

Datasheet Coupling Standard

Release date : 28-01-2014

Revision date : 18-10-2017

General information

The Coupling lines up pipes and protects the bevelled pipe end during the external coating process. It allows you to achieve the optimal end-quality of the coating application and enhances stability and efficiency of the coating process. To cover the complete wall thickness range of the centring side of the coupling, the frame is provided with holes in several positions. When these holes are combined with different diameters of centring disks/rolls, the complete range can be covered.

Application

When pipes run together during the coating process, the upcoming pipe is automatically lined up by the centring rolls of the Coupling. For installation and removal of the Coupling, a torque wrench with socket is required. To switch the rolls and to place the shims an Allen key, a torque wrench with socket and a wrench are required. To apply the Coupling, position it inside the pipe end and tighten the bolt. The clamping feet secure the Coupling into the pipe end.

For diameter range 253,7mm – 355,6mm (10" - 14") 3 centring rolls are mounted on the coupling.

Possible wall thickness range is: 6,35mm – 25,4mm (0.25" - 1")

For diameter range 406,4mm – 1.168,4 (16" - 46") 6 centring rolls are mounted on the coupling.

Possible wall thickness range is: 6,35mm – 38,1mm (0.25" - 1.50")

When couplings are used for 2 or 3 different wall thicknesses, rolls and disks can be placed in a position, so the range of WT can be met by using the correct holes.

Features

- ✓ The Coupling stabilizes the coating process
- ✓ Increase of production capacity, higher line speeds possible
- ✓ Equally spread FBE coating thickness
- ✓ No air seals underneath the PE/PP coating
- ✓ Three point clamping
- ✓ 2 static and 1 dynamic clamping feet
- ✓ Radial centring capacity: max 30mm
- ✓ Transport rolls can be placed further apart, allowing the coating to harden more before hitting the first transport roll



Fig. 1 Coupling Standard

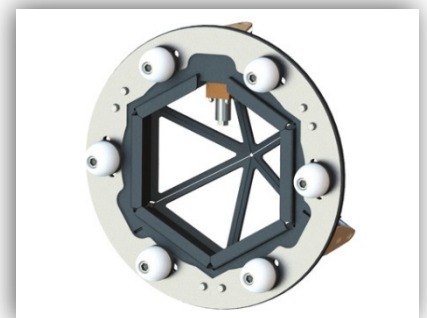


Fig. 2 Coupling Standard

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Material specifications

Centring roll	: Nylon 6.6
	: Aluminum 28st
Centring disk	: S355Jr (Material nr. 1.0045)
Plate padding	: Aluminum
Friction pad	: Steel
	: Friction material
Construction frame	: S235Jr (Material nr. 1.0037)
Spring	: Spring steel / 50 CrV 4 (DIN 17221)
Product range	: 253,7mm – 1.168,6mm (10" - 46")
Wall thickness range	: 6,35mm – 38,1mm (0.25" – 1.50")
Product code	: CST
Commodity / HS code	: 73079980 (steel)
	: 73072980 (stainless steel)

Additional information

- Allowable temperature induction oven: max 240°C (464°F)
- Spare parts available:
 - Centring rolls (incl. fasteners)
 - Centring disks (incl. fasteners)
 - Plate padding (incl. fasteners)
 - Friction pad (incl. fasteners)
 - Threaded parts and adjustable clamping feet (shoulder head bolt, disk spring, threaded end, square nut incl. fasteners)

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