EPDM FLANGE GASKET KITS
DUCTILE IRON PIPELINE SYSTEMS

DN 80 - DN 750 PN 16 Standard Pressure
Manufactured to comply with WSA 109

DIMAX
Quality you demand

OVERVIEW

Available as individual gaskets or as gasket kits complete with bolts, nuts and washers.

Bolts, nuts and washers available in galvanised steel (grade 4.6) or stainless steel (class 50).

Manufactured from solid EPDM rubber.

High tensile strength to avoid extrusion from between flanges.

No insertion cloth - avoids potential leak path through gasket.

Full face for easy installation.

Each gasket branded for simple identification.

GENERAL APPLICATION

Dimax PN 16 Flange Gaskets are suitable for drinking water and wastewater applications. Used to effect a seal between AS 4087 Fig B5 ductile iron flanges on fittings and valves.

TECHNICAL DATA

Size Range
DN 80 - DN 750

Material
Solid EPDM Rubber

Thickness
3mm

Tensile Strength
12MPa

Elongation
300%

Hardness
70 IRHD

Compression Set
72h @ 23°C 12%
24h @ 70°C 14%

Allowable Operating Pressure
1600kPa

Allowable Test Pressure
2000kPa

Maximum Temperature
50°C

Certification
AS 4020 - Suitable for contact with drinking water

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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	*	82	4	146	18
100	*	108	4	178	18
150	**	161	8	235	18
200	335	216	8	292	18
225	370	241	8	324	18
250	405	268	8	356	22
300	455	325	12	406	22
375	550	406	12	495	26
450	640	485	12	584	26
500	705	536	16	641	26
600	825	641	16	756	30
750	995	796	20	927	33
TOLERANCES mm	+0, -5	DN 80 - 300: +0, -10 DN300: +0, -20	-	±0.5	±1
THICKNESS mm	1.5mm ± 0.1				

* Square outside profile
** Octagonal outside profile

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	4	65	20	70	50	65
100	M16	4	75	20	70	50	65
150	M16	8	75	20	70	50	65
200	M16	8	75	20	70	50	65
225	M16	8	75	25	90	60	80
250	M20	8	90	35	160	110	140
300	M20	1	100	35	160	110	140
375	M24	12	120	50	270	180	240
450	M24	12	120	55	290	200	270
500	M24	16	120	55	290	200	270
600	M27	16	130	70	420	290	380
750	M30	20	140	80	530	360	480

* '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.

CERTIFICATIONS

AS 4020 – Suitable for use in contact with drinking water

WSA 109 - Flanged Gaskets and O-Rings