

RUBBER EXPANSION JOINT/ FLANGES/ GASKETS

Technoflex Rubber Products (An ISO 9001:2015 certified company) is located in Rubber Park, Airapuram, which has been organized for Design and Manufacturing of all type of Rubber, Polyurethane, Plastics Products and Metal Components.

When we believe innovation is the key component to remain as the market leader, we cannot refrain from introducing wide range and variety of Molded Rubber products and the moulds for manufacturing those components.

Full Face Rubber Expansion Joint

Full face type rubber expansion joints are moulded wide arch designed, complete with full face flanges made of steel and c/w Rubber Gaskets with multiple internal SS wires embedded between the bellow. Total rubber impregnated construction will extend service life. Steel Flanges on either side is a connector to the line system which also gives reinforcement and Strength, also prevents pushing out under pressure. All drilling standards are available with us. Any length (Face to Face) can be designed and manufactured according to your requirement.

METAL FLANGES

A flange is an external or internal ridge for strength for attachment to another object, as the flange on the end of a pipe, steam cylinder, etc. Thus flanged wheels are wheels with a flange on one side to keep the wheels from running off the rails.

There are many different flange standards to be found worldwide. To allow easy functionality and interchangeability, these are designed to have standardised dimensions. Common world standards include ASA/ANSI/ASME, PN/DIN, BS10, JIS/KS etc.

Further, many of the flanges in each standard are divided into "pressure classes", allowing flanges to be capable of taking different pressure ratings.



RUBBER GASKETS

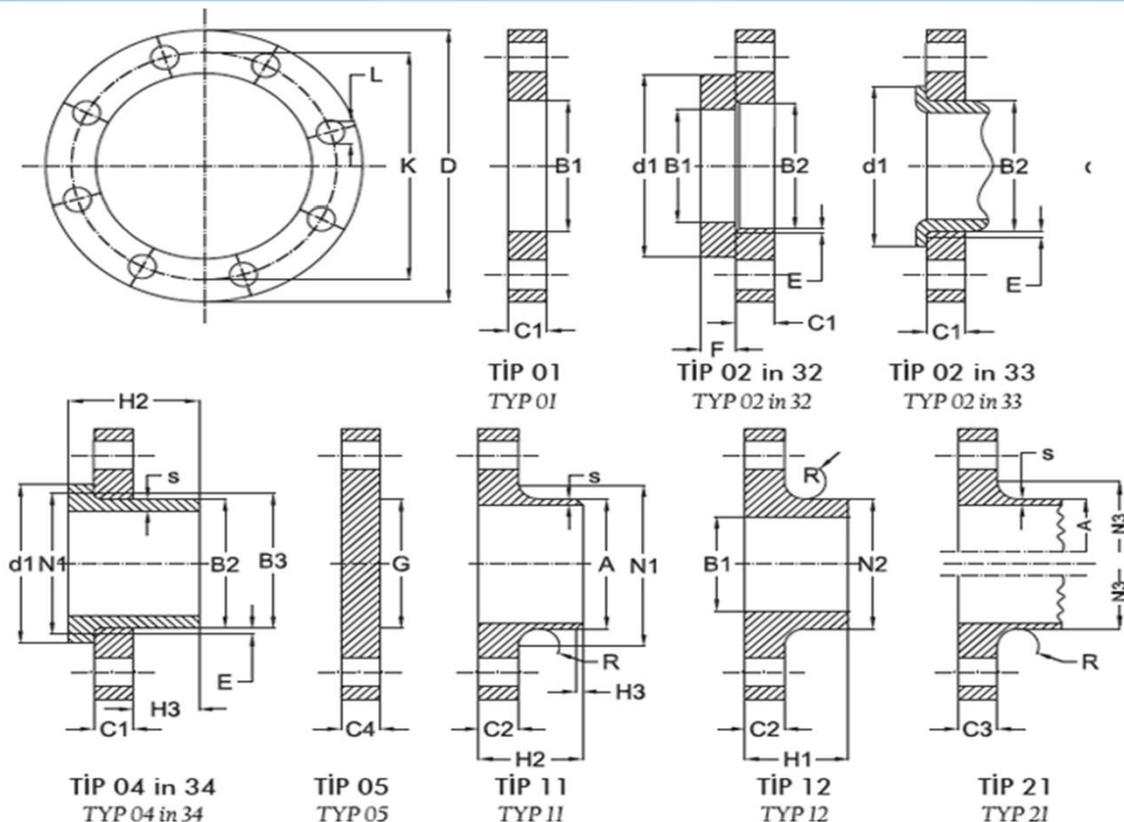
With the assistance of our production unit, we are providing a quality assured range of Rubber Gaskets. The offered gaskets are manufactured from high quality rubber, neoprene, silicone, nitrile (NBR), SBR, EPDM and Viton that are procured from some of the reliable sources of the industry. This entire range of Rubber Gaskets is used in various applications such as fluid restriction, weather insulation, vibration dampening, electrical absorption, noise reduction, packaging, cushioning due to its optimum performance, high tensile strength, accurate dimension and rigid construction.



