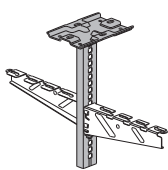
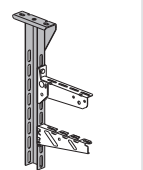
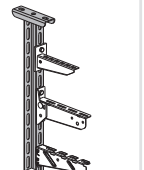
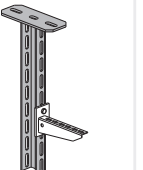
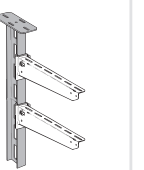
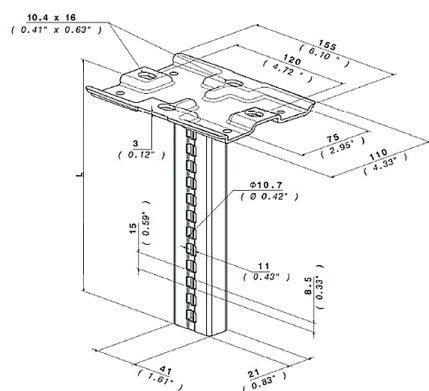


PLAFONDSTEUNEN

P21S	U50	U55	U60	I-80
				
PLAFONDSTEUN LICHT	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN ZWAAR	PLAFONDSTEUN EXTRA ZWAAR

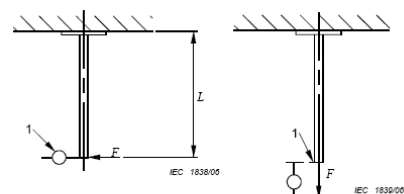
P21S

Plafondsteun licht



Plafondsteun licht P21S

	Moment 1% uitbuiging	Symmetrische belasting	Dikte (mm)	Lengte (mm)	Gewicht (kg)	Ref. EZ
P21S steun L200	90 Nm	14000N	1,5	210	0,661	VG348139
P21S steun L300	90 Nm	14000N	1,5	310	0,779	VG348140
P21S steun L400	90 Nm	14000N	1,5	410	0,894	VG348141
P21S steun L500	90 Nm	14000N	1,5	510	1,009	VG348142
P21S steun L600	90 Nm	14000N	1,5	610	1,126	VG348143
P21S steun L700	90 Nm	14000N	1,5	710	1,241	VG348144
P21S steun L800	90 Nm	14000N	1,5	810	1,357	VG348145
P21S steun L900	90 Nm	14000N	1,5	910	1,473	VG348147
P21S steun L1000	90 Nm	14000N	1,5	1010	1,589	VG348146
P21S steun L1200	90 Nm	14000N	1,5	1210	1,821	VG348148



Key
1 Deflection measurement point
F Force
L Length

Key
1 Elongation measurement point
F Force

Figure 7a – Test set-up for bending moment at the ceiling plate

Figure 7b – Test set-up for tensile strength

Safe working load (L = 800 mm)

Maximale deflectie (doorbuiging)	M1 (daNm) fig 7a	M1 (daNm) fig 7a	F (daN) fig 7b
1/20 (30 mm)	19	30	1400
1/100 (8 mm)	5	9	1400



Beschermpak geel EP21S

	Gewicht (kg)	Ref. Kunststof Ref.
Beschermpak geel EP21S	0,002	VG348576

Om de uiteinde(s) te beschermen van de plafondsteun P21S of profiel R21S

Deze gele beschermkap is schroefloos te bevestigen op de P21S en R21S steunen en profielen

MATERIAALSOORTEN

EZ Elektrolytisch verzinkt
Norm EN ISO 2081

GS Sendzimir verzinkt
Norm EN 10346

RAL 2222 Poedercoat (gelakt)

