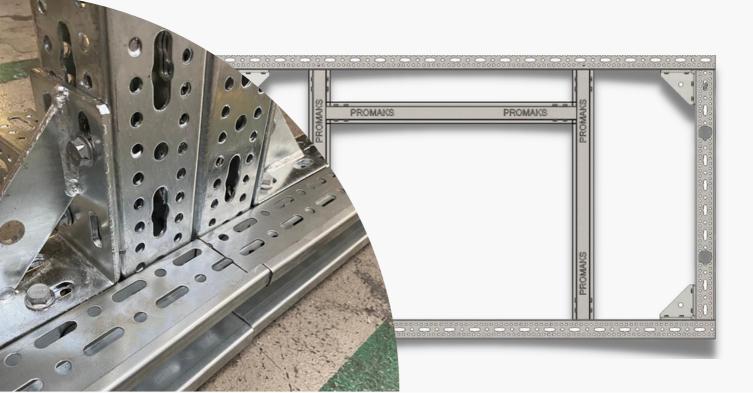


# **R.01 - ROOF & CEILING**

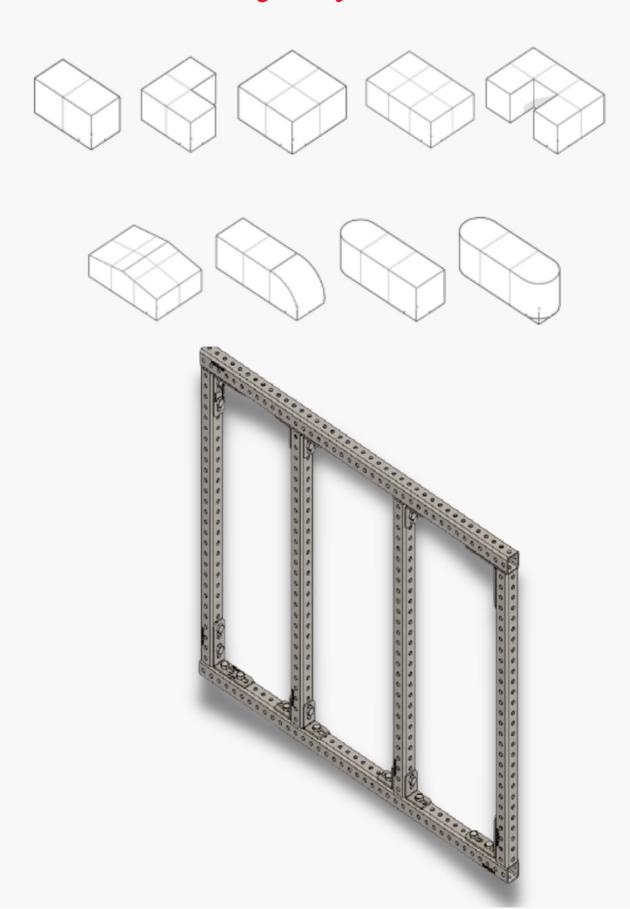
# **KIT STRUCTURE SYSTEMS SERIES DATA SHEETS**

VSELF 40 Series VSEASY 50 Series VSCORE 80 Series

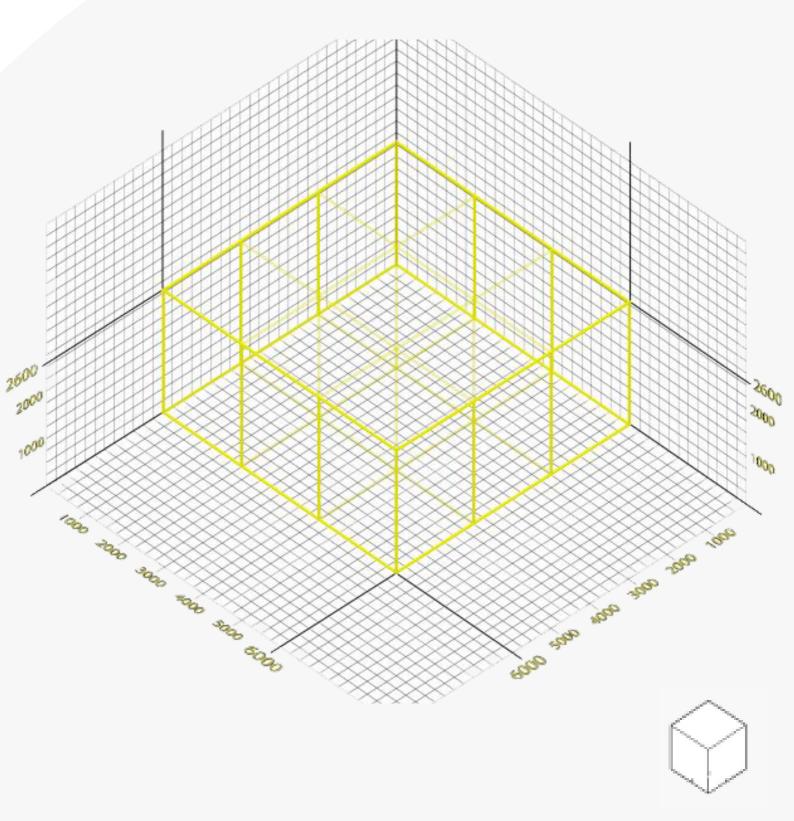
V>LINE 100 Series V>KING 120 Series V>GIANT 150 Series







# 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 PMKS-TTA-040/050 Promega Connection Promega Connection



PMKS-TDE-040/050 Promega Connection



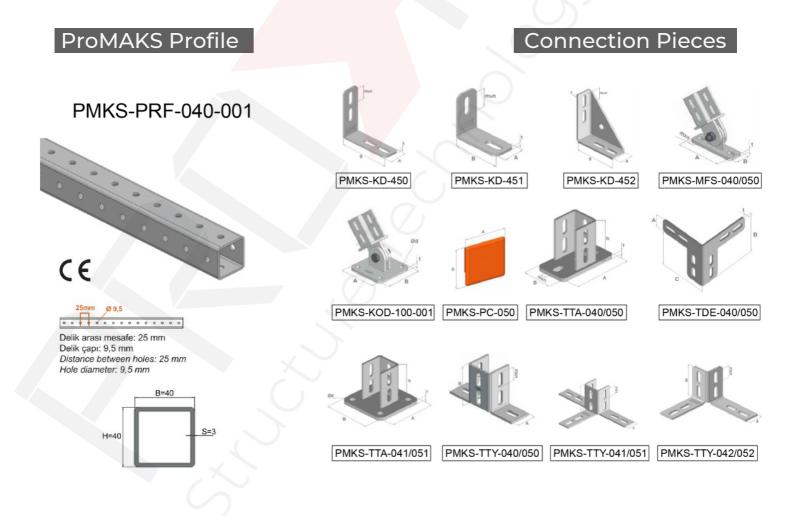
PMKS-TTA-041/051 Promega Connection



PMKS-TTY-040/050 Promega Connection



PMKS-TTY-041/051 Promega Connection PMKS-TTY-042/052 Promega Connection

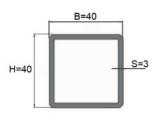


## Medium Duty V-SELF Series Structural Systems



25mm Ø 9,5

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

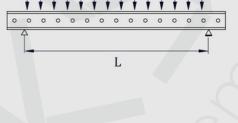
#### Coating

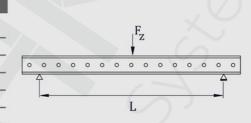
EN 1461 Hot-dip galvanized 92µm minimum Hot-dip of galvanize.

