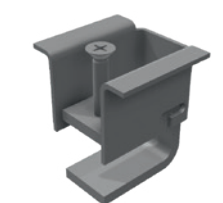


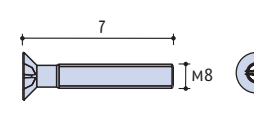
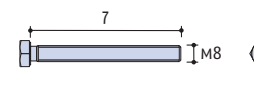
Function		Products	Application principle	Application	Versions
1	Connection of gratings with each other	At the front edges	Lengthwise connector	All gratings	Heights: 40, 50, 75, 100 mm
		At the long sides	Via edge perforation (standard) or connector plate	Connector plate allows mounting from above	Heights: 40, 50, 75 mm
2	Fastening of gratings to a beam	With a vertical bar	Claw and spacer	Open gratings: Screwing from above with special connection disk Closed gratings: Drilling and screwing from above or use mounting plate from below	For all standard grating heights
		With a horizontal flange	C-clip or mounting plate or spot drilling of the beam and spacer	Open gratings: Screwing from above with special connection disk Closed gratings: Drilling and screwing from above All gratings: Mounting plate from below	For all standard grating heights
3	Fastening of gratings on the face side to a beam / plate or the like	Compensating angle		All gratings except Steg	Heights: 40 and 75 mm, diff. widths

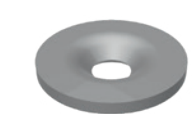
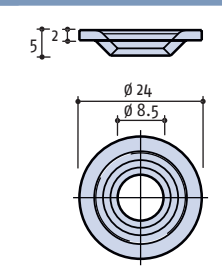
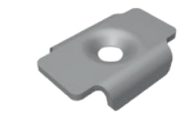
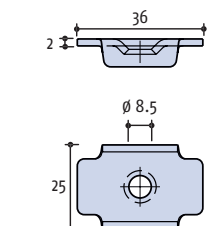

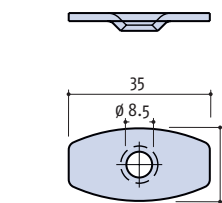
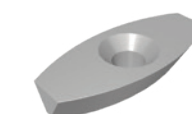
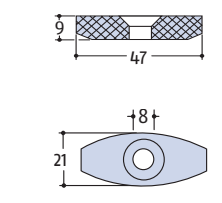

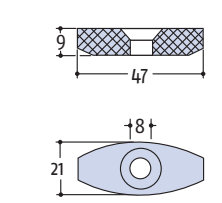

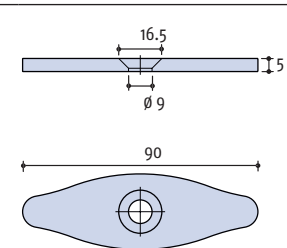
C-Clip – for detachable connections (not suitable for Graepel-Steg and Graepel-Lightprofile)

Description	Suitable for	Disk	Order number			
			H = 40 mm	H = 50 mm	H = 75 mm	H = 100 mm
 <p>There are different C-clip sets for different perforations and heights of Graepel gratings. They consist of a main body, a movable tongue and a bolt (M8 countersunk, cross recess). It is supplemented by different disks for different Graepel gratings.</p> <p>Heights: 40 mm, 50 mm, 75 mm</p> <p>Material: DD 11 hot-dip galvanized, stainless steel 1.4301</p>	Graepel-Special P-12	D=8.4	60 8700 0092 002 - 004	60 8700 0093 002 - 004	60 8700 0094 002 - 004	-
	Graepel-Glide 18 Graepel-Special 4-18 Graepel-Universal	Round	60 8700 0097 002 - 004	60 8700 0098 002 - 004	60 8700 0099 002 - 004	-
	Graepel-Eco Graepel-Rhombus Graepel-Perl Graepel-Indoor Graepel-Star	Without	60 8700 0100 002 - 004	60 8700 0101 002 - 004	60 8700 0102 002 - 004	-
	Graepel-City Graepel-Garden	Without	60 8700 0103 002 - 004	60 8700 0104 002 - 004	60 8700 0105 002 - 004	-
	Graepel-Special 14-14	Round	60 8700 0106 002 - 004	60 8700 0107 002 - 004	60 8700 0108 002 - 004	-
	Graepel-Stabil	Olive	60 8700 0109 002 - 004	60 8700 0110 002 - 004	60 8700 0111 002 - 004	-
	Graepel-Stabil Xtrem	Olive-S	-	60 8700 0112 002 - 004	60 8700 0113 002 - 004	60 8700 0114 002 - 004

The final digit 002 of the order number signifies the material DD 11 hot-dip galvanized, 004 stands for stainless steel 1.4301.

