand

FFH min/max	Getriebe		SB Positionen
230 - 325	GA..K.465		--
326 - 800	GA..M 800		--
801 - 980	GA..M.1050-1	1	127
981 - 1400	GA..M.1400-2	2	-223 127
1401 - 1800	GA..M.1800-2	2	-340 260

Anwendungsbereiche


Mittenverriegelungen Bandseite

activPilot Concept




mittiger Griffsitz

800 mm Verriegelungsabstand

FFH min/max	M../MK..		SB Positionen
710 - 1300	M.500-1	-	500
1301 - 1400	M.750-1	1	750
1401 - 1800	MK.500-1+ M.500-1	1	500 1000
1801 - 2300	MK.500-1+ MK.500-1+ M.500-1	2	500 1000 1500


konstanter Griffsitz

800 mm Verriegelungsabstand

FFH min/max	M../MK..		SB Positionen
850 - 1325	M.500-1	-	500
1325 - 1550	M.750-1	1	750
1551 - 1775	MK.500-1+ M.500-1	1	500 1000
1775 - 2225	MK.500-1+ MK.500-1+ M.500-1	2	500 1000 1500

mittiger + konstanter Griffsitz

700 mm Verriegelungsabstand

FFH min/max	M../MK..		SB Positionen
710 - 1185	M.500-1	-	500
1185 - 1400	M.750-1	1	750
1401 - 1685	MK.500-1+ M.500-1	1	500 1000
1686 - 1935	MK.750-1+ M.500-1	1	750 1250
1936 - 2185	MK.500-1+ MK.500-1+ M.500-1	2	500 1000 1500
2186 - 2300	MK.750-1+ MK.500-1+ M.500-1	2	500 1000 1500

211111 211711 211211	Oberschiene Concept 700 mm	350 - 600 OS1.600	601 - 775 OS2.800	776 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1500 OS2.1250-1 +MK.250-1	1501 - 1725 OS2.1250-1 +MK.250-1 +ZS+FT
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Oberschiene Concept 800 mm	350 - 600 OS1.600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1475 - 1725 OS2.1475-1 +ZS+FT
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Getriebe
Konstant
700 mm