GC Thermisch verzinkt
Norm EN ISO 1461

DC Geomet bescherming

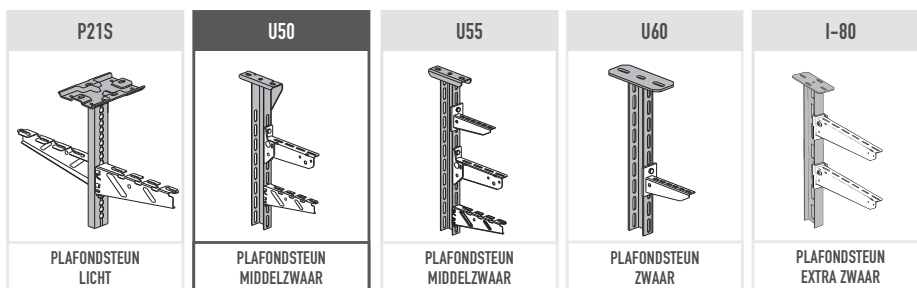
304L RVS 304 L (Inox)
Norm EN 10088-2

316L RVS 316 L (Inox)
Norm EN 10088-2

GEM. Gemenied

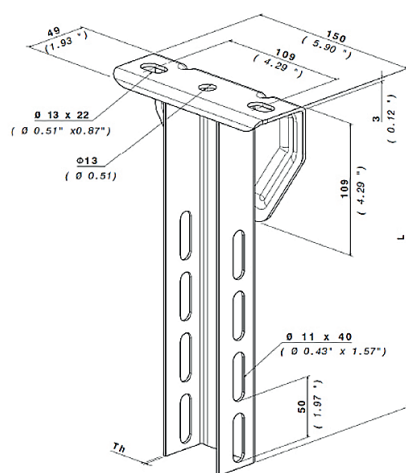
ALU Aluminium

PLAFONDSTEUNEN



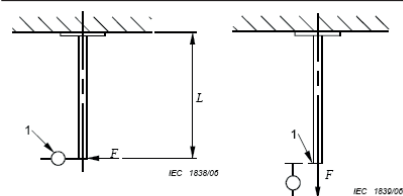
P21S

Plafondsteun middelzwaar



Plafondsteun middelzwaar U50

						Ref.
	Moment 1% uitbuiging	Symmetrische belasting	Dikte (mm)	Lengte (mm)	Gewicht (kg)	
U50 steun L250	210 Nm	7000N	2	256	0,933	VG348092
U50 steun L300	210 Nm	7000N	2	306	1,013	VG348093
U50 steun L400	210 Nm	7000N	2	406	1,173	VG348094
U50 steun L500	210 Nm	7000N	2	506	1,333	VG348095
U50 steun L600	210 Nm	7000N	2	606	1,493	VG348096
U50 steun L700	210 Nm	7000N	2	706	1,653	VG348097
U50 steun L800	210 Nm	7000N	2	806	1,813	VG348098
U50 steun L900	210 Nm	7000N	2	906	1,973	VG348099
U50 steun L1000	210 Nm	7000N	2	1006	2,133	VG348090
U50 steun L1100	210 Nm	7000N	2	1106	2,293	VG348091
U50 steun L1200	210 Nm	7000N	2	1206	2,453	VG348089



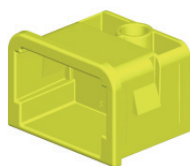
Key	Key
1 Deflection measurement point	1 Elongation measurement point
F Force	F Force
L Length	

Figure 7a – Test set-up for bending moment at the ceiling plate

Figure 7b – Test set-up for tensile strength

Safe working load ($L = 800$ mm)

Maximale deflectie (doorbuiging)	M1 (daNm) fig 7a 	M1 (daNm) fig 7a 	F (daN) fig 7b
1/20 [30 mm]	5	25	700
1/100 [8 mm]	1	21	700



Beschermkap U56

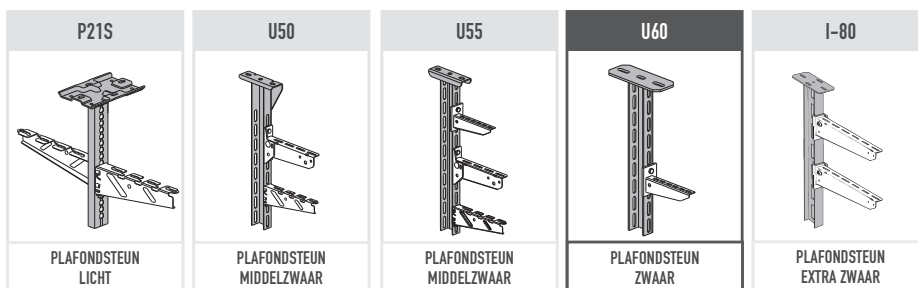
	Ref.
	Gewicht (kg)
Beschermkap geel U56	0,041
	Kunststof
	VG348575

Om de uiteinde(s) te beschermen van de plafondsteunen en profielen U50, U55 en U60
Deze gele beschermkap is schroefloos te bevestigen.

