

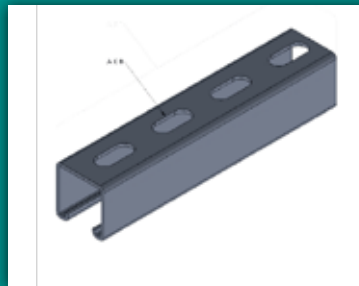


AZUR INSULATION

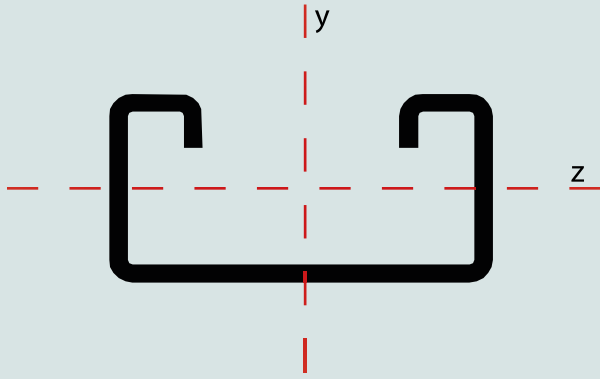
Smart Supply

G PROFILE

SMART SUPPLY OF
TECHNICAL INSULATION

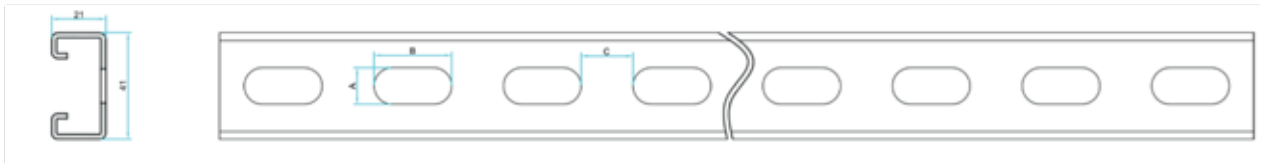


41/21 G Profile



"F" forces in the table are calculate for loading direction in "y" axis.

Azur Insulation G support channel have wide range of uses in different industries. Used as assembly and support component in exterior hanging systems, electricity installations. Can be used single or attached with other framings. Supported with channel assembly accessories.



Features

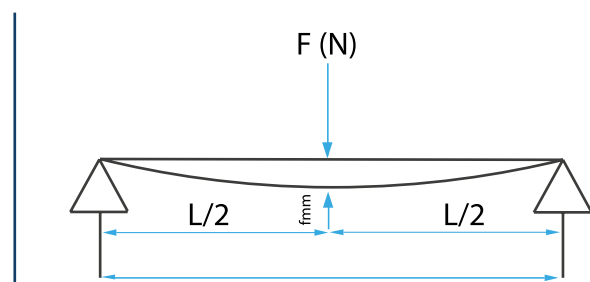
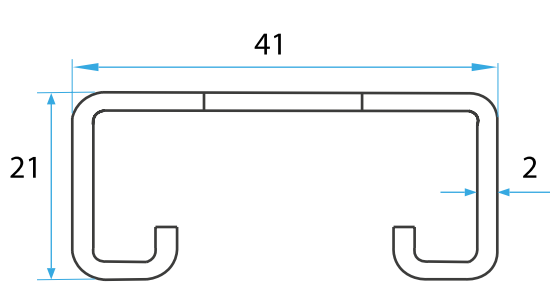
Code No	Aterialt	t (mm)	AxB (mm)	C (mm)	Unit Weight (kg/m)
AIPG4121	Dx51D	2	13x30	20	1,44

