MEISER®

Load tables
GRP-Floorings

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Statical Measurements:

Statical measurements based on the following norms & regulations:
1. DIN 24537-3:2007-08 - gratings as flooring part 3: plastic grating
2. DIN EN 1990-NA:2010-12 - national standard, basics of support structure planning
3. RAL GZ 638:2008-09 - gratings – quality control

4. According to DIN 24537-3 : 2007-08 the dead weight is not part of the measurement.
5. According to BGI/GUV-I 588-1 the bearing should be not less than 30 mm.
6. Given results will only be achieved by a friction-locked fixation of the flooring.

Statical loads:

1. The Pointload FP = 1,5 kN on a load bearing area of 200x200 mm and the uniformly distributed load Fv of 2,0 kN/m2 are taken from the standard DIN EN ISO 14122-2 :2016-10 – safety of machinery – permanent means of access to machinery – Part 2 Walking platforms and walkways.

2. The Pointload FP = 2,0 kN on a load bearing area of 200x200 mm and the uniformly distributed load Fv of 5,0 kN/m2 for Access, balconies and stair landings of category T2 are taken from the standard DIN EN 1991-1-1/NA:2010-12 Germany.
For further information: the bearing area of 50x50 mm is not taken into calculation!

Deflection:

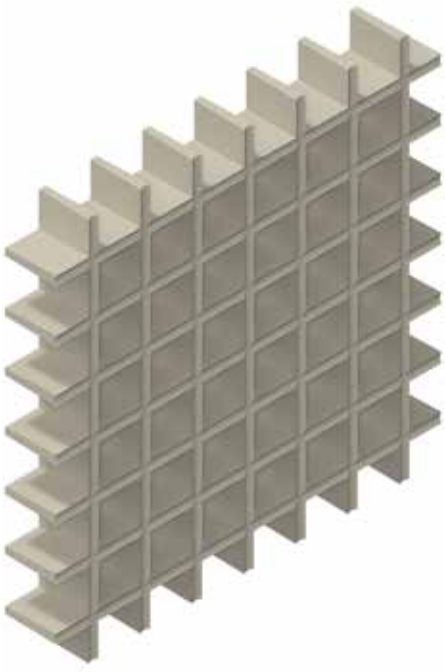
1. The elastical deflection of the flooring under load should not be higher than 0,5% (1/200) of the span.

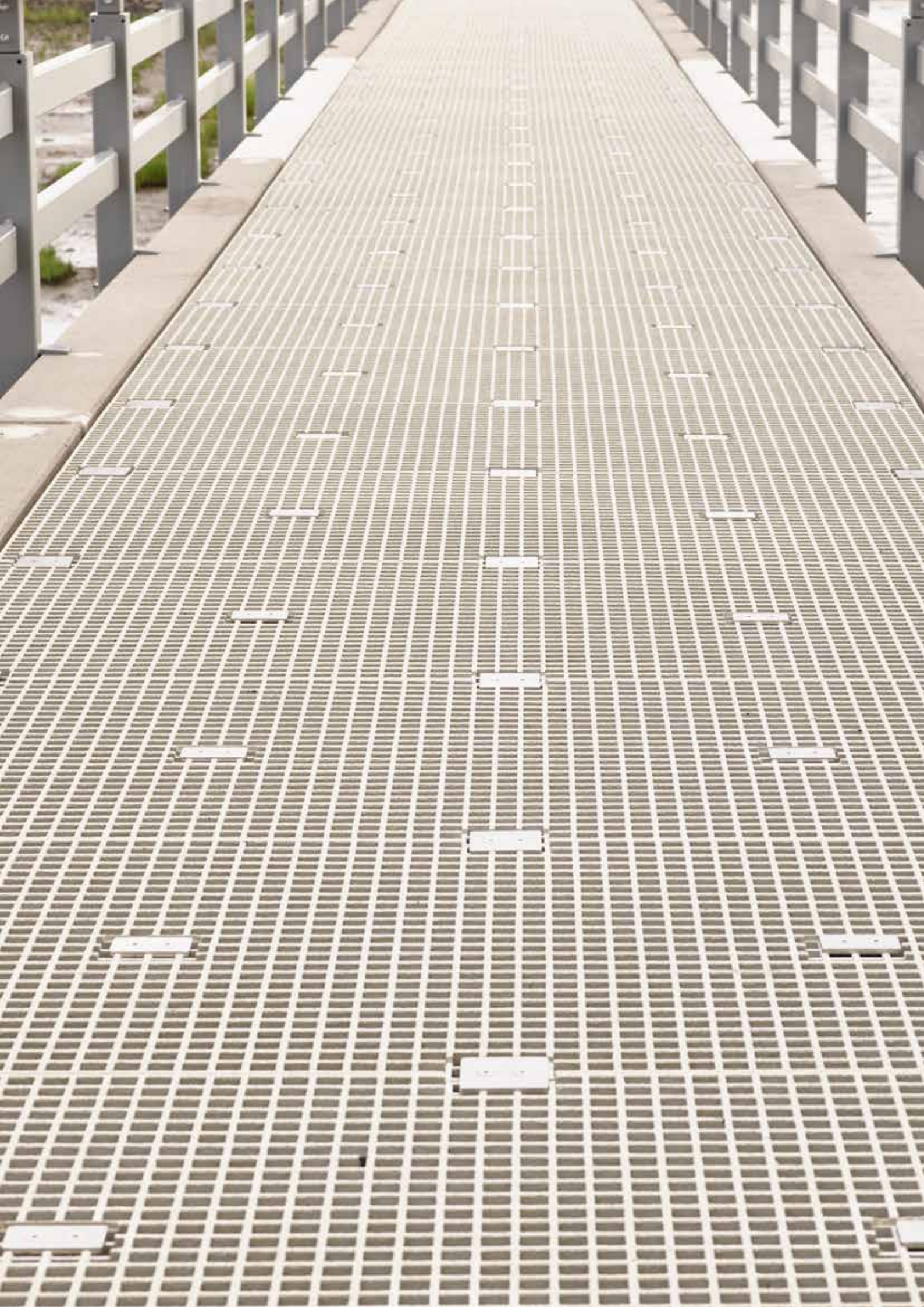
2. The difference in height should not exceed 4 mm at joints of loaded and unloaded panels. Should the elastical deflection reach 1/200>4 mm, the unsupported joints should be secured by double clamps. The use of double clamps with GRP-flooring systems has a significant impact on the achieved span. Take notice of the colour-highlighted table values.

