



## Product Technical Data Sheet

### ABOUT

- The Tavor saddles series is a revolutionary patent pending product line of saddles.
- The saddles are used for splits, junctions and for adding lines to a main line. The saddles are design for use with all kinds of PE, PVC and PP pipes for irrigation and high-pressure conveyance of water or chemicals.
- The Tavor saddles saves up to 70% of installation time in comparison to the traditional saddles in the market.
- The saddles arrive in a "Ready-to-Install" condition in which the bolt, nut and seal are already assembled on the saddle and all is left to do is tils the bolt and tighten it.
- The high grade polypropylene material used ensures long lasting operation under demanding applications.
- Excellent resistance to most commonly used chemicals for such kind of applications.
- Suitable for use in potable water supply systems.
- Suitable for exposure to sunlight (UV).
- Nitrile seal for excellent sealing performance and chemical resistance.



### FEATURES

The Tavor saddle comes fully assembled in a "ready-to-Install" condition:

- Innovative one bolt and one nut grip that makes installation easy and fast, both pre-installed.
- O-ring Seal – pre-installed.
- A Stainless-Steel Hinge – pre-installed.
- No plastic bag (environment friendly)
- The saddle can be ordered with Stainless-steel Reinforcement and stainless Steel Bolt and Nut.



## TECHNICAL SPECIFICATIONS

### Dimensions and characteristics

Tavor Saddles comply with the dimensional requirements and characteristics of the relevant standard EN ISO 13460. Threads (BSP) are manufactured according to EN 10226, ISO 7 and DIN 2999.

### Operating pressure

10 Bar

### Resistance to impact

The thermoplastic materials used for manufacturing the fittings have excellent impact properties.

### Weathering

Saddle fittings offer excellent weathering properties which protects against degradation due to ultraviolet radiation.

## AVAILABLE PRODUCTS

size	Cat No	Description
32 X 3/4"	34032R0202	Tavor saddle 1 Galvanized BOLT 32-3/4
40 X 3/4"	34040R0202	Tavor saddle 1 Galvanized BOLT 40-3/4
50 X 3/4"	34050R0202	Tavor saddle 1 Galvanized BOLT 50-3/4
63 X 3/4"	34063R0202	Tavor saddle 1 Galvanized BOLT 63-3/4

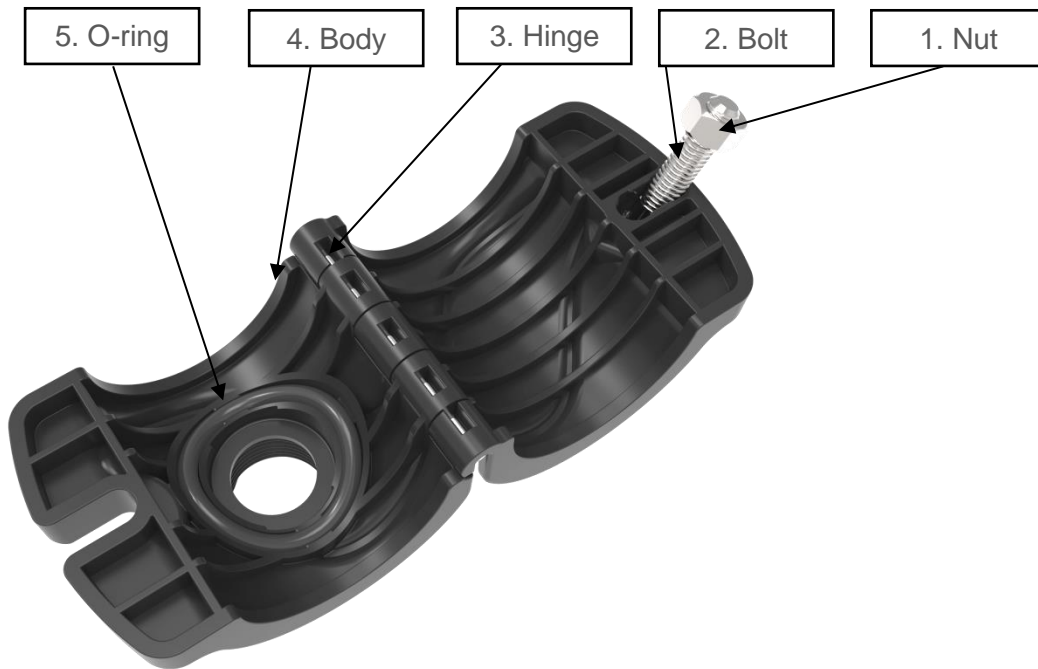
size	Cat No	Description
32 X 3/4"	34032R1202	Tavor saddle 1 stainless-steel BOLT 32-3/4
40 X 3/4"	34040R1202	Tavor saddle 1stainless-steel BOLT 40-3/4
50 X 3/4"	34050R1202	Tavor saddle 1stainless-steel BOLT 50-3/4
63 X 3/4"	34053R1202	Tavor saddle 1stainless-steel BOLT 63-3/4

size	Cat No	Description
32 X 3/4"	34032R0202-N	SADDLE TAVOR 1 BOLT and stainless steel-enforced ring 32-3/4
40 X 3/4"	34040R0202-N	SADDLE TAVOR 1 BOLT and stainless steel-enforced ring 40-3/4
50 X 3/4"	34050R0202-N	SADDLE TAVOR 1 BOLT and stainless steel-enforced ring 50-3/4
63 X 3/4"	34063R0202-N	SADDLE TAVOR 1 BOLT and stainless steel-enforced ring 63-3/4

**MATERIALS**

#	Part	Raw Material
1	Metal nut	Galvanized steel or Stainless steel*
2	Bolt	Galvanized steel or Stainless steel*
3	Hinge	Stainless Steel
4	Body	Polypropylene copolymer PP-B
5	O- Ring	NBR 70
6	Reinforcing ring	Stainless steel (optional)

\* Galvanized Steel is supplied as standard. Stainless-Steel bolt and nut can be supplied as a special order.



## Assembly instructions

1. Un-screw the nut until reaching 5mm from the bolt end.  
Do not release the nut from the bolt.
2. Tilt the bolt with the nut to release it from the top part, and then tilt the top part of the saddle until it is fully open.
3. Verify that the O-ring is positioned well in its place.
4. Wipe any dirt from the relevant location on the pipe
5. Place the saddle over the desired position on the pipe. In case the hole is already drilled – verify that the O-ring is positioned correctly over the hole.
6. Tilt the saddle parts to close over the pipe, and tilt the bolt back to vertical position over the top part.
7. Tighten the nut using until the saddle's 2 parts are 1-2mm apart.
8. Drill a hole in the pipe through the thread opening. Use a drill smaller than 20mm in order to avoid damage to the sealing area.

