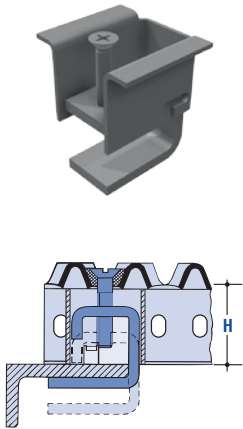
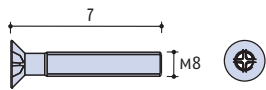
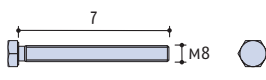


Function		Products	Application principle	Application	Versions
1	Connection of gratings with each other	At the front edges	Lengthwise connector	All gratings	Heights: 40, 50, 75, 100 mm
		At the long sides	Via edge perforation (standard) or connector plate	Connector plate allows mounting from above	Heights: 40, 50, 75 mm
2	Fastening of gratings to a beam	With a vertical bar	Claw and spacer	<b>Open gratings:</b> Screwing from above with special connection disk <b>Closed gratings:</b> 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	<b>Open gratings:</b> Screwing from above with special connection disk <b>Closed gratings:</b> Drilling and screwing from above <b>All gratings:</b> 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

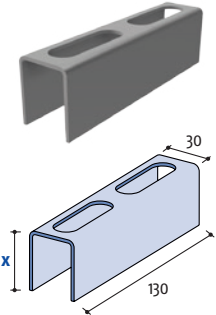
C-Clip – for detachable connections							
	Description	Suitable for	Disk	Order number H = 40 mm	Order number H = 50 mm	Order number H = 75 mm	Order number H = 100 mm
	There are different C-clip sets for different perforations and heights of Graepel gratings. They consist of a main body, a movable tongue and a bolt (M8 countersunk, cross recess). It is supplemented by different disks for different Graepel gratings.  <b>Heights:</b> 40 mm, 50 mm, 75 mm  <b>Material:</b> DD 11 hot-dip galvanized, stainless steel 1.4301	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-Special 8-8 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

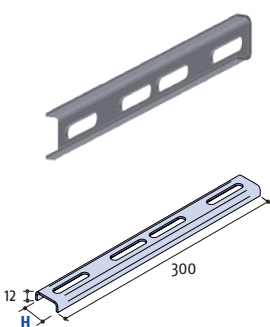
The final digit 002 of the order number signifies the material DD 11 hot-dip galvanized, 004 stands for stainless steel 1.4301.

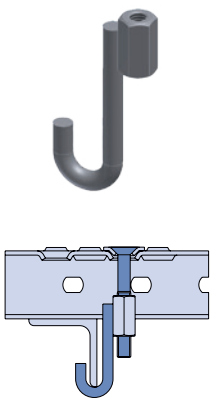
Bolts – for our fastening technology			
	Bolt type	Order number Electrogalvanized	Order number Stainless steel 1.4301
	Countersunk bolt M8 x 35 DIN 965	00 3010 2201 008	00 3010 2208 004
	Countersunk bolt M8 x 45 DIN 965	00 3010 2315 008	00 3010 2315 004
	Countersunk bolt M8 x 70 DIN 965	00 3010 2225 008	00 3010 2225 004
	Hexagon bolt M8 x 16 DIN 933	00 3010 0003 001	00 3010 0003 007
	Hexagon bolt M8 x 20 DIN 933	00 3010 5100 001	00 3010 5100 004
	Hexagon nut M8 DIN 985	00 3010 0000 001	00 3010 0010 001

Disks and olives				
		Description	Suitable for	Order number
<p><b>Disk for round perforations</b></p>	<p>d = 24 mm with countersunk hole for bolt M8</p> <p><b>Material:</b> Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	<p>Graepel-Universal Graepel-Special 14-14 Graepel-Special 4-18 Graepel-Glide 18</p>	60 8700 0028 004	
<p><b>Disk Steg</b></p>	<p>With countersunk hole for bolt M8</p> <p><b>Material:</b> Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	<p>Graepel-Steg Graepel-Lightprofile</p>	60 8700 0090 004	
<p><b>Olive for Graepel-Stabil</b></p>	<p>With countersunk hole for bolt M8</p> <p><b>Material:</b> Stainless steel 1.4301 (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	Graepel-Stabil	60 8700 0089 004	
<p><b>Olive for Graepel-Stabil with countersunk hole</b></p>	<p>With countersunk hole for bolt M8</p> <p><b>Material:</b> Cast steel, electrogalvanized (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	Graepel-Stabil	60 8700 0400 008	
<p><b>Olive for Graepel-Stabil</b></p>	<p>With countersunk hole for bolt M8</p> <p><b>Material:</b> Plastic (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	Graepel-Stabil	60 8700 0366 016	
<p><b>Olive for Graepel-Stabil Xtrem</b></p>	<p>With countersunk hole for bolt M8</p> <p><b>Material:</b> Steel, hot-dip galvanized (Bolts are not supplied. Upon request we provide suitable bolts.)</p>	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
	<p>Graepel gratings are screwed from above through the spacer into the substructure.</p> <p>Upon request we provide suitable disks and bolts.</p>	<p>Suitable for all Graepel gratings except Graepel-Lightprofile*</p>	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, pre-galvanized
	<p>Lengthwise connectors allow the end-to-end connection of gratings lengthwise on the inside without drilling into the substructure.</p>	<p>Universally applicable for all Graepel gratings</p>	33 mm for 40 mm	60 8000 0025 002
			43 mm for 50 mm	60 8000 0026 002
			68 mm for 75 mm	60 8000 0027 002
			93 mm for 100 mm	60 8000 0028 002

Claw - base unit: M8			
	Description	Suitable for	Order number Steel, electrogalvanized
	<p>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.</p> <p>Note: Standard delivery without disks and bolts! Disks and bolts needed!</p>	<p>Universally applicable for all Graepel gratings</p>	60 8700 0091 008