Advice:

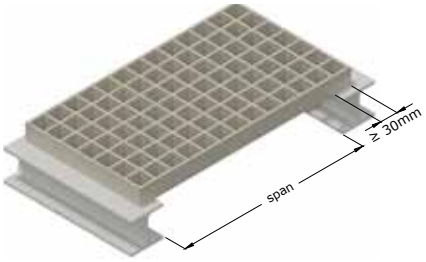
Should your specified loading condition not be mentioned, please feel free to contact us. Please observe that application-specific requirements of gratings have to be checked by the operator.

Moulded GRP gratings

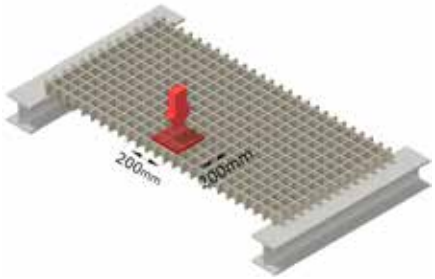




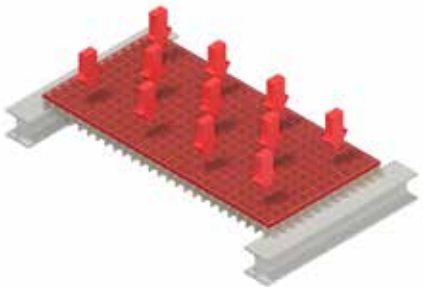
Square mesh < 10 mm



Pointload **Fp**



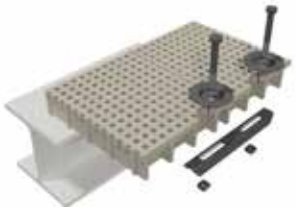
Uniformly distributed load (UDL) **Fv**



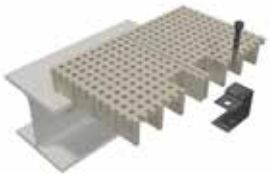
Grating			Pointload Fp = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom (SU)/Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
30	5 / 7	13,3 x 13,3	580	2,89	820	4,10	1056	5,26
38	5 / 7	13,3 x 13,3	927	3,98	1430	7,13	1344	6,69

Grating			Pointload Fp = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom (SU)/Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
38	5 / 7	13,3 x 13,3	489	2,43	570	2,85	778	3,87
38	5 / 7	13,3 x 13,3	816	3,98	1240	6,18	990	4,93

The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.