Distributed load					
Lmax (mm)	Fz, (qz,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			

#### qz[kN/m] as permanent load at L

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



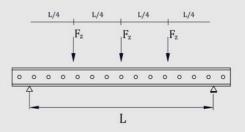


Fz[kN] as permanent load at L/2

2 Point loads					
Lmax (mm)	Fz, perm kN				
500	3,70				
1000	1,50				
1500	0,65				
2000	0,36				
2500	0,22				

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

3 Point loads					
L <mark>max</mark> (mm)	Fz, perm kN				
500	2,5				
1000	1,10				
1500	0,48				
2000	0,26				
2500	0,16				



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.

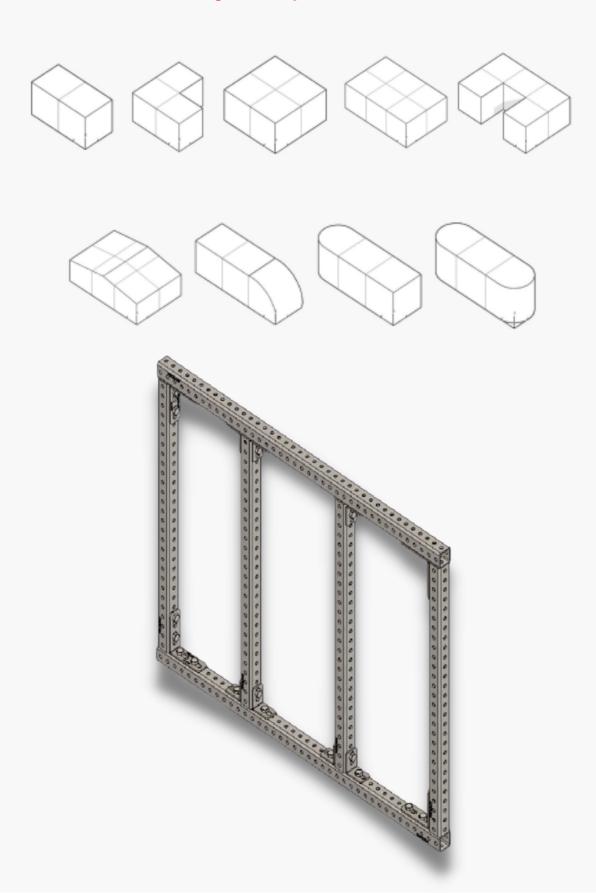
- Safety factor is taken iinto account as 1,35.
- Deflection limit value is L/200.

#### Section Properties

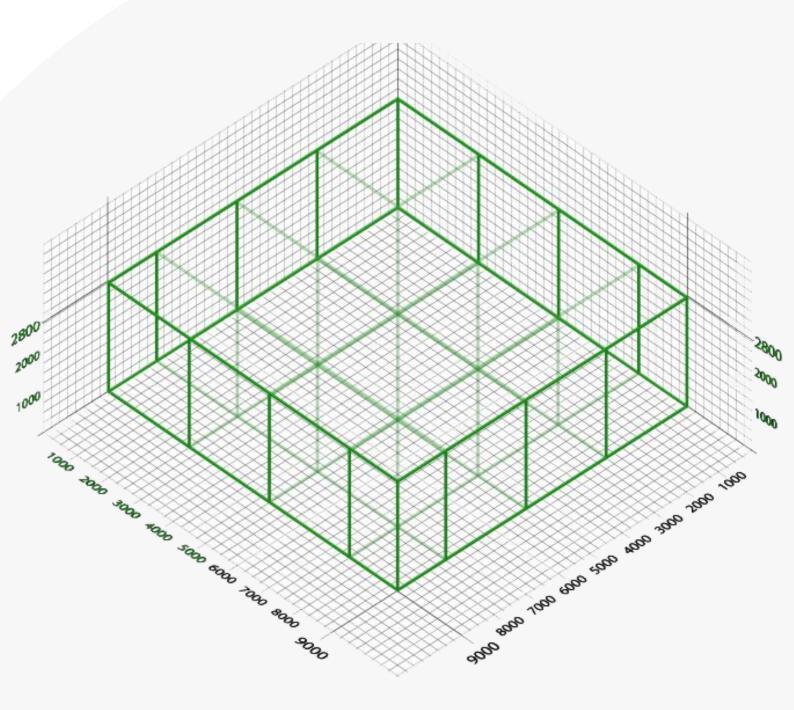
I	Profile Size	e	Unit Weight Cross Section Area Torsional Section Modules Torsion Mome		Torsion Moment of Inertia	Moment	of Inertia	Section	Modules	
	(mm)		(kg)	(mm²)	(cm³)	(cm4)	(c	m⁴)	(c	m³)
н	В	S		A	Wp	lp	ly	lz	Wy	Wz
40	40	3	3,10	309,00	8,13	14,77	7,38	7,38	3,69	3,69

The section properties is determined according to the perforated section.





# V>EASY 50 Series





Base Module : 2.5 x 2.5 x 2.8 m

# <u>Smart Connection</u>



PMKS-KD-450

Promega Connection



PMKS-KD-451 Promega Connection



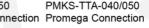
PMKS-KD-452

Promega Connection



PMKS-MFS-040/050 Promega Connection

PMKS-PC-050 PMKS-TTA-040/050 Promega Connection Promega Connection

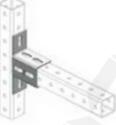




PMKS-TDE-040/050 Promega Connection



PMKS-TTA-041/051 Promega Connection

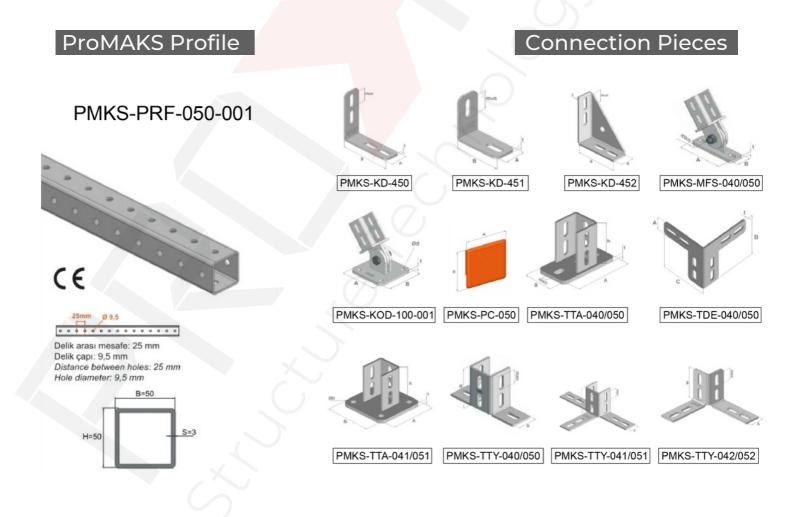


PMKS-TTY-040/050 Promega Connection

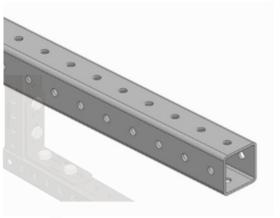


PMKS-TTY-041/051 Promega Connection

PMKS-TTY-042/052 Promega Connection

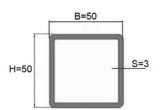


### Medium Duty V-EASY Structural System



25mm Ø 9,5 

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.