MATERIAALSOORTEN

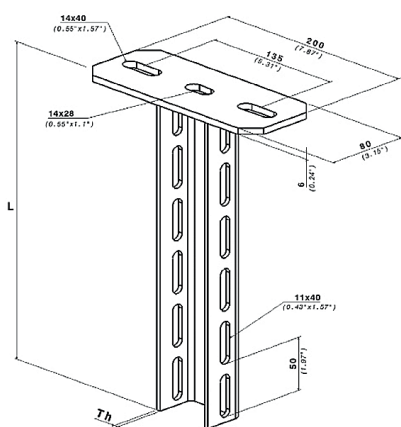
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	Sendzimir verzinkt Norm EN 10346		Geomet bescherming		Gemenied
	Poedercoat (gelakt)		RVS 304 L (Inox) Norm EN 10088-2		Aluminium

PLAFONDSTEUNEN



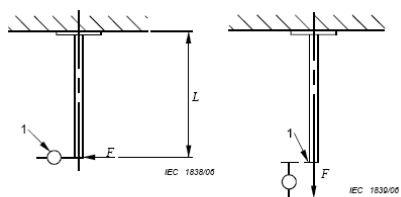
U60

Plafondsteun zwaar



Plafondsteun zwaar U60

	Moment 1% uitbuiging	Symmetrische belasting	Dikte (mm)	Lengte (mm)	Gewicht (kg)	Ref.
						GC
U60 steun L200	530 Nm	9000N	4	206	1,390	VG348382
U60 steun L300	530 Nm	9000N	4	306	1,730	VG348383
U60 steun L400	530 Nm	9000N	4	406	2,080	VG348384
U60 steun L500	530 Nm	9000N	4	506	2,400	VG348385
U60 steun L600	530 Nm	9000N	4	606	2,760	VG348386
U60 steun L700	530 Nm	9000N	4	706	3,100	VG348387
U60 steun L800	530 Nm	9000N	4	806	3,450	VG348388
U60 steun L900	530 Nm	9000N	4	906	3,790	VG348389
U60 steun L1000	530 Nm	9000N	4	1006	4,140	VG348390
U60 steun L1100	530 Nm	9000N	4	1106	4,470	VG348391
U60 steun L1200	530 Nm	9000N	4	1206	4,820	VG348392
U60 steun L1300	530 Nm	9000N	4	1306	5,170	VG348393
U60 steun L1400	530 Nm	9000N	4	1406	5,500	VG348394
U60 steun L1500	530 Nm	9000N	4	1506	5,860	VG348395
U60 steun L1600	530 Nm	9000N	4	1606	6,180	VG348397
U60 steun L1800	530 Nm	9000N	4	1806	6,870	VG348381
U60 steun L2000	530 Nm	9000N	4	2006	7,560	VG348396
U55 steun L1200	260 Nm	7000N	2	1203	2,380	VG348372



Key
1 Deflection measurement point
F Force
L Length

Figure 7a – Test set-up for bending moment at the ceiling plate

Key
1 Elongation measurement point
F Force

Figure 7b – Test set-up for tensile strength

Safe working load (L = 800 mm)

	M1 (daNm) fig 7a	M1 (daNm) fig 7a	F (daN) fig 7b
Maximale deflectie (doorbuiging)			
1/20 (30 mm)	69	95	900
1/100 (8 mm)	33	53	900

MATERIAALSOORTEN

EZ Elektrolytisch verzinkt
Norm EN ISO 2081

GS Sendzimir verzinkt
Norm EN 10346

RAL 2222 Poedercoat (gelakt)

