

BUILDING STRUCTURE TECHNOLOGY

KIT SYSTEMS PRODUCT RANGE

V>SELF 40 Series
V>EASY 50 Series
V>CORE 80 Series
V>LINE 100 Series
V>KING 120 Series
V>GIANT 150 Series



About ProMAKS

ProMAKS V-Series is a structure technology designed for faster, flexible and durable building solutions with high capacity production.

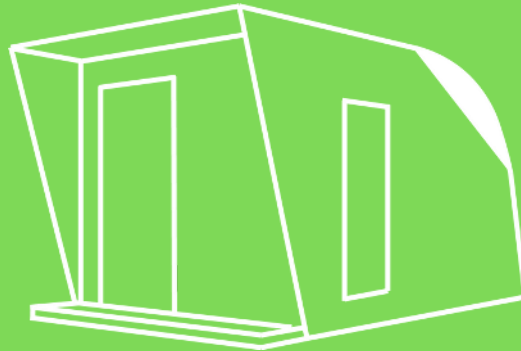
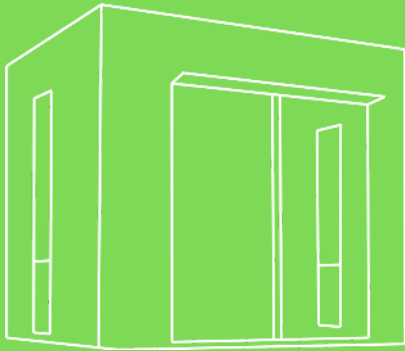
We offer our range of innovative systems available as flat packed kits, complete with everything you need to build to an exterior finish, freeing you up to focus on the design & finish of the interior to your client's specifications.

- Ventilated Structure
- Energy Efficiency
- Smart Connection
- Quick and Easy Assembly
- Flexible Design
- Effective Insulation
- Easy to integrate - flexible
- Versatile Structure

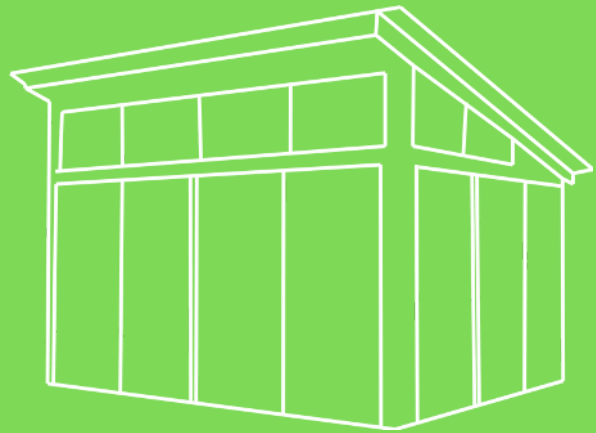


PRODUCTS

VXSELF 40 Series



VXEASY 50 Series



VXCORE 80 Series



PRODUCTS

V>LINE 100 Series

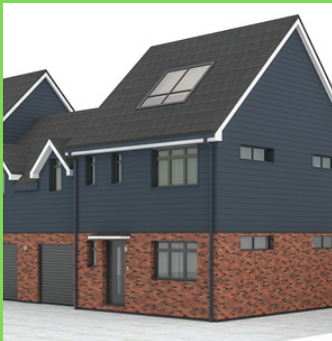


V>KING 120 Series

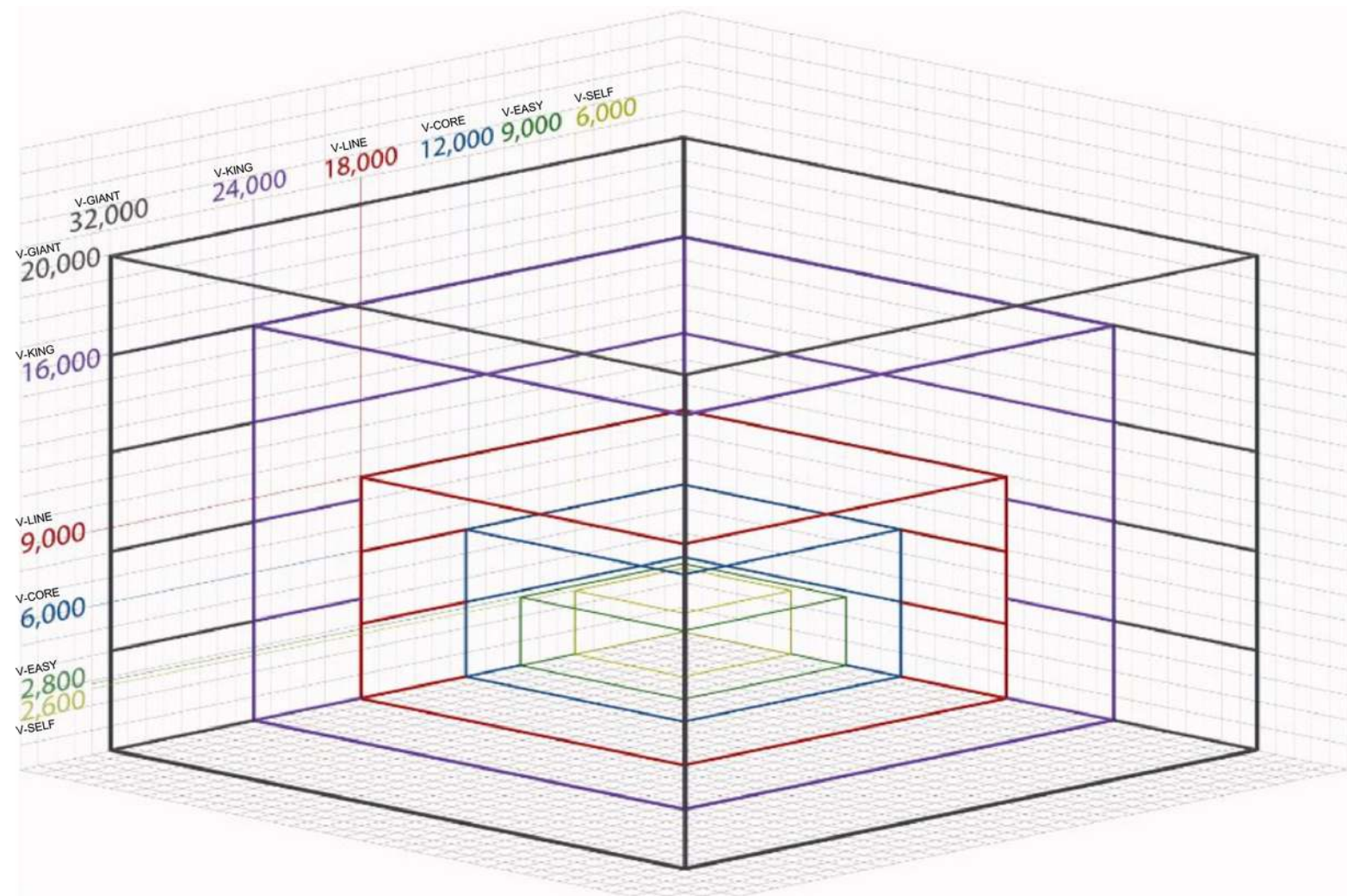


V>GIANT 150 Series





SMART KIT SYSTEM SERIES



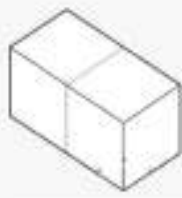
- V➤SELF 40 Series
- V➤EASY 50 Series
- V➤CORE 80 Series
- V➤LINE 100 Series
- V➤KING 120 Series
- V➤GIANT 150 Series

V>SELF 40 Series



VSELF 40 Series

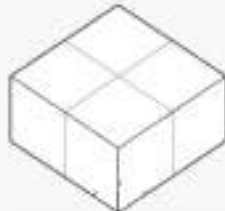
Rimberio



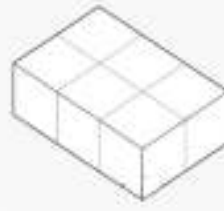
S.41



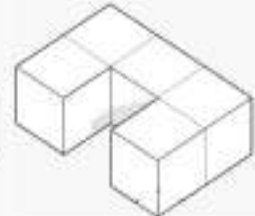
S.42



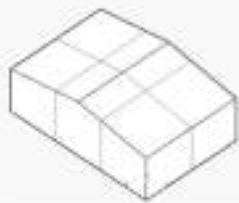
S.43



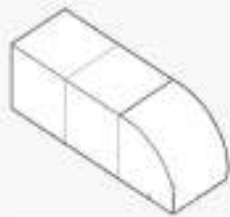
S.44



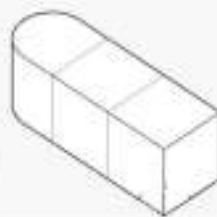
S.45



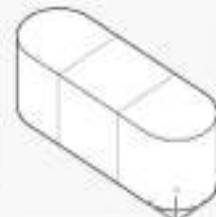
S.46



S.47



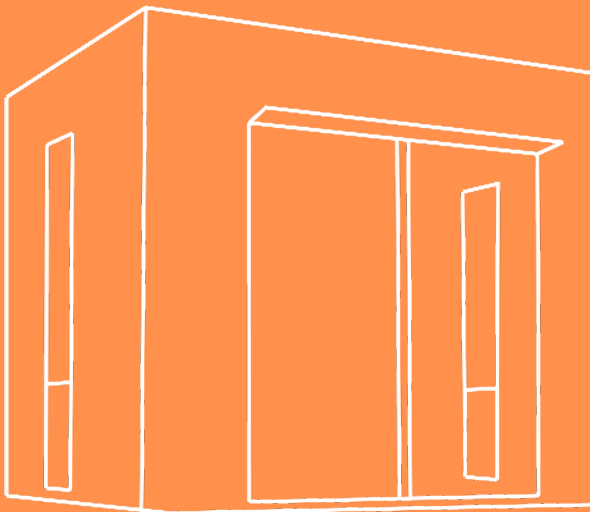
S.48



S.49

Shelters

Cubes

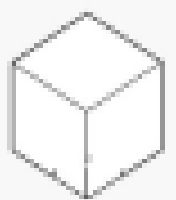
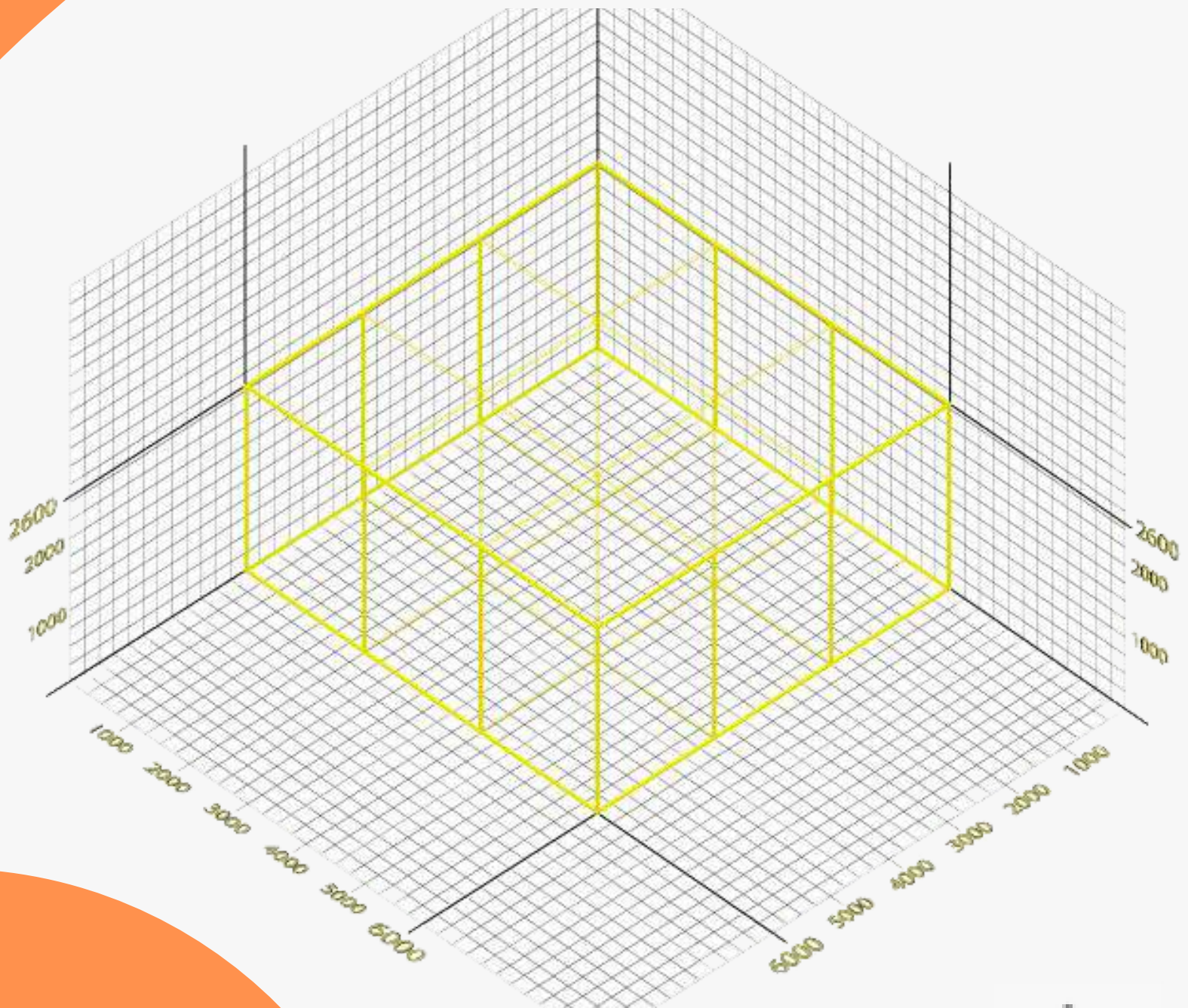


