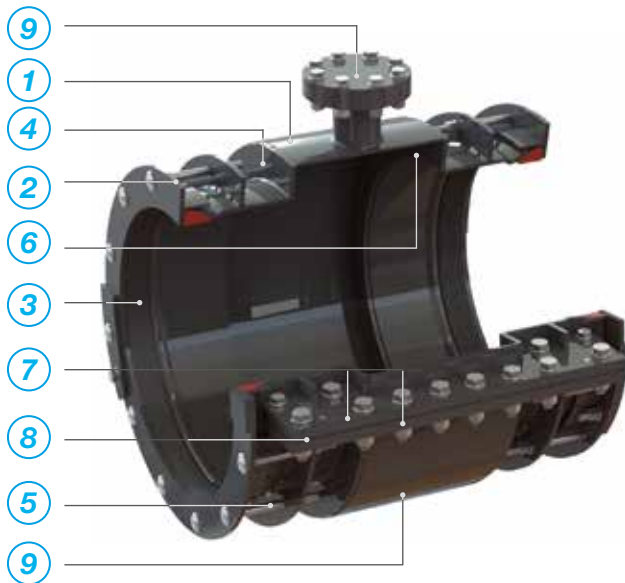


Design features

of Duofit coupling in two pieces

for pipe repair and hot-tapping



1 Central body

Carbon steel central body conveniently built in order to allow a perfect movement of the gasket inside its dedicated conical seat.

2 Compression ring

Carbon steel compression followers which allow compression of the gasket onto the pipe surface upon tightening the bolts.

3 Gasket

Truncated-cone sealing gasket which can be perfectly inserted between the central body of the coupling and the circumference of the pipe. It allows a complete hydraulic seal and a 30 mm of tolerance range on pipe OD.

4 Bolt holes

Round or square holes for the bolt installation.

5 Compression bolts

The compression bolts allow the approaching of the compression flanges and the consequent compression of the gasket onto the pipe.

6 Shaping

Manufactured from carbon steel, designed according to the length and the diameter of the pipe or of the sleeve to be repaired, in order to perfectly cover them.

7 Lateral plates

Manufactured from carbon steel, they allow the union of the two longitudinal shells of the DUOFIT allowing the repairing of the leak.

8 Lateral gasket

Lateral gasket with square section, it is compressed between the lateral plates and allows the hydraulic seal along the entire length of the Duofit.

9 Upper and lower outlets

They allow the DUOFIT assembly decreasing the pressure during the installation. They are also used in order to test the DUOFIT tightness once the installation is completed.

10 Straight version

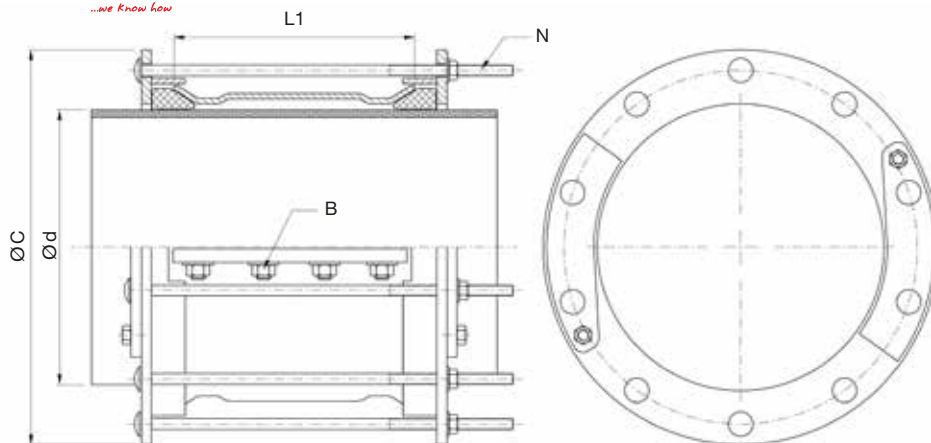
Straight version for repairing pipeline straight sections.

11 Separate followers version

The bolts tightening is independent in order to improve the coupling centering and the performances of the gasket.

Duofit NSD10

Single bolt straight version



Straight version **DUOFIT NSD10** for repairs on damaged pipes (cracks, faulty weldings, corrosion, etc.) with no service cut off on pipes of any diameter. Can be also used for hot tapping techniques on pipes of any material and diameter with running fluids.

Other sizes or ranges on request

DN	MOP (PN)	Ød		L1	Max. external dimension ØC	No. Flange bolts N	No. lateral plates bolts B	Weight
		min.	max.					
300	6/10/16	320	350	355	500	8	10	99,0
350		340	370		520	10		105,0
		360	390		540			108,0
400		390	420		580	12		113,0
		410	440		600			116,0
450		435	465		620	14		123,0
		460	490		640			127,0
500		490	520		680	16		132,0
		510	540		700			135,0
600		535	565		720	18		142,0
		560	590		740			146,0
700		590	620		783	20		151,0
		620	650		813			160,0
800		645	675		838	22		164,0
		670	700		863			171,0
900		695	725		888	24		175,0
		720	750		913			179,0
1000		750	780		943	26		184,0
		780	810		973			189,0
1100		835	865		1028	28		189,0
		860	890		1053			200,0
1200		895	925		1088	30		205,0
		925	955		1118			214,0
1300		955	985		1148	32		222,0
		985	1015		1178			227,0
1400		1000	1030		1193	34		232,0
		1030	1060		1223			237,0
1500		1060	1090		1253	36		241,0
	1080	1110	1273	246,0				
1600	1100	1130	1293	38	250,0			
	1130	1160	1323		255,0			
1700	1160	1190	1353	40	260,0			
	1185	1215	1378		265,0			
1800	1205	1235	1398	42	270,0			
	1235	1265	1428		275,0			
1900	1300	1330	1493	44	280,0			
	1335	1365	1528		297,0			
2000	1385	1415	1578	46	303,0			
	1410	1440	1603		311,0			
2100	1440	1470	1633	48	318,0			
	1510	1540	1703		323,0			
2200	1585	1615	1778	50	337,0			
	1610	1640	1803		349,0			
2300	1650	1680	1843	52	356,0			
	1825	1855	2018		363,0			
2400	1860	1890	2053	54	403,0			
	2020	2050	2213		408,0			
2500	2065	2095	2258	56	442,0			
					450,0			