

## 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 tilt the bolt and tighten it.
- An advanced formula of Glass-Fiber reinforced Polypropylene material is being used to ensure long lasting operation under demanding applications.
- Excellent resistance to most commonly used chemicals for such kind of applications.
- Suitable for exposure to sunlight (UV).
- Nitrile seal for excellent sealing performance and chemical resistance.
- New: Bulge for Tavor saddle sizes 40-63 mm, used as secondary protection against tilting the saddle on the pipe in extreme Temperature or field terms. For use with 17-18 mm cup drill only

### 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 Ring 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 and extreme temperature variations.

## AVAILABLE PRODUCTS

size	Cat No	Description
25 X 3/4"	34025R0202	Tavor saddle 25x3/4 with 1 Galvanized Bolt
32 X 3/4"	34032R0202	Tavor saddle 32x3/4 with 1 Galvanized Bolt
40 X 3/4"	34040R0202	Tavor saddle 40x3/4 with 1 Galvanized Bolt
50 X 3/4"	34050R0202	Tavor saddle 50x3/4 with 1 Galvanized Bolt
63 X 3/4"	34063R0202	Tavor saddle 63x3/4 with 1 Galvanized Bolt

size	Cat No	Description
25 X 3/4"	34025R1202	Tavor saddle 25x3/4 with 1 <b>Stainless Steel</b> Bolt
32 X 3/4"	34032R1202	Tavor saddle 32x3/4 with 1 <b>Stainless Steel</b> Bolt
40 X 3/4"	34040R1202	Tavor saddle 40x3/4 with 1 <b>Stainless Steel</b> Bolt
50 X 3/4"	34050R1202	Tavor saddle 50x3/4 with 1 <b>Stainless Steel</b> Bolt
63 X 3/4"	34053R1202	Tavor saddle 63x3/4 with 1 <b>Stainless Steel</b> Bolt

size	Cat No	Description
25 X 3/4"	34025R0202-N	Tavor saddle 25x3/4 with 1 Galvanized Bolt and stainless steel-enforced ring
32 X 3/4"	34032R0202-N	Tavor saddle 32x3/4 with 1 Galvanized Bolt and stainless steel-enforced ring
40 X 3/4"	34040R0202-N	Tavor saddle 40x3/4 with 1 Galvanized Bolt and stainless steel-enforced ring
50 X 3/4"	34050R0202-N	Tavor saddle 50x3/4 with 1 Galvanized Bolt and stainless steel-enforced ring
63 X 3/4"	34063R0202-N	Tavor saddle 63x3/4 with 1 Galvanized Bolt and stainless steel-enforced ring

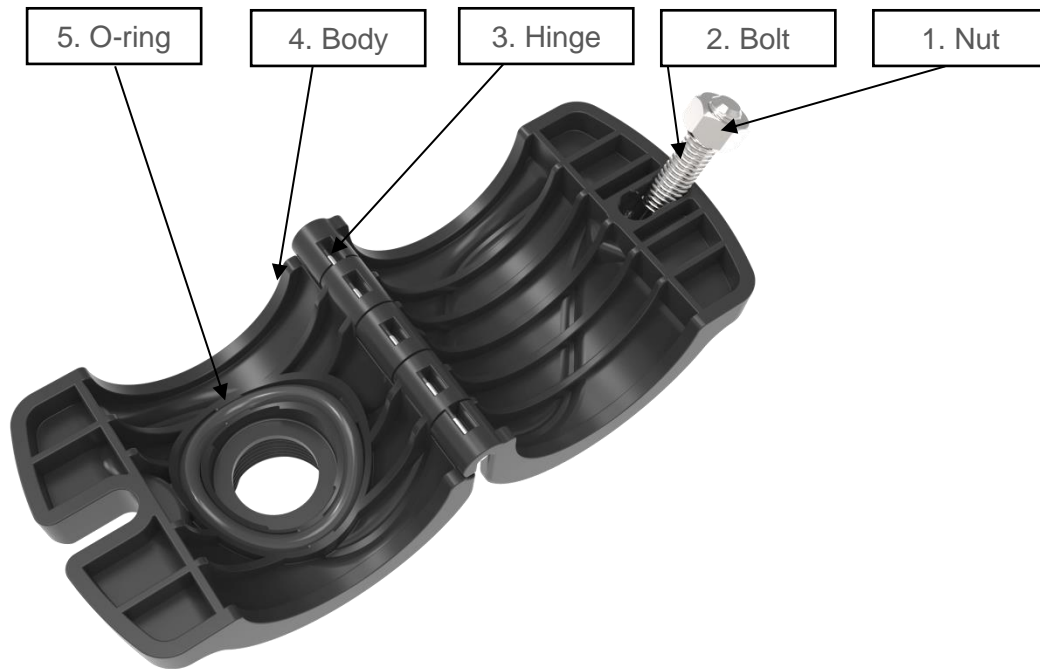
size	Cat No	Description
40-63mm	340 00 BR 40 63-B10	Bulge for Tavor saddle 1 bolt



## MATERIALS

#	Part	Raw Material
1	Nut	Galvanized steel or Stainless steel*
2	Bolt	Galvanized steel or Stainless steel*
3	Hinge	Stainless Steel
4	Body	Glass-Fiber reinforced Polypropylene
5	O- Ring	NBR 70
6	Reinforcing ring (not shown)	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 and until it releases 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.