Flexible Design

Pods



V>SELF 40 Series



Base Module : 2.0 x 2.0 x 2.6 m

Smart Connection



PMKS-KD-450
Promega Connection



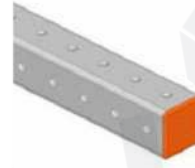
PMKS-KD-451
Promega Connection



PMKS-KD-452
Promega Connection



PMKS-MFS-040/050
Promega Connection



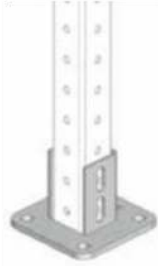
PMKS-PC-050
Promega Connection



PMKS-TTA-040/050
Promega Connection



PMKS-TDE-040/050
Promega Connection



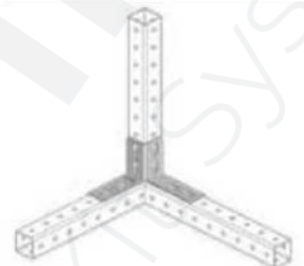
PMKS-TTA-041/051
Promega Connection



PMKS-TTY-040/050
Promega Connection



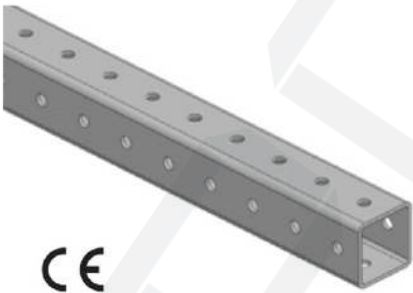
PMKS-TTY-041/051
Promega Connection



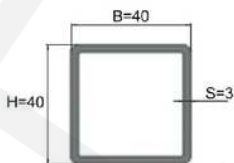
PMKS-TTY-042/052
Promega Connection

ProMAKS Profile

PMKS-PRF-040-001



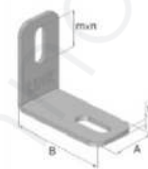
25mm $\varnothing 9,5$
 Delik arası mesafe: 25 mm
 Delik çapı: 9,5 mm
 Distance between holes: 25 mm
 Hole diameter: 9,5 mm



Connection Pieces



PMKS-KD-450



PMKS-KD-451



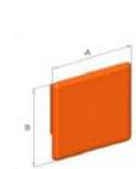
PMKS-KD-452



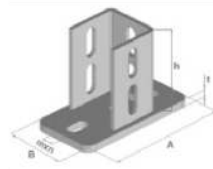
PMKS-MFS-040/050



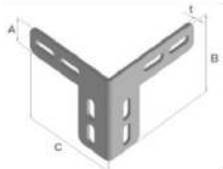
PMKS-KOD-100-001



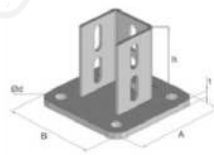
PMKS-PC-050



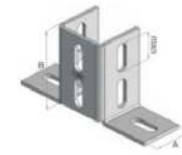
PMKS-TTA-040/050



PMKS-TDE-040/050



PMKS-TTA-041/051



PMKS-TTY-040/050

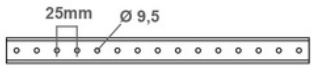
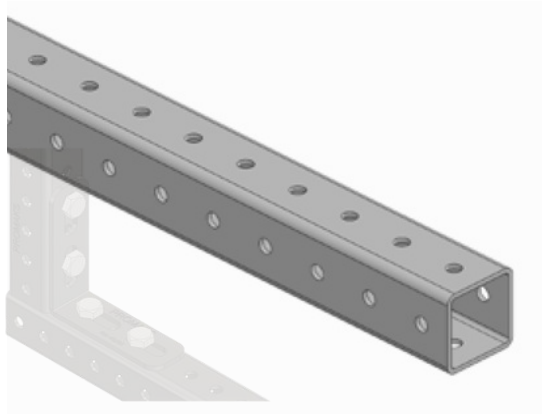


PMKS-TTY-041/051

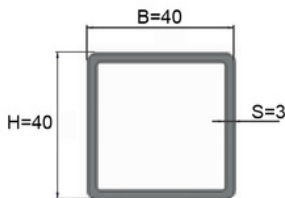


PMKS-TTY-042/052

Medium Duty V-SELF Series Structural Systems

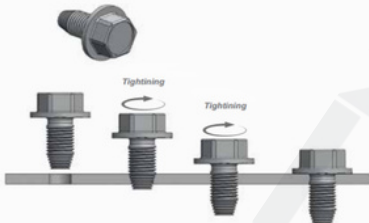


Distance between holes: 25 mm
Hole diameter: 9,5 mm



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and medium load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized 92µm minimum

Hot-dip of galvanize.

Section Properties

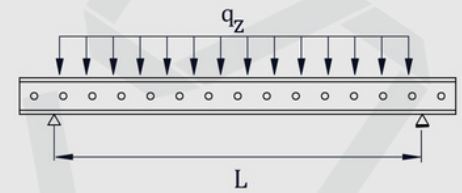
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modules (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia (cm ⁴)		Section Modules (cm ³)	
H	B	S					I _y	I _z	W _y	W _z
40	40	3	3,10	309,00	8,13	14,77	7,38	7,38	3,69	3,69

The section properties is determined according to the perforated section.

Distributed load

Lmax (mm)	q _z , perm kN/m	F _z , (q _z ,perm *L) kN
500	20,00	10,00
1000	4,15	4,15
1500	1,20	1,80
2000	0,50	1,00
2500	0,25	0,63

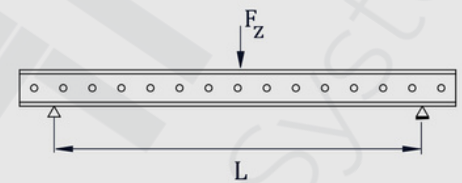
q_z[kN/m] as permanent load at L



Point load

Lmax (mm)	F _z , perm kN
500	4,80
1000	2,40
1500	1,15
2000	0,63
2500	0,37

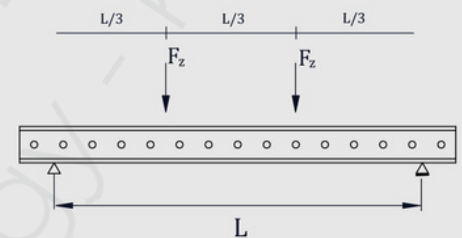
F_z[kN] as permanent load at L/2



2 Point loads

Lmax (mm)	F _z , perm kN
500	3,70
1000	1,50
1500	0,65
2000	0,36
2500	0,22

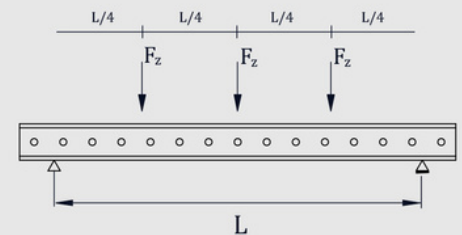
F_z[kN] as permanent load at L/2 and 2*L/3



3 Point loads

Lmax (mm)	F _z , perm kN
500	2,5
1000	1,10
1500	0,48
2000	0,26
2500	0,16

F_z[kN] as permanent load at L/4, L/2 and 3*L/4



Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)

Self weight considered.

Safety factor is taken into account as 1,35.

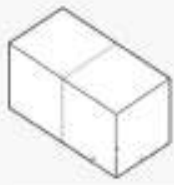
Deflection limit value is L/200.