Getriebe
Konstant
800 mm

Bandseite
800 mm

Bandseite
700 mm

230 - 460
GAK.465

230 - 460
GAK.465

461 - 700
GAK.710

461 - 700
GAK.710

701 - 850
GAK.945-1

696 - 850
GAK.945-1

851 - 1100
GAK.1100-1

851 - 1075
GAK.1100-1

1101 - 1325
GAK.1325-2

1076 - 1325
GAK.1325-1
Stulp
GAK 1325-2

1326 - 1550
GAK.1550-2

1326 - 1550
GAK.1550-1
Stulp
GAK 1550-2

1551 - 1775
GAK.1775-3

1551 - 1775
GAK.1775-2

1776 - 2000
GAK.2000-4

1776 - 2000
GAK.2000-2

2001 - 2225
GAK.2225-4

2001 - 2225
GAK.2225-2

Verriegelungen activPilot Concept

Dreh(AWDR) Drehkippenfenster Stulpfenster

innenöffnend konstanter Griffsitz

701 - 1325
M.500-1

701 - 1185
M.500-1

1326- 1550
M.750-1

1185- 1400
M.750-1

1551 - 1775
MK.500-1
M.500-1

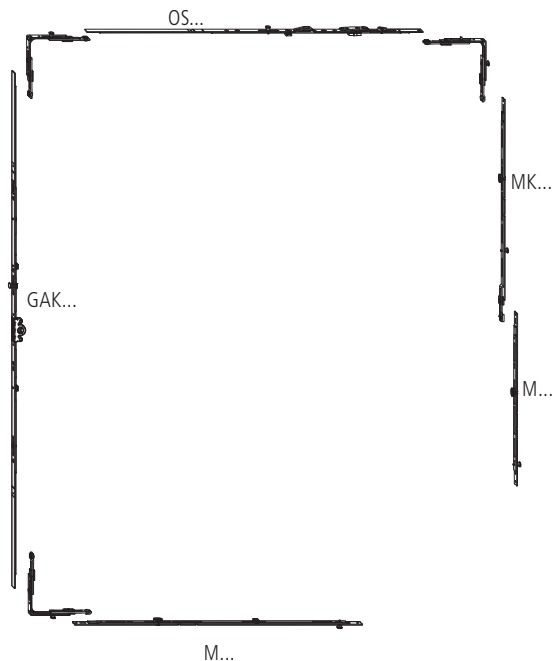
1401 - 1685
MK.500-1
M.500-1

1776 - 2225
MK.500-1
MK.500-1
M.500-1

1686 - 1935
MK.750-1
M.500-1

1936 - 2185
MK.500-1
MK.500-1
M.500-1

2186 - 2225
MK.750-1
MK.500-1
M.500-1



MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
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MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
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211121 211721 211221	Oberschiene Concept 700 mm	350 - 600 OS1. 600	601 - 775 OS2.800	776 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1500 OS2.1250-1 +MK.250-1	1501 - 1725 OS2.1250-1 +MK.250-1 +ZS+FT
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Oberschiene Concept 800 mm	350 - 600 OS1. 600	601 - 800 OS2.800	801 - 1025 OS2.1025-1	1026 - 1250 OS2.1250-1	1251 - 1475 OS2.1475-1	1475 - 1725 OS2.1475-1 +ZS+FT
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Getriebe
Mittig
700 mm

Getriebe
Mittig
800 mm

Bandseite
800 mm

Bandseite
700 mm

325 - 710
GAM.800

325 - 710
GAM.800

701 - 1300
M.500-1

701 - 1185
M.500-1

711 - 980
GAM.1050-1

711 - 980
GAM.1050-1

1301 - 1400
M.750-1

1185 - 1400
M.750-1

981 - 1400
GAM.1400-2

981 - 1400
GAM.1400-1

1401 - 1800
MK.500-1
M.500-1

1401 - 1685
MK.500-1
M.500-1

1401 - 1800
GAM.1800-2

1401 - 1800
GAM.1800-2

1801 - 2300
MK.500-1
MK.500-1
M.500-1

1686 - 1935
MK.750-1
M.500-1

1801 - 2300
GAM.2300-3

1801 - 2300
GAM.2300-3

1936 - 2185
MK.500-1
MK.500-1
M.500-1

1936 - 2185
MK.500-1
MK.500-1
M.500-1

1801 - 2300
GAM.2300-3

1801 - 2300
GAM.2300-3

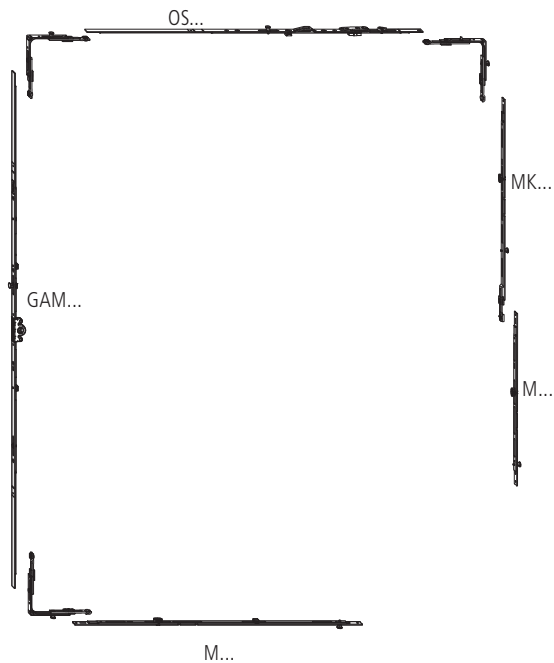
2186 - 2300
MK.750-1
MK.500-1
M.500-1

2186 - 2300
MK.750-1
MK.500-1
M.500-1

Verriegelungen activPilot Concept

Dreh(AWDR) Drehkippenfenster Stulpfenster

innenöffnend mittiger Griffsitz



MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
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MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
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211411