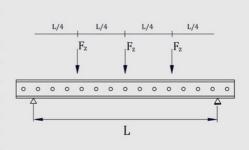
Distributed	load

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 perm	anent 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				
	N] as permanent load at 1 /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					

3 Point loads					
L <mark>max Fz, perm (mm) kN kN kN konstantista kan kan kan kan kan kan kan kan kan ka</mark>					
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.

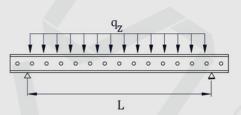
Safety factor is taken iinto account as 1,35.

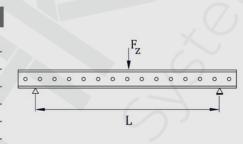
Deflection limit value is L/200.

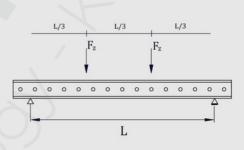
#### Section Properties

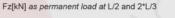
I	Profile Size Unit Weight		Profile Size Unit Weight		t Cross Section Area Torsional Section Modules Torsion Momen		Torsion Moment of Inertia	Moment of Inertia		Section Modules	
	(mm)		(kg)	(mm²)	(cm <sup>3</sup> )	(cm <sup>4</sup> )	(c	m⁴)	(c	m³)	
н	В	S		A	Wp	lp	ly	lz	Wy	Wz	
50	50	3	4,00	432,00	13,19	33,07	16,53	16,53	6,61	6,61	

The section properties is determined according to the perforated section.



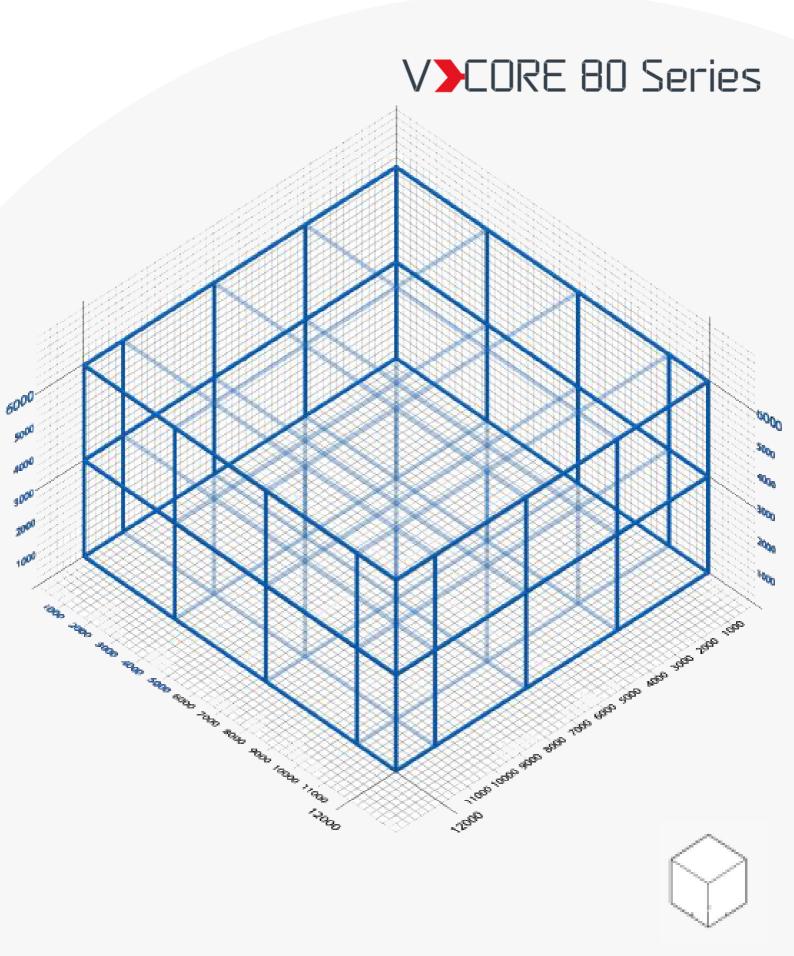




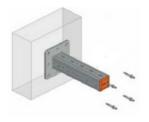








Base Module : 3.5 x 3.5 x 3.0 m



PMKS-HK-080 Promega Connection



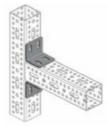
PMKS-HK-080 -Promega-Promega Connection



PMKS-TTA-080 Promega Connection

# **ProMAKS** Profile

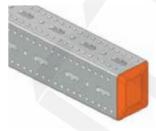
PMKS-PRF-080-001



PMKS-KD-080 Promega Connection



PMKS-KD-081 Promega Connection



PMKS-PC-080 Promega Connection





PMKS-KD-082 Promega Connection



PMKS-KD-118 Promega Connection

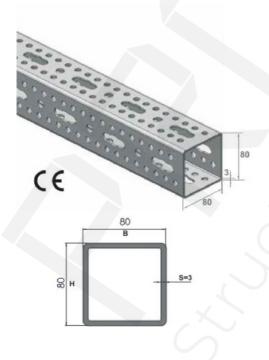


PMKS-MFS-080/081 **Promega Connection** 

## **Connection Pieces**







PMKS-HK-080











PMKS-KD-081

PMKS-KD-118

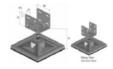
PMKS-PC-080 PMKS-TTA-080



PMKS-MFS-080

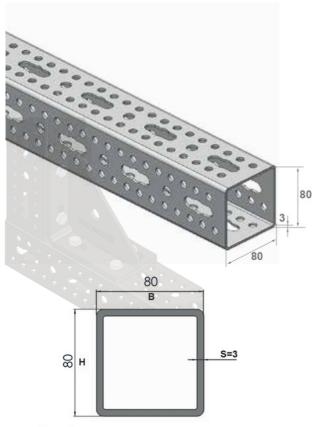


PMKS-MFS-081



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.

