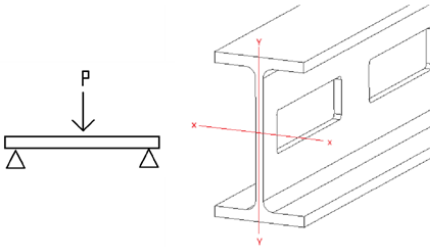


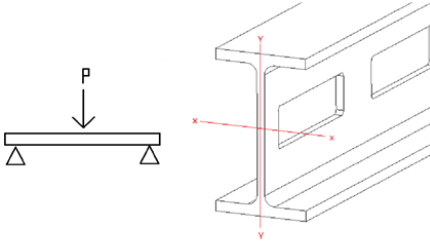
Maximal point loads (X-X)				
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	44,14	0,09	1,25	44,14
500	22,06	0,34	2,50	22,06
750	14,70	0,77	3,75	14,70
1000	11,01	1,37	5,00	11,01
1250	8,79	2,13	6,25	8,79
1500	7,32	3,07	7,50	7,32
1750	6,26	4,17	8,75	6,26
2000	5,46	5,43	10,00	5,46
2250	4,84	6,85	11,25	4,84
2500	4,34	8,43	12,50	4,34
2750	3,94	10,17	13,75	3,94
3000	3,59	12,06	15,00	3,59
3250	3,30	14,10	16,25	3,30
3500	3,06	16,28	17,50	3,06
3750	2,84	18,60	18,75	2,84
4000	2,65	21,05	20,00	2,52
4250	2,48	23,63	21,25	2,23
4500	2,33	26,34	22,50	1,99
4750	2,19	29,17	23,75	1,78
5000	2,07	32,11	25,00	1,61
5250	1,96	35,15	26,25	1,46
5500	1,85	38,30	27,50	1,33
5750	1,76	41,53	28,75	1,22
6000	1,67	44,85	30,00	1,12

Atkore Vergokan	
Profile type	IPE80S
Maximal allowable deflection	L / 200
Parameters	
Zx-x	20,0 cm ³
Zy-y	2,1 cm ³
Ix-x	80 cm ⁴
Iy-y	8 cm ⁴
Weight profile	56,1 N/m
Yield strength	235,0 Mpa
Safety factor	1,7

Load scenario

For questions please contact your sales representative.

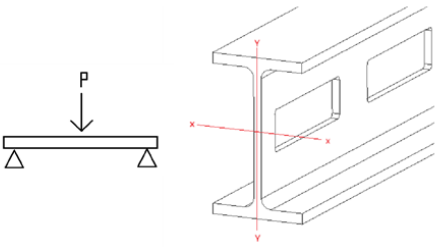
Maximal distributed loads Unistrut profiles (Y-Y)				
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	9,36	0,17	1,25	9,36
500	4,66	0,68	2,50	4,66
750	3,08	1,52	3,75	3,08
1000	2,29	2,68	5,00	2,29
1250	1,81	4,13	6,25	1,81
1500	1,48	5,84	7,50	1,48
1750	1,24	7,78	8,75	1,24
2000	1,06	9,92	10,00	1,06
2250	0,92	12,20	11,25	0,84
2500	0,80	14,58	12,50	0,68
2750	0,70	16,99	13,75	0,57
3000	0,613	19,37	15,00	0,47
3250	0,54	21,65	16,25	0,40
3500	0,47	23,75	17,50	0,35
3750	0,41	25,59	18,75	0,30
4000	0,36	27,08	20,00	0,27
4250	0,31	28,13	21,25	0,24
4500	0,27	28,63	22,50	0,21
4750	0,23	28,47	23,75	0,19
5000	0,19	27,55	25,00	0,17
5250	0,15	25,74	26,25	0,15
5500	0,12	22,91	27,50	0,12
5750	0,09	18,94	28,75	0,09
6000	0,05	13,68	30,00	0,05

Atkore Vergokan	
Profile type	IPE80S
Maximal allowable deflection	L / 200
Parameters	
Zx-x	20,0 cm ³
Zy-y	2,1 cm ³
Ix-x	80 cm ⁴
Iy-y	8 cm ⁴
Weight profile	56,1 N/m
Yield strength	235,0 Mpa
Safety factor	1,7

Load scenario

For questions please contact your sales representative.