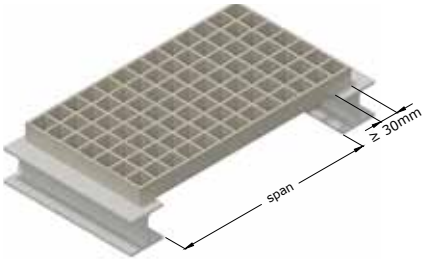


Double clamp

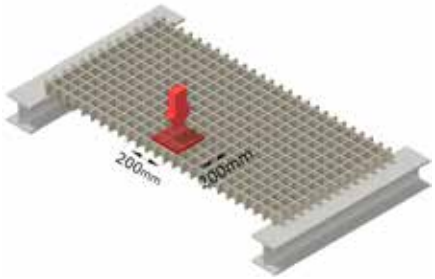


Butt joint

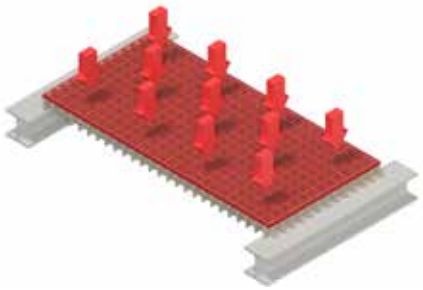
Square mesh max. 14 mm



Pointload **Fp**



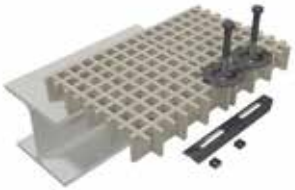
Uniformly distributed load (UDL) **Fv**



Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom (SU)/Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
15	5 / 6,4	20 x 20	222	1,11	as before		513	2,56
25	5 / 6,4	19 x 19	428	2,13	as before		876	4,36
30	5 / 7	20 x 20	519	2,58	663	3,30	1002	4,98
38	5 / 7	20 x 20	878	3,98	1350	6,74	1292	6,43
40	5 / 7	20 x 20	913	3,98	1406	7,00	1330	6,63

Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom (SU)/Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
15	5 / 6,4	20 x 20	201	1,00	as before		378	1,88
25	5 / 6,4	19 x 19	376	1,87	as before		646	3,21
30	5 / 7	20 x 20	454	2,26	as before		738	3,67
38	5 / 7	20 x 20	753	3,75	1170	5,83	952	4,74
40	5 / 7	20 x 20	804	3,98	1220	6,07	980	4,88

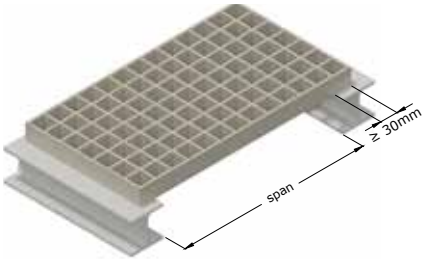
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.



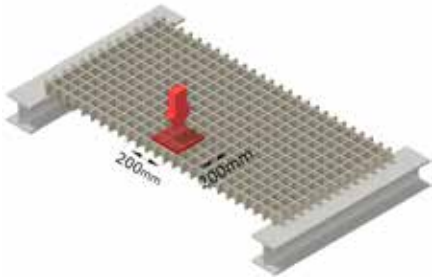
Double clamp

Butt joint

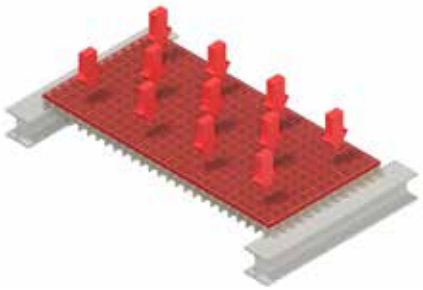
Square mesh max. 19 mm



Pointload **Fp**



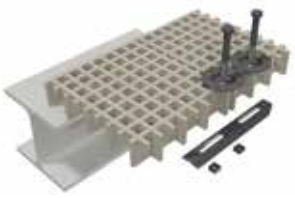
Uniformly distributed load (UDL) **Fv**



Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom (SU)/Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
30	5 / 7	26 x 26	480	2,39	560	2,80	918	4,57
38	5 / 7	26 x 26	810	3,99	1140	5,67	1160	5,80
50	6 / 8	25,3 x 25,3	1202	3,98	1704	8,48	1532	7,62

Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
30	5 / 7	26 x 26	421	2,10	as before		676	3,37
38	5 / 7	26 x 26	640	3,19	990	4,93	854	4,25
50	6 / 8	25,3 x 25,3	1050	3,99	1480	7,39	1130	5,65

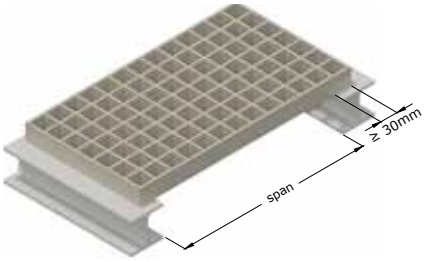
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.



