TEADIT NA1000 GASKETS
DUCTILE IRON PIPELINE SYSTEMS

DN 80 - DN 900
Manufactured to comply with WSA 109

DIMAX
Quality you demand

OVERVIEW

Style NA1000 is a compressed sheet gasket material produced from a combination of aramid, inert and reinforced fillers and bonded with nitrile rubber (NBR).

It is manufactured through the hot calendar process under rigorous quality control standards that are registered under ISO-9001 certification.

GENERAL APPLICATION

Style NA1000 is a premium soft gasket material that has numerous applications in the process industries and in the water and waste water industry.

Style NA1000 is suitable for service handling the following general media categories: mild acids; akalies; water; brine; air; industrial gases; animal and vegetable oils; petroleum and derivatives; neutral solutions and refrigerants.

TECHNICAL DATA

Size Range
DN 80 - DN 900

Thickness
1.5mm

Maximum Continuous Temperature
80°C

Maximum Continuous Pressure
3.5MPa

Complies With
AS4087 Fig.B6 PN35 ductile iron flanges

Certification
AS 4020 - Suitable for contact with drinking water

PHYSICAL PROPERTIES

DENSITY - ASTM F1315 - g/cm³	1.3
COMPRESSIBILITY - ASTM F36A %	15-25
RECOVERY ASTM - F36A %	50
IGNITION LOSS - ASTMF495 % MAX	36
TORQUE RETENTION - DIN 52913 MPa	37
TENSILE STRENGTH - ASTM F152 - MPa	13
SEALABILITY - DIN 3535 - mg/s.m	<0.001
IMMERSION ASTM F 146 THICKNESS INCREASE % MAX:	
- FUEL B: 5 h/25°C	15
- OIL IRM 903: 5 h/150°C	15
AVE DIELECTRIC STRENGTH kV/mm	10.0

* 2.0mm used for data comparison only

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FLANGE GASKET DIMENSIONS

NOMINAL SIZE DN	OD mm	ID mm	Number of Holes	Pitch Circle Diameter mm	Hole Diameter mm
80	205	82	8	165	18
100	230	108	8	191	18
150	305	161	12	260	22
200	370	216	12	324	22
225	405	241	12	356	26
250	430	268	12	381	26
300	490	325	16	438	26
375	580	406	16	521	30
450	675	485	20	610	33
500	735	536	24	673	33
600	850	641	24	781	36
750	1015	796	28	940	36
TOLERANCES mm	+0, -5	DN 80 - 300: +0, -10 DN300: +0, -20	-	±0.5	±1
THICKNESS mm	1.5mm ± 0.1				

ESTIMATED TIGHTENING TORQUE VALUES

NOMINAL SIZE DN	Bolt Size	Number of Bolts	Bolt Length mm	Bolt Tension kN	Estimated Torgues. Nm		
					Galvanised		Stainless
					Lightly Oiled μ = 0.22	**Well Lubricated** μ = 0.15	**Well Lubricated** μ = 0.20
80	M16	8	110	50	180	120	160
100	M16	8	110	50	180	120	160
150	M20	12	130	80	350	240	320
200	M20	12	130	80	350	240	320
225	M24	12	150	115	610	420	550
250	M24	12	150	115	610	420	550
300	M24	16	150	115	610	420	550
375	M27	16	170	150	900	610	810
450	M30	20	190	180	1190	810	1080
500	M30	24	190	180	1190	810	1080
600	M33	24	210	230	1670	1140	1520
750	M33	28	210	230	1670	1140	1520
900	M36	32	230	270	2140	1460	1950

* 'Lightly oiled' refers to the applicaation of a good quality lubricating oil and is the usual as recieved condition of fastners.
* 'Well lubricated' refers to the application of molybdenum disulphide grease, or equivalent antiseize compound.
* The estimated torques provided in the tables are based on the coefficients of friction (μ) indicated. Where other coefficients apply, alternative torques should be calculated.
* Required bolt tension and estimated torques have been assessed using established engineering principles, however, variation in installation procedures may result in different requirements.

DISCLAIMER

Call 1800 032 566 or visit www.reece.com.au/storefinder for your nearest branch.

CERTIFICATIONS

AS 4020 – Suitable for use in contact with drinking water

WSA 109 - Flanged Gaskets and O-Rings