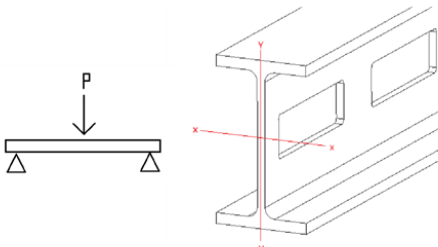
Maximal distributed loads (X-X)				
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	88,28	0,17	1,25	88,28
500	44,12	0,69	2,50	44,12
750	29,39	1,54	3,75	29,39
1000	22,02	2,74	5,00	22,02
1250	17,59	4,27	6,25	17,59
1500	14,63	6,14	7,50	14,63
1750	12,52	8,33	8,75	12,52
2000	10,93	10,86	10,00	10,06
2250	9,68	13,71	11,25	7,95
2500	8,69	16,87	12,50	6,44
2750	7,87	20,34	13,75	5,32
3000	7,190	24,12	15,00	4,47
3250	6,61	28,19	16,25	3,81
3500	6,11	32,55	17,50	3,29
3750	5,68	37,19	18,75	2,86
4000	5,29	42,10	20,00	2,52
4250	4,96	47,27	21,25	2,23
4500	4,65	52,68	22,50	1,99
4750	4,38	58,34	23,75	1,78
5000	4,13	64,21	25,00	1,61
5250	3,91	70,30	26,25	1,46
5500	3,71	76,59	27,50	1,33
5750	3,52	83,06	28,75	1,22
6000	3,34	89,71	30,00	1,12

Atkore Vergokan	
Profile type	IPE80S
Maximal allowable deflection	L / 200
Parameters	
Zx-x	20,0 cm ³
Zy-y	2,1 cm ³
Ix-x	80 cm ⁴
Iy-y	8 cm ⁴
Weight profile	56,1 N/m
Yield strength	235,0 Mpa
Safety factor	1,7

Load scenario	
	
For questions please contact your sales representative.	

Maximal point loads (Y-Y)				
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	4,68	0,09	1,25	4,68
500	2,33	0,34	2,50	2,33
750	1,54	0,76	3,75	1,54
1000	1,14	1,34	5,00	1,14
1250	0,90	2,06	6,25	0,90
1500	0,74	2,92	7,50	0,74
1750	0,62	3,89	8,75	0,62
2000	0,53	4,96	10,00	0,53
2250	0,46	6,10	11,25	0,46
2500	0,40	7,29	12,50	0,40
2750	0,35	8,49	13,75	0,35
3000	0,307	9,68	15,00	0,31
3250	0,27	10,82	16,25	0,27
3500	0,24	11,87	17,50	0,24
3750	0,21	12,80	18,75	0,21
4000	0,18	13,54	20,00	0,18
4250	0,16	14,06	21,25	0,16
4500	0,13	14,31	22,50	0,13
4750	0,11	14,24	23,75	0,11
5000	0,09	13,77	25,00	0,09
5250	0,08	12,87	26,25	0,08
5500	0,06	11,45	27,50	0,06
5750	0,04	9,47	28,75	0,04
6000	0,03	6,84	30,00	0,03

Atkore Vergokan	
Profile type	IPE80S
Maximal allowable deflection	L / 200
Parameters	
Zx-x	20,0 cm ³
Zy-y	2,1 cm ³
Ix-x	80 cm ⁴
Iy-y	8 cm ⁴
Weight profile	56,1 N/m
Yield strength	235,0 Mpa
Safety factor	1,7

Load scenario	
	
For questions please contact your sales representative.	