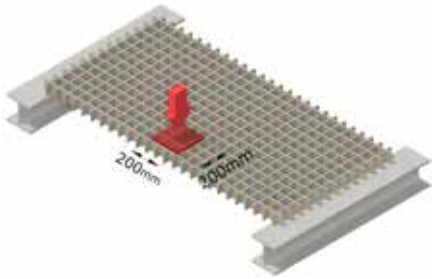
Double clamp

Butt joint

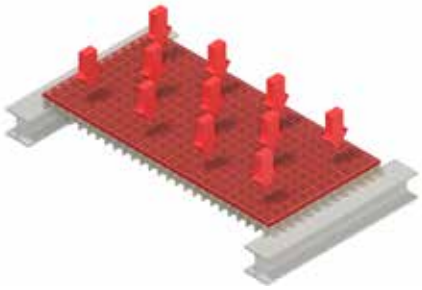
Square mesh max. 28 mm



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**



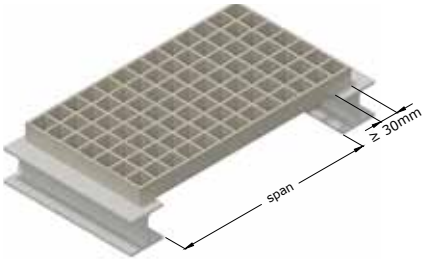
Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
40	9 / 10	38,1 x 38,1	983	3,98	1540	7,70	1416	7,05
50	9 / 11	38,1 x 38,1	1342	3,98	2143	10,66	1770	8,82
60	9 / 11	38,1 x 38,1	1853	3,98	3010	14,99	2220	11,05

Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
40	9 / 10	38,1 x 38,1	865	3,98	1333	6,63	1043	5,19
50	9 / 11	38,1 x 38,1	1177	3,98	1860	9,28	1304	6,49
60	9 / 11	38,1 x 38,1	1620	3,98	2610	13,02	1636	8,14

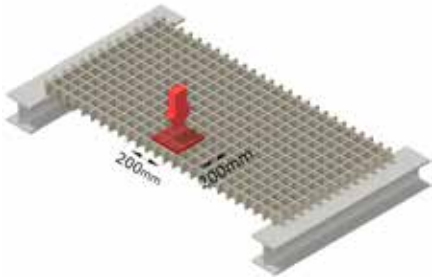
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all adges also unsupported joints are secured by double clamps.

Double clamp

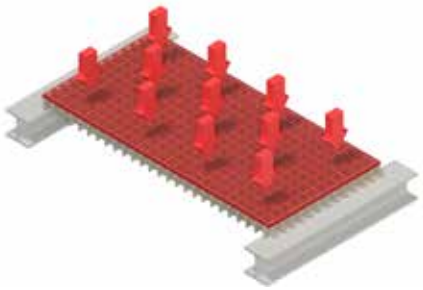
Square mesh max. 33 mm



Pointload **Fp**

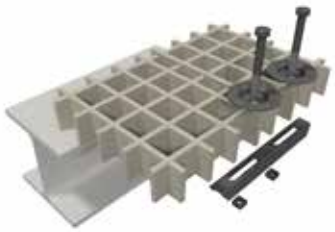


Uniformly distributed load (UDL) **Fv**

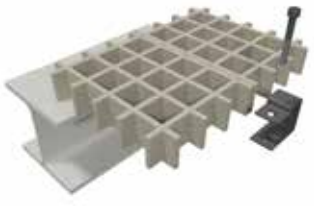


Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
13	5 / 6	38,1 x 38,1	n.a.	n.a.	n.a.	n.a.	398	1,98
20	5 / 6,4	38,1 x 38,1	270	1,35	as before		613	3,05
25	5 / 6,4	38,1 x 38,1	363	1,81	as before		775	2,86
25	5 / 6,6	40 x 40	366	1,82	as before		776	3,86
30	5 / 6,6	38,1 x 38,1	455	2,27	as before		916	4,56
30	5 / 7	40 x 40	448	2,23	as before		902	4,49
38	5 / 7	38,1 x 38,1	713	3,55	1110	5,51	1161	5,78
38	5 / 7	40 x 40	700	3,50	1091	5,43	1142	5,68
40	5 / 7	40 x 40	792	3,94	1211	6,03	1202	5,98
50	6 / 8	38,1 x 38,1	1097	3,98	1730	8,61	1533	7,63
60	7 / 9	38,1 x 38,1	1510	3,98	2430	12,12	1923	9,57

The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.

