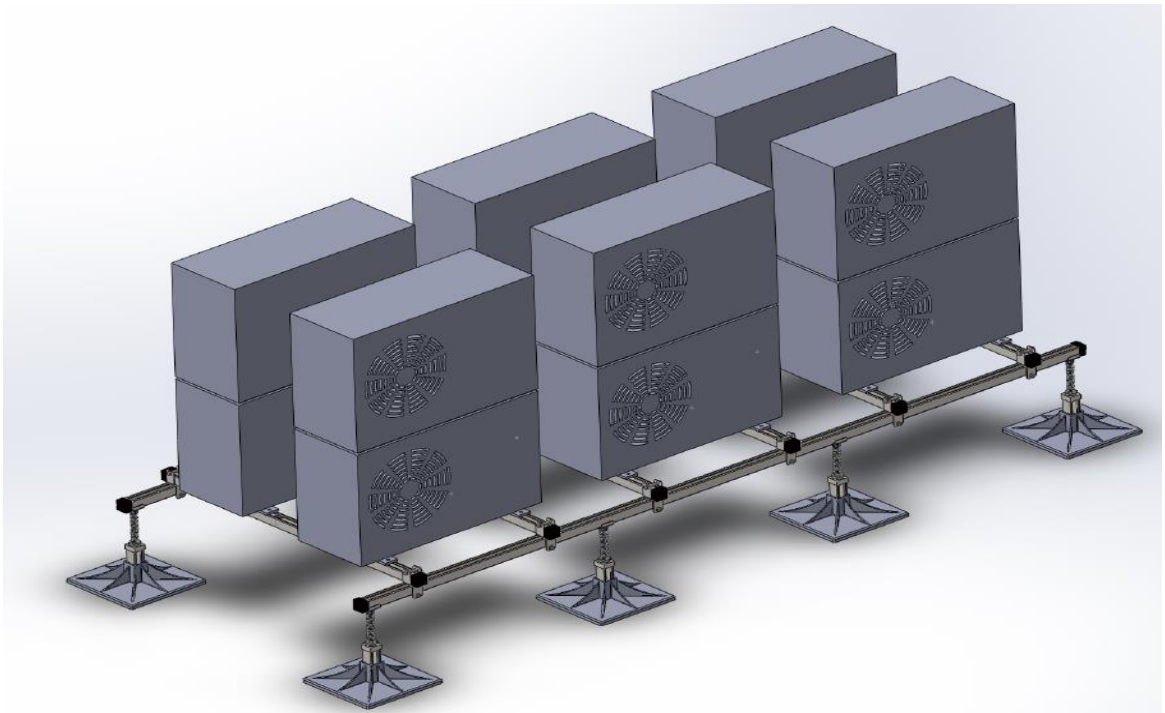


FRAME-Foot System

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Product information :

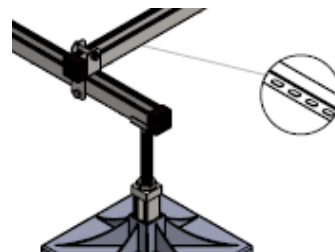
Description: Supporting system for flat roofs
Commercial code: FF2, FF4, FF6, FF8, HF-600.01

Application:
MODULAR SUPPORTING SYSTEM FOR THE UNITS AND INSTALLATION LOCATED ON FLAT ROOFS OR GROUND.

Technical data

Steel frame:

- Manufactured from galvanized strut channels 41x41x2,5 mm according the standard: EN 12236:2003, EN10162:2005, DX51D+Z100 EN10346:2011.
- All steel connections, screws, clamps galvanized.
- Plastic channel's caps included
- Height adjustment from 296 up to 415 mm with M24 screw
- Convenient moveable bracket for mounting channels



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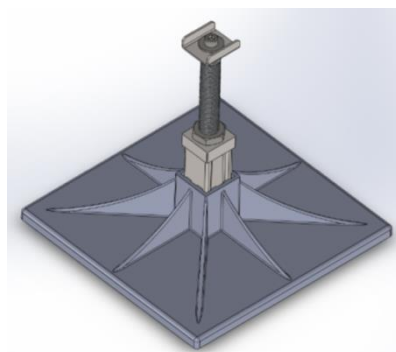
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- Available leg sizes (steel frame included):
h=415 mm –STANDARD,
h= 650 mm – OPTION

Plastic foot:

- High impact material - PA6-GF30 30% Glass Reinforced,
- Foot 310x310 mm, equipped with antivibration rubber mat 300x300 mm
- UV resistant
- Standard colour: black
- Working temperature -40°C up to +80°C
- Max load per feet 240 kg



Material PA6-GF30 30% Glass Reinforced – property data:

Properties	Data	Unit	Test Method
MECHANICAL PROPERTIES			
Tensile modulus	9500/6000	Mpa	ISO 527-1/-2
Stress break	180/110	Mpa	ISO 527-1/-2
Strain at break	3,5/7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	90/110	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	75/75	kJ/m ²	ISO 179/1eU
Flexural modulus	8600/ -	Mpa	ISO 178
Flexural strength	275/ -	Mpa	ISO 178
THERMAL PROPERTIES			
Melting temp. (10°C/min)	220/*	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 Mpa)	210/*	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 Mpa)	220/*	°C	ISO 75-1/-2
Coeff. of linear thermal expansion (parallel)	0,2/*	E-4/°C	ISO 11359-1/-2
Coeff. of linear thermal expansion (normal)	0,7/*	E-4/°C	ISO 11359-1/-2
PHISICAL PROPERTIES			
Water absorption	6,3/*	%	Sim. to ISO 62
Humidity absorption	1,9/*	%	Sim to ISO 62
Density	1350/ -	kg/m ³	ISO 1183

Surface load- Table.2

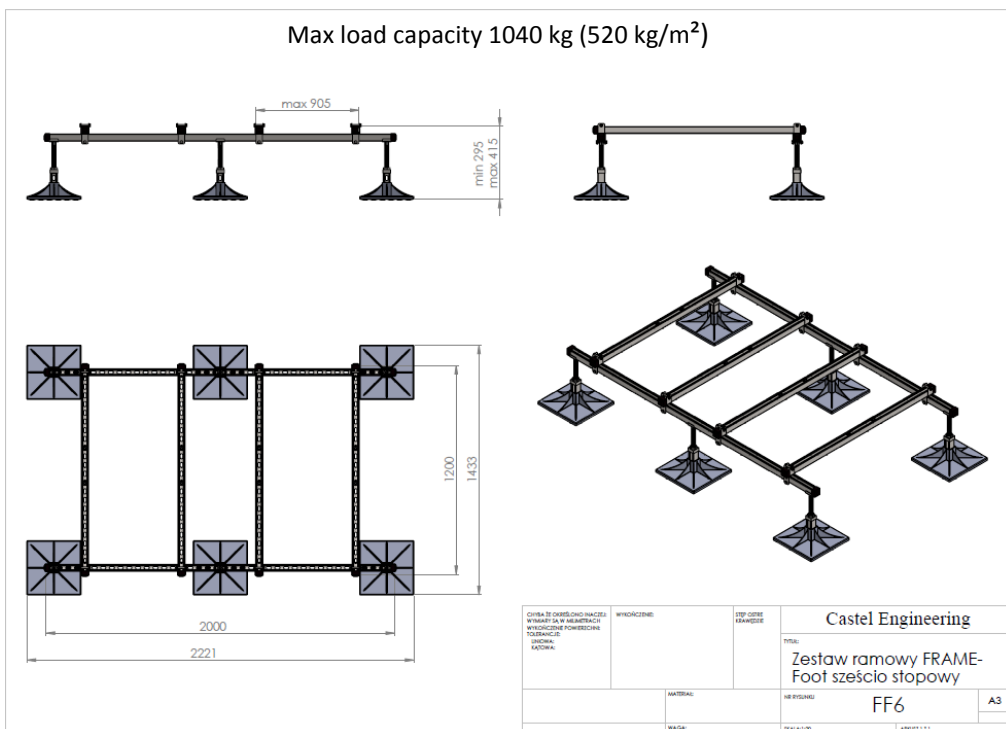
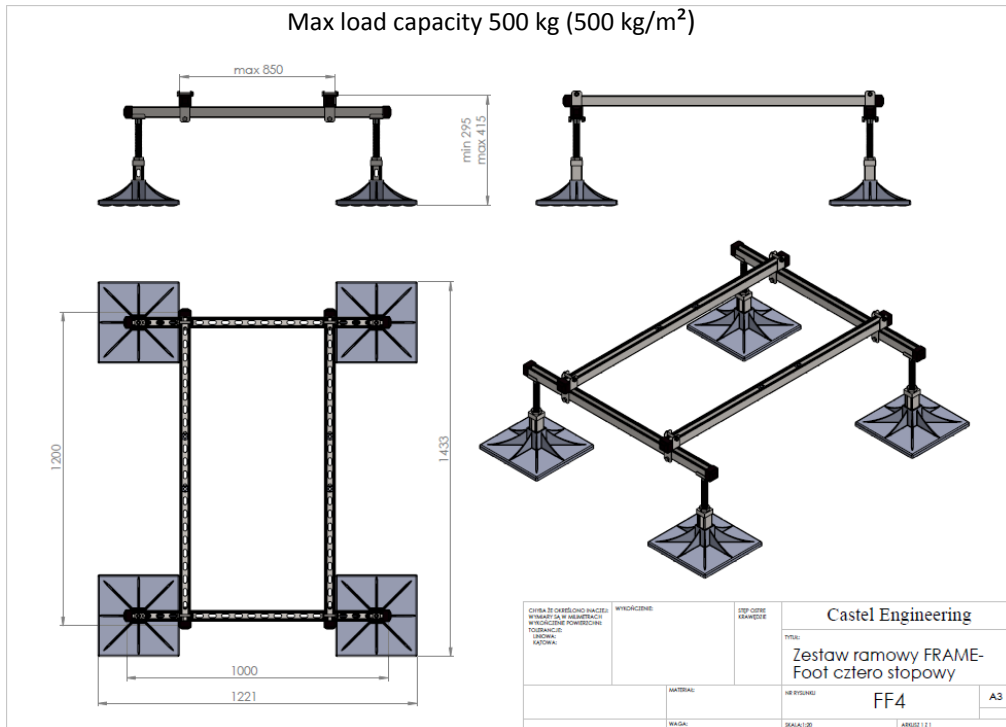
Load (kg)	Load per foot (kN/ m ²)
10	1,09
20	2,18
30	3,27
40	4,36
50	5,45
60	6,54
70	7,63
80	8,72
90	9,81
100	10,9
110	11,99
120	13,08

