LOAD TABLE FOR GRATING

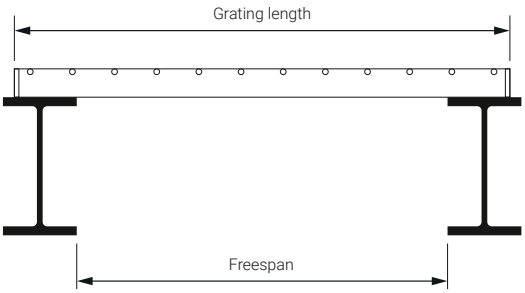
WELAND

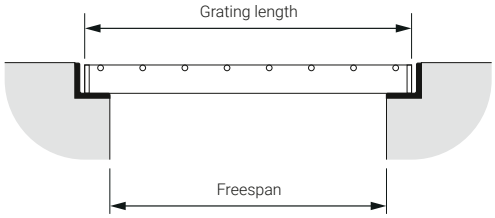
Criteria for all tables

Calculations in accordance with Eurocode are performed using a calculation program.

Partial coefficient for load = 1.5

Table values indicate characteristic loads for safety class 2





Load table for type A grating

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type A 22x22

c/c load bearing bars = 22 mm

Load bearing bar dim. (mm)	**Freespan** mm												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
20x2	93	52	33	23	14	9.5	6.7	4.9	3.7	2.8	2.2	1.8	1.4
25x2	145	81	52	36	27	19	13	9.5	7.2	5.5	4.3	3.5	2.8
30x2	209	117	75	52	38	29	23	16	12	9.5	7.5	6.0	4.9
40x2	371	209	134	93	68	52	41	33	28	23	18	14	12

Type A 33x11

c/c load bearing bars = 33 mm

Load bearing bar dim. (mm)	**Freespan** mm												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
20x2	62	35	22	15	9.5	6.4	4.5	3.3	2.4	1.9	1.5	1.2	1.0
25x2	97	54	35	24	18	12	8.7	6.4	4.8	3.7	2.9	2.3	1.9
30x2	139	78	50	35	26	20	15	11	8.3	6.4	5.0	4.0	3.3
40x2	247	139	89	62	45	35	27	22	18	15	12	9.5	7.7

Load table for grating

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type B grating

c/c load bearing bars = 12 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
20x3	255	143	92	62	39	26	18	13	10	7.8	6.1	4.9	4.0	3.3	2.3	1.7	1.3	1.0
25x3	398	224	143	100	73	51	36	26	20	15	12	9.6	7.8	6.4	4.5	3.3	2.5	1.9
30x3	574	323	207	143	105	81	62	45	34	26	21	16	13	11	7.8	5.7	4.3	3.3
35x3	781	439	281	195	143	110	87	70	54	42	33	26	21	18	12	9.0	6.8	5.2
40x3	1020	574	367	255	187	143	113	92	76	62	49	39	32	26	18	13	10	7.8

Type N grating

c/c load bearing bars = 17 or 16 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
20x2 (c/c17)	120	97	43	29	18	12	8.7	6.3	4.8	3.7	2.9	2.3	1.9	1.5	1.1	0.8	0.6	0.5
20x3 (c/c17)	180	101	65	44	28	18	13	9.5	7.1	5.5	4.3	3.5	2.8	2.3	1.6	1.2	0.9	0.7
25x2 (c/c17)	187	105	67	47	34	24	17	12	9.3	7.1	5.6	4.5	3.7	3.0	2.1	1.5	1.2	0.9
25x3 (c/c17)	281	158	101	70	52	36	25	18	14	11	8.4	6.8	5.5	4.5	3.2	2.3	1.7	1.3
30x2 (c/c17)	270	152	97	67	50	38	29	21	16	12	9.7	7.8	6.3	5.2	3.7	2.7	2.0	1.5
30x3 (c/c17)	405	228	146	101	74	57	44	32	24	18	15	12	9.5	7.8	5.5	4.0	3.0	2.3
35x3 (c/c16)	586	329	211	146	108	82	65	53	41	31	25	20	16	13	9.3	6.8	5.1	3.9
40x3 (c/c16)	765	430	275	191	140	108	85	69	57	47	37	29	24	20	14	10	7.6	5.8
45x3 (c/c16)	968	545	349	242	178	136	108	87	72	60	52	42	34	28	20	14	11	8.3
50x3 (c/c16)	1196	672	430	299	220	168	133	108	89	75	64	55	47	38	27	20	15	11