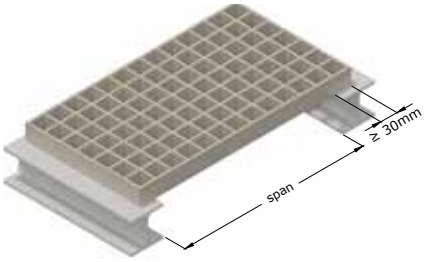


Double clamp

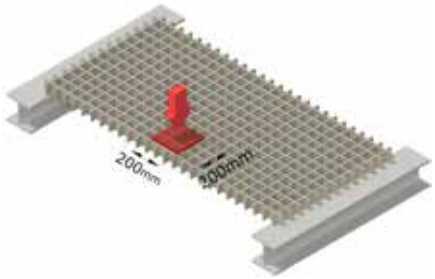


Butt joint

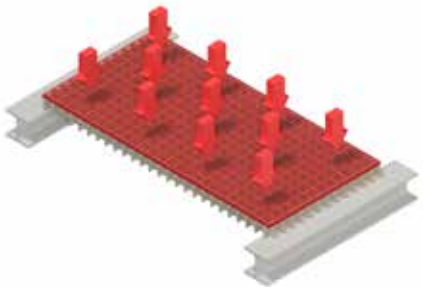
Square mesh max. 33 mm



Pointload **Fp**

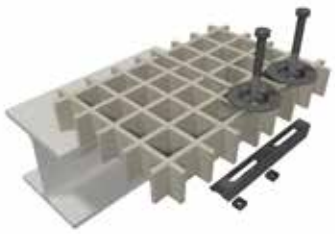


Uniformly distributed load (UDL) **Fv**



Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
13	5 / 6	38,1 x 38,1	n.a.	n.a.	n.a.	n.a.	294	1,61
20	5 / 6,4	38,1 x 38,1	242	1,20	as before		452	2,25
25	5 / 6,4	38,1 x 38,1	321	3,86	as before		571	2,84
25	5 / 6,6	40 x 40	323	1,61	as before		572	2,85
30	5 / 6,6	38,1 x 38,1	400	2,00	as before		675	3,36
30	5 / 7	40 x 40	394	1,96	as before		664	3,31
38	5 / 7	38,1 x 38,1	576	2,86	791	3,93	855	4,26
38	5 / 7	40 x 40	563	2,80	780	3,90	842	4,19
40	5 / 7	40 x 40	633	3,15	940	4,69	886	4,41
50	6 / 8	38,1 x 38,1	965	3,98	1500	7,47	1130	5,63
60	7 / 9	38,1 x 38,1	1322	3,98	2103	10,46	1417	7,05

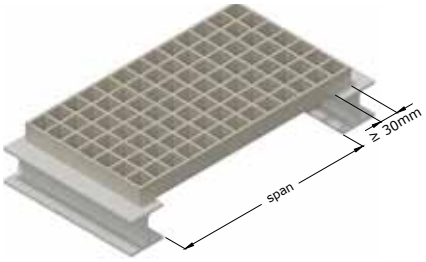
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.



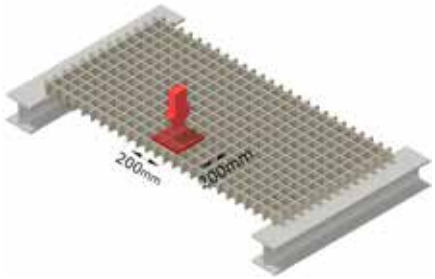
Double clamp

Butt joint

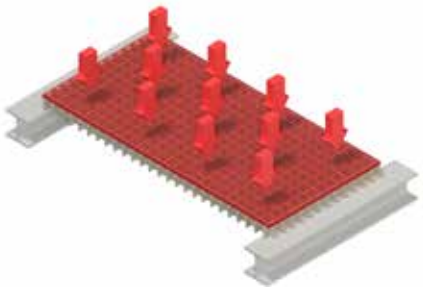
Square mesh max. 44 mm



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

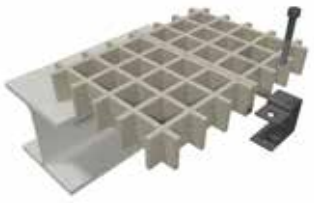


Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
13	5 / 6,5	50,7 x 50,7	n.a.	n.a.	n.a.	n.a.	362	1,80
50	6 / 8	50,7 x 50,7	1022	3,98	1443	7,18	1370	6,82

Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
13	5 / 6,5	50,7 x 50,7	n.a.	n.a.	n.a.	n.a.	267	1,33
50	6 / 8	50,7 x 50,7	894	3,98	1252	6,23	1010	5,04

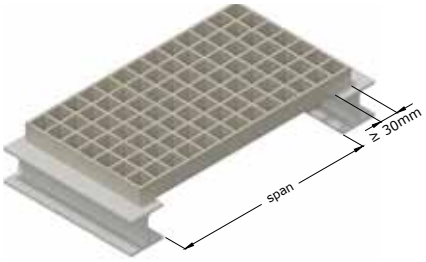
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all edges also unsupported joints are secured by double clamps or butt joints.