GC Thermisch verzinkt
Norm EN ISO 1461

DC Geomet bescherming

304L RVS 304 L (Inox)
Norm EN 10088-2

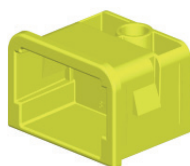
316L RVS 316 L (Inox)
Norm EN 10088-2

GEM. Gemenied

ALU Aluminium



Legrand Group Belgium
Kouterveldstraat 9, 1831 Diegem
Tel.: (+32) 02 719 17 11 - Fax : (+32) 02 719 17 00



Beschermkap U56

		Ref.
	Gewicht (kg)	Kunststof
Beschermkap geel U56	0,041	VG348575

Om de uiteinde(s) te beschermen van de plafondsteunen en profielen U50, U55 en U60
Deze gele beschermkap is schroefloos te bevestigen.

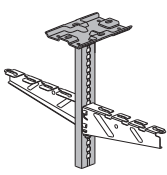
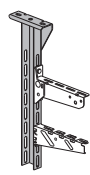
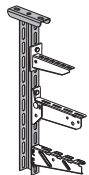
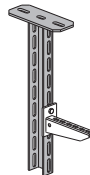
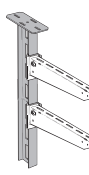
MATERIAALSOORTEN

- EZ** Elektrolytisch verzinkt
Norm EN ISO 2081
- GS** Sendzimir verzinkt
Norm EN 10346
- RAL 2222** Poedercoat (gelakt)

- GC** Thermisch verzinkt
Norm EN ISO 1461
- DC** Geomet bescherming
- 304L** RVS 304 L (Inox)
Norm EN 10088-2

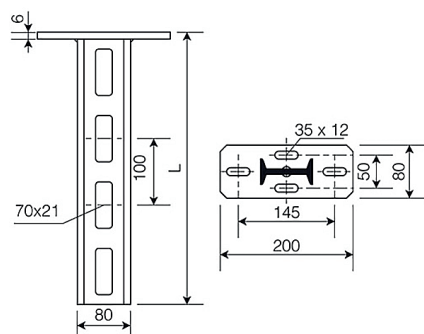
- 316L** RVS 316 L (Inox)
Norm EN 10088-2
- GEM.** Gemenied
- ALU** Aluminium

PLAFONDSTEUNEN

P21S	U50	U55	U60	I-80
				
PLAFONDSTEUN LICHT	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN ZWAAR	PLAFONDSTEUN EXTRA ZWAAR

I-80

Plafondsteun extra zwaar



Plafondsteun extra zwaar I-80

	Moment 1% uitbuiging	Symmetrische belasting	Dikte (mm)	Lengte (mm)	Gewicht (kg)	Ref. 
I-80 steun L200	1440 Nm	10000N	6	200	1,900	VG8766802
I-80 steun L300	1440 Nm	10000N	6	300	2,500	VG8766803
I-80 steun L400	1440 Nm	10000N	6	400	3,000	VG8766804
I-80 steun L500	1440 Nm	10000N	6	500	3,600	VG8766805
I-80 steun L600	1440 Nm	10000N	6	600	4,200	VG8766806
I-80 steun L700	1440 Nm	10000N	6	700	4,800	VG8766807
I-80 steun L800	1440 Nm	10000N	6	800	5,400	VG8766808
I-80 steun L900	1440 Nm	10000N	6	900	6,000	VG8766809
I-80 steun L1000	1440 Nm	10000N	6	1000	6,600	VG8766810
I-80 steun L1200	1440 Nm	10000N	6	1200	8,000	VG8766812
I-80 steun L1400	1440 Nm	10000N	6	1400	9,100	VG8766814
I-80 steun L1600	1440 Nm	10000N	6	1600	10,300	VG8766816
I-80 steun L1800	1440 Nm	10000N	6	1800	11,500	VG8766818
I-80 steun L2000	1440 Nm	10000N	6	2000	12,700	VG8766820