Load table for grating

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type H grating

c/c load bearing bars = 34 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
20x2	60	34	22	15	9.2	6.2	4.3	3.2	2.4									
20x3	90	51	32	22	14	9.3	6.5	4.7	3.6	2.7	2.2							
25x2	94	53	34	23	17	12	8.5	6.2	4.6	3.6	2.8	2.3						
25x3	140	79	51	35	26	18	13	9.3	7.0	5.4	4.2	3.4	2.7	2.3				
30x2	135	76	49	34	25	19	15	11	8.0	6.2	4.9	3.9	3.2	2.6				
30x3	202	114	73	51	37	28	22	16	12	9.3	7.3	5.8	4.7	3.9	2.7	2.0		
35x2	184	103	66	46	34	26	20	16	13	9.8	7.7	6.2	5.0	4.1	2.9	2.1		
35x3	276	155	99	69	51	39	31	25	19	15	12	9.3	7.5	6.2	4.4	3.2		
40x2	240	135	86	60	44	34	27	22	18	15	11	9.2	7.5	6.2	4.3	3.2		
40x3	360	202	130	90	66	51	40	32	27	22	17	14	11	9.3	6.5	4.7	3.6	2.7
45x3	455	256	164	114	84	64	51	41	34	28	24	20	16	13	9.3	6.8	5.1	3.9
50x3	563	316	202	141	103	79	62	51	42	35	30	26	22	18	13	9.3	7.0	5.4
50x4	1133	637	408	283	208	159	126	99	74	57	45	36	29	24	17	12	9.3	7.1
60x4	1632	918	587	408	300	229	181	147	121	99	78	62	51	42	29	21	16	12

Type H grating

c/c load bearing bars = 33 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
70x4	2288	1287	824	572	420	322	254	206	170	143	122	102	83	68	48	35	26	20
80x4	2989	1681	1076	747	549	420	332	269	222	187	159	137	120	102	71	52	39	30

Load table for grating

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type J grating

c/c load bearing bars = 41 mm

Load bearing bar dim. (mm)	**Freespan** mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
20x3	75	42	27	18	11	7.7	5.4	3.9	3.0	2.3								
25x3	117	66	42	29	21	15	10	7.7	5.8	4.4	3.5	2.8	2.3					
25x5	294	165	102	59	37	25	18	13	9.6	7.4	5.8	4.7	3.8	3.1	2.2	1.6	1.2	0.9
30x3	168	94	60	42	31	24	18	13	10	7.7	6.0	4.8	3.9	3.2	2.3	1.7	1.2	1.0
35x3	229	129	82	57	42	32	25	21	16	12	9.6	7.7	6.2	5.1	3.6	2.6	2.0	1.5
30x5	423	238	152	102	64	43	30	22	17	13	10	8.1	6.6	5.4	3.8	2.8	2.1	1.6
40x3	299	168	108	75	55	42	33	27	22	18	14	11	9.3	7.7	5.4	3.9	3.0	2.3
35x5	576	324	207	144	102	69	48	35	26	20	16	13	10	8.6	6.0	4.4	3.3	2.5
45x3	378	213	136	94	69	53	42	34	28	24	20	16	13	11	7.7	5.6	4.2	3.2
40x5	752	423	271	188	138	102	72	52	39	30	24	19	15	13	9.0	6.6	4.9	3.8
50x3	467	262	168	117	86	66	52	42	35	29	25	21	18	15	10	7.7	5.8	4.4
50x5	1175	661	423	294	216	165	130	102	77	59	47	37	30	25	18	13	9.6	7.4