Double clamp

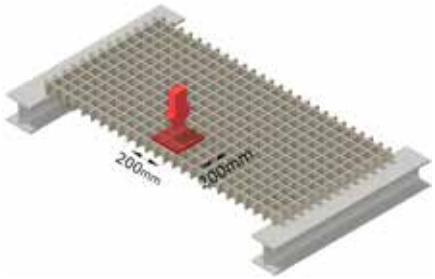


Butt joint

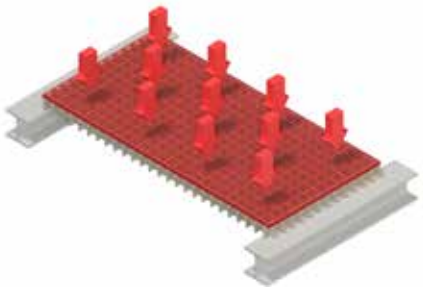
Rectangular mesh



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**



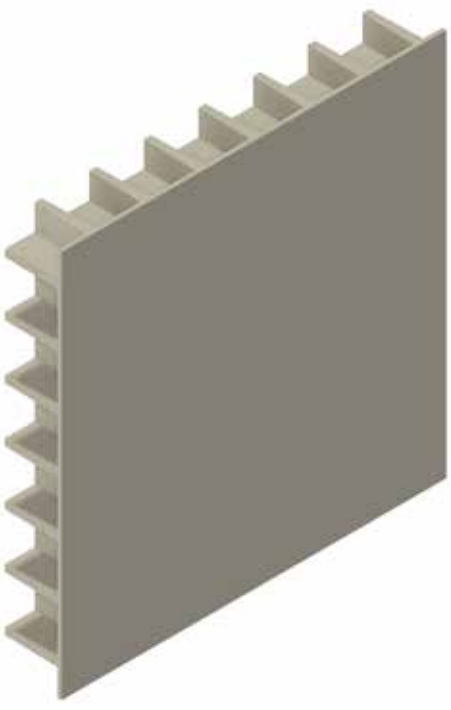
Grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT)[mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	5 / 7	25,4 x 101,6	423	2,11	as before		902	4,49
38	5 / 7	25,4 x 152,4	825	3,98	1230	6,13	1330	6,64
38	5 / 7	38,1 x 101,6	713	3,55	1110	5,55	1161	5,78
50	5 / 8	38,1 x 152,4	1097	3,98	1730	8,61	1533	7,63

Grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	5 / 7	25,4 x 101,6	372	1,85	as before		665	3,31
38	5 / 7	25,4 x 152,4	692	3,44	921	4,58	980	4,89
38	5 / 7	38,1 x 101,6	576	2,86	791	3,93	855	4,26
50	5 / 8	38,1 x 152,4	965	3,98	1500	7,47	1130	5,63

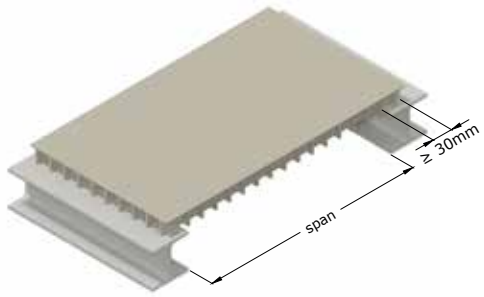
The highlighted spans are allowed, if the moulded GRP-gratings are supported on all adges also unsupported joints are secured by double clamps.

Double clamp

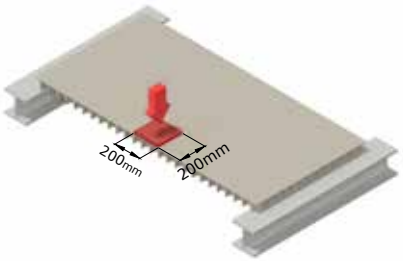
GRP safety flooring



Stock sizes



Pointload **Fp**

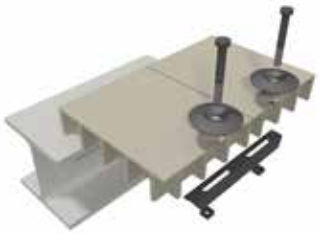


Uniformly distributed load (UDL) **Fv**

GRP safety flooring			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
30 (27+3)	5 / 7	38,1 x 38,1	580	2,89	1040	5,20	1086	5,41
38 (35+3)	5 / 7	38,1 x 38,1	858	3,98	1382	6,87	1320	6,60
50 (47+3)	6 / 8	50,7 x 50,7	1353	3,98	2030	10,11	1722	8,57

GRP safety flooring			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Bottom(SU)/ Top(SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
30 (27+3)	5 / 7	38,1 x 38,1	505	2,51	780	3,89	800	3,98
38 (35+3)	5 / 7	38,1 x 38,1	712	3,54	1200	5,99	971	4,83
50 (47+3)	6 / 8	50,7 x 50,7	1171	3,98	1760	8,77	1270	6,34

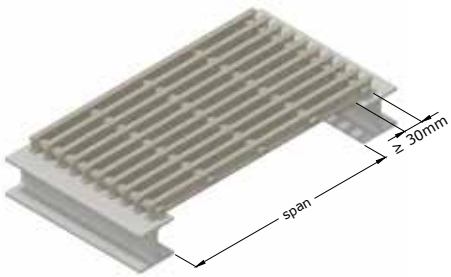
The highlighted spans are allowed, if the GRP safety floorings are supported on all edges also unsupported joints are secured by double clamps.