V>EASY 50 Series



V>EASY 50 Series

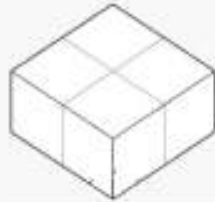
Rimberio



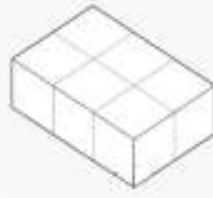
E.51



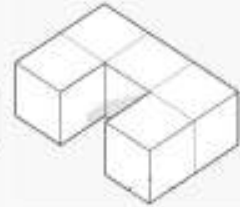
E.52



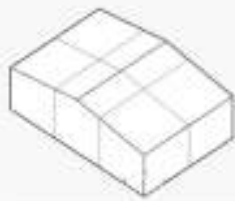
E.53



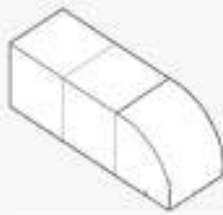
E.54



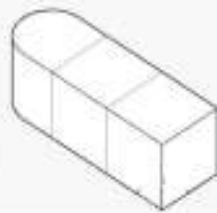
E.55



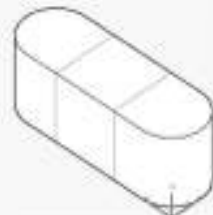
E.56



E.57



E.58



E.59

Small Homes

Annex Units

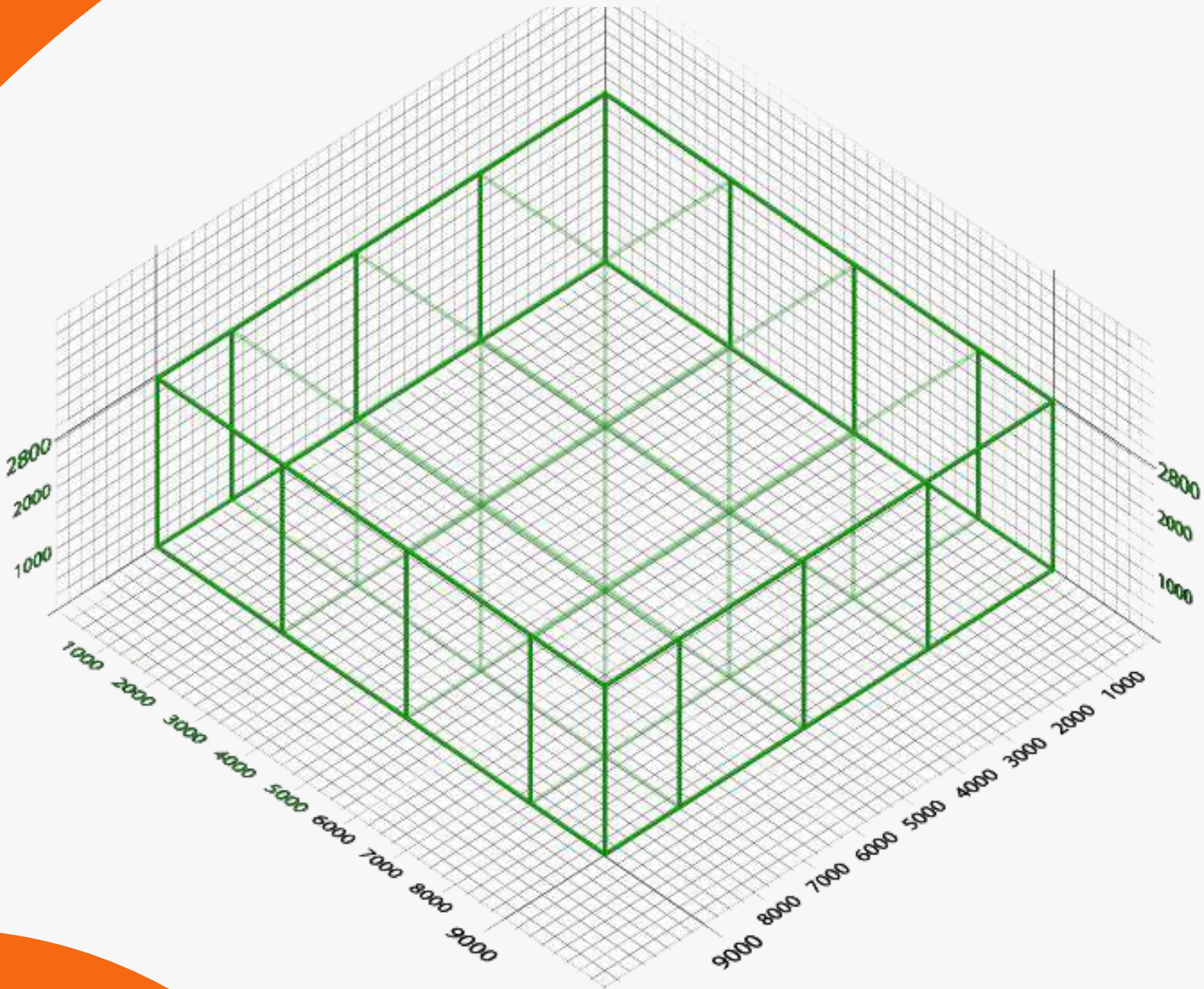


Pods



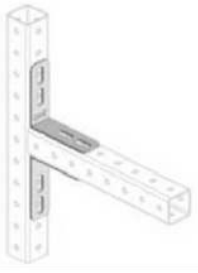
Flexible Design

V>EASY 50 Series

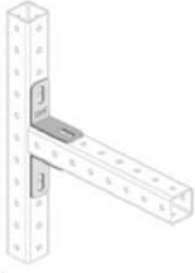


Base Module : 2.5 x 2.5 x 2.8 m

Smart Connection



PMKS-KD-450
Promega Connection



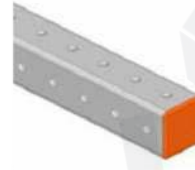
PMKS-KD-451
Promega Connection



PMKS-KD-452
Promega Connection



PMKS-MFS-040/050
Promega Connection



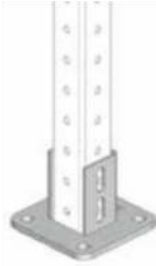
PMKS-PC-050
Promega Connection



PMKS-TTA-040/050
Promega Connection



PMKS-TDE-040/050
Promega Connection



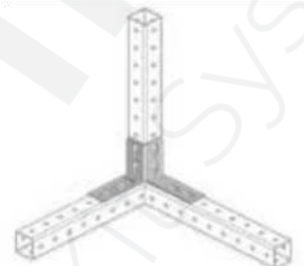
PMKS-TTA-041/051
Promega Connection



PMKS-TTY-040/050
Promega Connection



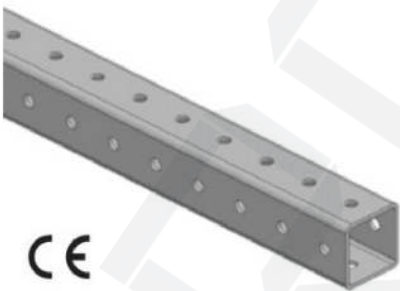
PMKS-TTY-041/051
Promega Connection



PMKS-TTY-042/052
Promega Connection

ProMAKS Profile

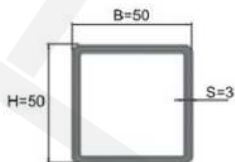
PMKS-PRF-050-001



CE



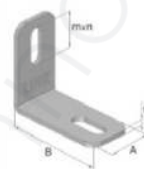
Delik arası mesafe: 25 mm
Delik çapı: 9,5 mm
Distance between holes: 25 mm
Hole diameter: 9,5 mm



Connection Pieces



PMKS-KD-450



PMKS-KD-451



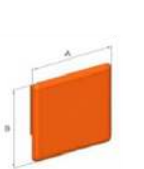
PMKS-KD-452



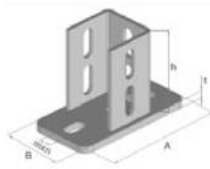
PMKS-MFS-040/050



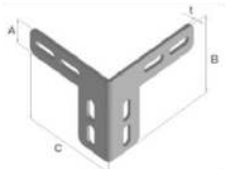
PMKS-KOD-100-001



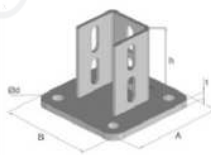
PMKS-PC-050



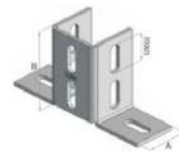
PMKS-TTA-040/050



PMKS-TDE-040/050



PMKS-TTA-041/051



PMKS-TTY-040/050

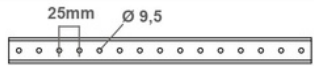
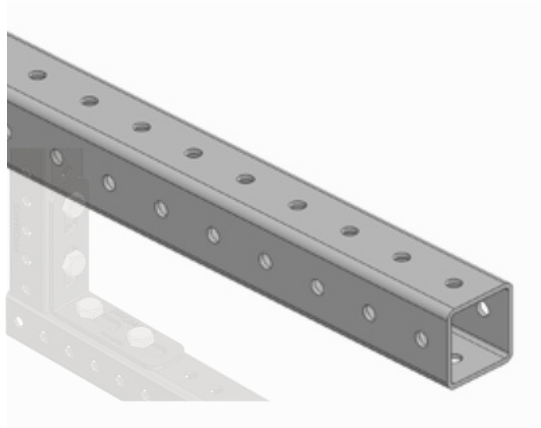


PMKS-TTY-041/051

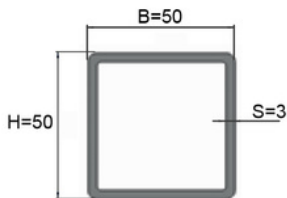


PMKS-TTY-042/052

Medium Duty V-EASY Structural System



Distance between holes: 25 mm
Hole diameter: 9,5 mm



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and medium load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized 92µm minimum
Hot-dip of galvanize.

Section Properties

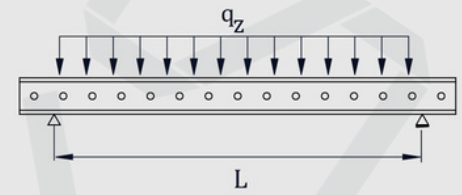
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modules (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia (cm ⁴)		Section Modules (cm ³)	
H	B	S					I _y	I _z	W _y	W _z
50	50	3	4,00	432,00	13,19	33,07	16,53	16,53	6,61	6,61

The section properties is determined according to the perforated section.

Distributed load

Lmax (mm)	qz, perm kN/m	Fz, (qz,perm *L) kN
1000	8,5	8,5
1500	2,7	4,05
2000	1,1	2,2
2500	0,56	1,4
3000	0,31	0,93
3500	0,19	0,665

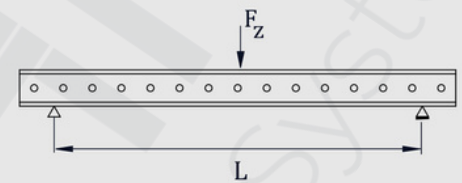
qz[kN/m] as permanent load at L



Point load

Lmax (mm)	Fz, perm kN
1000	4,3
1500	2,6
2000	1,4
2500	0,91
3000	0,61
3500	0,39

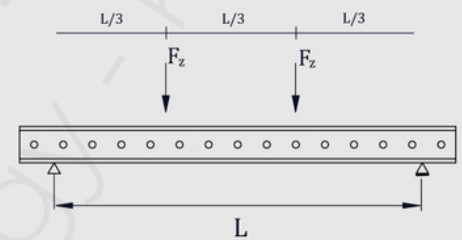
Fz[kN] as permanent load at L/2



2 Point loads

Lmax (mm)	Fz, perm kN
1000	3,2
1500	1,5
2000	0,8
2500	0,52
3000	0,34
3500	0,24

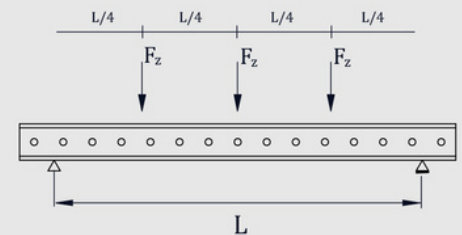
Fz[kN] as permanent load at L/2 and 2*L/3



3 Point loads

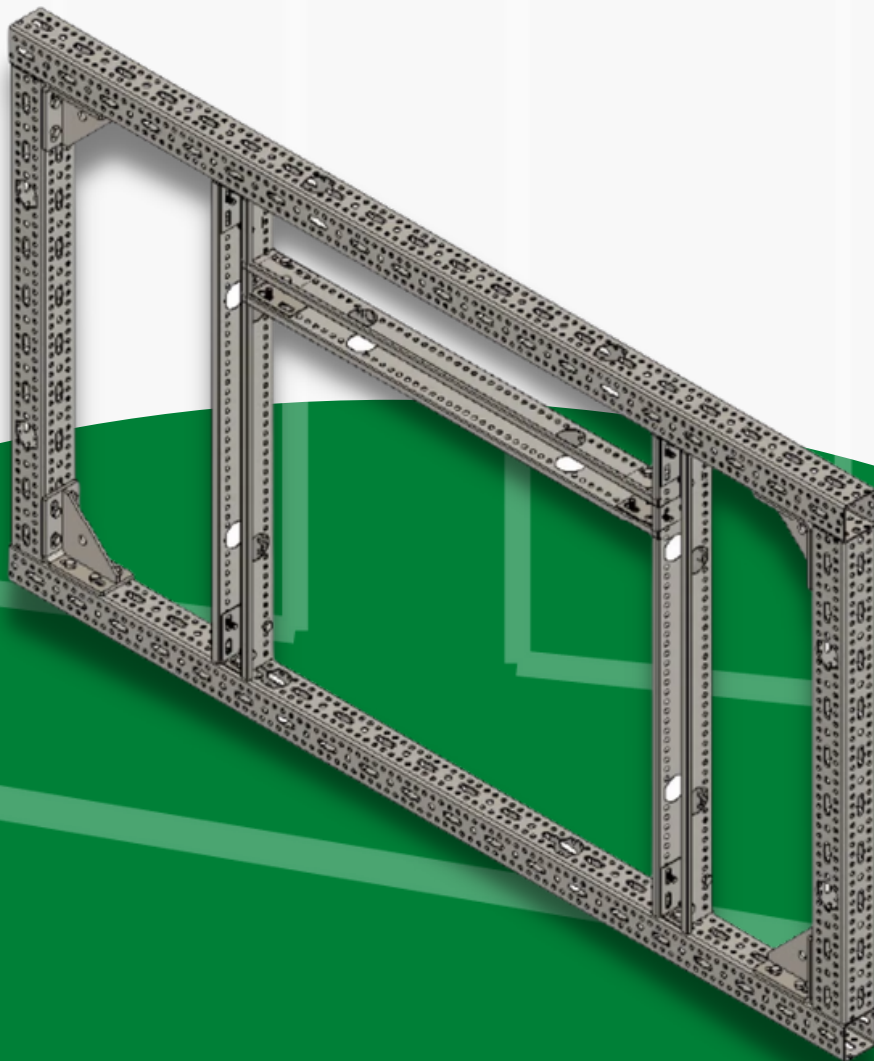
Lmax (mm)	Fz, perm kN
1000	2,4
1500	1,1
2000	0,6
2500	0,35
3000	0,26
3500	0,17