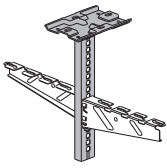
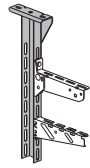
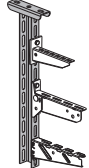
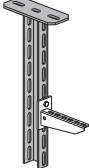
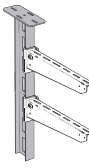
MATERIAALSOORTEN

	Elektrolytisch verzinkt Norm EN ISO 2081
	Sendzimir verzinkt Norm EN 10346
	Poedercoat (gelakt)

	Thermisch verzinkt Norm EN ISO 1461
	Geomet bescherming
	RVS 304 L (Inox) Norm EN 10088-2

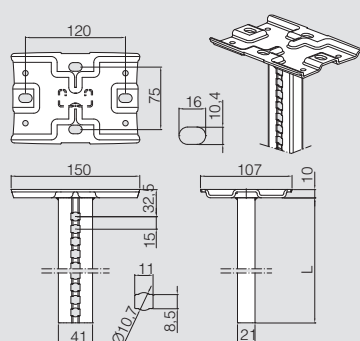
	RVS 316 L (Inox) Norm EN 10088-2
	Gemenied
	Aluminium

PLAFONDSTEUNEN

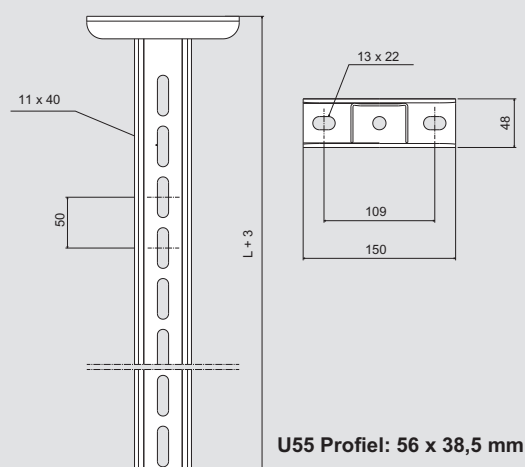
P21S	U50	U55	U60	I-80
				
PLAFONDSTEUN LICHT	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN ZWAAR	PLAFONDSTEUN EXTRA ZWAAR

Maattekeningen

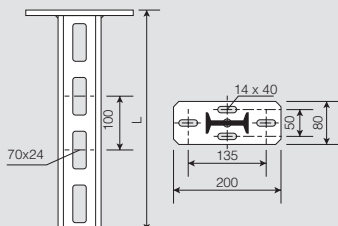
Steun P21S licht



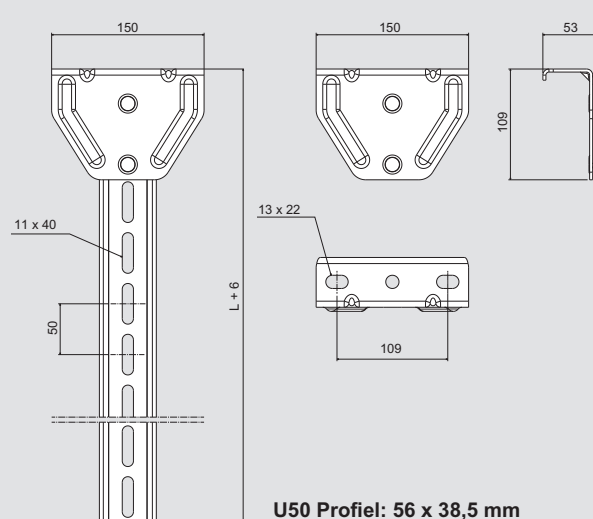
Steun U55 middelzwaar



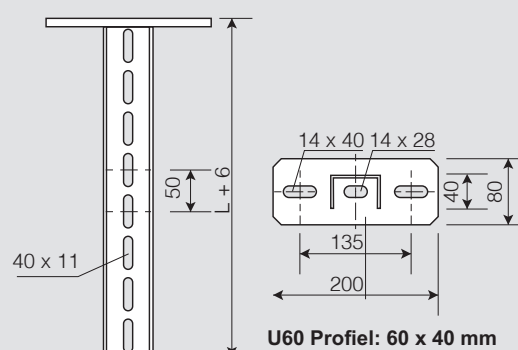
Steun I-80 extra zwaar



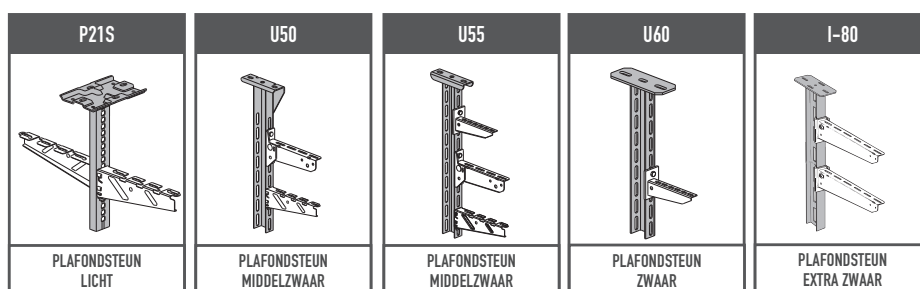
Steun U50 middelzwaar



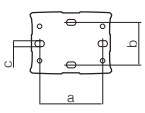
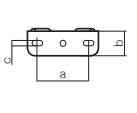
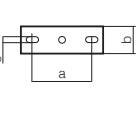
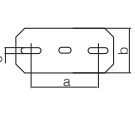
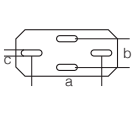
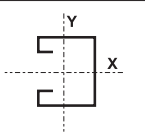
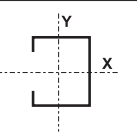
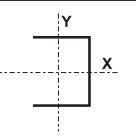
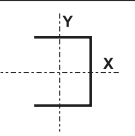
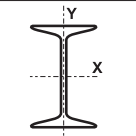
Steun U60 zwaar