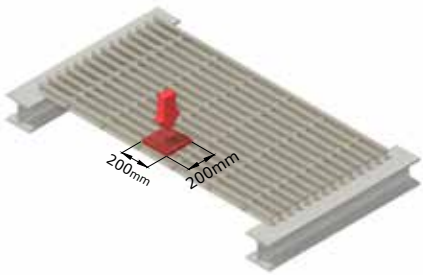
Double clamp

Pultruded GRP grating

I-bar type pultruded GRP grating up to 10 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

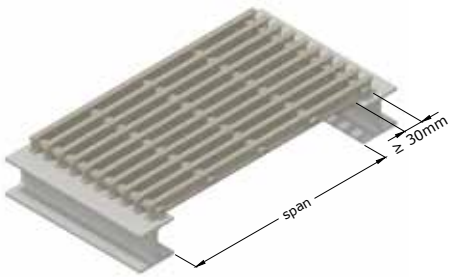
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	25 x 152	807	4,00	867	4,31	1353	6,73
30			967	3,98	1274	6,34	1584	7,88
38			1230	3,98	2160	10,75	1940	9,66

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	25 x 152	680	3,40	706	3,51	997	4,96
30			865	3,98	1020	5,09	1167	5,81
38			1097	3,98	1690	8,42	1430	7,13

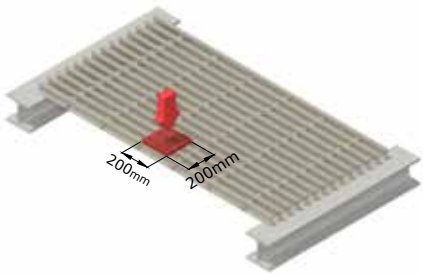
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

I-bar type pultruded GRP grating up to 15 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

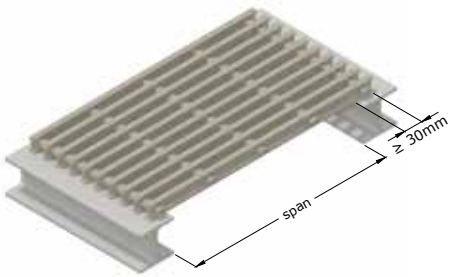
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	30 x 152	751	3,74	800	3,99	1273	6,33
30			927	3,98	1200	6,00	1491	7,42
38			1184	3,98	2080	10,40	1825	9,08

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	30 x 152	630	3,14	647	3,22	938	4,67
30			828	3,98	950	4,75	1100	5,50
38			1054	3,98	1610	8,03	1345	6,69

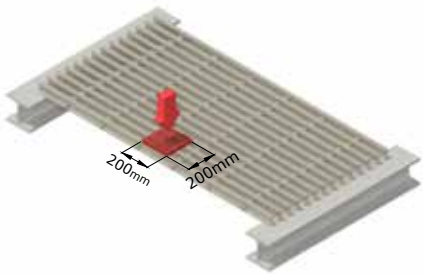
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

I-bar type pultruded GRP grating up to 23 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

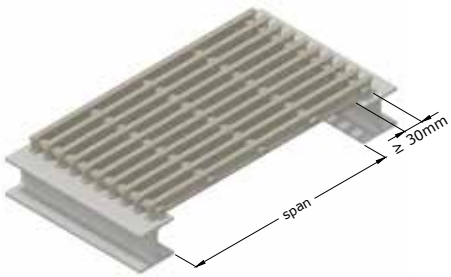
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	38 x 152	684	3,40	715	3,56	1177	5,86
30			880	3,98	1103	5,49	1380	6,90
38			1131	3,98	1980	9,90	1687	8,39

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	38 x 152	572	2,85	as before		867	4,32
30			774	3,85	862	4,29	1015	5,05
38			1003	3,98	1511	7,52	1243	6,19

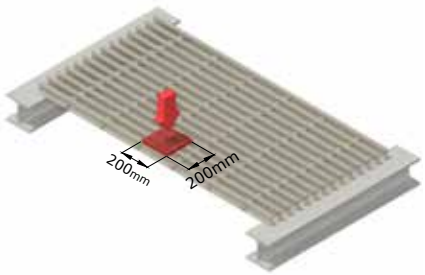
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

T-bar type pultruded GRP grating up to 10 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

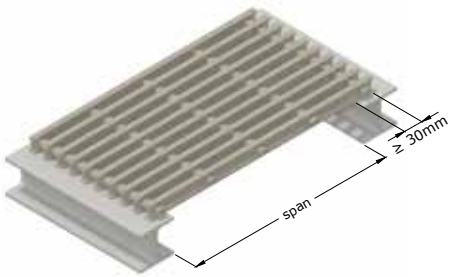
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	25 x 152	713	3,55	741	3,68	1263	6,29