Bolts – for our fastening technology

Bolt type	Order number	
	Electro galvanized	Stainless steel 1.4301
 <p>Countersunk bolt M8 x 35 DIN 965</p> <p>Countersunk bolt M8 x 45 DIN 965</p> <p>Countersunk bolt M8 x 70 DIN 965</p>	00 3010 2201 008	00 3010 2208 004
	00 3010 2315 008	00 3010 2315 004
	00 3010 2225 008	00 3010 2225 004
 <p>Hexagon bolt M8 x 16 DIN 933</p> <p>Hexagon bolt M8 x 20 DIN 933</p> <p>Hexagon nut M8 DIN 985</p>	00 3010 0003 001	00 3010 0003 007
	00 3010 5100 001	00 3010 5100 004
	00 3010 0000 001	00 3010 0010 001

Disks and olives		Description	Suitable for	Order number
 <p>Disk for round perforations</p>	 <p>5 2 Ø 24 Ø 8.5</p>	d = 24 mm with countersunk hole for bolt M8 Material: Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Universal Graepel-Special 14-14 Graepel-Special 4-18 Graepel-Glide 18	60 8700 0028 004
	 <p>Disk Steg</p>	 <p>2 36 Ø 8.5 25</p>	With countersunk hole for bolt M8 Material: Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Steg Graepel-Lightprofile
 <p>Olive for Graepel-Stabil</p>	 <p>35 Ø 8.5 18</p>	With countersunk hole for bolt M8 Material: Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Stabil	60 8700 0089 004
 <p>Olive for Graepel-Stabil with countersunk hole</p>	 <p>9 47 18 21</p>	With countersunk hole for bolt M8 Material: Cast steel, electro galvanized (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Stabil	60 8700 0400 008
 <p>Olive for Graepel-Stabil</p>	 <p>9 47 18 21</p>	With countersunk hole for bolt M8 Material: Plastic (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Stabil	60 8700 0366 016
 <p>Olive for Graepel-Stabil Xtrem</p>	 <p>16.5 5 Ø 9 90</p>	With countersunk hole for bolt M8 Material: Steel, hot-dip galvanized (Bolts are not supplied. Upon request we provide suitable bolts.)	Graepel-Stabil Xtrem	60 8700 0063 002

The disks can also be ordered individually (without C-clip). Upon request we provide suitable bolts.

Spacer					
	Description	Suitable for	x for grating height [mm]	Order number Steel, pre-galvanized	Order number Stainless steel 1.4301
	Graepel gratings are screwed from above through the spacer into the substructure. Upon request we provide suitable disks and bolts.	Suitable for all Graepel gratings except Graepel-Lightprofile*	40 mm	60 8000 0013 005	60 8000 0013 004
			50 mm	60 8000 0020 005	60 8000 0020 004
			75 mm	60 8000 0005 005	60 8000 0005 004
			100 mm	60 8000 0008 005	-

Lengthwise connector					
	Description	Suitable for	H [mm]	Order number Steel, hot-dip galvanized	Order number Stainless steel 1.4301
	Lengthwise connectors allow the end-to-end connection of gratings lengthwise on the inside without drilling into the substructure.	Universally applicable for all Graepel gratings	33 mm for 40 mm	60 8000 0025 002	60 8700 0033 004
			43 mm for 50 mm	60 8000 0026 002	60 8700 0034 004
			68 mm for 75 mm	60 8000 0027 002	60 8700 0035 004
			93 mm for 100 mm	60 8000 0028 002	60 8700 0036 004

Claw - base unit: M8			
	Description	Suitable for	Order number Steel, electrogalvanized
	The claw can be used from a minimum height of 60 mm between the top edge of the grating and the bottom edge of the substructure. It is screwed through the grating and hooked under the construction. Note: Standard delivery without disks and bolts! Disks and bolts needed!	Universally applicable for all Graepel gratings	60 8700 0091 008

Clamp fastening for Lightprofile grating				
	Description	Suitable for	H [mm]	Order number Stainless steel 1.4301
	The clamp fastening consists of a clamp, spacer, Steg disk and a bolt (M8 countersunk, cross recess) with square nut.	Graepel-Lightprofile	30 mm	60 8700 0075 004
			40 mm	60 8700 0077 004
			50 mm	60 8700 0078 004
			75 mm	60 8700 0079 004

Mounting plate					
	Description	Suitable for	H [mm]	Order number Steel, hot-dip galvanized	Order number Stainless steel 1.4301
	The clamp fastening creates a detachable connection without drilling into the substructure. Please note: The mounting plate is supplied including mounting material.	Universally applicable for all Graepel gratings (not suitable for Graepel-Steg)	40 mm	60 8700 0122 002	60 8700 0033 004
			50 mm	60 8700 0123 002	60 8700 0034 004
			75 mm	60 8700 0124 002	60 8700 0035 004

Compensating angle							
	Description	Suitable for	A [mm]	N [mm]	Grating width B [mm]	Grating height H [mm]	Order number Stainless steel 1.4301
	It compensates dimensional fluctuations in the grating length up to 30 mm. Moreover, it can be used to connect gratings on the face side or to close them and thus turn them into a simple step. Dimensions: <ul style="list-style-type: none"> for grating height 40 mm: flat steel 35 x 3 mm for grating height 75 mm: flat steel 60 x 5 mm Note: Standard delivery angle with 4 screws!	Universally applicable for all Graepel gratings (not suitable for Graepel-Steg)	115	60	120	40	60 3100 3050 004
			145	90	150	40	60 3100 0477 004
			175	90	180	40	60 3100 3051 004
			195	90	200	40	60 3100 0478 004
			235	120	240	40	60 3100 3052 004
			235	120	240	75	60 3100 3057 004
			245	130	250	40	60 3100 0086 004
			245	130	250	75	60 3100 3058 004
			295	180	300	40	60 3100 3053 004
			295	180	300	75	60 3100 3059 004
			355	240	360	40	60 3100 3054 004
			415	300	420	40	60 3100 3055 004
			475	360	480	40	60 3100 3056 004