



U11
Coupling
Universal & PE Type

Product Description

DENZ U11 Coupling are an effective way to join pipes in a flexible manner. This type of coupling is ideal for absorbing noises and vibrations in pipelines and overcoming axial offsets in order to guarantee a permanently leak-tight connection. Basically, it's a connector that enables the necessary repair and modifications on pipelines, connecting pipes of different types and diameters. EPDM gasket is included as standard for water applications.

In addition to the follower end rings and middle ring, the rubber gaskets are contained in a compression chamber, which is formed by the pipe surface and the middle ring. As the coupling's bolts are tightened, the follower end rings are drawn together, which reduces the volume of the compression chambers and compresses the gaskets, resulting in a pressure-tight seal. For each gasket, the DENZ U11 Coupling allows for expansion and contraction of 5.5 mm and an angular deflection of 3° (a total of 6.5 mm and 6° for each item).

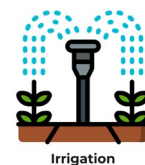
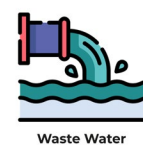
Application Areas

- Water distribution lines
- Water transmission pipelines
- Waste water applications
- Pumping Stations



Production References

Size	DN40 - DN1400
Pressure	PN10 - 16
Temperature	EPDM: 110 °C
Gasket	EPDM or NBR
Connection	Raised Flange & Reduced Bore
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Operation	Automatic
Variation	PE Type Coupling

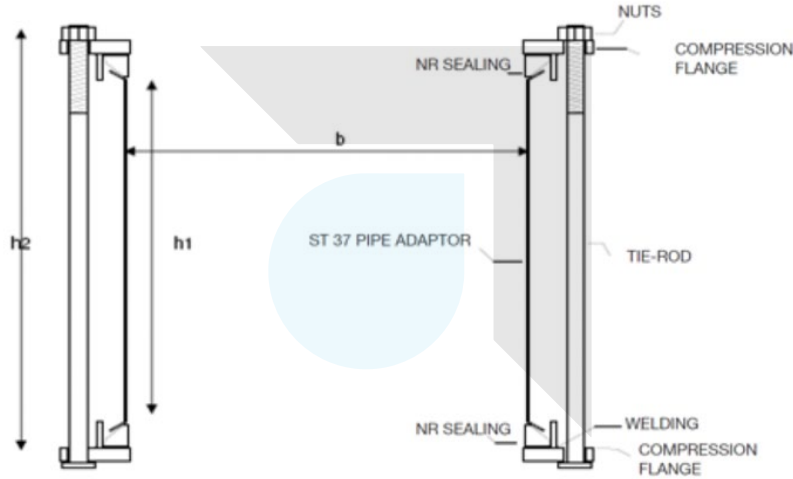


Product Features

- PN10-16 working pressure, temperature up to 110°C acceptable
- Suitable for connecting pipes with angular misalignment.
- With NBR gaskets, couplings can be used for sewage and drainage.
- Pipe networks containing carbon steel, PVC, polyethylene, or ductile iron can be coupled using universal couplings.
- Water and neutral liquids, as well as sewage applications are suitable for this product.
- Compact design based on ductile iron provides light weight and ease of use.
- Reduced bore pipe couplings can be used to connect pipes with high diameter differences.
- The construction is fully corrosion resistant. Fusion-bonded epoxy coating on the inside and outside.
- According to EN 12266-1, the hydrostatic test pressure for the shell is PN x 1.5.



Dimensions DN80-500



DN (mm)	Corresponding Size	Pipe Size Range	b	h1	h2	Thickness	Suppression Flange	Bolts & Nuts	Gasket	Pressure	Coating
100	110 mm	109-126	128	190	260	5 MM ST37	GGG 40	M14/270 ST37 4 sets	EPDM / NBR	10-16-25	Blue Epoxy
150	160 mm	155-170	183	180	260	5 MM ST37	GGG 40	M14/270 ST37 4 sets	EPDM / NBR	10-16-25	Blue Epoxy
200	225 mm	215-230	243	180	260	5 MM ST37	GGG 40	M14/270 ST37 4 sets	EPDM / NBR	10-16-25	Blue Epoxy
250	250 DI	270-275	302	250	350	5 MM ST37	GGG 40	M14/360 ST37 6 sets	EPDM / NBR	10-16-25	Blue Epoxy
300	300 DI	315-332	334	250	350	5 MM ST37	GGG 40	M14/360 ST37 6 sets	EPDM / NBR	10-16-25	Blue Epoxy
350	350 mm	340-357	359	250	350	5 MM ST37	GGG 40	M14/360 ST37 6 sets	EPDM / NBR	10-16-25	Blue Epoxy
400	400 DI	418-435	437	250	350	5 MM ST37	GGG 40	M14/360 ST37 8 sets	EPDM / NBR	10-16-25	Blue Epoxy
500	500 mm	495-512	514	250	350	5 MM ST37	GGG 40	M14/360 ST37 10 sets	EPDM / NBR	10-16-25	Blue Epoxy
600	600 DI	623-640	640	250	350	5 MM ST37	GGG 40	M14/360 ST37 12 sets	EPDM / NBR	10-16-25	Blue Epoxy

Units: mm / indicative dimensions & weights

