YSF

The YSF Footing Group is a header group specifically designed for raised floor systems requiring seismic load resistance, meeting high engineering requirements. The system adapts to different profile combinations with YSF type header options.

The YSF header group comes in 2 different types:
40x20 Profile
40x40 Profile
40x60 Profile
60x60 Profile
40x80 Profile
80x80 Profile

Rod options: M14, M16, M18, M20, M24
Body options: 21x1.5 pipe, 25x2 pipe, 40X40 profile, 40x80 profile, 60x60 profile

Optimized in terms of load distribution, seismic impact resistance, and rigidity, the YSF footing system is preferred in data centers, technical rooms, military projects, industrial areas, and all structures requiring vibration resistance.



YSF - S

YSF-S Footing is a reliable and economical solution designed to meet standard usage needs.

To adapt to the technical requirements of different projects, YSF-S Footing is available with:

19 mm diameter pipe,
21x1.5 mm diameter pipe,

Also, with M14, M16 and M18 options, the load-bearing capacity can be optimized according to project needs. This allows YSF-S Footing to offer a wide range of applications, from small-scale projects to high-load office floors.

With a distributed load-bearing capacity ranging from 800 to 1500 kg, the system is an ideal solution, especially for office environments and living spaces with standard load densities.

The system is rigid and stable thanks to the use of box profile bracing.



YSF - S TECHNICAL

Technical Data:
Component class according to DIN EN 12825: 6
Single Leg Point Load Carrying Capacity: ≥ 4 kN
System Distributed Load Performance (Standard Test): ≥ 8 kN
Breaking Load: ≥ 9 kN

Head (Landmark):
Head plate dimensions: 100 × 100 × 2 mm
The head is cold-riveted to Ø21 × 1.5 mm steel pipe using the stamping method.
The YSF-S head is designed for 40x20 and 40×40 mm profiles.
It is mounted to the profile in the channel through Ø5 mm holes on the head using 4.8 × 16 mm trapezoidal screws.

Fixing to the Ground:
The base plate is fixed to the ground by gluing with polyurethane marine adhesive.

Base and Rod:
Base plate dimensions: 75 × 75 × 1.5 mm
Steel Adjustment Rod: M14 × 1.25 thread, 117 mm rod length (M14, M16, M18)
Counternut: M14x1.25 - 8 mm (M16, M18) galvanized steel
The rod is mounted to the base plate by rolling (tight fit).
Precise height adjustment can be made thanks to the M14 nut.
Adjustment and Fixing:
After adjustment, the adjustment nut at the connection point between the head and the foot is fixed with Loctite 243 or equivalent adhesive.

Load Capacity (System):
Recommended safe working load per single leg: ~ 400–500 kg / leg
With an average use of 3.5 legs in a 1 m^2 area: ~ 1400–1500 kg/m^2 distributed load capacity.

YSF - M

YSF-M Footing is a reliable and economical solution designed to meet standard usage needs.

To adapt to the technical requirements of different projects, YSF-M Footing is:

Produced with a Ø25x2 pipe option.

Furthermore, with M18 and M20 rod options, the load-bearing capacity can be optimized according to project needs. This allows YSF-M Footing to offer a wide range of applications, from small-scale projects to high-load office floors.

With a distributed load-bearing capacity ranging from 1500 to 2800 kg, the system is an ideal solution for environments such as server areas, call centers, electrical rooms, and living spaces with high load density.



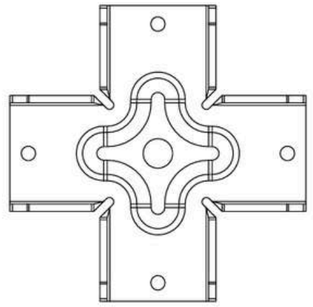
YSF - M TECHNICAL

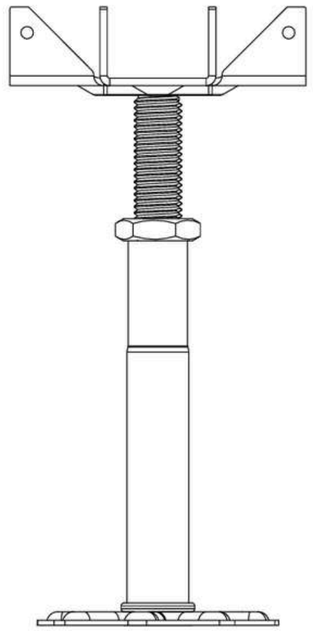
Technical Data:
Element class according to DIN EN 12825: 6
Single Load: ≥ 6 kN
Distributed Load: ≥ 16 kN
Breaking Load: ≥ 18 kN

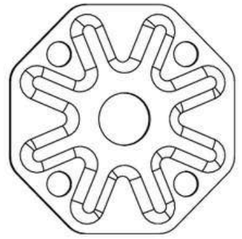
Head (Head):
Head plate dimensions: 120 × 120 × 3 mm
The star head is mounted by rolling with an M20 × 130 mm rod and the height can be adjusted with an M20 nut.
The star head is designed for 40×40, 40×60, 40×80 mm profiles.
It is mounted to the profile in the channel with 4.8 × 16 mm trapezoidal screws through the Ø5 mm holes on the head.