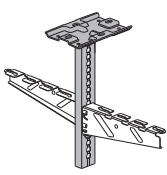
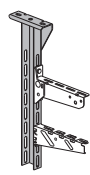
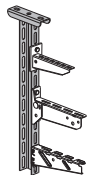
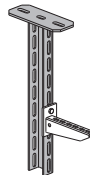
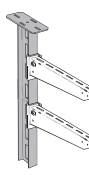
PLAFONDSTEUNEN



Technische gegevens

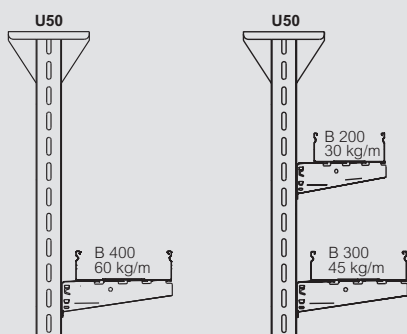
		P21S	U50	U55	U60	I80
Moment 1% uitbuiging		90Nm	210Nm	270Nm	530Nm	1440Nm
Symmetrische belasting		14.000 N	7.000N	12.000N	9.000N	10.000N
Kopplaat gegevens						
a (mm)		120	109	109	135	135
b (mm)		75	49	48	80	50
c (mm)		10,4	13	13	14	14
Profielgegevens						
Afmeting profiel		41x21x1,5	56x38,5x2	56x38,5x2	60x40x4	80x42
A = Doorsnede (cross-sectional area)	cm ²	1,53	2,54	2,54	5,07	7,48
I_x = Traagheidsmoment (moment of inertia)	cm ⁴	3,673	13,255	13,255	28,058	76,192
r_x = Traagheidsstraal (radius of gyration)	cm	1,55	2,29	2,29	2,35	3,19
W_x = Weerstandsmoment (section modulus)	cm ³	1,792	4,734	4,734	9,353	19,048
I_y = Traagheidsmoment (moment of inertia)	cm ⁴	0,944	3,81	3,81	8,065	5,599
r_y = Traagheidsstraal (radius of gyration)	cm	0,78	1,23	1,23	1,26	0,87
W_{y-links} = Weerstandsmoment (section modulus)	cm ³	0,781	1,453	1,453	3,032	2,666
W_{y-rechts} = Weerstandsmoment (section modulus)	cm ³	1,059	3,103	3,103	6,017	2,666
Perforatiepatroon profiel		11x8,5 h.o.h. 15	40x11 h.o.h. 50	40x11 h.o.h. 50	40x11 h.o.h. 50	70x21 h.o.h. 100
Materiaal		Elektrolytisch verzinkt	Sendzimir verzinkt	Thermisch verzinkt	Thermisch verzinkt	Thermisch verzinkt

