

SimpleFit flange adaptors & couplings



Flange adaptor & coupling



Coupling



Straight simple fit couplings and flange adaptors.

Introduction

Technimex' straight simple fit couplings and flange adaptors are manufactured to join most types of plain ended rigid pipes or to join a plain ended pipe to a flanged fitting, pipe or valve very easily, all you need is a spanner.

Working pressures may vary from 10 to 40 bar, depending on application. Flanges can be drilled to suit various international standards like ISO, DIN, BS and ANSI. Available from DN50 up to DN 2500.

Design

A set of track head bolts are tightened moving the end-rings towards each other, compressing the wedge-shaped rubber gaskets in the space formed by the end-ring, the flared middle ring and the pipe surface forming a long-term leak-proof seal.

To assure long term sealing without any additional maintenance after the initial installation, the design of the components is of extreme importance. The most important component of the coupling is the rubber gasket. This uniquely developed compound can retain ultrahigh loading, extreme temperature variations, vibration, impact and flexing that can be caused by many variables in the pipeline system.

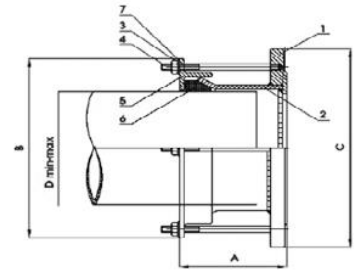
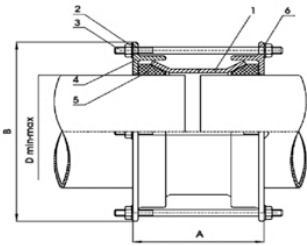
Advantages

The flexibility of the coupling easily absorbs vibrations as well as an axial expansion or contraction of max. 10 mm. Flange adaptors can absorb an axial expansion or contraction of max 5 mm. It allows a deflection of maximum 6°. This enables you to mount these also when there is a slight misalignment in an otherwise straight pipeline.

Variations

These SimpleFit couplings and flange adaptors are also available in galvanized steel and are approved by German Lloyd's and the American Bureau of Shipping (*shipbuilding industry approvals*).

A (removeable) locating plug can be installed upon request.



DN mm	Range in mm	Tol. On OD for length L in mm	A Mm	B mm	Weight kg
350	355,6	+ 10,0 – 5,0	220	470	25
350	378	+ 10,0 – 5,0	220	494	27
400	406,4	+ 10,0 – 5,0	220	522	28
400	429	+ 10,0 – 5,0	220	545	30
450	480	+ 10,0 – 5,0	220	596	33
500	508	+ 10,0 – 5,0	220	620	36
500	532	+ 10,0 – 5,0	220	648	38
550	558,8	+ 10,0 – 5,0	220	672	40
600	609,6	+ 10,0 – 5,0	220	722	43
600	635	+ 10,0 – 5,0	220	750	45
650	660	+ 10,0 – 5,0	220	775	45
700	711,2	+ 10,0 – 5,0	220	825	52
700	732	+ 10,0 – 5,0	220	854	54
800	812,8	+ 10,0 – 5,0	220	925	65
800	842	+ 10,0 – 5,0	220	958	67
900	914,4	+ 10,0 – 5,0	220	1030	80
900	945	+ 10,0 – 5,0	220	1060	82
1000	1016	+ 10,0 – 5,0	220	1130	94
1000	1048	+ 10,0 – 5,0	220	1160	96
1200	1220	+ 10,0 – 5,0	320	1230	112
1200	1255	+ 10,0 – 5,0	320	1260	114

DN mm	Range in mm	Tol. On OD for length L in mm	A mm	B mm	C mm	Weight kg
350	355,6	+ 10,0 – 5,0	220	470	505	32
350	378	+ 10,0 – 5,0	220	494	505	30
400	406,4	+ 10,0 – 5,0	220	522	565	37,5
400	429	+ 10,0 – 5,0	220	545	565	35
450	480	+ 10,0 – 5,0	220	596	610	42,5
500	508	+ 10,0 – 5,0	220	620	670	48
500	532	+ 10,0 – 5,0	220	648	670	44,5
600	609,6	+ 10,0 – 5,0	220	722	780	62
600	635	+ 10,0 – 5,0	220	750	780	57
700	711,2	+ 10,0 – 5,0	220	825	895	81,5
700	732	+ 10,0 – 5,0	220	854	895	70
800	812,8	+ 10,0 – 5,0	220	925	1015	100
800	842	+ 10,0 – 5,0	220	958	1015	91
900	914,4	+ 10,0 – 5,0	220	1030	1115	116,5
900	945	+ 10,0 – 5,0	220	1060	1115	104
1000	1016	+ 10,0 – 5,0	220	1130	1230	137,5
1000	1048	+ 10,0 – 5,0	220	1160	1230	125,5
1200	1220	+ 10,0 – 5,0	320	1230	1330	178
1200	1255	+ 10,0 – 5,0	320	1260	1330	163

Technical properties

High quality rolled steel to BS4360:1986 Grade 43A.

Fusion bonded epoxy coating, thickness approx. 200 microns. A hot dipped galvanized coating or a transit primer is available on request.

EPDM or NBR rubber gaskets.

Bolts and nuts are made of steel BS970: Part1:1983 Grade 070 and are hot dipped galvanized.