STANDARD LIST OF RUBBER EXPANSION JOINT

Nominal Diameter		Overall Length	Compressed & Extended Length	Allowable Movement (mm)				Operating Pressure	Vacuum
Imperial	Metri cNB	mm	Extended	Axial Compression	Axial Extension	Lateral Deflection	Angular Deflection	KPA@80°C	mm Hg
1-1/2"	40	95	87-99	10	6	9	15°	1600	660
2"	50	105	99-110	10	7	10	15°	1600	660
2-1/2"	65	115	103-121	13	7	11	15°	1600	660
3"	80	130	118-133	15	8	12	15°	1600	660
4"	100	135	117-145	19	10	13	15°	1600	660
5"	125	170	152-180	19	12	13	15°	1600	660
6"	150	180	162-190	20	12	13	15°	1600	660
8"	200	205	180-220	25	16	14	15°	1600	660
10"	250	240	215-254	25	16	22	15°	1600	660
12"	300	260	235-274	25	16	22	15°	1600	660
14"	350	265	240-281	25	16	22	15°	1000	660
16"	400	265	240-281	25	16	22	15°	1000	660
18"	450	265	240-281	25	16	22	15°	1000	660
20"	500	265	240-281	25	16	22	15°	1000	660
24"	600	265	240-281	25	16	22	15°	1000	660

METAL FLANGES USED IN EXPANSION JOINT



STANDARD DIMENSION LIST OF METAL FLANGES

ASPEREN 1092-1, PN 16 STANDARD

Nominal diameter DN	Mating dimensions					Outside diameter of neck	Bore diameters			Flange thickness				Chamfer	Collar thickness	Diameter of shoulders	Length			Neck diameters			Cmner radius	Neck thickness (preferred value)																			
	Outside diameter	Diameter of bolt circle	Diameter of bolt hole	Bolting																																							
	D	K	L	No	Size																				A	B1	B2	B3	C1	C2	C3	C4	E	F	G max	H1	H2	H3	N1	N2	N3	R	S
	Flange Type																								11	01	02	04	01	11	21	05	02	32	05	12	11	11	11	12	21	11	11
01, 02, 05, 11, 12, 13, 21					21*	12	02	04	02	12	21	05	02	32	05	13	34	34	34	13	21	13	34																				
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	3	12	-	22	35	6	28	30	28	4	1,8																				
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	3	12	-	22	38	6	32	35	32	4	2,0																				
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	4	14	-	26	40	6	40	45	40	4	2,3																				
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	4	14	-	28	40	6	46	52	52	4	2,6																				
32	140	100	10	4	M16	42,4	43,5	47	59	10	10	10	5	14	-	30	42	6	56	60	60	6	2,6																				
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	5	14	-	32	45	7	64	70	70	6	2,6																				
50	165	125	18	4	M16	60,3	61,5	65	77	20	20	20	5	16	-	34	48	8	75	84	84	6	2,9																				
65	185	145	18	8	M16	76,1	77,5	81	96	22	22	22	6	16	56	38	52	10	90	104	104	6	2,9																				
80	200	160	18	8	M16	88,9	90,5	94	114	24	24	24	6	18	70	40	58	12	105	118	120	8	3,2																				
100	235	190	22	8	M20	114,3	116,0	120	138	26	24	24	6	20	90	44	65	12	134	145	142	8	3,6																				
125	270	220	26	8	M24	139,7	141,5	145	166	28	26	26	6	22	115	48	68	12	162	170	162	8	4,0																				
150	300	250	26	8	M24	168,3	170,5	174	194	30	28	28	6	24	140	52	75	12	192	200	192	10	4,5																				
200	375	320	30	12	M27	219,1	221,5	226	250	36	34	36	6	28	190	52	88	16	244	260	254	10	6,3																				
250	450	385	33	12	M30	273,0	276,5	281	312	42	38	38	8	30	235	60	105	18	306	312	312	12	7,1																				
300	515	450	33	16	M30	323,9	327,5	333	368	48	42	42	8	34	285	67	115	18	362	380	378	12	8,0																				
350	580	510	36	16	M33	355,6	359,5	365	418	54	46	46	8	36	330	72	125	20	408	424	432	12	8,8																				
400	660	585	39	16	M36	406,4	411,0	416	472	60	50	50	8	42	380	78	135	20	462	478	498	12	11,0																				
450	685	610	39	20	M36	457,0	462,0	467	510	66	57	57	8	46	425	84	135	20	500	522	522	12	12,5																				
500	755	670	42	20	M39	508,0	513,5	519	572	72	57	57	8	50	475	90	140	20	562	576	576	12	14,2																				
600	890	795	48	20	M45	610,0	616,5	622	676	84	72	72	8	54	575	100	150	20	666	686	686	12	16,0																				

 **TECHNO FLEX RUBBER PRODUCTS PVT. LTD.**

 **TECHNO FLEX RUBBER PRODUCTS**
An ISO 9001:2015 Certified Company

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