Fz[kN] as permanent load at L/4, L/2 and 3*L/4



- Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

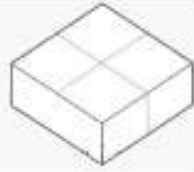
V>CORE 80 Series



V-CORE 80 Series



C.81



C.82



C.83



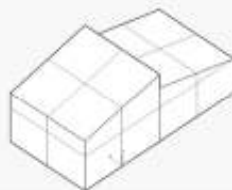
C.84



C.85



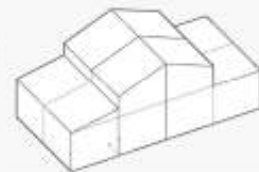
CD.86



CD.87



CD.88



CD.89



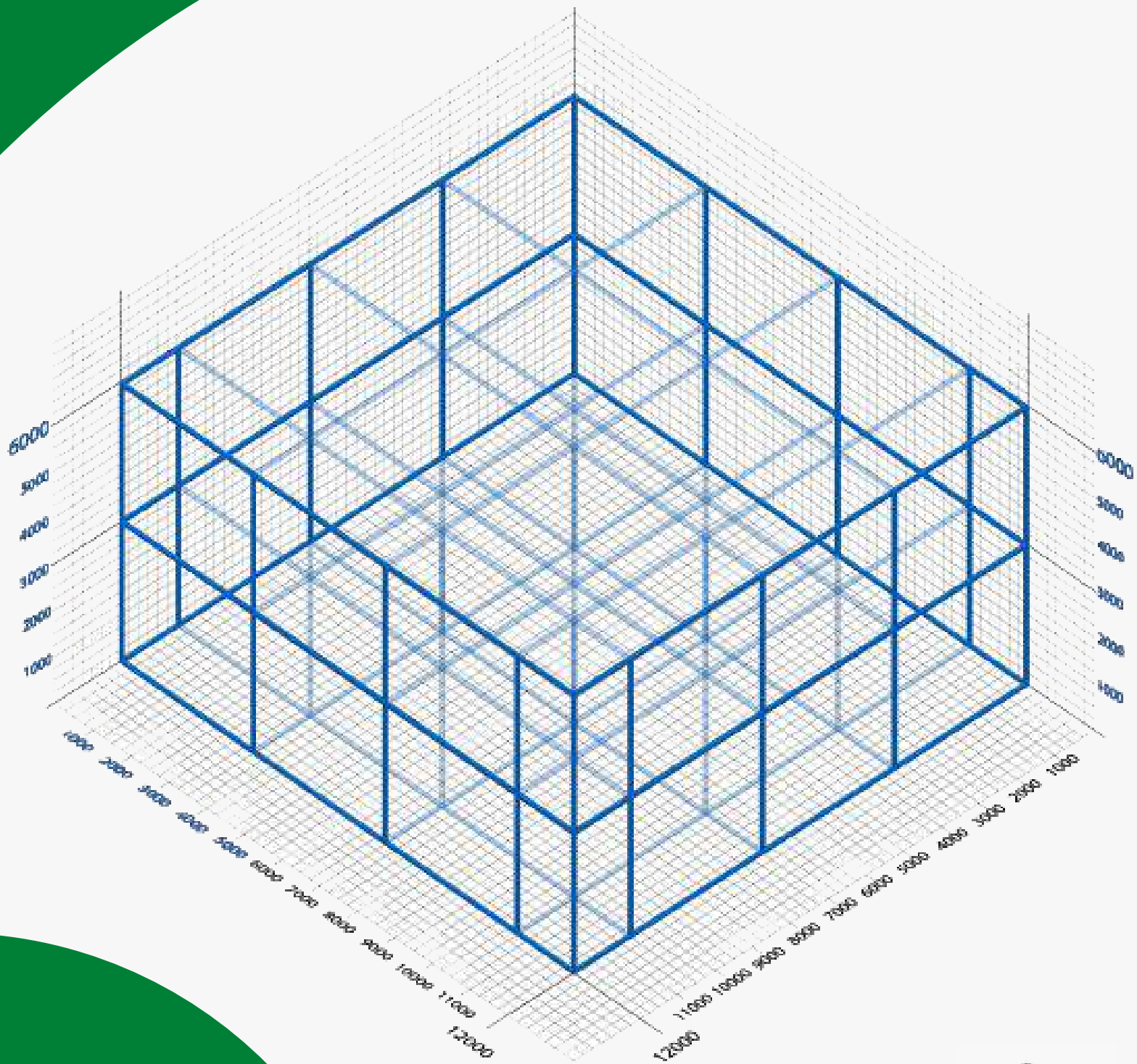
Double Storey

Flexible Design

Lodges

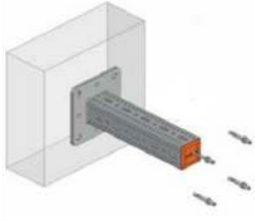


V-CORE 80 Series



Base Module : 3.5 x 3.5 x 3.0 m

Smart Connection



PMKS-HK-080
Promega Connection



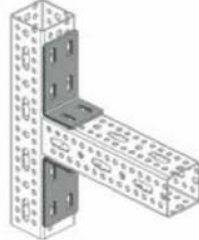
PMKS-KD-080
Promega Connection



PMKS-KD-082
Promega Connection



PMKS-HK-080
-Promega-Promega
Connection



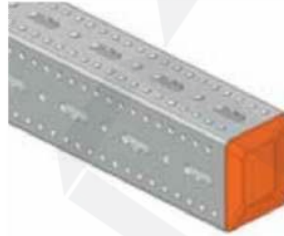
PMKS-KD-081
Promega Connection



PMKS-KD-118
Promega Connection



PMKS-TTA-080
Promega Connection



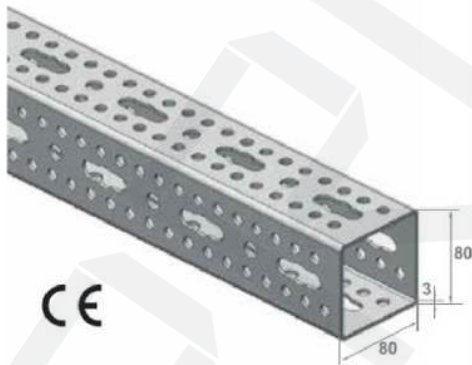
PMKS-PC-080
Promega Connection



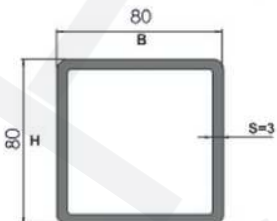
PMKS-MFS-080/081
Promega Connection

ProMAKS Profile

PMKS-PRF-080-001



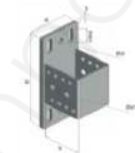
CE



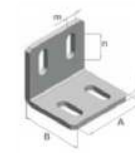
Connection Pieces



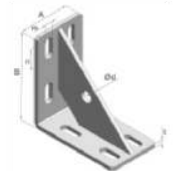
PMKS-HK-080



PMKS-KA-080



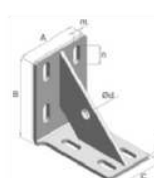
PMKS-KD-080



PMKS-KD-082



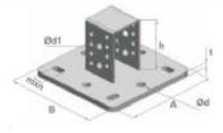
PMKS-KD-081



PMKS-KD-118



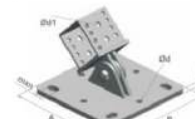
PMKS-PC-080



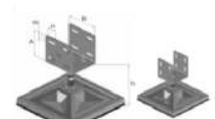
PMKS-TTA-080



PMKS-MFS-080

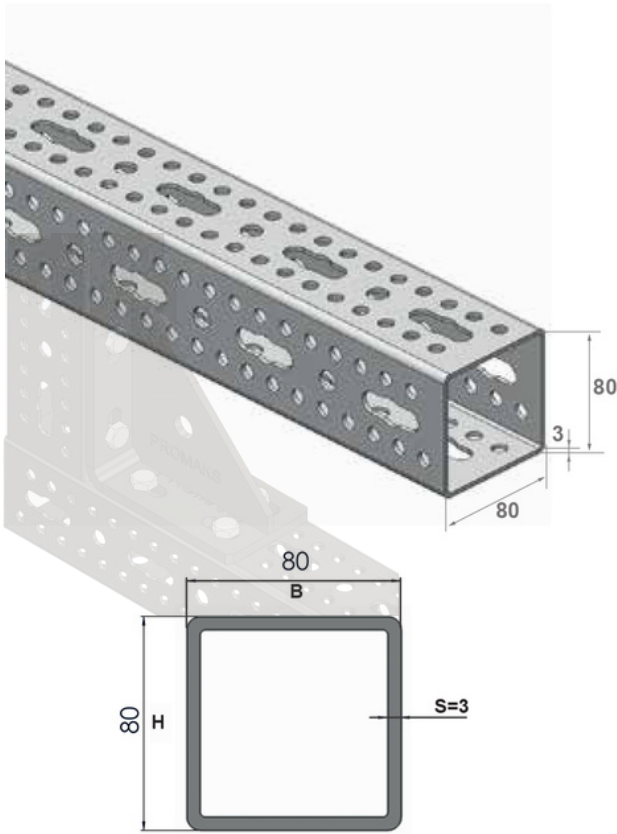


PMKS-MFS-081



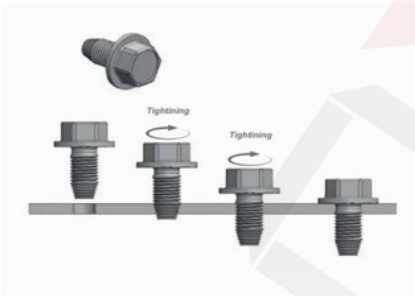
PMKS-FOOT-80/81

Heavy Duty V-CORE Series Structural System



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and high load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized 92µm minimum Hot-dip of galvanize.

Section Properties

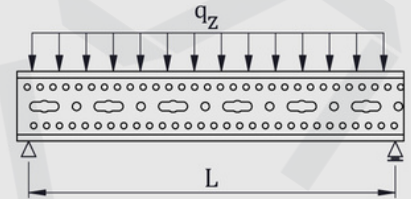
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modulus (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia		Section Modulus	
(mm)	(mm)	(mm)					(cm ⁴)	(cm ⁴)	(cm ³)	(cm ³)
H	B	S		A	Wp	Ip	Iy	Iz	Wy	Wz
80	80	3	5,74	510,00	35,51	108,82	54,41	54,41	13,60	13,60

■ The section properties is determined according to the perforated section.

Distributed load

Lmax (mm)	qz, perm kN/m	Fz, (qz,perm *L) kN
1000	18,00	18,00
1500	8,00	12,00
2000	3,82	7,64
2500	1,94	4,85
3000	1,10	3,30
3500	0,68	2,38

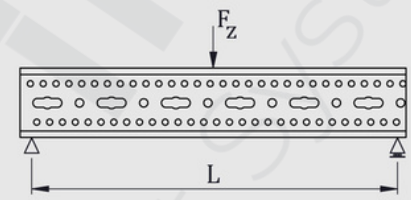
qz[kN/m] as permanent load at L



Point load

Lmax (mm)	Fz, perm kN
1000	9,00
1500	6,00
2000	4,44
2500	3,14
3000	2,15
3500	1,54

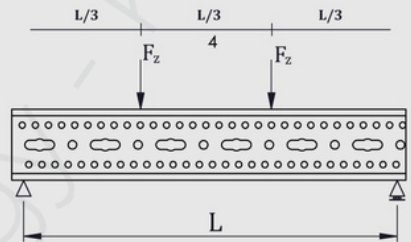
Fz[kN] as permanent load at L/2



2 point loads

Lmax (mm)	Fz, perm kN
1000	6,83
1500	4,50
2000	2,82
2500	1,80
3000	1,21
3500	0,87

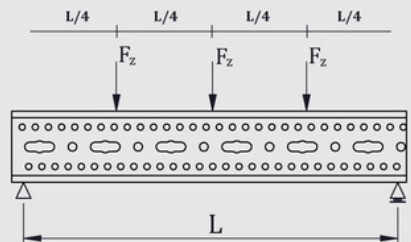
Fz[kN] as permanent load at L/2 and 2*L/3



3 point loads

Lmax (mm)	Fz, perm kN
1000	4,50
1500	3,00
2000	2,00
2500	1,20
3000	0,87
3500	0,60