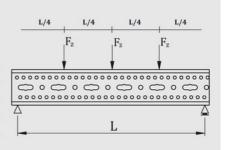
Distributed load						
Lmax (mm)	qz, perm kN/m	Fz, (qz,perm *L) kN				
1000	18,00	18,00				
1500	8,00	12,00				
2000	3,82	7,64				
2500	1,94	4,85				
3000	1,10	3,30				
3500	0,68	2,38				
qz[kN/m] as permanent load at L						

F	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 accordence with Eurocode 3 (EN 1993) 

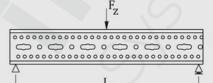
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

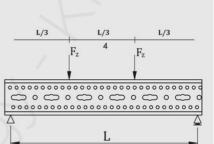
### Section Properties

Profile Size Unit Wei		Unit Weight	Cross Section Area				of Inertia	Section Modules		
	(mm)		(kg)	(mm²)	(cm <sup>3</sup> )	(cm4)	(c	m⁴)	(ci	m³)
Н	В	S		A	Wp	lp	ly	lz	Wy	Wz
80	80	3	5,74	510,00	35,51	108,82	54,41	54,41	13,60	13,60

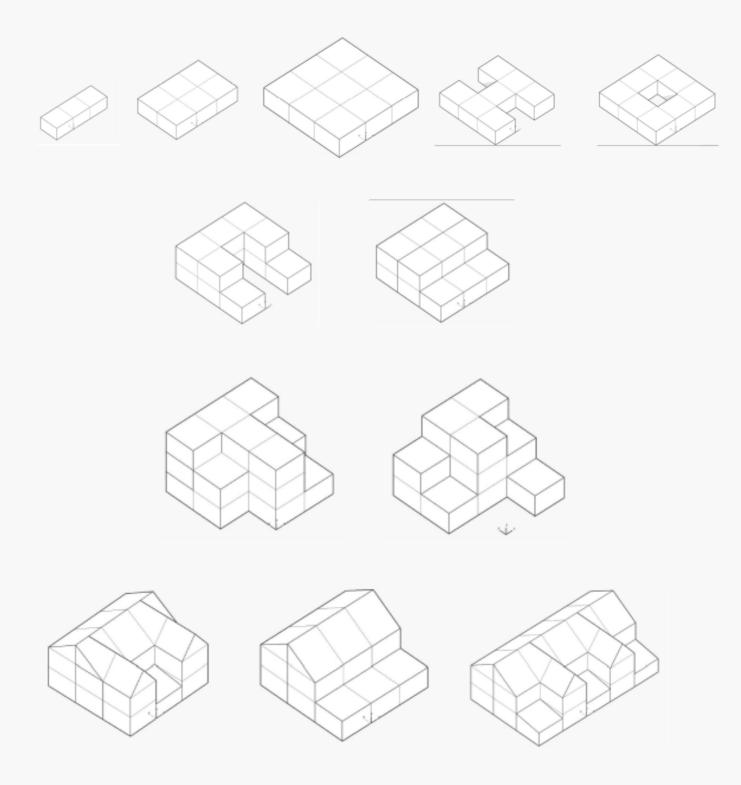
The section properties is determined according to the perforated section.

			$q_{z}$				
$\Box$							
00000	0000	0000	0000	000	0000		
00							
00000	0000	0000	0000	000	0000	000	000
<u>^</u>							4
			L		$\sim$		_
							-1

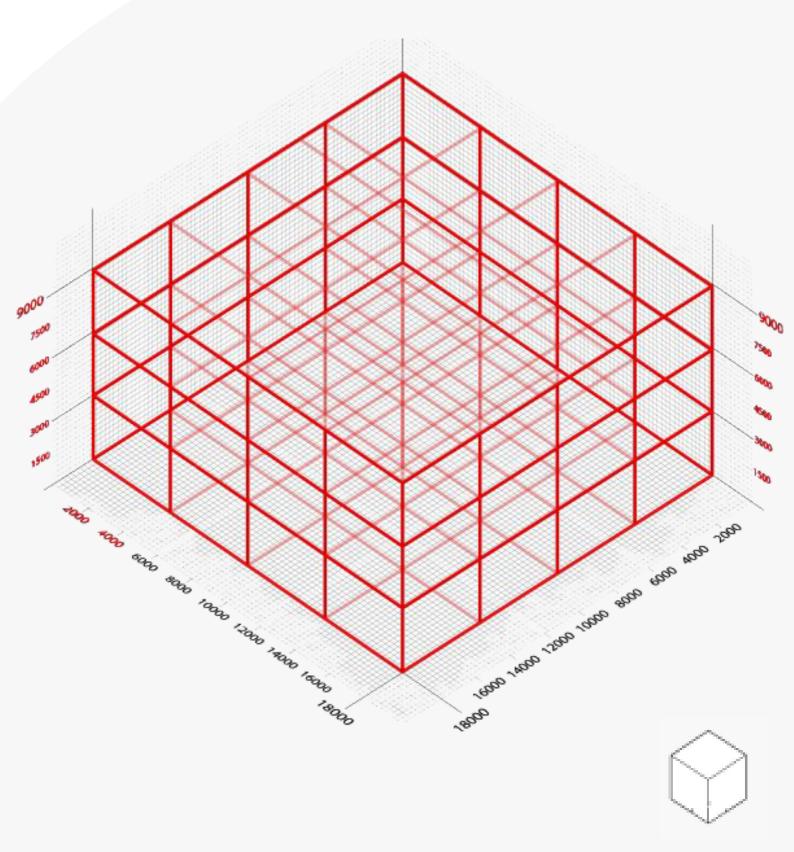




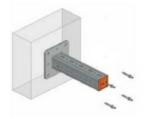




# VXINE 100 Series



Base Module : 4.5 x 4.5 x 3.0 m



PMKS-HK-100 Promega Connection



PMKS-HK-100 -Promega-Promega Connection



PMKS-TTA-100 Promega Connection

# **ProMAKS** Profile



PMKS-KD-120 Promega Connection



PMKS-KD-121 Promega Connection



PMKS-PC-100 **Promega Connection** 





PMKS-KD-101 Promega Connection



PMKS-foot-100/101 Promega Connection

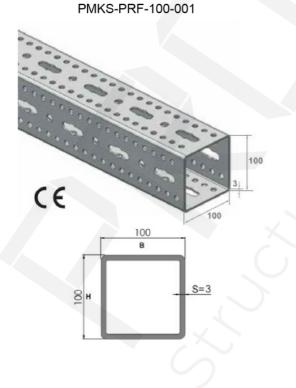


PMKS-MFS-100/101 **Promega Connection** 

# **Connection Pieces**









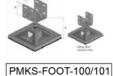






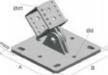


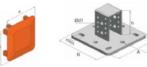






PMKS-MFS-100

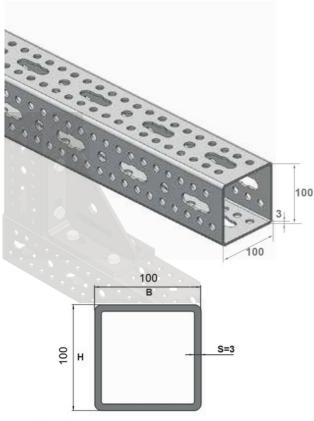




PMKS-MFS-101

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

7 80 1	101	mh	1110	$\alpha$	caa	
-	101	пIJ	uic	<b>u</b> /	Jau	

Lmax (mm)	qz, perm kN/m	Fz,(qz,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.	[kN/m] as perm	anent load at L

Lmax (mm)	Fz, perm kN
1000	16,00
2000	7,90
3000	4,70
4000	2,50
5000	1,50
6000	0,99

Fz[kN] as permanent load at L/2

2 point loads						
Lmax (mm)	Fz, perm kN					
1000	12,00					
2000	5,90					
3000	2,71					
4000	1,52					
5000	0,91					
6000	0,58					
Ez[kN] as	permanent load at 1 /2 and 2*1 /3					

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

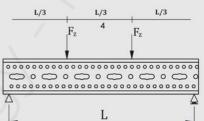
3 point loads					
Lmax (mm)	Fz, perm kN				
1000	8,00				
2000	3,90				
3000	1,96				
4000	1,10				
5000	0,65				
6000	0,40				

