EF BRANCH SADDLE TOPLOAD

Flexible connection solutions in large dimensions up to d 2500 mm



FLEXIBLE OUTLETS

For modern piping systems

The STAR EF Branch Saddle Topload enables the cost-effective installation of branches in PE pressure pipelines. Due to its flexible positioning on the main line, the compact design, and integrated heating coils, branches can be installed flexibly and safely.

The EF Branch Saddle is suitable for new installations as well as for pipeline extensions and retrofit connections to existing piping systems.





BENEFITS AT A GLANCE

Economically. Flexible. Easy to install.

As part of our product portfolio, the EF Branch Saddle complements classic fittings and offers planning offices, utility operators, and companies in the pipeline construction industry additional flexibility in selecting the optimal connecting solution.



FREE POSITIONING
Flexible positioning of branches along the main pipe.



QUICK INSTALLATION
Reduced installation effort on the construction site.



COMPACT DESIGN
Ideal for limited spaces.



LIGHTWEIGHT
Easy to handle and simplified logistics.



REDUCED MATERIAL USAGE
An efficient solution, especially for large main pipe diameters.



RELIABLE WELDING CONNECTION
Integrated heating coils for reliable welding processes.



FOR NEW AND EXISTING PIPELINES
Suitable for new installations as well as for retrofit connections.



LARGE DIMENSIONS
Available for demanding infrastructure and special projects.

OVERVIEW OF DIMENSIONS

Product Portfolio

ø Outlet	250 mm		280 mm		315 mm		355 mm		400 mm		450 mm		500 mm		560 mm		630 mm	
ø Main pipe	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17	SDR 11	SDR 17
710 mm	✓	✓	✓	✓	✓	✓	✓	✓										
800 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
900 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
1000 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
1200 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1400 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1600 mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1800 mm		✓		✓		✓		✓		✓		✓		✓		✓		✓
2000 mm		✓		✓		✓		✓		✓		✓		✓		✓		✓
2250 mm*		✓		✓		✓		✓		✓		✓		✓		✓		✓
2500 mm*		✓		✓		✓		✓		✓		✓		✓		✓		✓

◯ Pressure class conform ◯ Pressure reducing factor fB=0,5 * DVGW certified up to d2000 mm

Product Overview
www.star.de.com

Other main pipe and branch dimensions available on request.

Simplified Pressure Testing

For models with a flanged outlet, the outlet can be pressure-tested using a blind flange even before the main line is tapped.

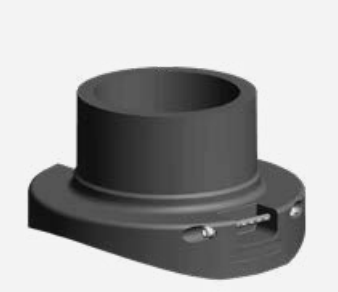
This allows the welded joint to be inspected after the cooling phase and reduces the risk of time-consuming rework. In many cases, this does not require either filling or commissioning of the main pipe.

DIFFERENT VERSIONS

Customized for your application

The EF Branch Saddle Topload offers maximum flexibility for connecting piping systems. In addition to the standard version of the EF Saddle with a spigot, various connection options are available for directly connecting pipes, fittings, pumps, and existing flange systems. This allows you to implement the right solution for your application.

Saddle with spigot

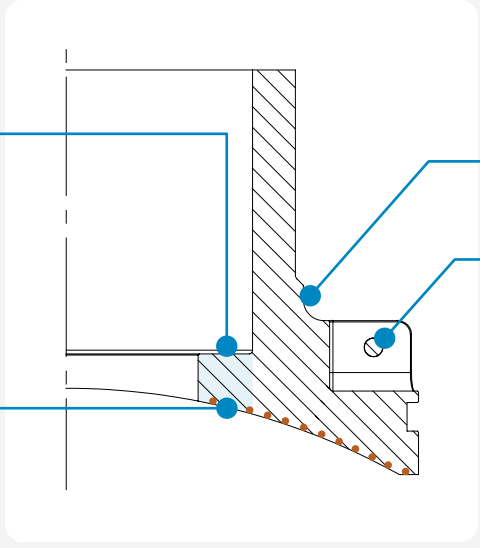


Saddle with stub end and loose flange



Saddle with full face flange or valve flange





* The oversized welding zone ensures optimal welding all the way to the inner diameter of the outlet. The additional weld area remains intact until drilling begins, contributing to a particularly secure, high-quality, and durable welded joint.

FAST TO INSTALL

Securely connected

The EF Branch Saddle Toploaд was developed for safe and efficient installation on PE pipelines. When used in combination with our compatible tensioning systems and installation tools, installation can be carried out quickly, reliably, and with ease.

The tension system's built-in force indicator supports controlled fixation during the welding process. For more information on assembling and installing the system, please refer to the installation instructions.

Installation Instructions
www.star.de.com







EQUIPMENT

Everything you need for a professional installation



Pipe test gauge

Main Pipe
d 315–2000 mm

Rental



Flex Mounting Frame set with saddle scraping tool

d 250–630 mm

Sale
Rental



EF-Saddle drilling unit set

d 250–630 mm

Centering drill bit
Extension
Support rods

Rental



EF Saddle drilling unit

d 250–630 mm

Sale



Extension

L = 200 & 300 mm
1 1/4“ UNC

Sale



Centering drilling bit

Sale



Hole saw for outlet

d 250–630 mm
SDR17 & SDR 11
1 1/4“ UNC

Sale



Support rod set

Sale

SOLUTIONS YOU TRUST

Our values for you

- **From sketch to delivery**
  One experienced partner.
  One responsibility.
- **XXL & Customized Solutions**
  Up to d 2500 mm.
  Engineered to your application.
- **Manufacturing Precision**
  Compact design. Exact fit.
  Long service life.
- **Plug-and-Play-Prefabrikation**
  Faster installation.
  On-site cost savings.
- **Quality Assurance**
  Throughout the entire
  supply chain.
- **Safety & Reliability by Design**
  Pressure-class-conform,
  tested and certified.
- **High Vertical Integration**
  From raw material to installation-ready solution. Engineering, manufacturing and testing under one roof.

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