Fz[kN] as permanent load at L/4, L/2 and 3*L/4

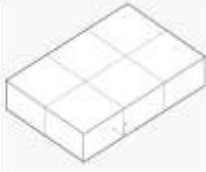


- Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

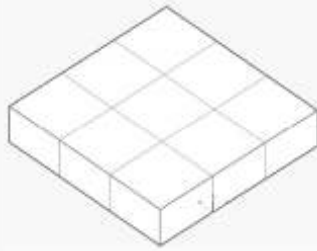
V>LINE 100 Series



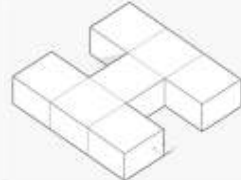
L.101



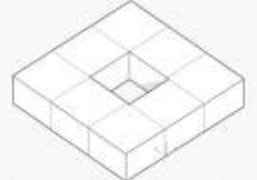
L.102



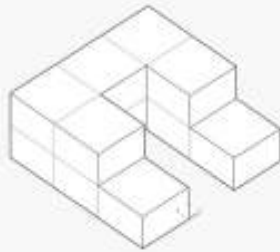
L.103



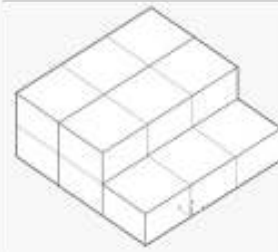
L.104



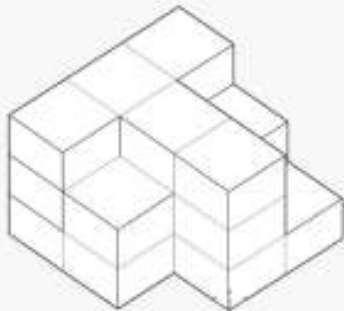
L.105



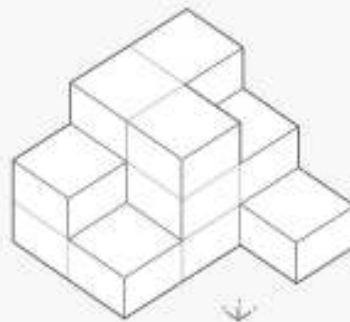
L.201



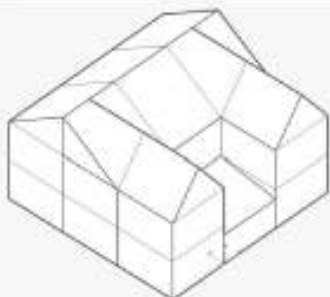
L.202



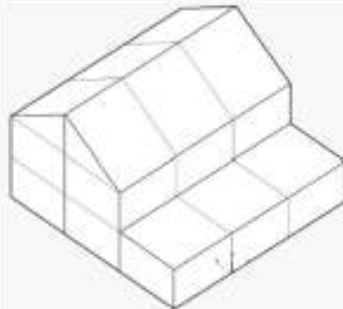
L.304



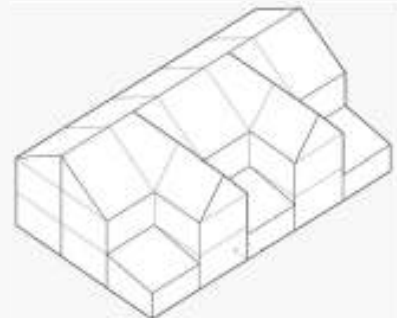
L.305



LG.301

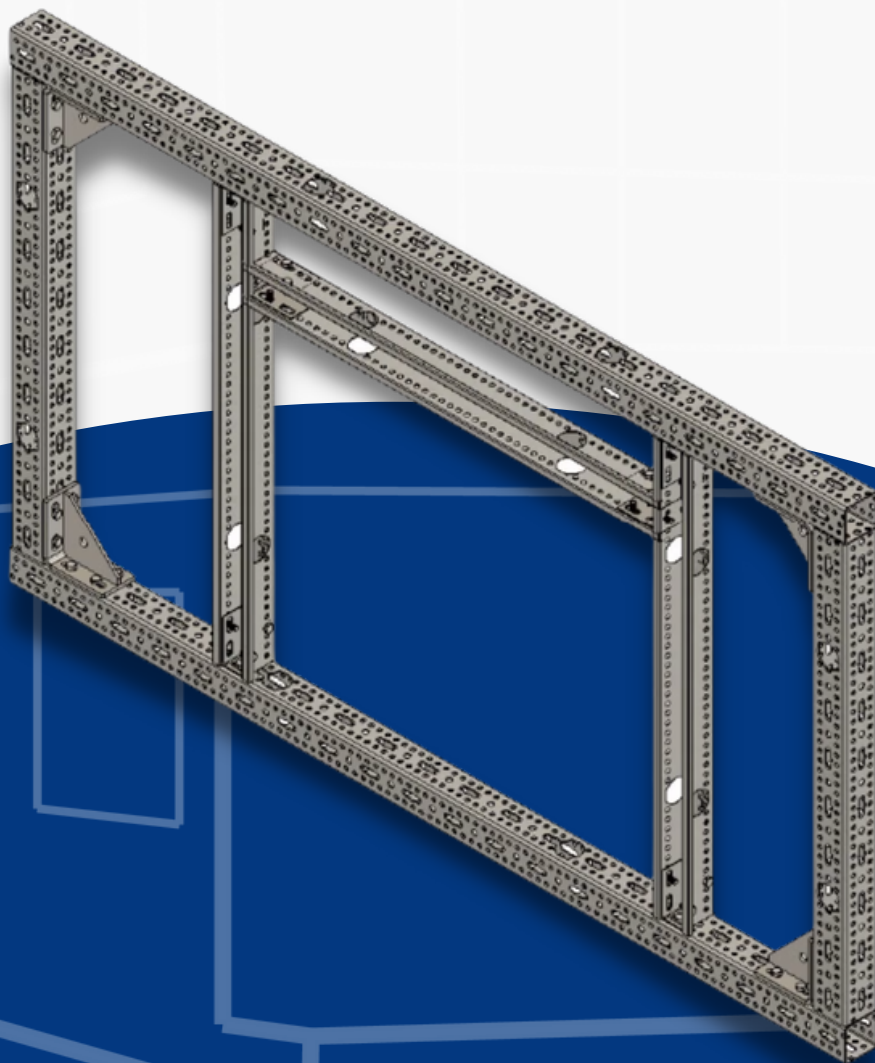


LG.302



LG.303

V>LINE 100 Series



V>LINE 100 Series



Up to three storey



Residential

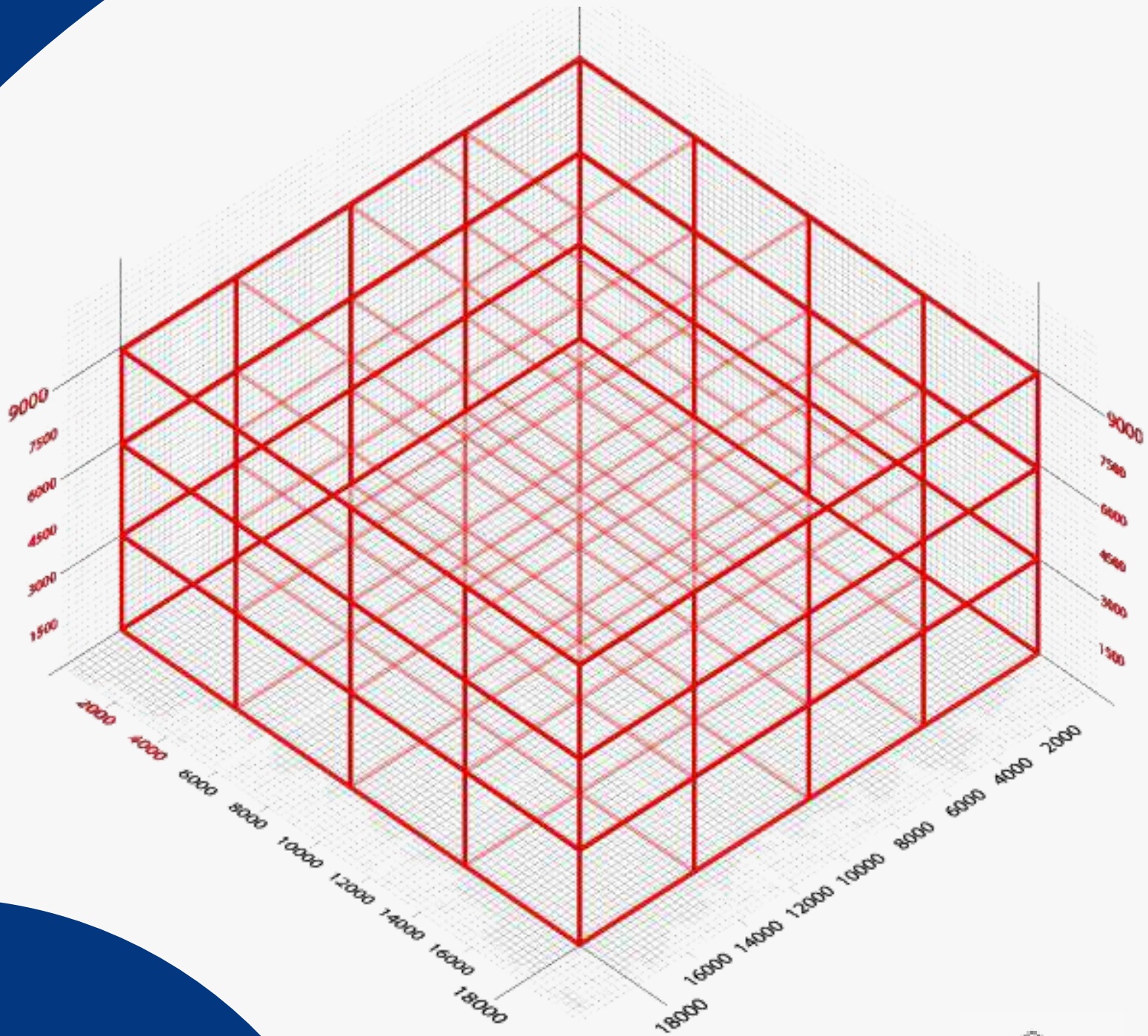
Villas

Bespoke
Design
Buildings

Flexible Design

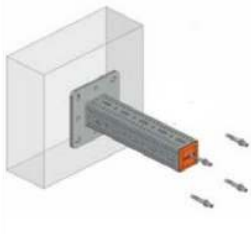


V>LINE 100 Series



Base Module : 4.5 x 4.5 x 3.0 m

Smart Connection



PMKS-HK-100
Promega Connection



PMKS-KD-120
Promega Connection



PMKS-KD-101
Promega Connection



PMKS-HK-100
-Promega-Promega
Connection



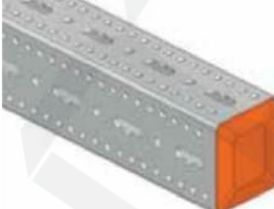
PMKS-KD-121
Promega Connection



PMKS-foot-100/101
Promega Connection



PMKS-TTA-100
Promega Connection



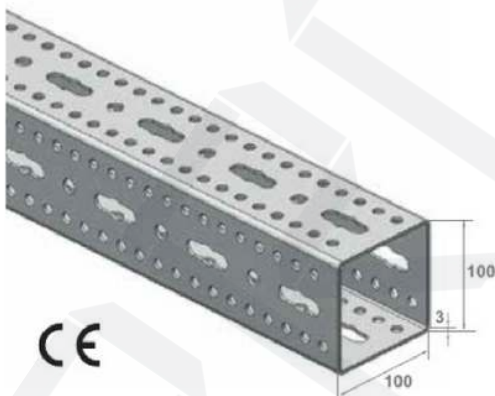
PMKS-PC-100
Promega Connection



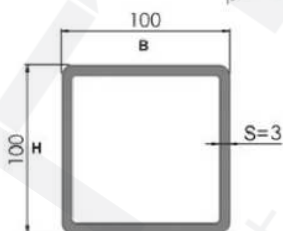
PMKS-MFS-100/101
Promega Connection

ProMAKS Profile

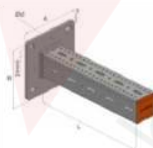
PMKS-PRF-100-001



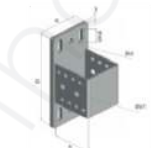
CE



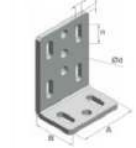
Connection Pieces



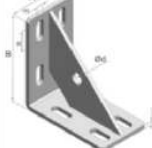
PMKS-HK-100



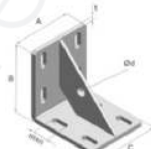
PMKS-KA-100



PMKS-KD-100



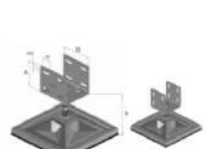
PMKS-KD-101



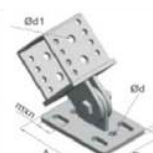
PMKS-KD-120



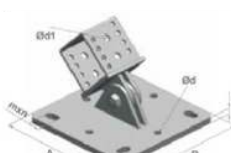
PMKS-KD-121



PMKS-FOOT-100/101



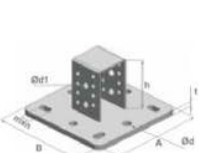
PMKS-MFS-100



PMKS-MFS-101

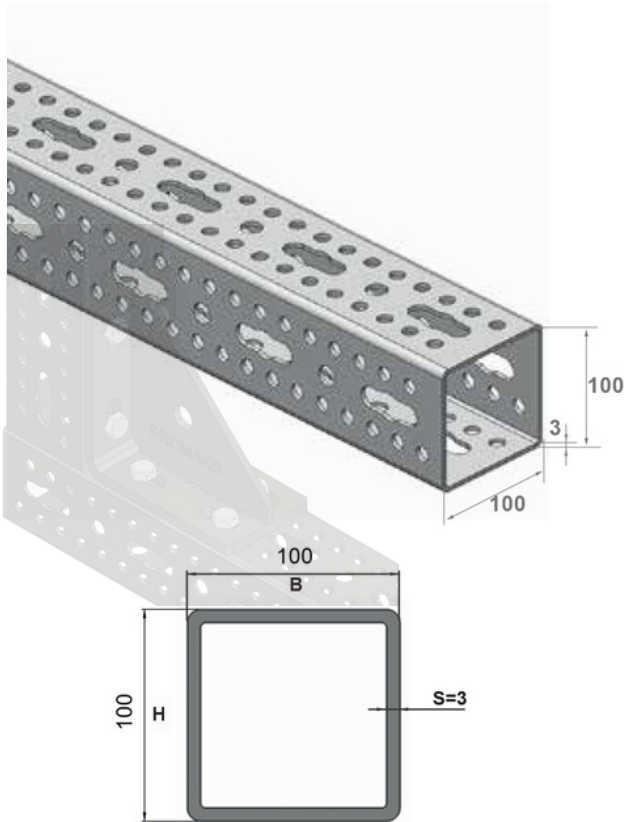


PMKS-PC-100



PMKS-TTA-100

Heavy Duty V-LINE Series Structural System



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and high load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized
92µm minimum Hot-dip of galvanize.

Section Properties

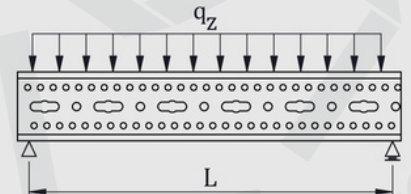
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modulus (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia (cm ⁴)		Section Modulus (cm ³)	
H	B	S					I _y	I _z	W _y	W _z
100	100	3	7,3	750,00	56,39	242,23	121,12	121,12	24,22	24,22

The section properties is determined according to the perforated section.

