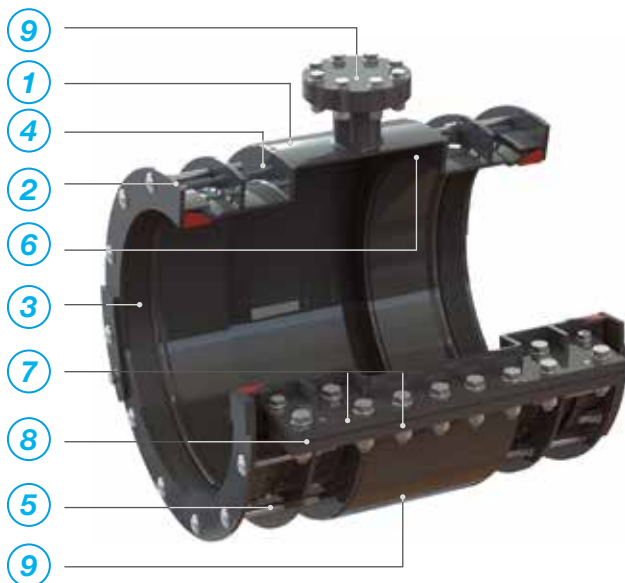


Design features

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

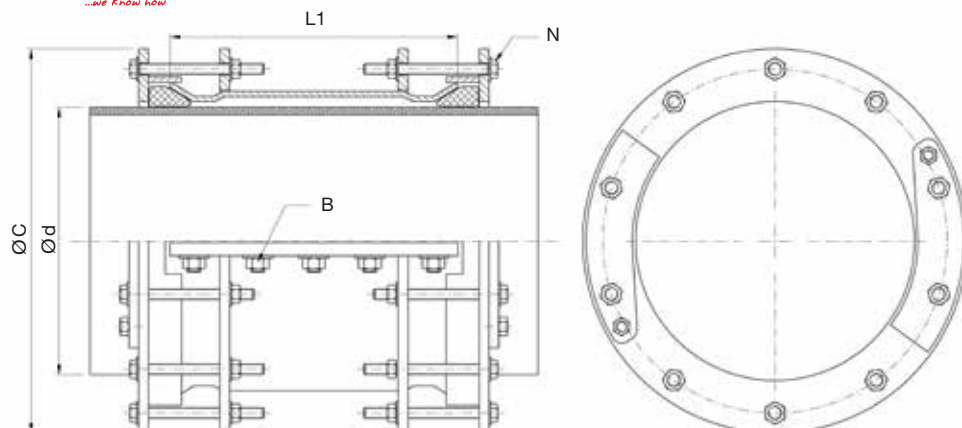
The bolts tightening is independent in order to improve the coupling centering and the performances of the gasket.

Duofit NSD20-D

Double bolt straight version



Straight version **DUOFIT NSD20** for repairs on damaged pipes (cracks, faulty weldings, corrosion, etc.) with no service interruption on pipes of any diameter. Can also be used for hot-tapping techniques on pipes of any material and diameter with running fluids.



Other sizes or ranges on request

DN	MOP (PN)	Ø d		L1	max. external dimension Ø C	No. Flange bolts N	No. lateral plates bolts B	Weight
		min.	max.					
300	6/10/16	320	350	435	513	16	12	118,0
350		340	370		533			125,0
		360	390		553	20		
400		390	420		583			135,0
		410	440		603	139,0		
450		435	465		628			24
		460	490		653	152,0		
500		490	520		683			158,0
		510	540		703	162,0		
550		535	565		728			28
		560	590		753	176,0		
600		590	620		783			186,0
		620	650		813	192,0		
650		645	675		838			197,0
		670	700		863	205,0		
700		695	725		888			32
		720	750		913	215,0		
750		750	780		943			36
		780	810		973	227,0		
800		835	865		1028			40
		860	890		1053	36		
900		895	925		1088			44
		925	955		1118	48		
950		955	985		1148			52
		985	1015		1178	56		
1000		1000	1030		1193			60
		1030	1060		1223	64		
1050		1060	1090		1253			68
	1080	1110	1273	72	301,0			
1100	1100	1130	1293		76	308,0		
	1130	1160	1323	80		314,0		
1150	1160	1190	1353		84	320,0		
	1185	1215	1378	88		325,0		
1200	1205	1235	1398		92	325,0		
	1235	1265	1428	96		333,0		
1250	1300	1330	1493		100	339,0		
	1335	1365	1528	104		359,0		
1300	1385	1415	1578		108	366,0		
	1410	1440	1603	112		376,0		
1350	1440	1470	1633		116	384,0		
	1510	1540	1703	120		390,0		
1400	1585	1615	1778		124	407,0		
	1610	1640	1803	128		422,0		
1450	1650	1680	1843		132	422,0		
	1825	1855	2018	136		431,0		
1500	1860	1890	2053		140	439,0		
	2020	2050	2213	144		488,0		
1600	2065	2095	2258		148	495,0		
	2065	2095	2258	152		536,0		
1700				156	545,0			