41/21 G Profile

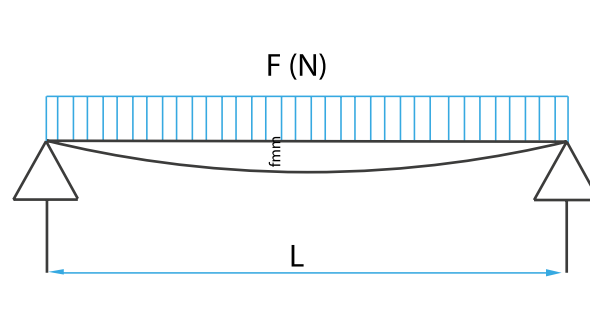
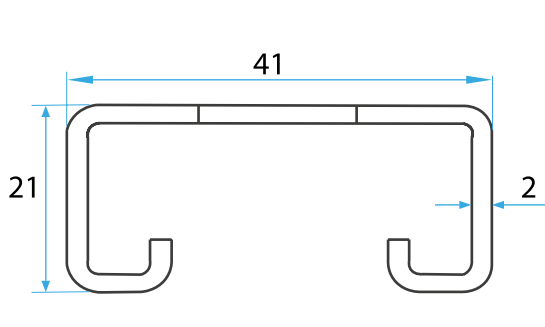


41/21 G Profile

Product	Weight (kg/m)	Areas Of Section (mm ²)	(mm)	Z-Z AXIS		Y-Y AXIS	
				Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)	Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)
41x21 G Profile	1,44	169,7	10,1	0,99	0,98	4,6	2,24



Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	396	4,17
1000	1338	1,76
1500	176	6,25
2000	100	8,33

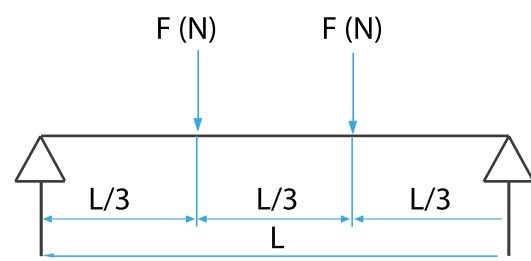
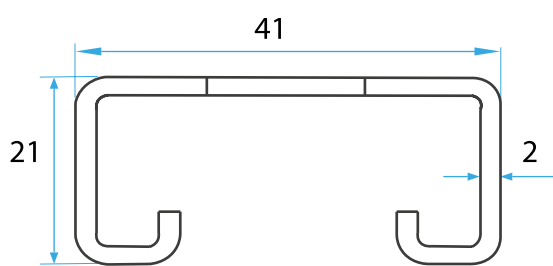


Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	4,83	1,98
1000	0,63	4,17
1500	0,19	6,24
2000	0,1	8,3
3000	0,02	12,43

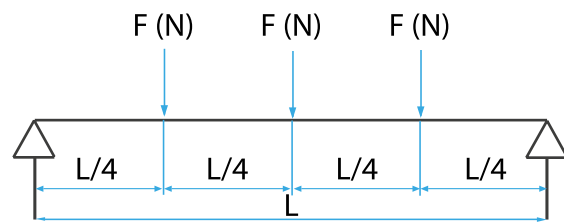
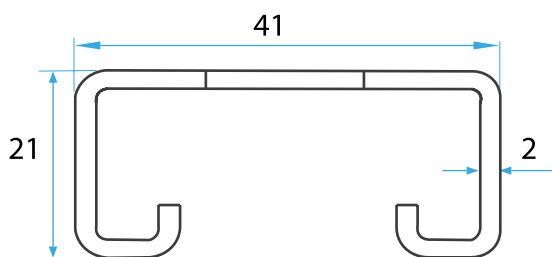
Yield strength safety coefficient is taken as 1.67. Permissible strength in the specified L (mm) length is 172 MPa.
The maximum deflection $L / 240$ in L (mm) length is not exceeded. Elasticity Module: 200 GPa.