Distributed load

L _{max} (mm)	q _z , perm kN/m	F _z ,(q _z ,perm *L) kN
1000	32,00	32,00
2000	8,00	16,00
3000	2,51	7,53
4000	1,03	4,12
5000	0,50	2,50
6000	0,26	1,56

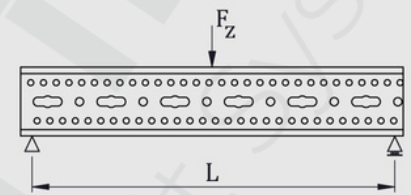
q_z[kN/m] as permanent load at L



Point load

L _{max} (mm)	F _z , perm kN
1000	16,00
2000	7,90
3000	4,70
4000	2,50
5000	1,50
6000	0,99

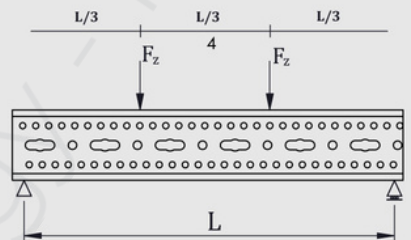
F_z[kN] as permanent load at L/2



2 point loads

L _{max} (mm)	F _z , perm kN
1000	12,00
2000	5,90
3000	2,71
4000	1,52
5000	0,91
6000	0,58

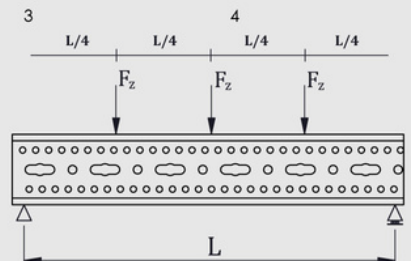
F_z[kN] as permanent load at L/2 and 2*L/3



3 point loads

L _{max} (mm)	F _z , perm kN
1000	8,00
2000	3,90
3000	1,96
4000	1,10
5000	0,65
6000	0,40