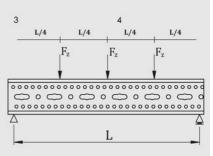
2 noint loodo

Fz	
	0 0
L L	

qz

L





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

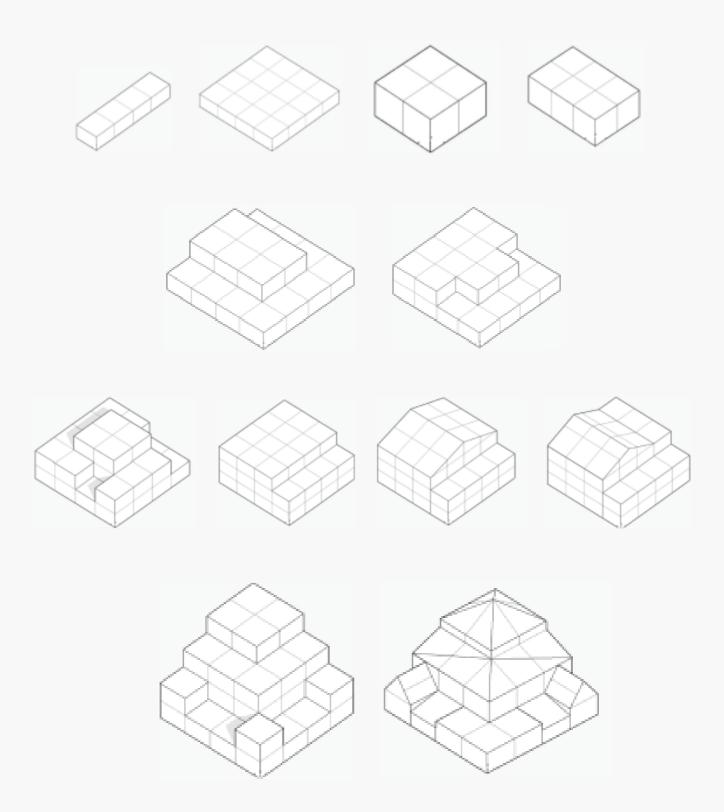
Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)

- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

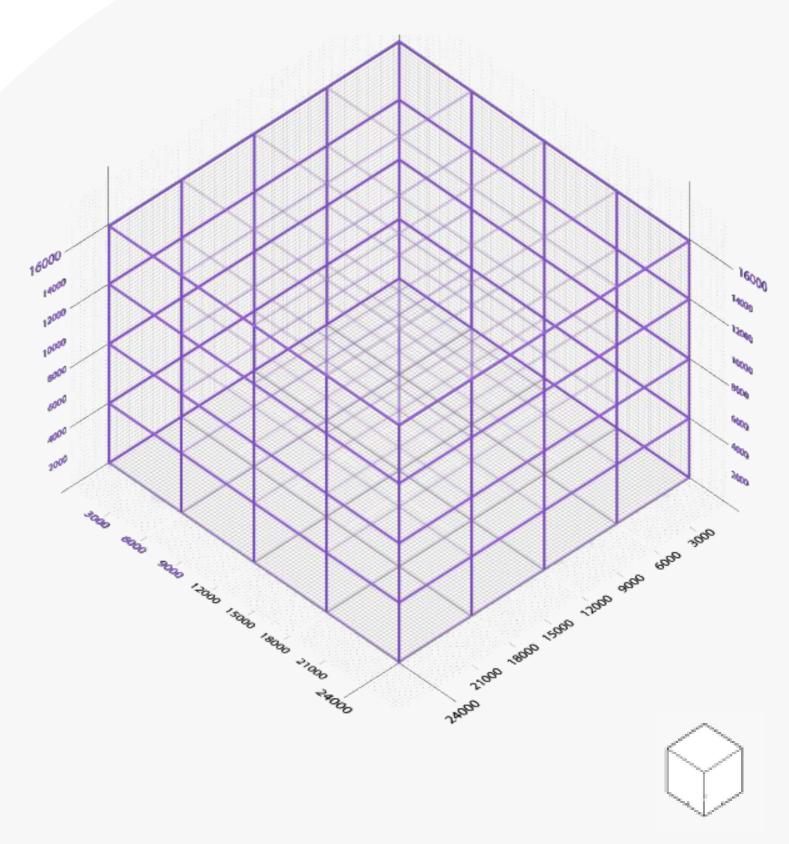
		Unit Weight	Cross Section Area	Torsional Section Modules	Torsion Moment of Inertia	Moment	of Inertia	Section	Modules	
	(mm)		(kg)	(mm²)	(cm <sup>3</sup> )	(cm <sup>4</sup> )	(c	m⁴)	(CI	m³)
Н	В	S	X	А	Wp	lp	ly	lz	Wy	Wz
100	100	3	7,3	750,00	56,39	242,23	121,12	121,12	24,22	24,22

The section properties is determined according to the perforated section.

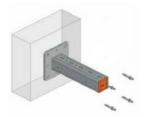




# VXING 120 Series



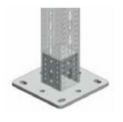
Base Module : 6.0 x 6.0 x 4.0 m



PMKS-HK-120 Promega Connection



PMKS-HK-120 -Promega-Promega Connection



PMKS-TTA-120 Promega Connection



PMKS-PRF-120-001



PMKS-KD-120 Promega Connection



PMKS-KD-121 Promega Connection



PMKS-PC-120 Promega Connection





PMKS-KD-101 Promega Connection



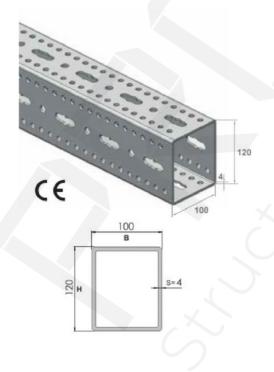
PMKS-foot-120/121 Promega Connection



PMKS-MFS-120/121 Promega Connection

## **Connection Pieces**







PMKS-KA-120

PMKS-KD-100

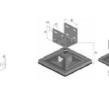




PMKS-KD-120

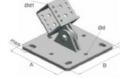


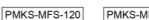
PMKS-KD-121







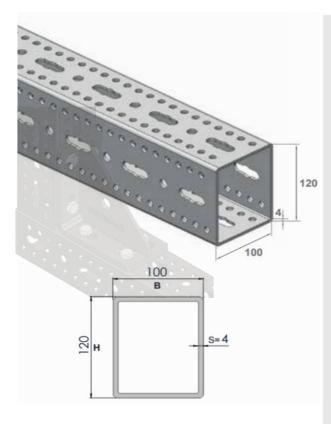




PMKS-MFS-121

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

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

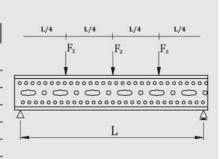
Lmax (mm)	Fz, perm kN
1000	26,00
2000	13,30
3000	8,08
4000	5,20
5000	3,20
6000	2,10

