

ST-ROF system – roof feet and supports of highest quality



*Illustration no. 1
ST-ROF system*

Comprehensive solutions, unified product selection and full supplies are highly desired properties for both the contractors and trading companies. Choosing such solutions serve to cut down on costs, improve flexibility and often cause a decrease of the final purchasing costs.

For this reason, we would like to present the ST-ROF system - it includes top quality feet and supports for ventilation, air conditioning and cooling system components.

On-roof supports and feet have the following features:

1. they ensure better weight distribution of roof mounted components;
2. it is possible to make any kind of framework, of any height and width, when coupled with accessories by Strut as well as the LDB STRUT support profiles;
3. roof structure remains intact after installation;
4. easy access to roof surface without having to remove the installed items
5. highly aesthetic and durable workmanship for each installation.

They allow for easy installation of various types of components:

1. ventilating units,
2. chillers,
3. heat pumps and solar panels,
4. platforms and bridges
5. air-conditioners and refrigerating units,
6. ventilation and AC ducts or piping,
7. solar panels

ST-ROF roof supports are available in several types and sizes:

» **ST-ROF-330 and ST-ROF-AW-330**

These feet are made of polypropylene reinforced with fiberglass (30%) with 30 x 30 cm base with a central fixture for the LDBST-41-41 profile. The construction of the sleeve joint allows for secure fastening of the vertical structure to support the assembly frame - which can be horizontal or vertical.



*Illustration no. 2
Roof foot
ST-ROF-330*



Illustration no. 3
 Roof foot
 ST-ROF-AW-330

For flat 0° roofs, the entire foot rests on the roof's surface, thus ensuring a very stable support. For sloped roofs, up to 10°, it is possible to screw in stems to adjust the slope of the foot.

The foot can be angled in any direction thanks to two provided levels. Maximum load for each foot is 2 200 N

The adjusting stems for each ST-ROF-AW-330 foot are made of high quality rubber which acts as a vibration damper.

» ST-ROF-AWL

Vibration dampening on-roof feet ST-ROF-AWL are available in 250, 450, 600 and 1000 mm. They are made of processed rubber, highly resistant to UV radiation with height 90 mm and base width 160 mm. Each foot is fitted with 1 to 4 vertical holes with a sleeve joint to support the installation frame.

» ST-ROF-AWL-STR

Vibration dampening on-roof feet ST-ROF-AWL are available in 250, 450, 600 and 1000 mm. They are made of processed rubber. They are made of processed rubber, highly resistant to UV radiation with height 90 mm and base width 160 mm. Each element has a 41 mm aluminum profile core to accept the slide nut. The slide nuts in connection with regular nuts and washers, fasten the foot directly to the device.

ST-ROF-AWL and ST-ROF-AWL-STR are recommended for loads of up to 130 kg per one foot. At such loads, vibration dampening is at up to 92,2%.



Illustration no. 4
 Roof foot
 ST-ROF-AWL-STR

» ST-ROF-MAT-2

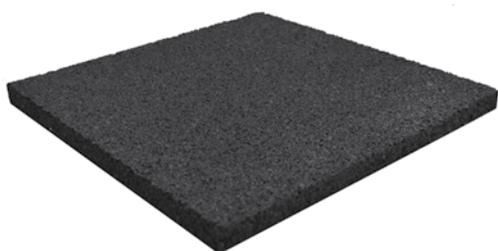


Illustration no. 5
 Vibration dampening mat
 ST-ROF-MAT-2

The rubber mat complements the vibration dampening support system. It is available as 2 centimeter thick tiles size 50 x 50 cm or 100 x 100 cm. It is possible to cut out any shape to match the actual roof slope or the installation.

Full system utilization calls for various assembly accessories and profiles, such as: LDB-ST assembly system.

The LDBST assembly rail is available in 21x41 – and 41x41 – the other size fits ST-ROF feet perfectly. The product is available in 2, 4 and 6 meter sections as well as in thicknesses: 1,5; 1,6; 1,9; 2,0; 2,5 mm. When building the support frame for venti-

lation ducts or other components, we are able to cut the profiles down to any size.

The lateral rail can be connected to the horizontal one by means of the LDB-BE-41 coupling, which ensures good aesthetics and a sturdy coupling. In order to fasten the LDB-BE-41 to the rail, SRS steel screws are required along with PDS washers and NKS nuts. It is possible to use the SNP or SNL sliding bolts - instead of the standard nut and washer.

LDB-U coupling is used when building flat frames to support bigger items above the roof surface. They may also be used to build bridges and platforms to move above the roof surface.

Depending on the actual requirement, support structure and design, it is possible to utilize other available components of the LDB STRUT assembly system.

All technical data are available on the website www.alnor.com.pl



*Illustration no. 6
LDB – auxiliary items for building
on-roof supports*