F_z[kN] as permanent load at L/4, L/2 and 3*L/4



- Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

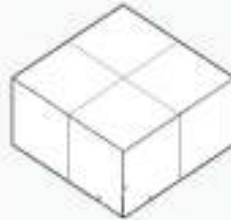
V-KING 120 Series



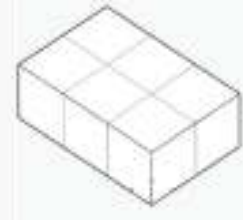
K.121



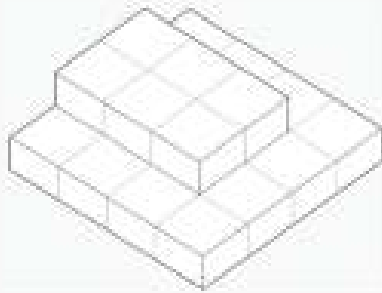
K.122



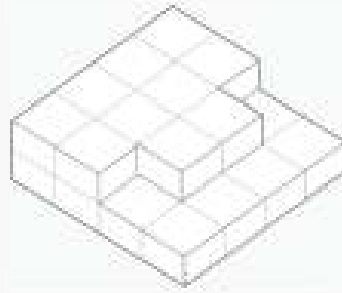
K.123



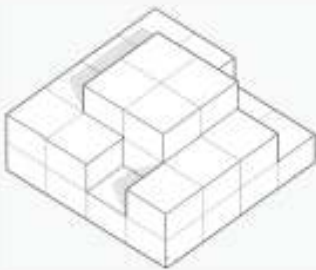
K.124



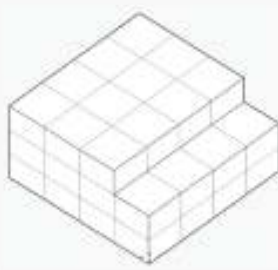
K.221



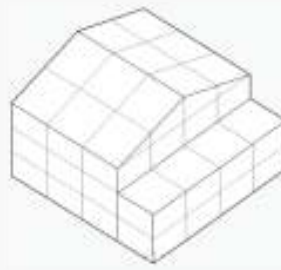
K.222



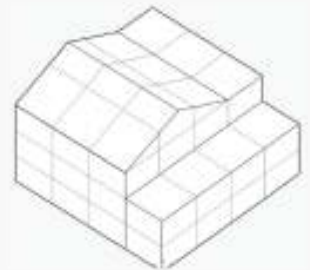
K.321



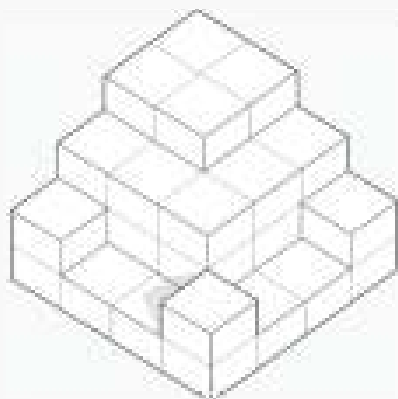
K.322



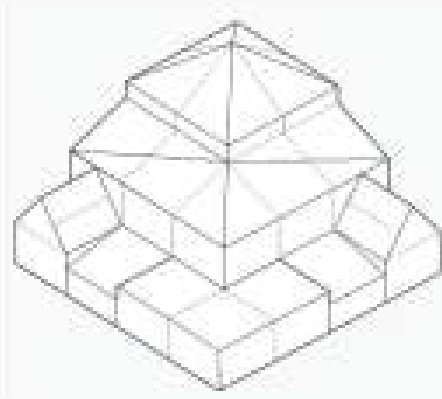
K.323



K.324

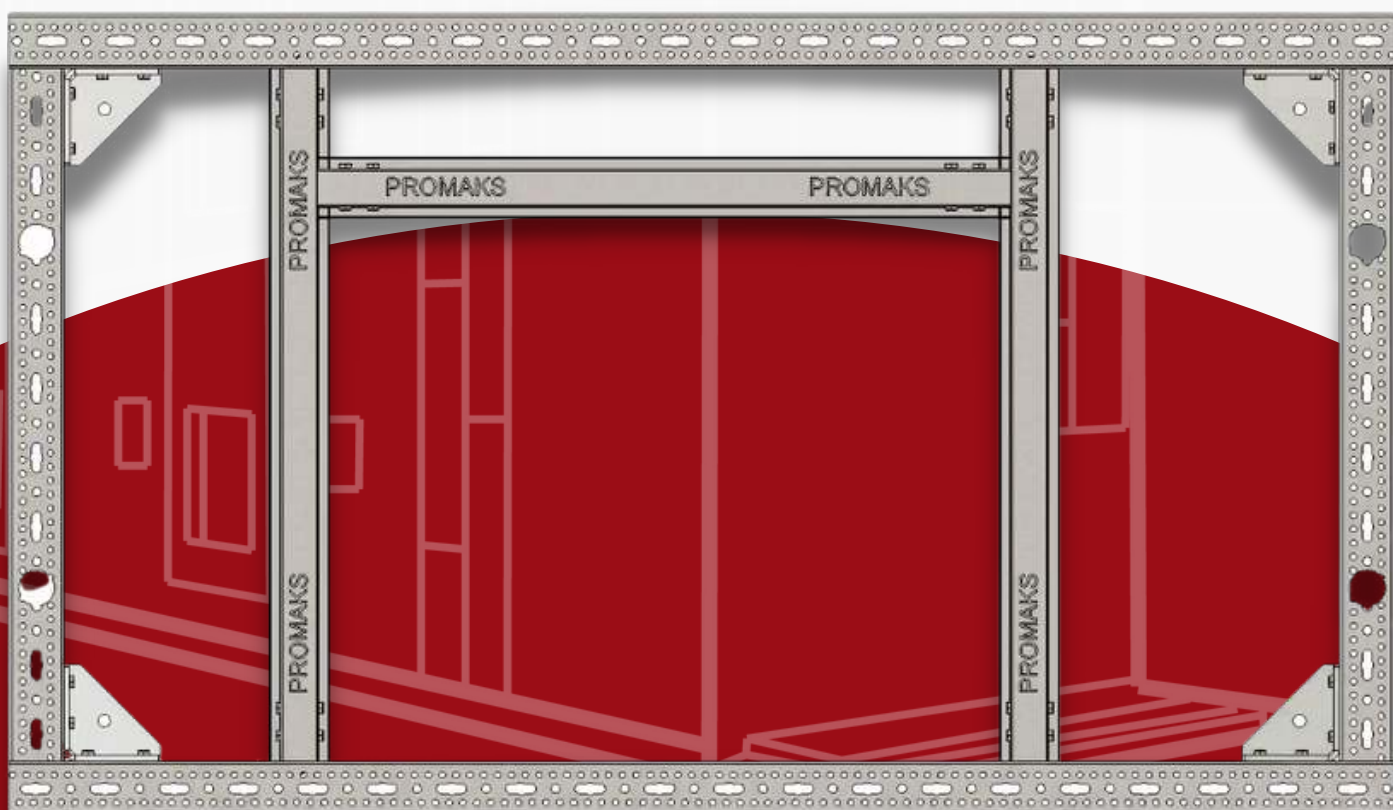


K.421



K.422

VX KING 120 Series

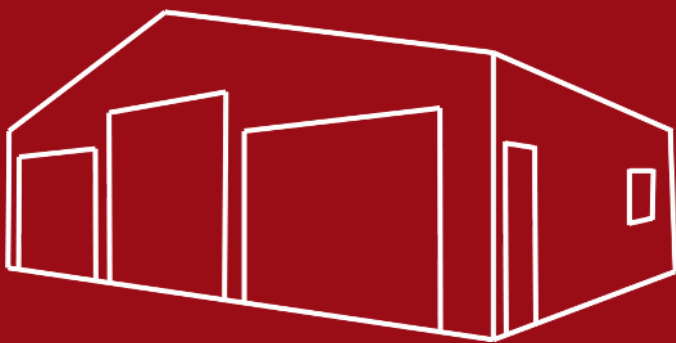


V-KING 120 Series

Up to four storey

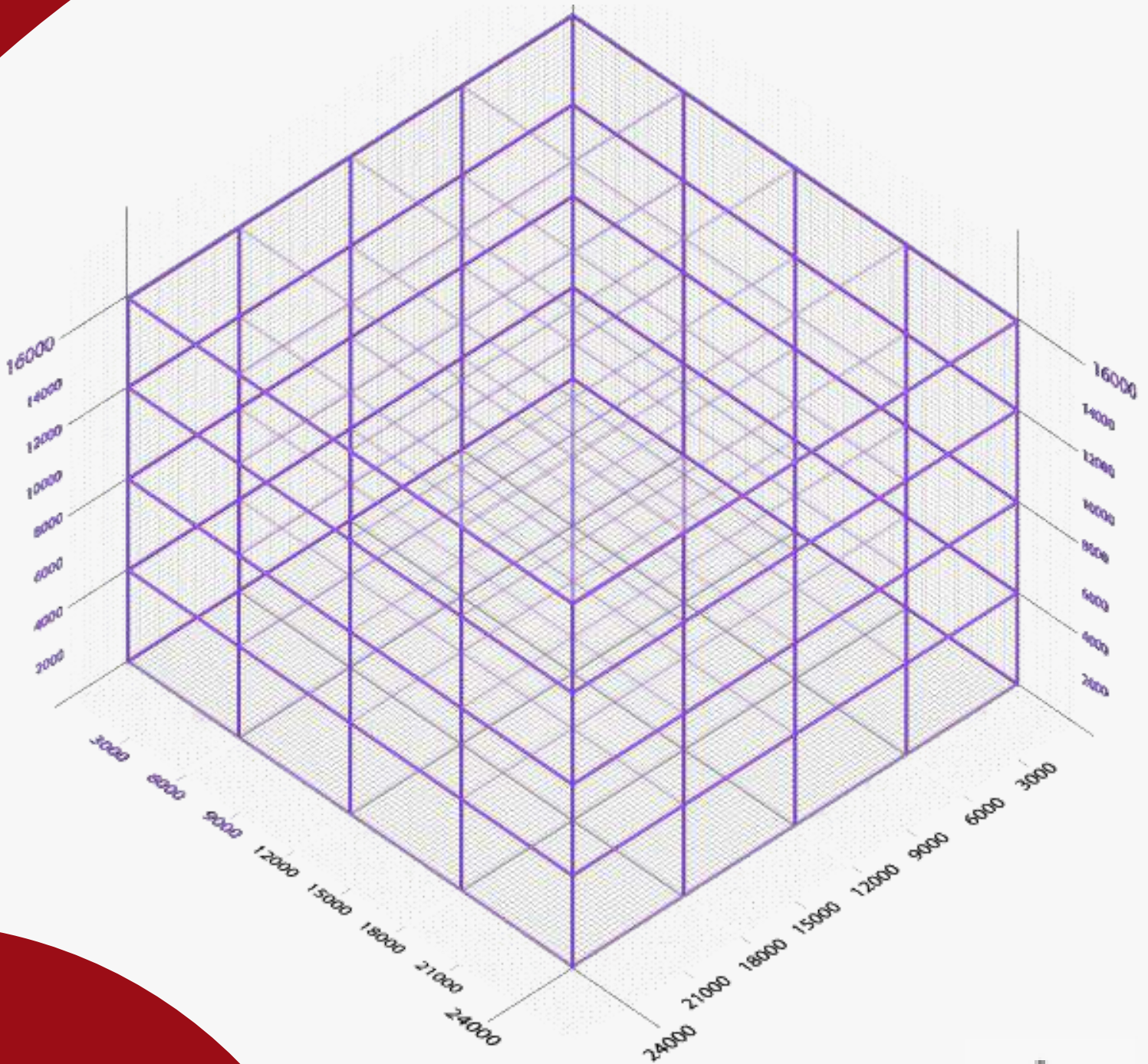


Residential
Utility
Accommodation
Commercial



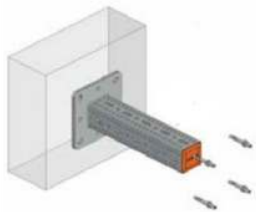
Flexible Design

V-KING 120 Series



Base Module : 6.0 x 6.0 x 4.0 m

Smart Connection



PMKS-HK-120
Promega Connection



PMKS-KD-120
Promega Connection



PMKS-KD-101
Promega Connection



PMKS-HK-120
-Promega-Promega
Connection



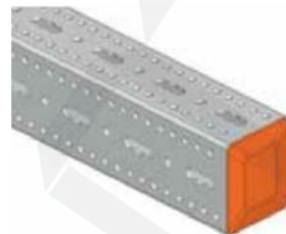
PMKS-KD-121
Promega Connection



PMKS-foot-120/121
Promega Connection



PMKS-TTA-120
Promega Connection



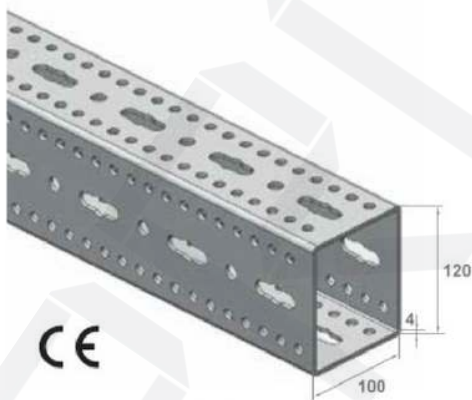
PMKS-PC-120
Promega Connection



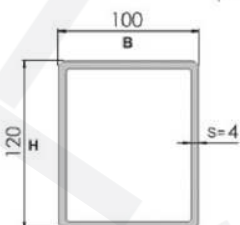
PMKS-MFS-120/121
Promega Connection

ProMAKS Profile

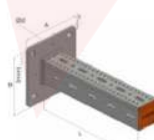
PMKS-PRF-120-001



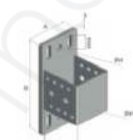
CE



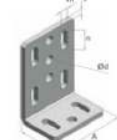
Connection Pieces



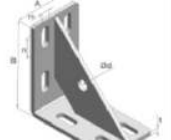
PMKS-HK-120



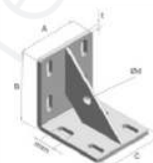
PMKS-KA-120



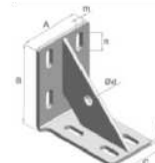
PMKS-KD-100



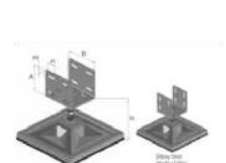
PMKS-KD-101



PMKS-KD-120



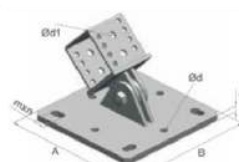
PMKS-KD-121



PMKS-FOOT-120/121



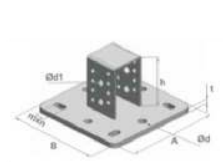
PMKS-MFS-120



PMKS-MFS-121

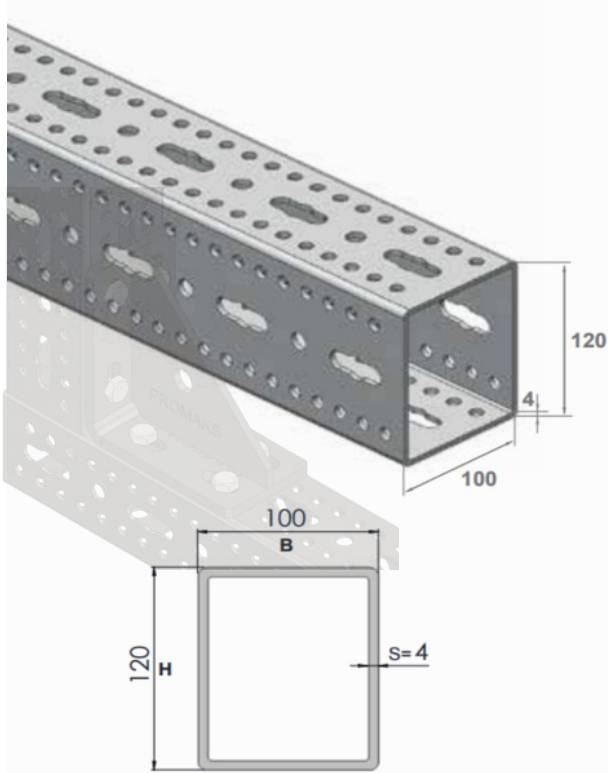


PMKS-PC-120



PMKS-TTA-120

Heavy Duty V-KING Series Structural System



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and high load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized
92µm minimum Hot-dip of galvanize.

Section Properties

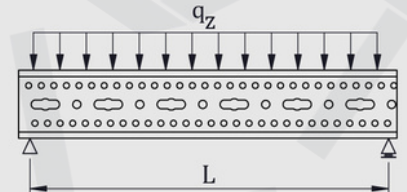
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modules (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia		Section Modules	
H	B	S					ly	lz	Wy	Wz
120	100	4	11	1147,00	89,02	435,10	241,92	193,18	40,32	38,64

■ The section properties is determined according to the perforated section.

Distributed load

Lmax (mm)	qz, perm kN/m	Fz,(qz,perm *L) kN
1000	53,00	53,00
2000	13,30	26,60
3000	4,70	14,10
4000	2,00	8,00
5000	0,95	4,75
6000	0,54	3,24

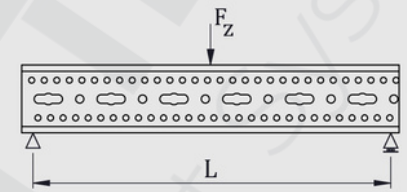
qz[kN/m] as permanent load at L



Point load

Lmax (mm)	Fz, perm kN
1000	26,00
2000	13,30
3000	8,08
4000	5,20
5000	3,20
6000	2,10

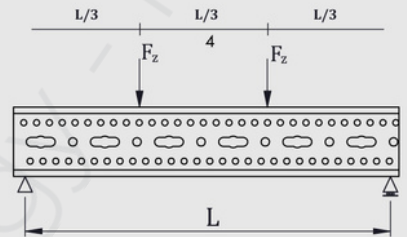
Fz[kN] as permanent load at L/2



2 point loads

Lmax (mm)	Fz, perm kN
1000	20,00
2000	9,90
3000	5,50
4000	3,00
5000	1,80
6000	1,20

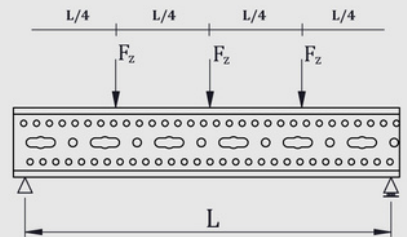
Fz[kN] as permanent load at L/2 and 2*L/3



3 point loads

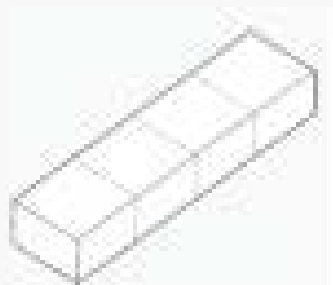
Lmax (mm)	Fz, perm kN
1000	13,40
2000	6,60
3000	3,90
4000	2,20
5000	1,30
6000	0,86