Fz[kN] as permanent load at L/2

Z	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 р	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				



q,

L

Fz

L

L/3

4

Fz

L/3

Fz

C

L/3

0000000000

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

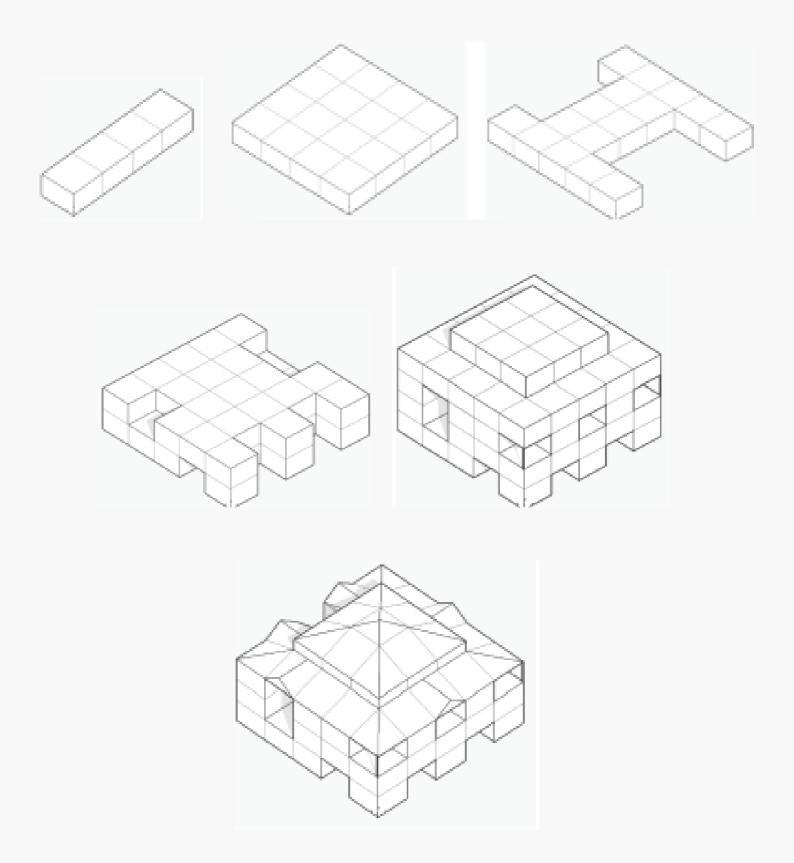
Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)

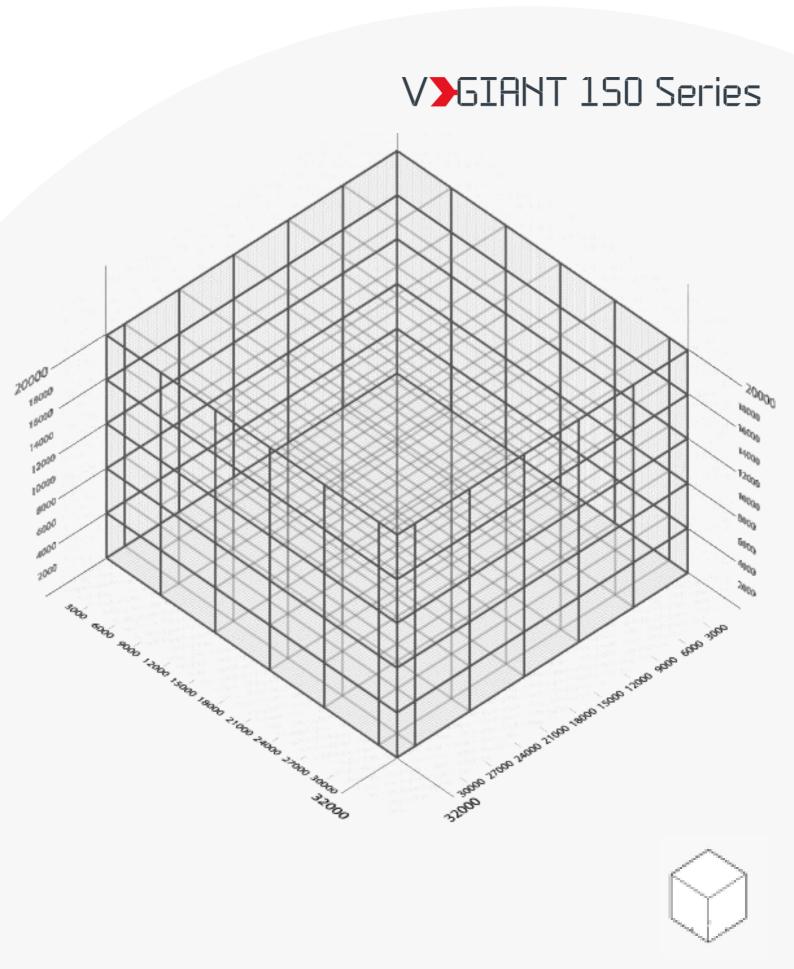
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

P	Profile Siz	e	Unit Weight	Cross Section Area	Torsional Section Modules	Torsion Moment of Inertia	Moment	of Inertia	Section	Modules
	(mm)		(kg)	(mm²)	(cm <sup>3</sup> )	(cm <sup>4</sup> )	(c	m⁴)	(ci	m³)
Н	В	S		A	Wp	lp	ly	lz	Wy	Wz
120	100	4	11	1147,00	89,02	435,10	241,92	193,18	40,32	38,64

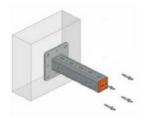
The section properties is determined according to the perforated section.







Base Module : 6.0 x 6.0 x 4.0 m



PMKS-HK-150 Promega Connection



PMKS-HK-150 -Promega-Promega Connection



PMKS-TTA-150 Promega Connection

# **ProMAKS** Profile

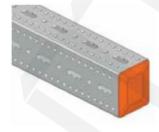
PMKS-PRF-150-001



PMKS-KD-120 Promega Connection



PMKS-KD-121 Promega Connection



PMKS-PC-150 Promega Connection





PMKS-KD-101 Promega Connection



PMKS-foot-150/151 Promega Connection



PMKS-MFS-150/151 Promega Connection

## **Connection Pieces**

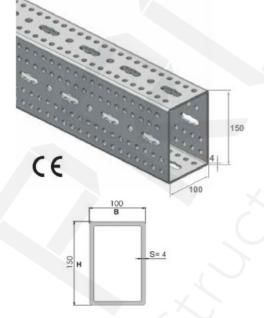












PMKS-HK-150





PMKS-KD-100

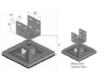




PMKS-KD-120



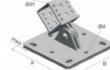




PMKS-FOOT-150/151



PMKS-MFS-150

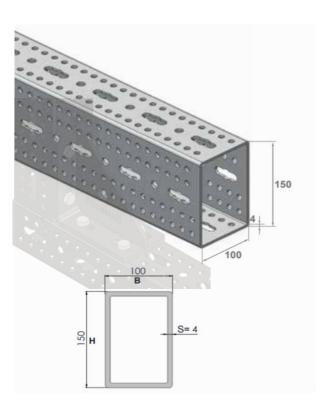




PMKS-PC-150

PMKS-TTA-150

### 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.

DI	stri	bui	ea	ioad	

Lmax (mm)	qz, perm kN/m	Fz,(qz,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	r[kN/m] as perm	anent load at L

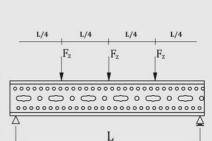
Point load           Lmax         Fz, perm           (mm)         kN           1000         35.30			
1000	35,30		
2000	17,80		
3000	11,60		
4000	8,70		
5000	5,40		
6000	3,60		

Fz[kN] as permanent load at L/2

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

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

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



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

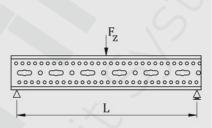
Basis of calculation of the load capacity is accordance with Eurocode 3 (EN 1993)

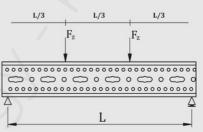
- Self weight considered.
- Safety factor is taken into account as 1,35.
- Deflection limit value is L/200.