MV oben Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
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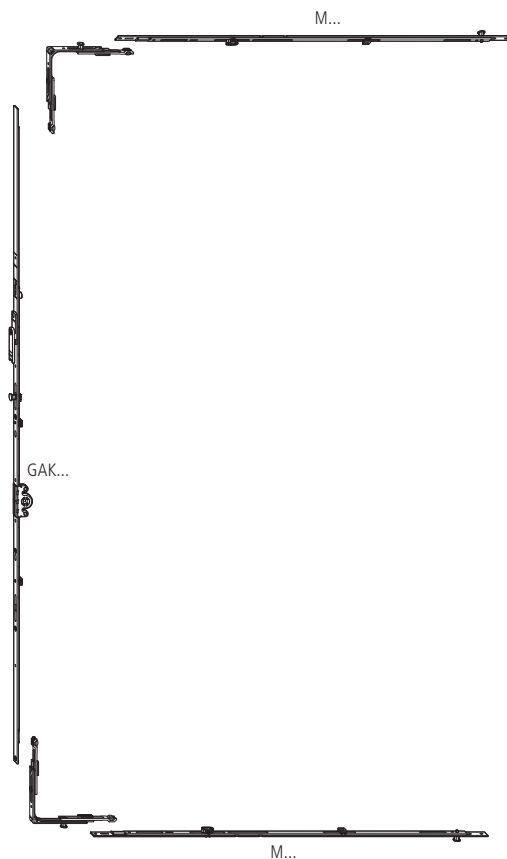
MV oben Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
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Getriebe
Konstant
700 mm230 - 460
GAK.465461 - 700
GAK.710701 - 850
GAK.945-1851 - 1100
GAK.1100-11101 - 1325
GAK.1325-21326 - 1550
GAK.1550-21551 - 1775
GAK.1775-31776 - 2000
GAK.2000-42001 - 2225
GAK.2225-4Getriebe
Konstant
800 mm230 - 460
GAK.465461 - 700
GAK.710696 - 850
GAK.945-1851 - 1075
GAK.1100-11076 - 1325
GAK.1325-1Stulp
GAK 1325-21326 - 1550
GAK.1550-1Stulp
GAK 1550-21551 - 1775
GAK.1775-21776 - 2000
GAK.2000-22001 - 2225
GAK.2225-2

Verriegelungen activPilot Concept

Dreh mit Bändern

innenöffnend konstanter Griffsitz



MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
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MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
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211421

MV oben Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
MV oben Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1

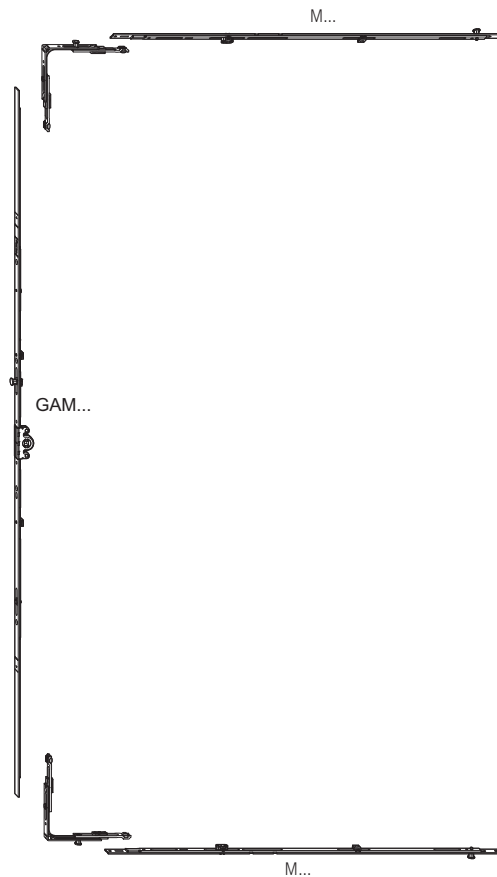
Getriebe Mittig 700 mm	Getriebe Mittig 800 mm
325 - 710 GAM.800	325 - 710 GAM.800
711 - 980 GAM.1050-1	711- +980 GAM.1050-1
981 - 1400 GAM.1400-2	981 - 1400 GAM.1400-1 Stulp GAM.1400-2
1401 - 1800 GAM.1800-2	1401 - 1800 GAM.1800-2
1801 - 2300 GAM.2300-3	1801 - 2300 GAM.2300-3

GAM.1325-2:
untere Verriegelungsposition
mit SBA (Anpreßdruck)

Verriegelungen activPilot Concept

Dreh mit Bändern

innenöffnend mittiger Griffsitz



MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1

211422

MV oben Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
MV oben Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1