Base and Rod:
Foot tube: Ø25 × 2 mm
Base plate dimensions: Ø100 × 2 mm
It is fixed to the ground with M8 clip steel anchors through the Ø10 mm holes on the base plate.

Adjustment and Fixing:
After making the appropriate height adjustment, the adjustment nut at the connection point between the head and the foot is fixed with Loctite 243 or equivalent adhesive.







YSF - L

The YSF-L Leg is a reliable raised floor leg with a reinforced structure, designed for applications requiring high load-bearing capacity and maximum stability. It offers a long-lasting and rigid solution for heavy-duty projects.

To adapt to the technical requirements of different projects, the YSF-L Leg is manufactured with:

40x80x2 mm galvanized box profile,
3 mm thick, 120x120 mm top cap,
25x49x185 mm U-shaped base plate.

The system uses M18 or M20 rods, and height adjustment is done with metric M18 or M20 lock nuts. The lock nut thickness is 9 mm. Load distribution and stability are increased by supporting it with a 3 mm thick U-shaped profile cap.

The lower and upper U-shaped parts are fixed to the box profile with 8 trapezoidal screws (4.8x20 mm). This connection structure increases system rigidity and minimizes vibration and deflection.

The tie rod is cold-riveted to the top head using the roll riveting method. This method increases the strength of the connection, resulting in a more controlled and durable joint compared to welded systems. Thanks to its high load-bearing capacity, the YSF-L Leg is an ideal solution for office floors, server areas, call centers, technical rooms, archive areas, and commercial spaces under heavy loads.



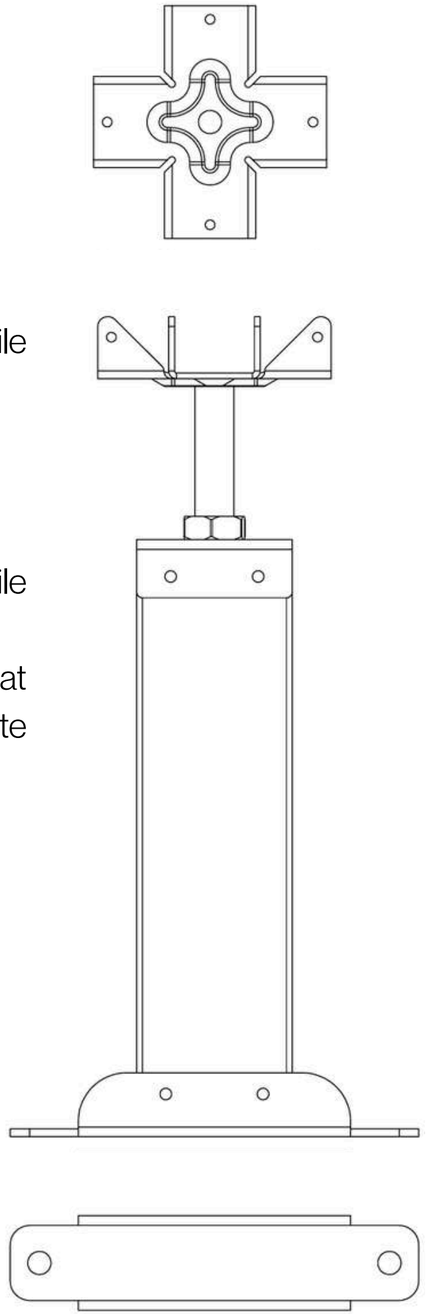
YSF - L TECHNICAL

Technical Data:
Element class according to DIN EN 12825: 6
Single Load: ≥ 12 kN
Distributed Load: ≥ 45 kN
Breaking Load: ≥ 49 kN
Head:
Head plate dimensions: 120 × 120 × 3 mm
Star head is mounted by rolling with M20 rod
Height adjustment can be made with M20 lock nut
Lockle nut thickness is 9 mm
Star head is designed for 40×40 – 40×60 – 40×80 mm profiles
Mounting is done to the profile in the channel with 4.8 × 20 mm trapezoidal screws through the holes on the head.