#### Section Properties

Area		Cross Section Area	Torsional Section Modules Torsion Moment of Inertia		Moment of Inertia		Section Modules			
	(mm)		(kg)	(mm²)	(cm <sup>3</sup> )	(cm <sup>4</sup> )	(c	m⁴)	(CI	m³)
Н	В	S	~	А	Wp	lp	ly	lz	Wy	Wz
150	100	4	12	1235,00	112,06	618,26	404,80	213,46	53,97	42,69

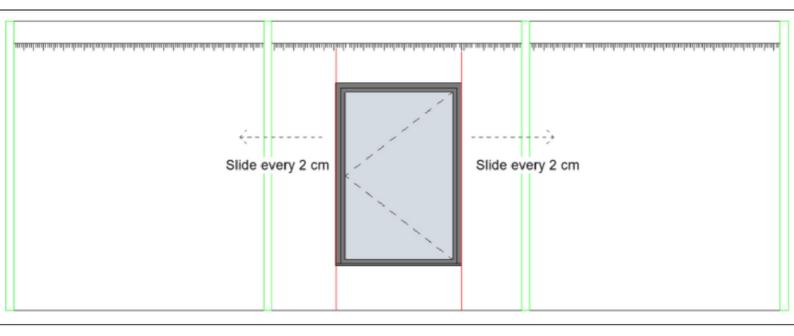
 $q_z$ 

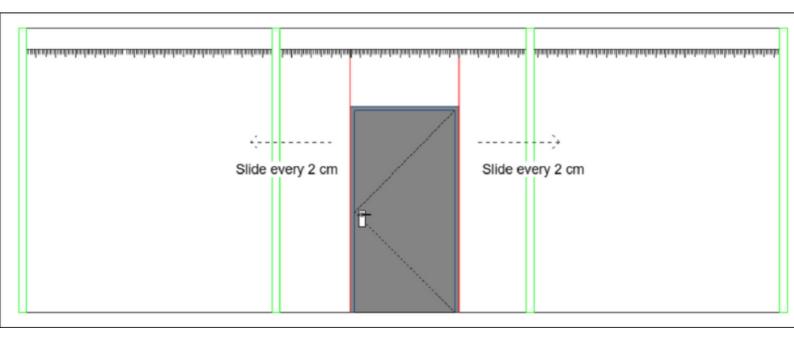




# WINDOWS DOORS

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





					ДОБРОВОЛЬНАЯ СЕРТИФИКАЦИЯ ПР Система добовотной сортании в 1 област вородиние на изделение на вородители и баранерирован Фараранска и област до на област на сортании и н	one Toberone anner
CI	ERTIFICA	TE	WELDI	NG CERTIFICATE	СЕРТИФИКАТ СООТВЕТСТ	вия
o	of conformity the factory production conf	trol	Ce	rtificate No.: 0408-CPR-TA3643	N# 048(3)0101.TR.C01160	
	No.: 0408-CPR-TA3643		Manufacturer	LINK YAPI SANAYİ VE TİCARET	Cpost.netlermas c 23.08.2021 mo 22.08	2024
Council of 9 <sup>th</sup> March 2011 applies to the construction	lation 305/2011/EU of the Europe ( the Construction Products Regular product omponents for Steel structu	tion or CPR), this certificate	<u>명</u> 용 - 6	ANONİM ŞİRKETİ GEBZE ORGANİZE SANAYİ BÖLGESİ 1000.SK NO:1016 CAYIROVA, KOCELİ / TÜRKIYE	ОРТАВ ПО СЕРТИФИКАЦИЯ. Общества е огранячивный еляст Место измякаления (дрес корядического дица). 44300, ЮССИЯ, Самаре	N7 1301485 ственностью «СамараТест
harmonised Standard EN 1090-1:2009+A1:2011	execution class Load bearing steel components with corrosion protection up	declaration method 1 and 3a acc. Tab. A.1 of	Factories	LINK YAPI SANAYI VE TICARET ANONIM ŞIRKETİ GEBZE ORGANIZE SANAYİ BÖLGESİ 1000 SK NO:1016	улина Зувидото, дов 19. Аррен места окудиствления депась, РОС. И. самар улина Зувидото, дов 19. Аррен места окудиствления депаснылосте. 44000 Г. Жлениковородный район, город. Сомарь, улина Уринаного, дов 19. Талефоне *765461206-01-79. Аррее электронней постко избой инигизоватили комиетствитося органа по сертификация XM POCC RU.31485.041(ДОО.101 от 27.)	ОССИЯ, Самарская област комядты 45, 46, 48, 4 Свядетельство о прязнани
	to EXC 2 acc. EN 1090-2	EN 1090-1	NKAT	ÇAYIROVA, KOCELÎ / TÛRKIYE	ПРОДУКЦИЯ Крепсковае изделяя для монтаковах работ, торговой марки «LINK», «РгоМеда»	803-OK 034-2014 (KIIEC 2008)
produced by or for	ANAYI VE TICARET AND	NIM SIRKETI	5 Standard	EN 1000-1:2009+A1:2011 EN 1000-2:2018	Ceperitoral marryce	25.99.29
GEBZE ORGA	NIZE SANAYI BÖLGESİ 1	000.SK NO:1016	Execution Classes	EN 1000-22018 Up to EXC 2	COOTBETCTBYET TPEEOBABHRM BOPMATHBRIEN JOKOMENTOB	sea TH ROD
and produced in the manu LINK YAP	I SANAYI VE TICARET ANON	IM SIRKETI	Welding Processes (According to 850 4360) Parent Metalls	135 - Metal Active Gas Welding 212 - Resistance Spot Weiding 741 - Induction Welding	Соответствует герроранных порокаливных, додо эна гов	112/04/04/01/112/04/04/04/01/112/04/04/04/04/04/04/04/04/04/04/04/04/04/
This certificate attests th	ANIZE SANAYI BÖLGESİ 100 ÇAYIROVA, KOCELİ / TÜRKI' at all provisions concerning the asa described in Annex ZA of the stand	YE sesament and verification of	Parent Metals	Group 1.1 and 1.2 acc. to CEN ISO(TR 15608 and EN 1090-2, Table 2 and 3 Group 8.1 acc. to CEN ISO(TR 15608 and EN 1090-2, Table 4	IDFOTOBIITE/IL «LINK YAPI SANAYI VE TICARET A.S.» IOpuzievecusti azpo:: Geber OSB2 Mahalievi1000. Cadde Net1016-1 Cayleova Kor	тізновов, такроосо, такончи таків тако засів/Турцаня
under system 2+ are appl	EN 1090-1:2009+A1:2011		Coordinator	Batuhan UNCU (NVE), 17/05/1993 Level (C) acc. to EN 1090-2, 7.4.3	СЕРТИФИКАТ ВЫДАН Общество с ограниченной ответственностью «Мир Юридический адрес 11704], город Мохив, удина Адмерала Руднева, дон 4, го	
	ed and that ion control fulfills all the pre	scribed requirements	Deputies		odus 613 Texebou: 24954814150. E-mail: MirTekhnologivitemail.com	
	set out above.		Confirmation	It is confirmed that all procedures for the execution	ИНН 7727346710	
methods and/or factory standard, used to assess and the product, and the product, and the product, and the product is the product of the pr	issued on 28.07.2020 and will remo production control requirements is the performance of the declared of he manufacturing conditions in t veillance is due on 27.07.2023.	ncluded in the harmonized aracteristics, do not change,	Remarks	and supervision of welding work are available. This welding certificate is only valid within the scope of and in connection with FPC Certificate No.: 0408-	НА ОСНОВАНИИ Протовоза колгазавої № 195-2108 от 20.08.2021 года, вы центрою Заветротехничностка язадний «Стройновтано». Заврагітого акционерног проязвадственный центр «СТРОЙМОНТАХ»	цанного испытательным о общества Научно-
signification. The next sur	venance is due on 27 MT 2023.	SA DEAVIES	IC Y	CPR-TA3643 28.07.2020 (free day of lease)	ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ Схема серезфиканан: Эс	
		1 TON B	Valid from	27.87.2020 (no. try of tours) 27.87.2023	Prosecurity entry	A.C. Jasevan
Leonding	02.08.2022	Mastnak Alexander	Leonding	02.08.2022 Mastnak Mextander	( Mitting)	<u>     P.R. Iviana</u>
PLACE	DATE	CERTIFICATION BODY	TÜV AUSTRIA	DATE CERTIFICATION BODY	Abaanes	
				IN YOUCH IN		