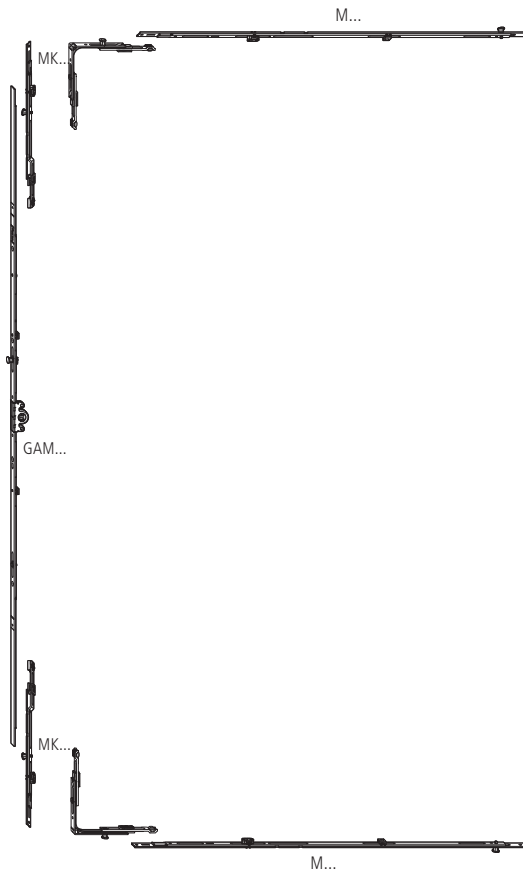
Getriebe Mittig 700 mm	Getriebe Mittig 800 mm
700 - 900 GAM.1400-1	700 - 900 GAM.1400-1
901 - 1300 GAM.1400-2	901 - 1300 GAM.1400-1
1301- 1400 GAM.1400-2	1301- 1400 GAM.1400-1
1401 - 1800 MK.250-1 GAM.1400-2 MK.250-1	1401 - 1800 MK.250-1 GAM.1400-1 MK.250-1
1801 - 1900 MK.250-1 GAM.1400-2 MK.250-1	1801 - 1900 MK.250-1 GAM.1400-1 MK.250-1
1901 - 2300 MK.250-1 GAM.1400-2 MK.250-1	1901 - 2300 MK.250-1 GAM.1400-1 MK.250-1

GAM.1400-2:
untere Verriegelungsposition
mit SBA (Anpreßdruck)

Verriegelungen activPilot Concept

Dreh mit Bändern

außenöffnend mittiger Griffsitz



MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1

211412

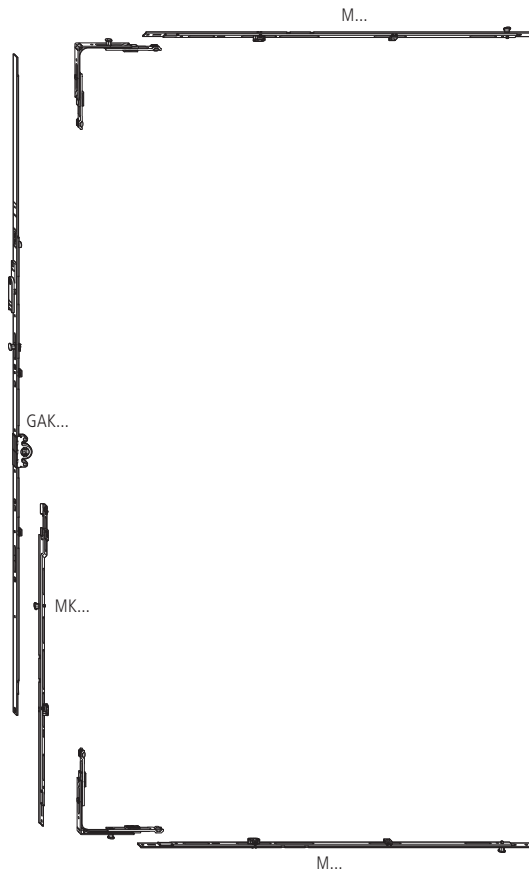
MV oben Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1
MV oben Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1

Getriebe Konstant 700 mm	Getriebe Konstant 800 mm
975 - 1075 GAK.1325-1	975 - 1075 GAK.1325-1
1076 - 1325 GAK.1325-2	1076 - 1325 GAK.1325-1
1326 - 1575 MK.250-1 GAK.1325-2	1326 - 1575 MK.250-1 GAK.1325-1*
1576 - 1775 MK.500-1 GAK.1325-2	1576 - 1775 MK.500-1 GAK.1325-1
1776 - 1825 GAK.1325-2 MK.500-1	1776 - 1825 GAK.1325-1 MK.500-1
1826 - 2075 MK.250-1 GAK.1325-2 MK.500-1	1826 - 2075 MK.250-1 GAK.1325-1 MK.500-1
2076 - 2225 MK.500-1 GAK.1325-2 MK.500-1	2076 - 2225 MK.500-1 GAK.1325-1 MK.500-1