41/21 G Profile

Product	Weight (kg/m)	Areas Of Section (mm ²)	(mm)	Z-Z AXIS		Y-Y AXIS	
				Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)	Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)
41x21 G Profile	1,44	169,7	10,1	0,99	0,98	4,6	2,24



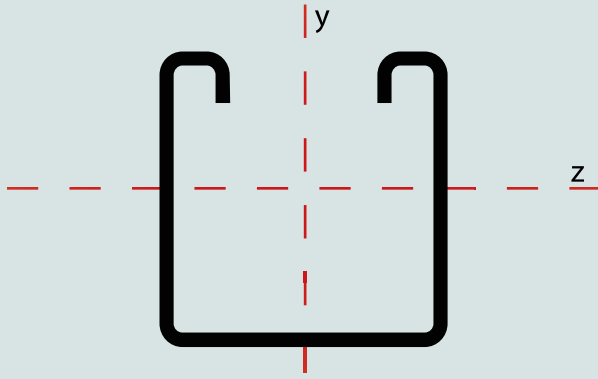
Profile Length	Max. Design Load (N/mm)	Areas Of Section (mm)
500	815	1,8
1000	236	4,17
1500	105	6,25
2000	59	8,33



Profile Length	Max. Design Load (N/mm)	Areas Of Section (mm)
500	577	1,76
1000	167	4,17
1500	74	6,25
2000	42	8,33
3000	19	9,33

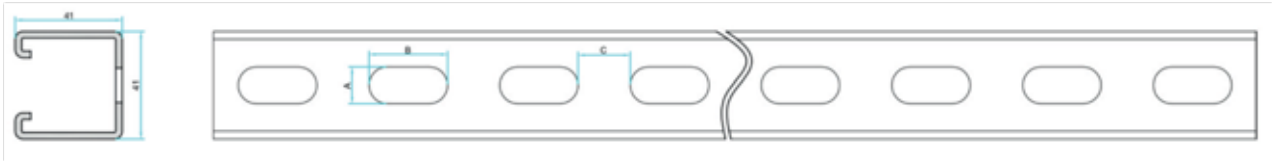
Yield strength safety coefficient is taken as 1.67. Permissible strength in the specified L (mm) length is 172 MPa.
The maximum deflection $L / 240$ in L (mm) length is not exceeded. Elasticity Module: 200 GPa.

41/41 G Profile



"F" forces in the table are calculate for loading direction in "y" axis.

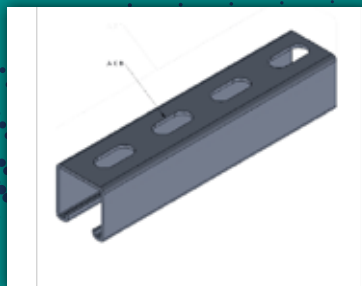
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Features

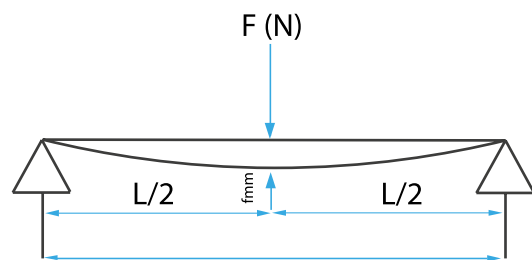
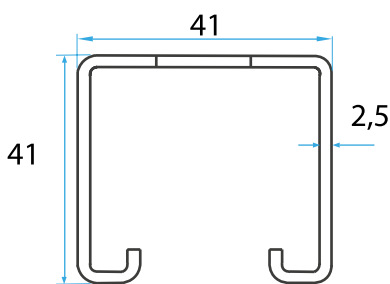
Code No	Aterialt	t (mm)	AxB (mm)	C (mm)	Unit Weight (kg/m)
AIPG4141	Dx51D	2	13x30	50	2,484

41/41 G Profile

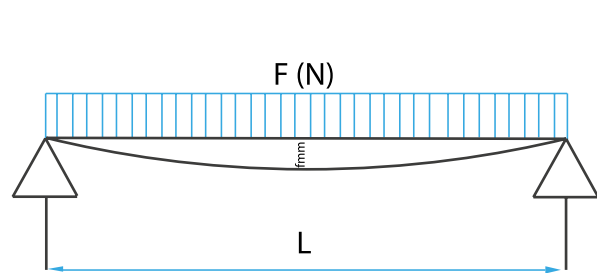
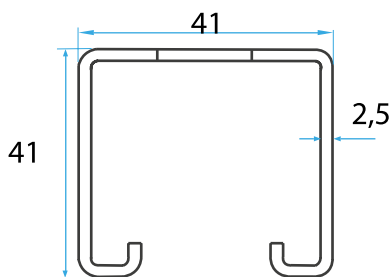