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	38 x 152	602	3,00	610	3,04	931	4,63

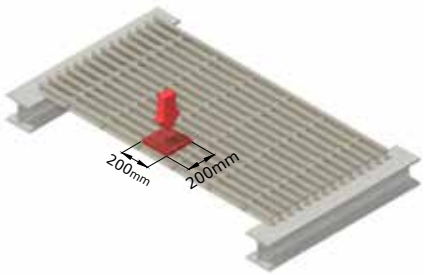
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

T-bar type pultruded GRP grating up to 13 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
50,8	25	38 x 152	1761	3,98	3331	16,57	2380	11,87

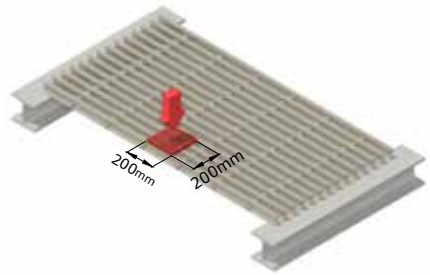
Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
50,8	25	38 x 152	1553	3,98	2890	14,42	1753	8,72

The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

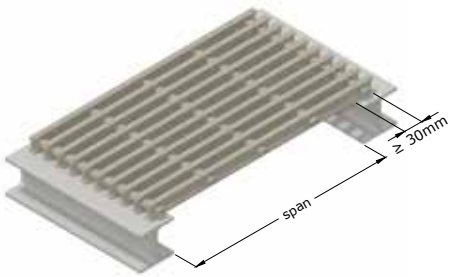
Double clamp

T-bar type pultruded GRP grating up to 15 mm bearing bar distance

Pointload **Fp**



Uniformly distributed load (UDL) **Fv**



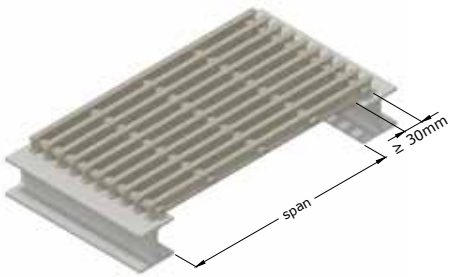
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	30 x 152	661	3,29	677	3,37	1190	5,94

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	30 x 152	558	2,77	as before		876	4,36

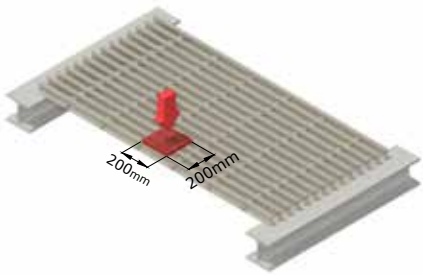
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

T-bar type pultruded GRP grating up to 23 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

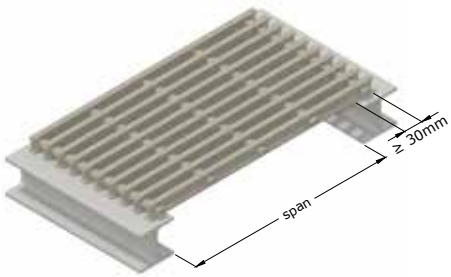
Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	38 x 152	600	2,99	as before		1100	5,49

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
25	15	38 x 152	513	2,55	as before		810	4,04

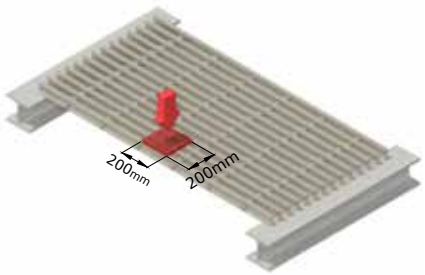
The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

T-bar type pultruded GRP grating up to 25 mm bearing bar distance



Pointload **Fp**



Uniformly distributed load (UDL) **Fv**

Pultruded GRP grating			Pointload F_p = 1,5 kN				Uniformly distributed load (UDL) Fv = 2,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
50,8	25	50 x 152	1700	4,00	2922	14,54	2171	10,80

Pultruded GRP grating			Pointload F_p = 2,0 kN				Uniformly distributed load (UDL) Fv = 5,0 kN/m²	
Height (H) [mm]	Bar Thickness Top (SO) [mm]	Meshspacing (MT) [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]	Span [mm]	Deflection [mm]
50,8	25	50 x 152	1492	3,98	2532	12,60	1600	7,98

The highlighted spans are allowed if the pultruded GRP gratings are supported on all edges also unsupported joints are secured by double clamps.

Double clamp

Your contact persons
We are pleased to help you!

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