Load table for grating – Serrated

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type H grating - Serrated

c/c load bearing bars = 33 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
25x2	71	40	26	18	12	7.9	5.6	4.0	3.0	2.3								
25x3	107	60	39	27	18	12	8.3	6.1	4.6	3.5	2.8	2.2						
30x3	163	92	59	41	30	22	16	11	8.5	6.6	5.2	4.1	3.4	2.8	1.9			
35x3	230	129	83	57	42	32	26	19	14	11	8.7	7.0	5.7	4.7	3.3	2.4	1.8	
40x3	309	174	111	77	57	43	34	28	22	17	13	11	8.8	7.3	5.1	3.7	2.8	2.1

Type N grating - Serrated

c/c load bearing bars = 16 mm

Load bearing bar dim. (mm)	Freespan mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
25x3	221	124	80	55	36	24	17	12	9.4	7.2	5.7	4.6	3.7	3.1	2.1	1.6	1.2	0.9
30x3	336	189	121	84	62	46	32	23	18	14	11	8.5	6.9	5.7	4.0	2.9	2.2	1.7
35x3	474	267	171	119	87	67	53	39	30	23	18	14	12	9.6	6.8	4.9	3.7	2.8
40x3	637	358	229	159	117	90	71	57	46	35	28	22	18	15	10	7.7	5.8	4.4

Load table for grating – Serrated

The values shown in the table indicate the permitted distributed load in kN/m^2 (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 5 kN/ m^2 or permitted deflection L/200.

Type JN9 grating - Serrated

c/c load bearing bars = 41 mm

Load bearing bar dim. (mm)	**Freespan** mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
25x5	217	122	65	38	24	16	11	8.1	6.1	4.7	3.7	3.0	2.4	2.0	1.4	1.0		
30x3	131	74	47	33	24	18	13	9.2	6.9	5.3	4.2	3.3	2.7	2.2	1.6	1.1		
30x5	330	186	119	71	44	30	21	15	11	8.8	6.9	5.6	4.5	3.7	2.6	1.9	1.4	1.1
35x5	466	262	168	117	75	50	35	26	19	15	12	9.3	7.6	6.3	4.4	3.2	2.4	1.9
45x5	809	455	291	202	149	114	80	59	44	34	27	21	17	14	10	7.3	5.5	4.2
50x5	1016	571	366	254	187	143	113	82	62	48	37	30	24	20	14	10	7.7	6.0

Type HN9 grating - Serrated

c/c load bearing bars = 36 mm

Load bearing bar dim. (mm)	**Freespan** mm																	
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400
25x3	98	55	35	25	16	11	7.6	5.6	4.2	3.2	2.5	2.0						
25x5	247	139	74	43	27	18	13	9.3	7.0	5.4	4.2	3.4	2.7	2.3	1.6	1.2	0.9	
30x3	149	84	54	37	27	20	14	10	7.8	6.0	4.7	3.8	3.1	2.5	1.8	1.3	1.0	
30x5	376	211	135	80	51	34	24	17	13	10	7.9	6.3	5.1	4.2	3.0	2.2	1.6	1.3

Load table for vehicular grating – cars

Private car (max 3000 kg):
Characteristic load 10 kN per wheel.
Load area 100x100 mm.
Compliant with SS-EN 1991-1-1

The values shown in the table indicate the permitted concentrated load in kN (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 10 kN.

Type of grating	**Freespan** mm												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
H3 30/3	7.7	6.2	5.3	4.7									
H3 35/3	9.7	7.6	6.4	5.7	5.1								
H3 40/3	12	9.2	7.7	6.7	6.0	5.5							
H3 45/3	14	11	9.1	7.9	7.0	6.4	5.9	5.5					
H3 50/3	17	13	11	9.2	8.1	7.3	6.7	6.3	5.9	5.6			
H4 35/4	19	15	12	11	8.0	6.1	4.9	3.9	3.2	2.7			
H4 40/4	24	18	15	13	12	9.2	7.2	5.9	4.8	4.1			
H4 45/4	29	22	18	15	14	12	10	8.4	6.9	5.8			
H3 50/4	35	26	22	18	16	15	13	11	9.2	7.7	6.6	5.7	4.9
H3 60/4	49	36	29	25	21	19	18	16	15	13	11	10	8.5
H3 70/4	67	49	39	33	29	26	23	21	20	19	17	16	14
H3 80/4	86	63	50	42	36	32	29	26	24	23	21	20	19

Load table for drivable vehicular grating – Vehicles between 3-16 tonnes total weight

Vehicles between 3 - 16 tonnes total weight (general traffic):
Characteristic load 45 kN per wheel.
Load area 200x200 mm.
Compliant with SS-EN-1991-1-1

The values shown in the table indicate the permitted concentrated load in kN (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of 45 kN.