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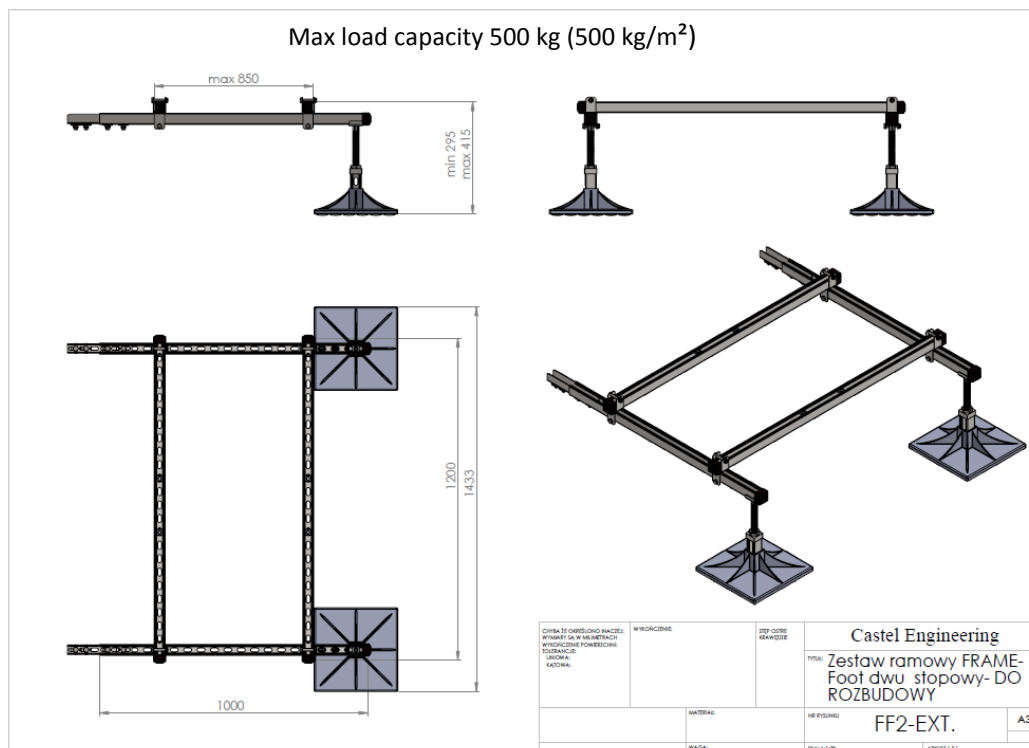
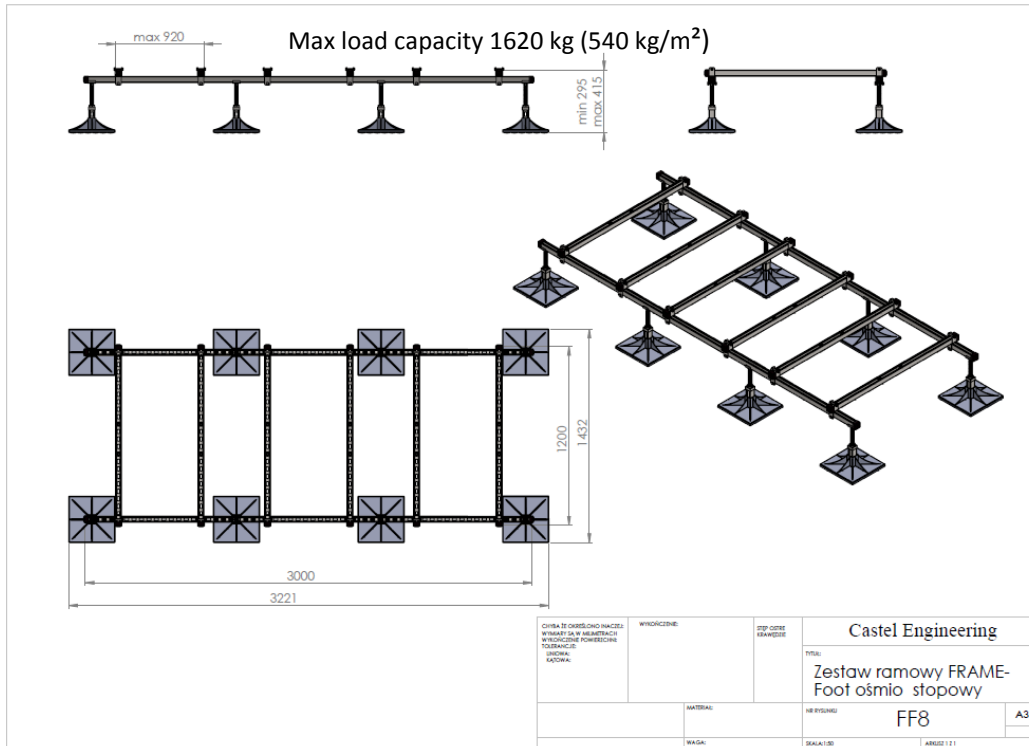
Technical drawings:



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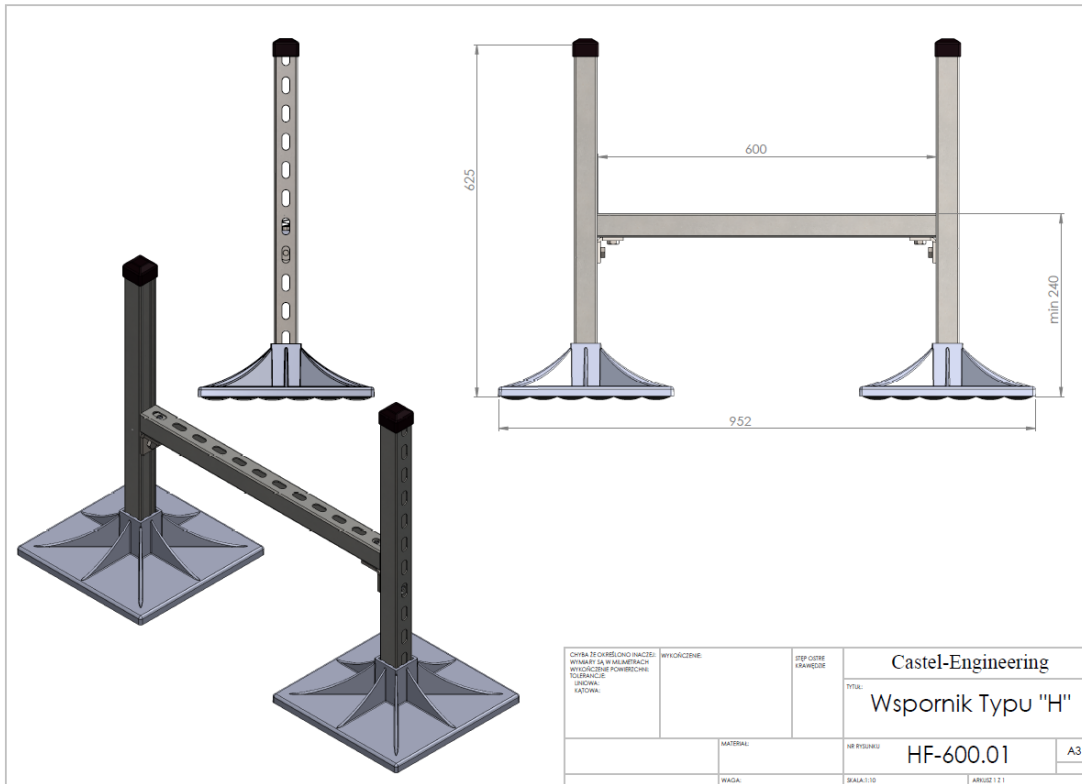
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Manufacturer is not responsible for identifying possibilities and how to put the system on the roof. Admissibility and application guidelines each time should be specified by roof designer and supplier of the roof system, based on data provided by the Castel Engineering Polska.

Please contact your Castel Engineering representative if you have any questions or comments.