41/41 G Profile

Product	Weight (kg/m)	Areas Of Section (mm ²)	(mm)	Z-Z AXIS		Y-Y AXIS	
				Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)	Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)
41x41 G Profile	2,48	305,51	19,97	7,36	3,69	9,15	4,463



Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	396	4,17
1000	1338	1,76
1500	176	6,25
2000	100	8,33

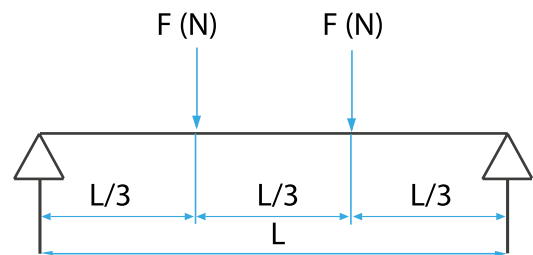
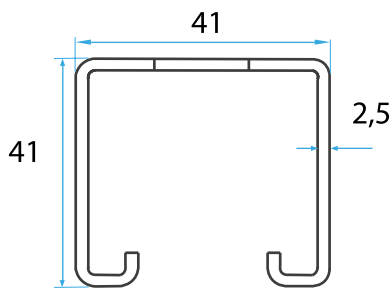


Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	18,12	1
1000	4,13	3,65
1500	1,39	6,23
2000	0,59	8,33
3000	0,17	12,43

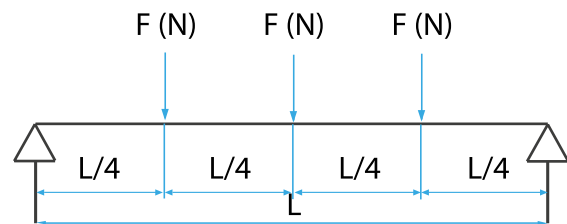
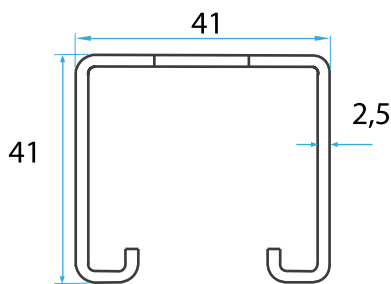
Yield strength safety coefficient is taken as 1.67. Permissible strength in the specified L (mm) length is 172 MPa.
The maximum deflection $L / 240$ in L (mm) length is not exceeded. Elasticity Module: 200 GPa.

41/41 G Profile

Product	Weight (kg/m)	Areas Of Section (mm ²)	(mm)	Z-Z AXIS		Y-Y AXIS	
				Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)	Moment Of Inertia (1 cm ⁴)	Section Modulus (cm ³)
41x41 G Profile	2,48	305,51	19,97	7,36	3,69	9,15	4,463



Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	3095	0,92
1000	1514	3,6
1500	779	6,25
2000	438	8,33