Type of grating	**Freespan** mm												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
H3 30/3	17	12	10	7.8	5.7	4.4	3.5	2.8	2.3	1.9	1.7	1.4	1.2
H3 35/3	22	15	12	10	9.1	7.0	5.5	4.4	3.7	3.1	2.6	2.3	2.0
H3 40/3	27	19	15	13	11	10	8.2	6.6	5.5	4.6	3.9	3.4	3.0
H3 45/3	34	23	18	15	13	12	11	9.5	7.8	6.6	5.6	4.8	4.2
H3 50/3	41	28	22	18	16	14	13	11	10	9.0	7.7	6.6	5.8
H4 35/4	44	31	24	17	12	9.5	7.5	6.1	5.1	4.2	3.6	3.1	2.7
H4 40/4	56	39	30	25	18	14	11	9.1	7.5	6.3	5.4	4.7	4.1
H4 45/4	69	48	37	31	26	20	16	13	10	9.0	7.7	6.6	5.8
H3 50/4	84	58	45	38	33	27	21	17	14	12	10	8.8	7.7
H3 60/4	117	80	62	51	44	39	35	29	24	20	17	15	13
H3 70/4	162	110	85	69	59	51	46	42	38	34	28	24	21
H3 80/4	209	142	108	88	75	65	58	52	48	44	41	37	32
F4 80/5	340	229	174	140	118	102	90	81	74	68	63	58	53

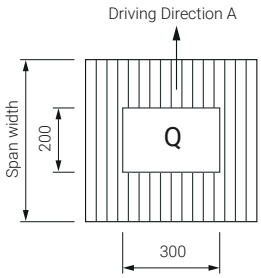
Load table for vehicular grating – heavy vehicles

Characteristic load **55 kN** per wheel (incl. dynamic supplement).
Load area 300x200 mm.
Compliant with BFS 2019:1 EKS11

The values shown in the table indicate the permitted concentrated load in kN (characteristic value).
Permitted deflection = L/200.
The values shown in the greyed boxes do NOT satisfy the load requirement of **55 kN**.
Freespan in excess of 1000 mm are not recommended.

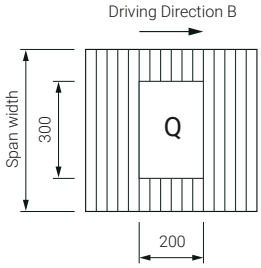
Traffic direction A, along the load bearing bars.

Type of grating	Freespan mm									
	300	400	500	600	700	800	900	1000	1100	1200
H3 50/3	60	41	31	26	22	19	17	16	14	12
H4 35/4	63	44	33	23	16	13	10	8	6	5
H4 40/4	81	56	43	34	25	19	15	12	10	8
H4 45/4	101	69	53	44	36	27	22	17	14	12
H3 50/4	122	84	65	53	46	36	29	23	19	16
H3 60/4	172	117	90	73	62	54	48	40	33	28
H3 70/4	239	162	124	100	85	74	66	59	54	46
H3 80/4	310	209	159	129	109	94	83	75	68	62
F4 80/5	506	340	257	207	174	150	132	118	107	98



Traffic direction B, perpendicular to the load bearing bars.

Type of grating	Freespan mm									
	300	400	500	600	700	800	900	1000	1100	1200
H3 50/3	55	35	26	21	18	16	14	13	10	9
H4 35/4	59	38	24	17	12	9	7	6	5	4
H4 40/4	75	48	36	25	18	14	11	9	7	6
H4 45/4	62	58	44	36	26	20	16	13	10	9
H3 50/4	112	71	53	44	35	27	21	17	14	12
H3 60/4	156	98	73	59	50	44	36	29	24	20
H3 70/4	216	133	98	79	66	57	51	46	40	34
H3 80/4	279	171	125	100	83	72	64	57	52	48
F4 80/5	453	276	200	158	131	112	98	88	80	73



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Load table for vehicular grating – fork lift trucks

Forklift classes compliant with SS-EN 1991-1-1

Load area: 200 x 200 mm.