Fz[kN] as permanent load at L/4, L/2 and 3*L/4

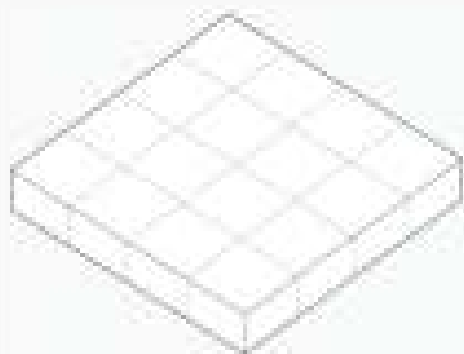


- Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

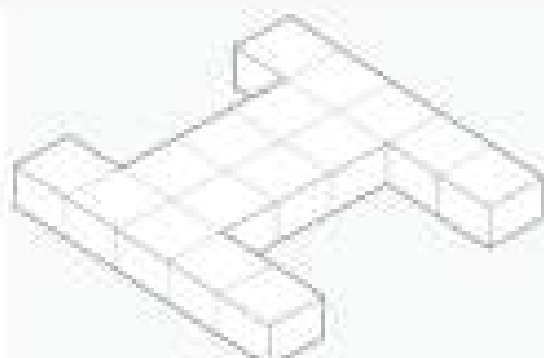
V>GIANT 150 Series



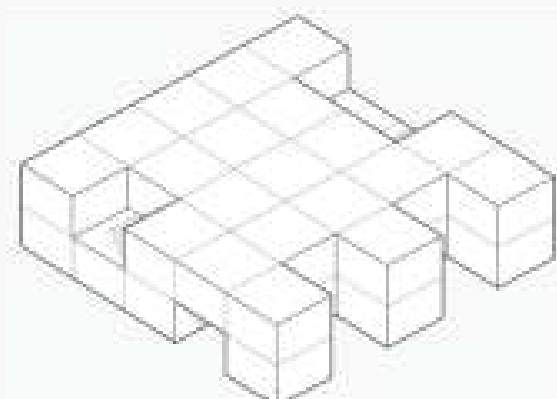
G.151



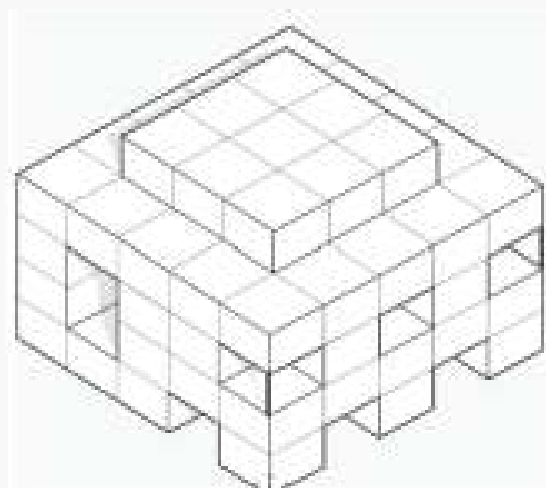
G.152



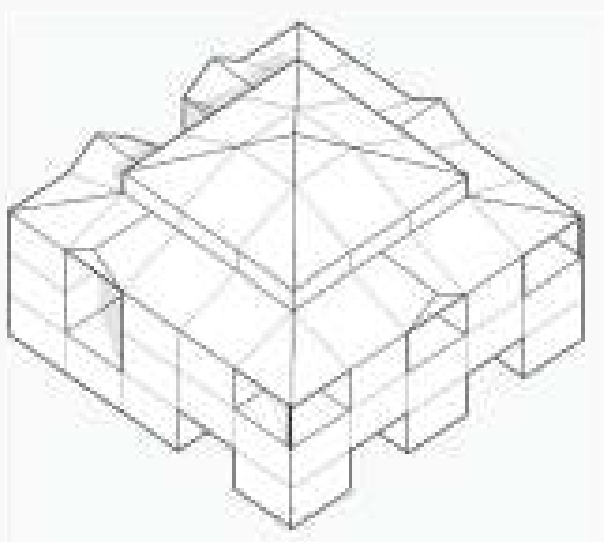
G.153



G.251

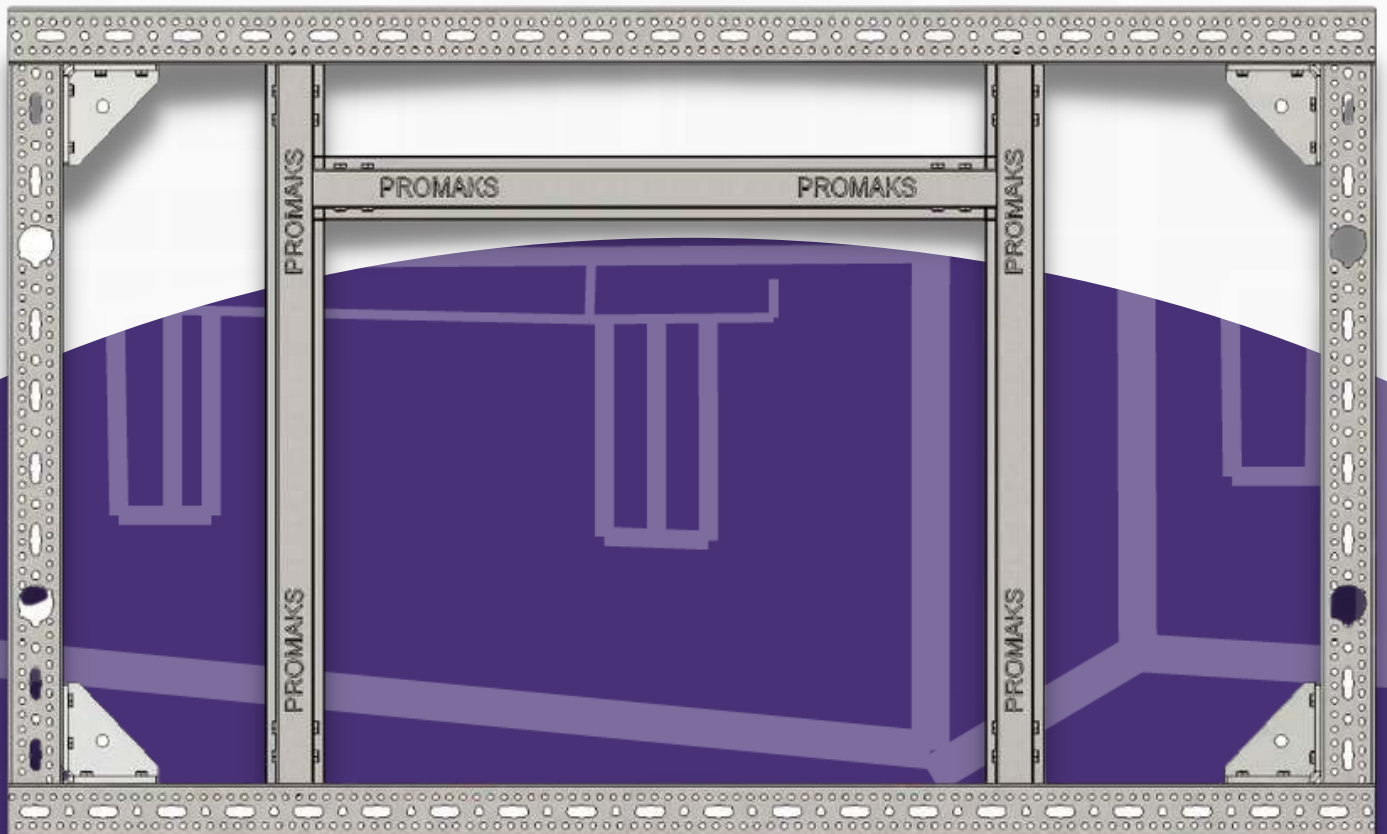


G.351



G.451

V>GIANT 150 Series



V>GIANT 150 Series

Multi Storey



Residential

Flexible Design

Utility

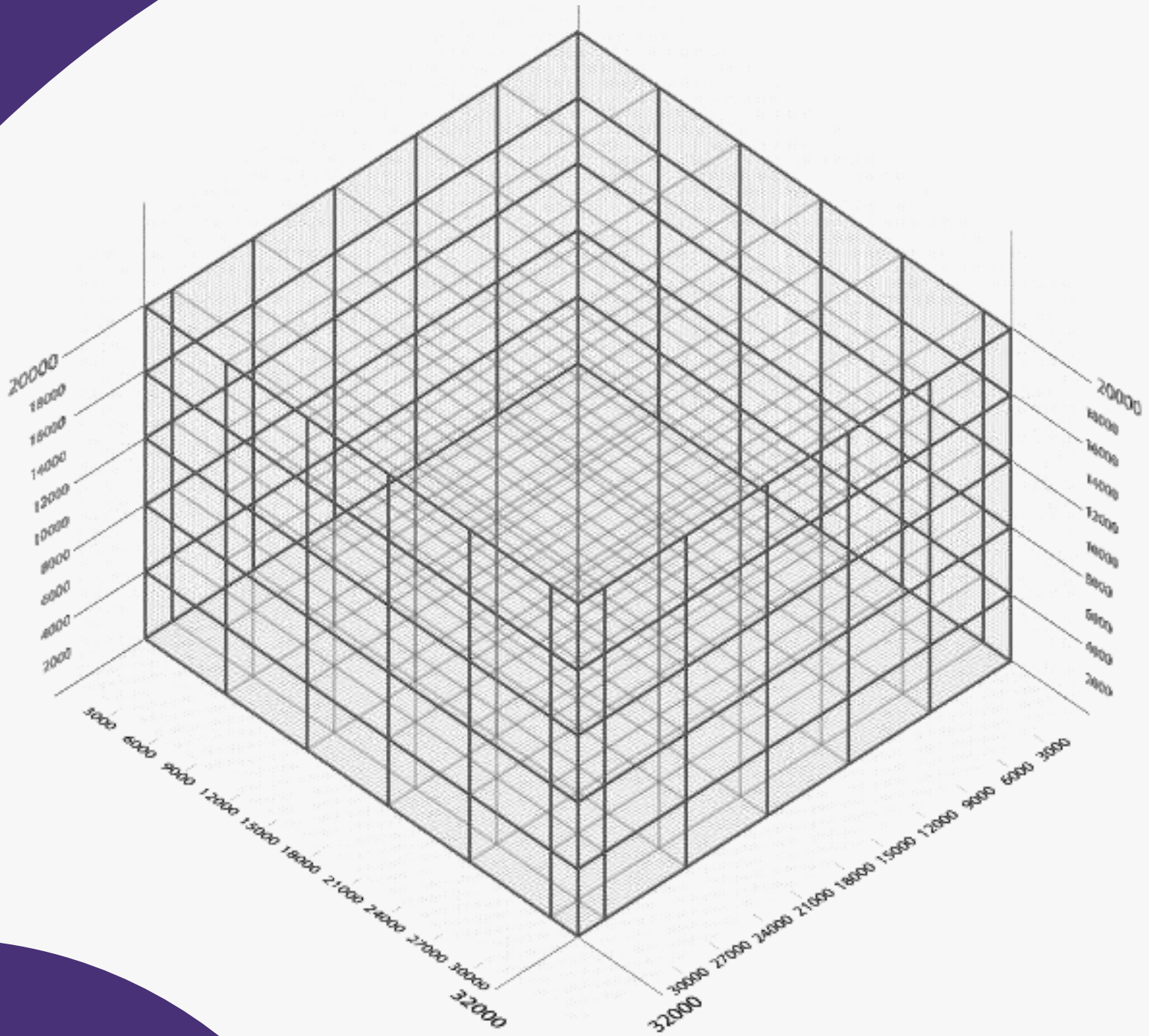
Commercial

Hurricane Resistance

Hotel

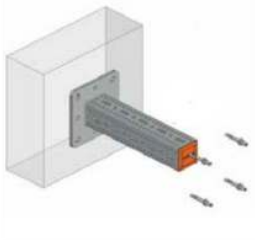


V>GIANT 150 Series



Base Module : 6.0 x 6.0 x 4.0 m

Smart Connection



PMKS-HK-150
Promega Connection



PMKS-KD-120
Promega Connection



PMKS-KD-101
Promega Connection



PMKS-HK-150
-Promega-Promega
Connection



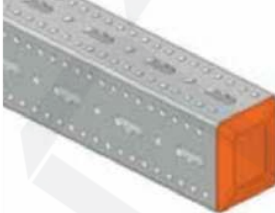
PMKS-KD-121
Promega Connection



PMKS-foot-150/151
Promega Connection



PMKS-TTA-150
Promega Connection



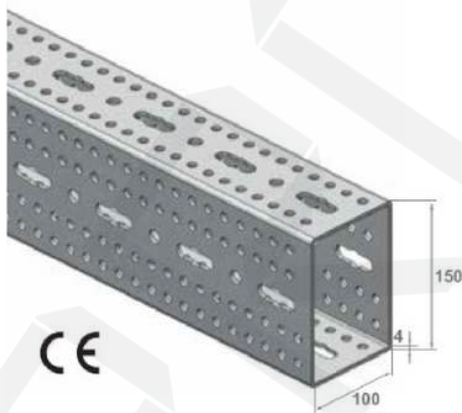
PMKS-PC-150
Promega Connection



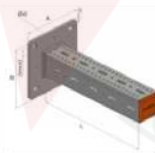
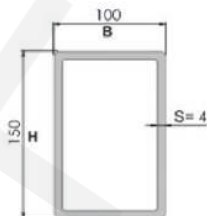
PMKS-MFS-150/151
Promega Connection

ProMAKS Profile

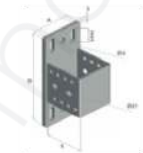
PMKS-PRF-150-001



CE



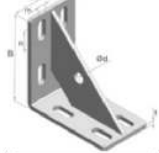
PMKS-HK-150



PMKS-KA-120



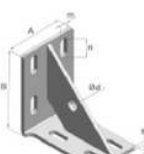
PMKS-KD-100



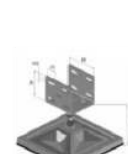
PMKS-KD-101



PMKS-KD-120



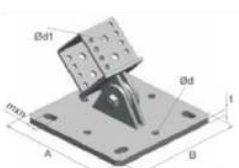
PMKS-KD-121



PMKS-FOOT-150/151



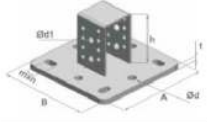
PMKS-MFS-150



PMKS-MFS-151



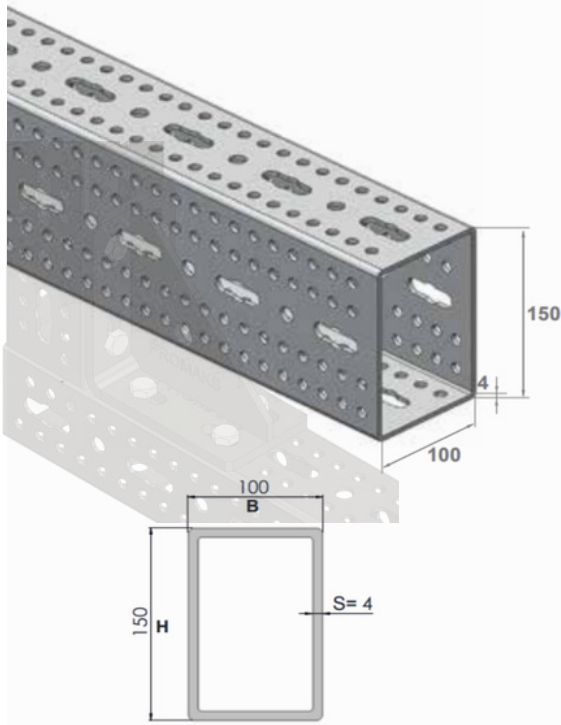
PMKS-PC-150



PMKS-TTA-150

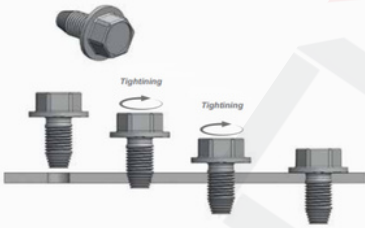
Connection Pieces

Heavy Duty V-GIANT Series Structural System



Service

Promaks is modular kit structural system, provide easy installation with self-threading bolt and high load capacity due to its special design.



Materials and Type

Steel S235 JR

Coating

EN 1461 Hot-dip galvanized
92µm minimum Hot-dip of galvanize.

Section Properties

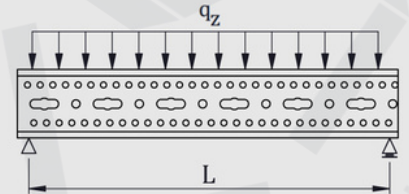
Profile Size			Unit Weight (kg)	Cross Section Area (mm ²)	Torsional Section Modules (cm ³)	Torsion Moment of Inertia (cm ⁴)	Moment of Inertia (cm ⁴)		Section Modules (cm ³)	
H	B	S					I _y	I _z	W _y	W _z
150	100	4	12	1235,00	112,06	618,26	404,80	213,46	53,97	42,69

■ The section properties is determined according to the perforated section.

Distributed load

Lmax (mm)	q _z , perm kN/m	F _z , (q _z , perm *L) kN
1000	71,00	71,00
2000	17,80	35,60
3000	7,90	23,70
4000	3,50	14,00
5000	1,75	8,75
6000	0,97	5,82

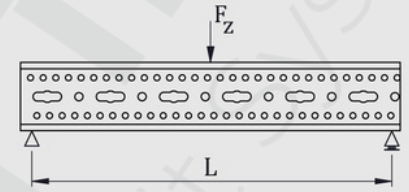
q_z[kN/m] as permanent load at L



Point load

Lmax (mm)	F _z , perm kN
1000	35,30
2000	17,80
3000	11,60
4000	8,70
5000	5,40
6000	3,60

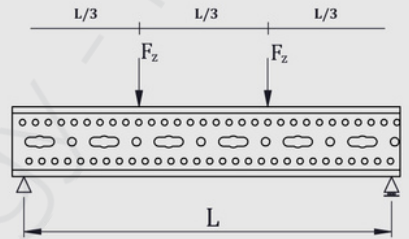
F_z[kN] as permanent load at L/2



2 point loads

Lmax (mm)	F _z , perm kN
1000	26,00
2000	13,30
3000	8,80
4000	5,20
5000	3,10
6000	2,10

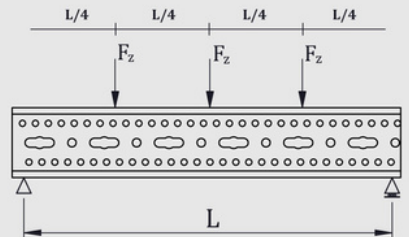
F_z[kN] as permanent load at L/2 and 2*L/3



3 point loads

Lmax (mm)	F _z , perm kN
1000	17,90
2000	8,90
3000	5,90
4000	3,60
5000	2,30
6000	1,50

F_z[kN] as permanent load at L/4, L/2 and 3*L/4



- Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

WINDOWS DOORS

ProMAKS system flexibility allows for late stage design changes even on the construction site



Slide every 2 cm

Slide every 2 cm

The diagram shows a grey window unit with a diagonal dashed line inside, centered within a frame. Two vertical green lines are positioned on either side of the window. Dashed arrows point outwards from the window towards these green lines, with the text 'Slide every 2 cm' below each arrow.



Slide every 2 cm

Slide every 2 cm

The diagram shows a grey door unit with a diagonal dashed line and a small white handle on the left side, centered within a frame. Two vertical green lines are positioned on either side of the door. Dashed arrows point outwards from the door towards these green lines, with the text 'Slide every 2 cm' below each arrow.





THANK YOU