PLAFONDSTEUNEN

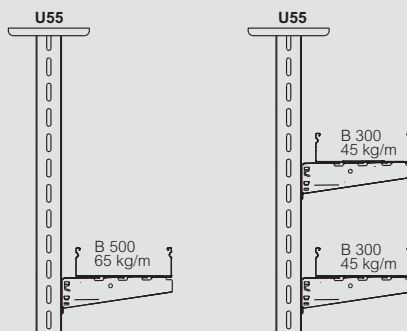
P21S	U50	U55	U60	I-80
				
PLAFONDSTEUN LICHT	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN MIDDELZWAAR	PLAFONDSTEUN ZWAAR	PLAFONDSTEUN EXTRA ZWAAR

Belastinggegevens U50/U55/U60

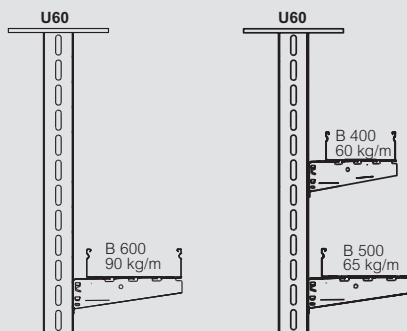
■ Enkelzijdige ophanging
Steunafstand 1,5 m
Maximale belasting bij 1% doorbuiging



Maximale enkelzijdige belasting: 210 Nm

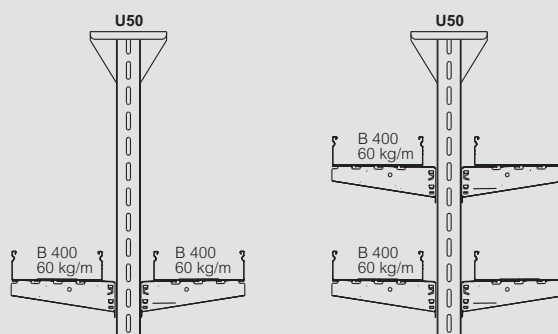


Maximale enkelzijdige belasting: 270 Nm

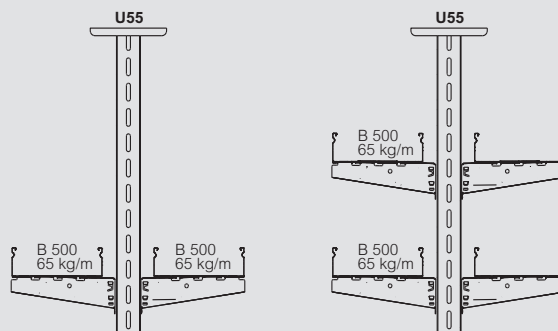


Maximale enkelzijdige belasting: 530 Nm

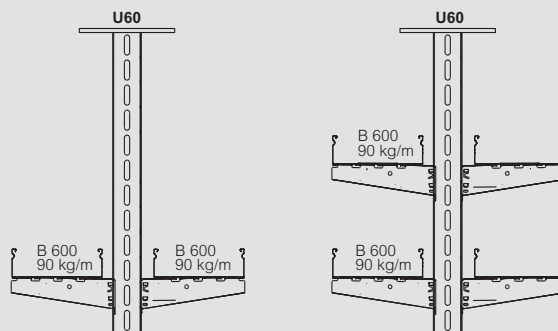
■ Tweezijdige ophanging
Steunafstand 1,5 m
Maximale belasting bij 1% doorbuiging



Maximale symmetrische (tweezijdige) belasting: 6000 N



Maximale symmetrische (tweezijdige) belasting: 7000 N



Maximale symmetrische (tweezijdige) belasting: 9000 N