Class	Net weight	Lifting capacity	Characteristic load per wheel incl. dynamic factor	
			Pneumatic tyres	Homogeneous tyres
FL1	21 kN	10 kN	18 kN	26 kN
FL2	31 kN	15 kN	28 kN	40 kN
FL3	44 kN	25 kN	44 kN	63 kN
FL4	60 kN	40 kN	63 kN	90 kN
FL5	90 kN	60 kN	98 kN	140 kN
FL6	110 kN	80 kN	119 kN	170 kN

The values shown in the table indicate the permitted concentrated load in kN (characteristic value).
Permitted deflection = L/200.

Type of grating	**Freespan** mm												
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
H3 30/3	17	12	10	7.8	5.7	4.4	3.5	2.8	2.3	1.9	1.7	1.4	1.2
H3 35/3	22	15	12	10	9.1	7.0	5.5	4.4	3.7	3.1	2.6	2.3	2.0
H3 40/3	27	19	15	13	11	10	8.2	6.6	5.5	4.6	3.9	3.4	3.0
H3 45/3	34	23	18	15	13	12	11	9.5	7.8	6.6	5.6	4.8	4.2
H3 50/3	41	28	22	18	16	14	13	11	10	9.0	7.7	6.6	5.8
H4 35/4	44	31	24	17	12	9.5	7.5	6.1	5.1	4.2	3.6	3.1	2.7
H4 40/4	56	39	30	25	18	14	11	9.1	7.5	6.3	5.4	4.7	4.1
H4 45/4	69	48	37	31	26	20	16	13	10	9.0	7.7	6.6	5.8
H3 50/4	84	58	45	38	33	27	21	17	14	12	10	8.8	7.7
H3 60/4	117	80	62	51	44	39	35	29	24	20	17	15	13
H3 70/4	162	110	85	69	59	51	46	42	38	34	28	24	21
H3 80/4	209	142	108	88	75	65	58	52	48	44	41	37	32
F4 80/5	340	229	174	140	118	102	90	81	74	68	63	58	53

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Load table for vehicular grating – Hand Trucks

Hand pallet jack - low lifter

Lifting capacity	Load per wheel
500 kg	2 kN
750 kg	3 kN
1000 kg	4 kN
1200 kg	5 kN
1500 kg	6 kN
2000 kg	8 kN

Hand pallet jack - pallet stacker

Lifting capacity	Load per wheel
500 kg	4 kN
750 kg	5 kN
1000 kg	6 kN
1200 kg	8 kN
1500 kg	10 kN
2000 kg	13 kN

The table gives the permitted load (kN) per wheel.
Load area 40x80 mm.

Type H3 and H4 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
H3 25/2	3.6	3.0	2.5	1.9	1.3						
H3 30/2	4.3	3.5	3.1	2.8	2.2	1.6	1.1				
H3 40/2	6.1	4.5	3.9	3.5	3.2	3.0	2.6	1.9	1.5	1.2	
H3 25/3	4.4	3.5	3.1	2.8	1.9	1.4	1.0				
H3 30/3	5.5	4.2	3.6	3.2	3.0	2.5	1.7	1.2			
H3 35/3	6.7	4.9	4.1	3.7	3.4	3.2	2.7	2.0	1.5	1.2	
H3 40/3	8.1	5.8	4.8	4.2	3.8	3.5	3.0	2.6	2.2	1.8	1.4
H3 45/3	10	6.8	5.5	4.7	4.2	3.9	3.3	2.9	2.6	2.4	2.0
H3 50/3	12	7.9	6.3	5.4	4.8	4.4	3.6	3.2	2.8	2.6	2.4
H4 35/4	13	9.4	7.7	6.8	6.2	5.3	3.6	2.7	2.0	1.6	1.3
H4 40/4	16	10	9.0	7.8	7.0	6.5	5.4	4.0	3.1	2.4	2.0
H4 45/4	19	13	11	9.0	8.0	7.3	6.0	5.3	4.3	3.4	2.8
H3 50/4	24	16	13	11	10	9.1	7.6	6.7	5.8	4.6	3.7
H3 60/4	32	21	17	14	12	11	9.2	8.0	7.1	6.5	6.0
H3 70/4	43	28	22	18	16	14	11	10	8.7	7.8	7.2
H3 80/4	55	36	27	22	19	17	15	13	11	10	8.7

Continued from previous page.