# **Certificate of Compliance**

This certificate is issued for the following:

Seismic Sway Brace Components for Pipe, Tubing and Conduit (see details attached)

Prepared for:

Manufactured at:

Link Yapi Sanayi Ve Ticaret AS Gebze Organize Sanayi Bolgesi 1000 Sokak No 1016 Cayirova, Kocaeli 41400 Turkey Link Yapi Sanayi Ve Ticaret AS Gebze Organize Sanayi Bolgesi 1000 Sokak No 1016 Cayirova, Kocaeli 41400 Turkey

Approval Granted: November 12, 2019

FM Approvals Class: 1950 (September 2013)

Approval Identification: 0003062495

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.



David Fuller

VP - Manager of Fire Protection FM Approvals 1151 Boston-Providence Turnpike Norwood, MA 02062

Page 1 of 3



#### **TÜV NORD TURKEY Industrial Services**

	Inspec	tion Report	
INSPECTOR	Özgün Ozan TÜRK	TÜV ORDER NO.	211445326
PLACE & DATE	ITÜ Kompozit ve Yapı Lab03.12.2019	REPORT NO	RP-211445326-03
CUSTOMER	Link Yapı San. ve Tic. A.Ş.	MANUFACTURER	N/A
CUSTOMER ORDER NO	-	MANUFACTURER ORDER NO	
INSPECTION DATES	03.12.2019	MANUFACTURER CONTACT	-
CUSTOMER CONTACTS	Ömer Cılız	HARD STAMP	Yes No
REPORT TYPE	🖂 Initial 🗌 Inter	rm Final	
ANNEXES	X Yes No		

#### SUBJECT OF INSPECTION

REPORT NO: RP-211445326-03

Prestreched steel wire ropes for Seismic Brace System were subjected to tensile test under dynamic loads by following the test procedure in ANSUASHRAE Standart 171-2017 to rate the capacity of seismic and wind restaints of ropes and seismic link system which Link Yapa San. ve Tik. A.Ş. has (See Table 1.) and to evaluate the minimizing ability about the differential movement between a component and the supporting building structure during an earthquake or a high-wind over by determining the maximum loads the single directional single axis restraint can withstand without breakage or excessive deformation.

\* ANSI/ASHRAE Standart 171-2017 was accepted as guide during inspection.

Model	Diameter (mm)	Serial Number
STB 11	1.6	0334.1.STB.511G
	2.4	0334.1.STB.512G
STB 13	3.2	0334.1.STB.513G
STREET.	4.9	0114 LSTR 515G

Table 1. Product Tested

#### PROJECT PROGRESS

Three sample of each model were subjected to test for each angle 30°, 45° and 60° by using fixtures to arrange the angles. Anticipated maximum capacity loads (See Table 2) were declared by Link Yapt San. ve Tic. AS, Conformity of loading cycles and frequencies were controlled and approved for each model acc. to ANSU/ASHRAE Standart 177-2017. Load application frequency was seen as 0.1 Hz as indicated in the standart. Loadings were done in periodic and continuous cycles. It was seen that Link Yapt San. ve Tic. A.Ş followed the loading steps below as indicated in the standart.

Tüv Teknik Kontrol ve Belgelendirme A.Ş Ayarmadore Cad. Parar Sok. Itarili Pixus No 2-4, Kat 4, Gayrenepe TR-34349 Beşiktaş, baabul Tel : +90212 2902642 Pax : +90212 293384 e-mail : <u>two-nordsitne-tarkey.com</u> F-156-R2-ENG Serds 1/4

## Inspection Report

TÜV AUSTRIA

ΤŪ AUSTRIA

Page 1/14

#### 22-IS-0424

#### **PROLINK G PROFILE** & PLGMK EASY-LOCK SEISMIC TESTS

#### **INSPECTION REPORT**

Inspection Requesting:

Inspection Address:

LINK YAPI SAN. VE TIC. A.Ş. Gebze Organize Sanayi Bölgesi, 1000. Sokak, NO:1016, Çayırova - Kocaeli

SABANCI ÜNİVERSİTESİ İstanbul Teknoloji Geliştirme Bölgesi, Teknopark Bulvarı, No:1 34906 Pendik /İSTANBUL

Inspection Dates: 28.03.2022

23.06.2022

22-IS-0424-TAT-22-0139

Report No: Report Date:

Report Published:

FIRST OUALITY CERTIFICA

TÜV AUSTRIA TURK Belgelendirme Eğitim ve Gözetim Hizmetleri Ltd. Çamlık Mah. İkbal Cad. Dinç Sok. No:28/1 Ümraniye / İstanbul

FRM-IND-002 Revision:01 / 09.03.2020





ETA 18/0441 of 03/06/2018

#### **European Technical** Assessment

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Technical Assessment Body issuing the ETA: Technical and Test Institute for Construction Prague Trade name of the construction product Product family to which the construction Product area code: 33 product belongs Product area code: 33 Torque controlled expansion anchor for use in uncracked concrete LINK YAPI SAN. VE TIC. AŞ. GOSB 1000 CD. NO:1016 ÇAYIROVA – GEBZE KOCAELİ TURKEY Manufacturer Manufacturing plant Manufacturing Plant No 2 This European Technical Assessment 10 pages including 8 Annexes which form an integral part of this assessment EAD 330232-00-0601 Mechanical fasteners for use in concrete

This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of This version is a corrigendum to ETA 18/0441 of 03/06/2018

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090-041492