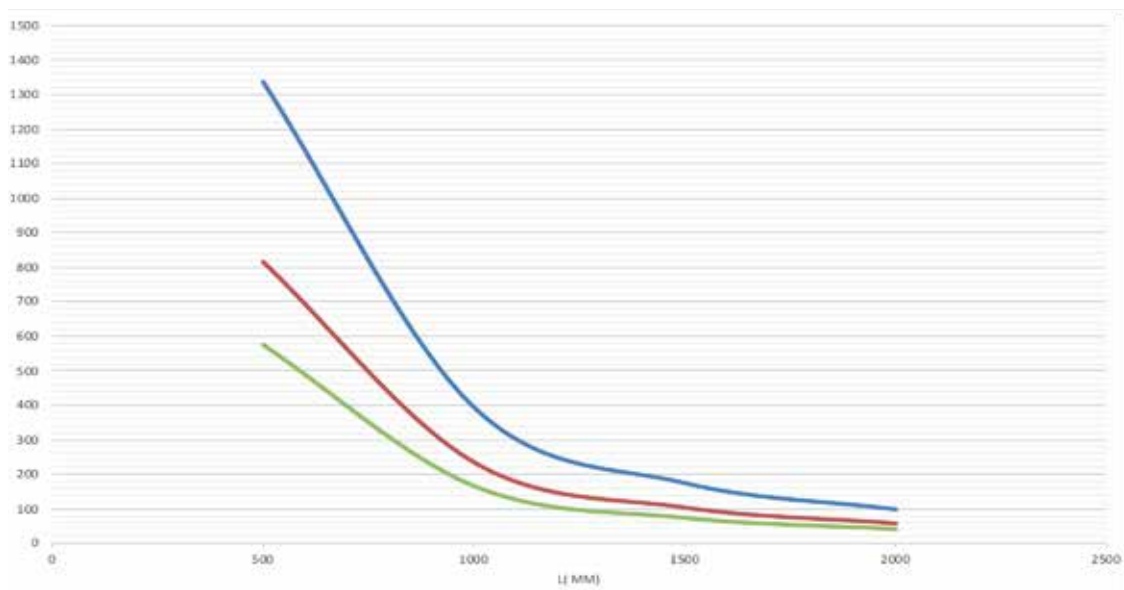
Profile Length	Max. Design Load (N/mm)	Areas Of Section(mm)
500	2024	0,85
1000	1086	3,65
1500	551	6,25
2000	310	8,33
3000	138	12,43

Yield strength safety coefficient is taken as 1.67. Permissible strength in the specified L (mm) length is 172 MPa.
The maximum deflection $L / 240$ in L (mm) length is not exceeded. Elasticity Module: 200 GPa