Load table for vehicular grating – Hand Trucks

The table shows the permitted load (kN) per wheel.
Load area 40x80 mm.
For span widths ≥ 800 mm, the load from both fork wheels has been taken into account.

Type F4 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
F4 80/5	88	56	42	33	28	25	20	17	14	13	12

Type N6 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
N6 20/2	4.0	3.3	2.9	1.9	1.3	1.0					
N6 25/2	5.2	4.0	3.4	3.1	2.6	1.9	1.3	1.0			
N6 30/2	6.6	4.8	4.0	3.6	3.3	3.1	2.2	1.6	1.2	1.0	

Type N9 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
N9 20/3	4.6	3.4	2.9	2.6	2.0	1.5	1.0				
N9 25/3	6.3	4.4	3.6	3.2	2.9	2.7	1.9	1.4	1.1		
N9 30/3	8.4	5.7	4.6	3.9	3.5	3.2	2.6	2.3	1.9	1.5	1.2
N9 35/3	13	10	7.9	7	6.4	5.9	5.0	4.1	3.2	2.5	2.0
N9 40/3	17	12	9.3	8	7.2	6.7	5.6	4.9	4.5	3.7	3.0
N9 50/3	24	16	13	11	9.3	8.4	7.8	6.6	5.7	5.1	4.7

Type A33x11 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
A33x11 25/2	5.7	3.5	2.5	1.9	1.3	1.0					
A33x11 30/2	10	5.1	3.7	2.9	2.3	1.7	1.1				
A33x11 40/2	13	9.0	6.5	5.1	4.2	3.5	2.7	2.0	1.5	1.2	1.0

Type A22x22 grating

Type of grating	**Freespan** mm										
	200	300	400	500	600	700	800	900	1000	1100	1200
A22x22 25/2	8.6	5.3	3.8	2.9	2.0	1.5	1.0				
A22x22 30/2	15	7.6	5.5	4.3	3.4	2.5	1.7	1.3	1.0		
A22x22 40/2	20	14	10	7.6	6.3	5.3	4.1	3.0	2.3	1.8	1.5

Load table for Entrance Grating - shopping trolleys

Specified loads are characteristic TOTAL LOADS on the whole trolley, incl. own weight.
Permitted deflection = L/200
Load distributed over 4 solid rubber wheels, each 40 mm wide
1/4 of the total load on the load area 40x40 mm

To the left of the blue marking, permitted load is > 500 kg (Building trade)
To the left of the green marking, permitted load is > 300 kg (Grocery trade)

Type of grating								
	500	600	700	800	900	1000	1100	1200
N6 25/2	7.4	6.7	6.2	5.1	3.8	2.9	2.3	1.8
N6 30/2	9.3	8.3	7.5	6.2	5.4	4.8	4.0	3.2
N9 25/3	11.1	10.0	9.2	7.6	5.6	4.3	3.4	2.7
N9 30/3	13.8	12.3	11.2	9.2	8.0	7.2	5.9	4.8
N9 35/3	24.2	21.9	20.3	17.0	15.0	12.6	10.0	8.1
N9 40/3	28.2	25.3	23.2	19.2	16.9	15.2	14.0	12.1

Type of grating								
	500	600	700	800	900	1000	1100	1200
A33x11 25/2	7.6	5.3	3.9	2.6	1.9	1.5	1.2	1.0
A33x11 30/2	11.0	9.1	6.7	4.6	3.4	2.6	2.0	1.6
A33x11 40/2	19.5	16.1	13.7	10.6	8.0	6.1	4.8	3.9
A22x22 25/2	11.4	8.0	5.8	4.0	2.9	2.2	1.8	1.4
A22x22 30/2	16.4	13.6	10.1	6.9	5.0	3.9	3.1	2.6
A22x22 40/2	29.2	24.2	20.6	16.0	12.0	9.1	7.2	5.8

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