Base and Rod:
Foot tube: 40 × 80 × 2 mm galvanized box profile
Rod head: 20 × 48 × 80 mm, U-shaped, 3 mm thick profile cover
Foot base plate: 25 × 49 × 160 mm U-shaped sheet metal

Adjustment and Fixing:
The lower and upper U-shaped parts are fixed to the box profile with 8 trapezoidal screws of 4.8 × 20 mm.
After the appropriate height adjustment, the adjustment nut at the connection point of the head and foot is fixed with Loctite 243 or equivalent adhesive.
Load Capacity (System):
According to DIN EN 12825 standard:
Single load capacity: ≥ 12 kN (~ 1200 kg)
Distributed load capacity: ≥ 45 kN (~ 4500 kg)

- Breaking load: ≥ 49 kN (~ 4900 kg)



YSF - XL

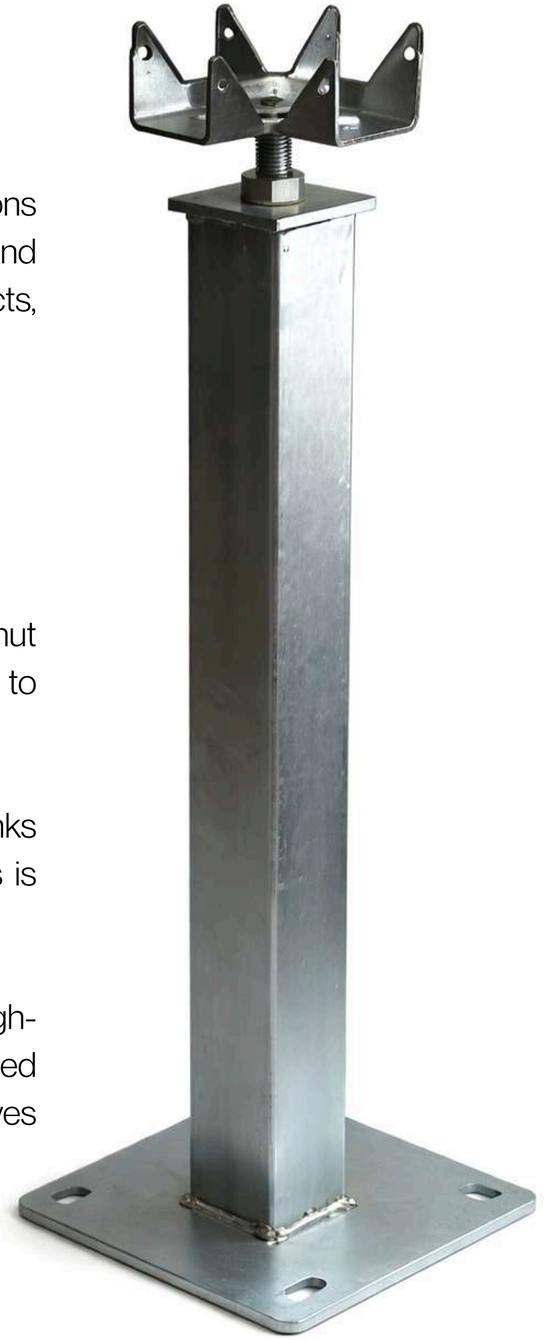
The YSF – XL Leg is the strongest raised floor leg in the series, developed for heavy-duty applications requiring very high load-bearing capacity and maximum rigidity. It provides long-lasting performance and superior stability in floors under heavy loads. To adapt to the technical requirements of different projects, the YSF – XL Leg is manufactured with:

60x60x2 mm galvanized box profile,
4 mm thick, 120x120 mm top cap,
200x200x8 mm flat plate base.

The system uses M24 rods, and height adjustment is done with metric 24 nuts. The thickness of the nut used is 17 mm. The surface where the rod presses is reinforced with an 80x80x6 mm steel plate to distribute the load over a wider area and reduce local stresses.

The bottom and top plates are joined to the box profile ends by welding around the circumference. Thanks to this welded structure, system integrity is maximized, and the risk of deformation under heavy loads is minimized.

The tie rod is cold-riveted to the top head using the roll riveting method. This method provides a high-strength, reliable, and long-lasting connection. Thanks to its superior load-bearing capacity and reinforced structure, the YSF-XL Foot is an ideal solution for industrial areas, data centers, technical rooms, archives and storage areas, and special projects with high load density.



YSF - XL TECHNICAL

Technical Data:
According to DIN EN 12825 standard:
Single load capacity: ≥ 18 kN

Distributed load capacity: ≥ 60 kN

Breaking load: ≥ 65 kN

Head:
Top head plate: 120 × 120 × 4 mm
Rod: M24
Height adjustment: Made with M24 nut
Nut thickness: 17 mm
Rod bearing surface: 80 × 80 × 6 mm steel plate
Rod – head connection: Cold riveted by rolling riveting method
Suitable for 40×40 – 40×60 – 40×80 – 60×60 mm profiles

Base and Rod:
Foot profile: 60 × 60 × 2 mm box profile
Foot base plate: 200 × 200 × 8 mm flat plate

Adjustment and Fixing:
The bottom and top plates are joined to the ends of the box profile by circumferential welding.

Load Capacity (System):
According to DIN EN 12825 standard:
Single load capacity: ≥ 18 kN (~ 1800 kg)
Distributed load capacity: ≥ 60 kN (~ 6000 kg)

- Breaking load: ≥ 65 kN (~ 6500 kg)