Verriegelungen activPilot Concept

Dreh mit Bändern

außenöffend konstanter Griffsitz



GAK.1325-2:
untere Verriegelungsposition
mit SBA (Anpreßdruck)

MV unten Concept 800 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.500-1 M.750-1
MV unten Concept 700 mm	350 - 600 M.250-1	601 - 1025 M.500-1	1026 - 1250 M.750-1	1251 - 1475 MK.500-1 M.500-1	1475 - 1725 MK.750-1 M.500-1

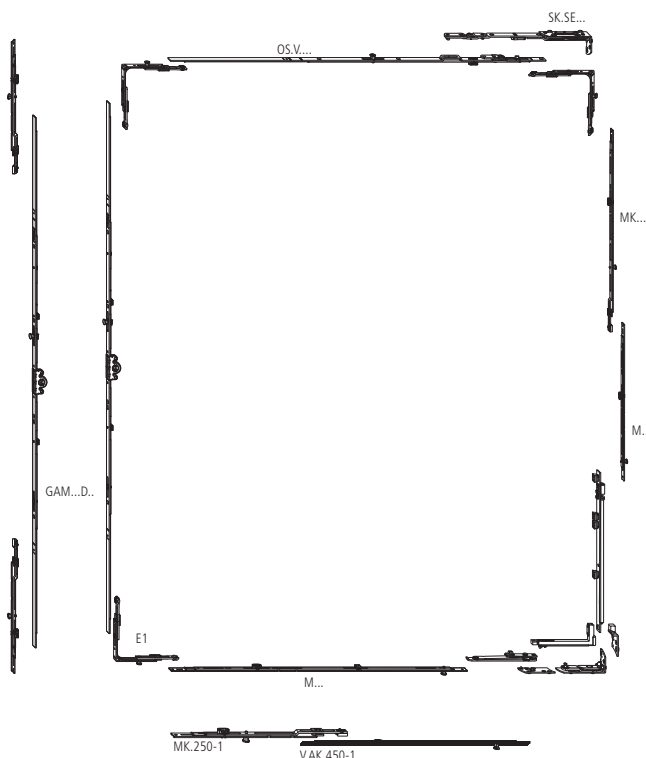
231111
 231121
 231211
 231221
 231712
 231722
 231912
 231922

Oberschiene Select 700 mm	485 - 600	601 - 775	776 - 1025	1026 - 1250	1251 - 1475
	OS.SE.550	OS.SE.800	OS.SE.1025-1	OS.SE.1250-1	OS.SE.1250-1 +MK.250-1

Oberschiene Select 800 mm	485 - 550	551 - 800	801 - 1025	1026 - 1250	1251 - 1475
	OS.SE.550	OS.SE.800	OS.SE.1025-1	OS.SE.1250-1	OS.SE.1475-1

Getriebe siehe autoPilot Concept Ausführungen

Verriegelungen activPilot Select



Bandseite Select 800 mm	Bandseite Select 700 mm
711 - 980 M.500-1	711 - 1185 M.500-1
981 - 1300 M.500-1	1185 - 1400 M.750-1
1300 - 1400 M.750-1	1401 - 1685 MK.500-1 M.500-1
1401 - 1800 MK.500-1 M.500-1	1686 - 1935 MK.750-1 M.500-1
1801 - 2000 MK.500-1 M.750-1	1936 - 2185 MK.500-1 MK.500-1 M.500-1
2001 - 2300 MK.500-1 MK.500-1 M.500-1	2186 - 2300 MK.750-1 MK.500-1 M.500-1

485 - 700 M.250-1	701 - 1025 M.500-1	1026 - 1250 M.750-1	
570 - 815 M.250-1	816 - 1065 M.500-1	1066 - 1315 M.750-1	1316 - 1475 MK.500-1 M.500-1
600 - 850 V.AK.450-1	851 - 1100 MK.250-1 V.AK.450-1	1101 - 1350 MK.500-1 V.AK.450-1	1351 - 1475 MK.750-1 V.AK.450-1

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