Loading Capacities

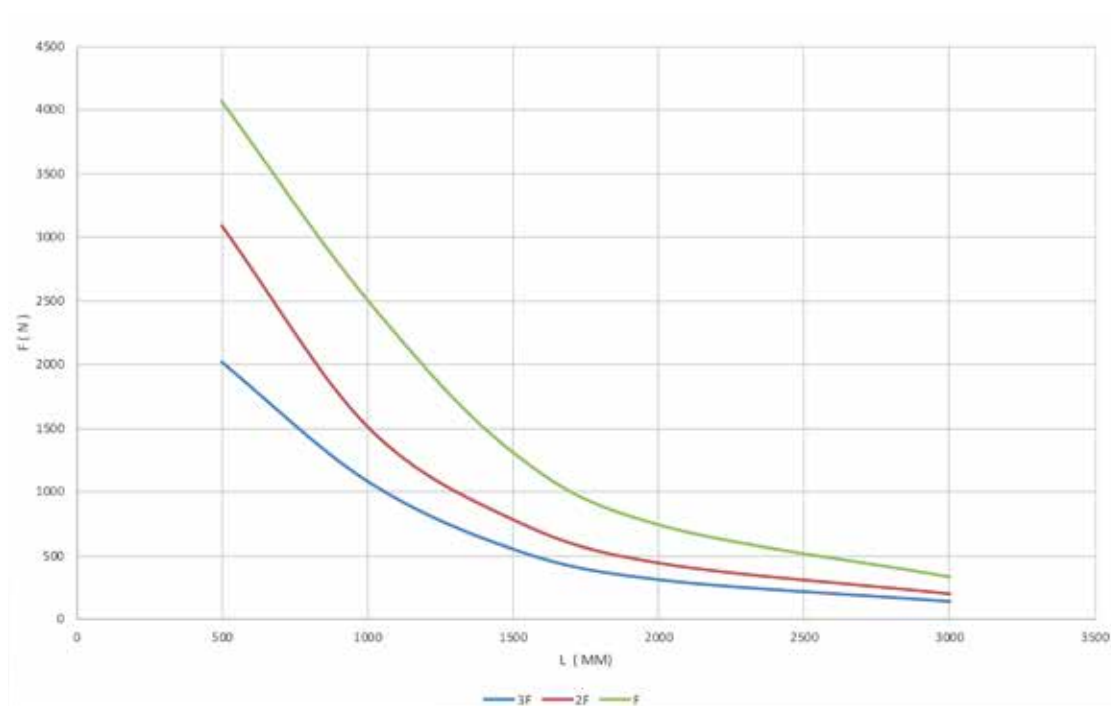
41x21x2 G Profile Loading Capacities

Table 1



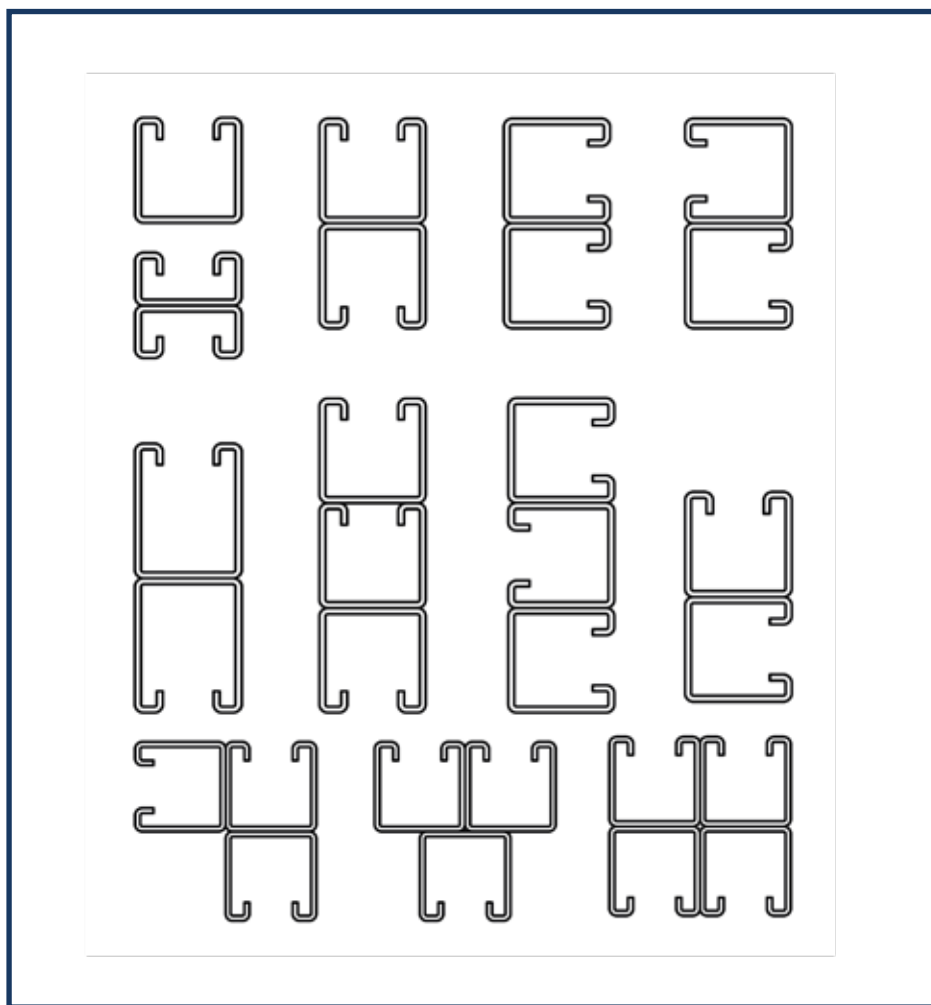
41x21x2,5 G Profile Loading Capacities

Table 2



G Profile Combination Methods

Different Assembly and Application
Modeling of Azur Insulation G Profiles



Profile joining is done with welding.



AZUR INSULATION
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Azur Yalıtım Sanayi ve Ticaret Anonim Şirketi

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