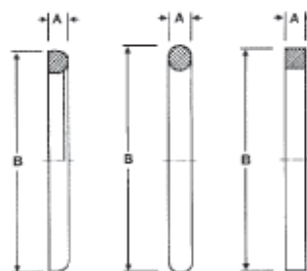


ANÉIS DE VEDAÇÃO

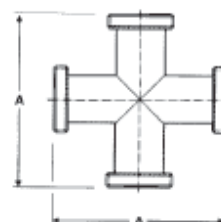
Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	5	40	6,6	39,9	5,5	32,0
1 1/2"	5	52	6,6	52,8	5,5	48,0
2"	5	64	6,6	65,3	5,5	61,0
2 1/2"	5	81	6,6	78,0	5,5	73,5,0
3"	5	95	6,6	90,7	5,5	86,0
4"	6	114	6,6	116,1	5,5	114,0
5"	7	142				
6"	7	167				

Temperatura máxima de trabalho: Buna 80° C.
EPDM 90° C.
Silicone 140° C.
Viton 250° C.



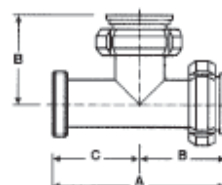
CRUZETA 4M

Ø	DIN	RJT	SMS
	A	A	A
1"	144	154,0	130
1 1/2"	178	188,0	174
2"	188	198,0	184
2 1/2"	220	224,0	218
3"	256	250,0	244
4"	282	285,6	292



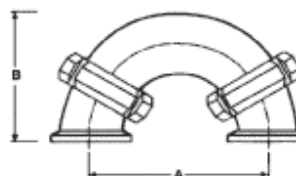
CRUZETA 90 ° M - NP - NP

Ø	DIN			RJT			SMS		
	A	B	C	A	B	C	A	B	C
1"	142	70	72	140	63	77,0	126,5	61,5	65
1 1/2"	178	87	89	174	80	94,0	167,0	80,0	87
2"	186	92	94	184	85	99,0	177,0	85,0	92
2 1/2"	219	109	110	210	96	112,0	207,0	98,0	109
3"	254	126	128	236	111	125,0	234,0	112,0	122
4"	284	143	141	279	136	142,8	213,0	127,0	146



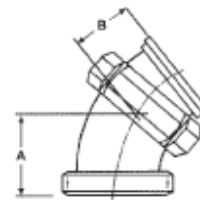
CURVA 180 ° 2 NP

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	76,2	71	76,2	64,0	76,2	62,5
1 1/2"	114,4	97	114,4	90,0	114,4	90,0
2"	152,4	122	152,4	115,0	152,4	115,0
2 1/2"	190,4	153	190,4	142,0	190,4	142,0
3"	228,4	181	228,4	166,0	228,4	167,0
4"	304,8	235	304,8	228,4	304,8	219,0



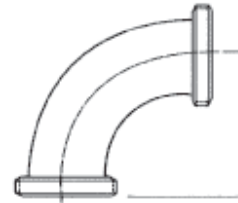
CURVA 45 ° M - NP

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	37,0	35	42,0	28,0	30	26,5
1 1/2"	44,0	42	49,0	35,0	42	35,0
2"	51,0	49	56,0	42,0	49	42,0
2 1/2"	61,0	60	63,0	49,0	60	49,0
3"	74,0	72	71,0	57,0	68	57,0
4"	88,0	90	89,8	83,4	82	74,0



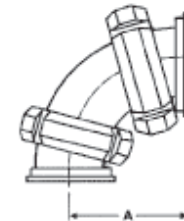
CURVA 90 ° 2 M

Ø	DIN	RJT	SMS
1"	60,1	85,1	78,5
1 1/2"	79,2	84,2	77,2
2"	98,2	103,2	96,2
2 1/2"	126,6	128,6	125,6
3"	144,2	141,2	138,2
4"	182,4	179,4	187,4



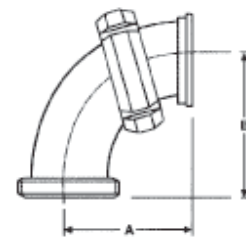
CURVA 90 ° 2 NP

Ø	DIN	RJT	SMS
1"	58,1	51,1	49,6
1 1/2"	77,2	70,3	70,2
2"	96,2	89,2	89,2
2 1/2"	119,2	108,2	108,2
3"	142,2	127,2	128,2
4"	184,2	177,8	168,4



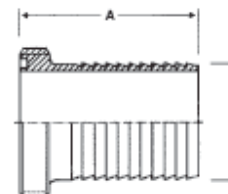
CURVA 90 ° M - NP

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	58,1	60,1	51,1	65,1	49,6	78,5
1 1/2"	77,2	79,2	70,3	84,2	70,2	77,2
2"	96,2	98,2	89,2	103,2	89,2	96,2
2 1/2"	119,2	126,6	108,2	128,6	108,2	125,6
3"	142,2	144,2	127,2	141,2	128,2	138,2
4"	184,2	182,4	177,8	179,2	168,4	187,4



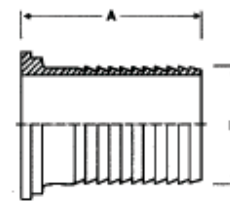
MACHO ADAPTADOR PARA MANGUEIRA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	82	25,4	87,0	25,4	75	25,4
1 1/2"	102	38,1	107,0	38,1	100	38,1
2"	102	50,8	107,0	50,8	100	50,8
2 1/2"	125	63,5	127,0	63,5	124	63,5
3"	130	76,2	127,0	76,2	124	76,2
4"	130	101,6	131,8	101,6	135	101,6



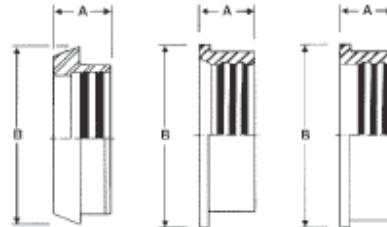
NIPLE ADAPTADOR PARA MANGUEIRA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	80	25,4	73,0	25,4	71,5	25,4
1 1/2"	100	38,1	93,0	38,1	93,0	38,1
2"	100	50,8	93,0	50,8	93,0	50,8
2 1/2"	124	63,5	113,0	63,5	113,0	63,5
3"	128	76,2	113,0	76,2	114,0	76,2
4"	132	101,6	125,4	101,6	116,0	101,6



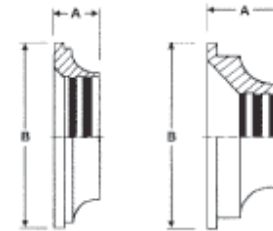
NIPLES EXPANSÃO

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	22	44,0	20	41,3	17	35,5
1 1/2"	26	56,0	24	54,0	20	55,0
2"	28	68,5	28	66,7	20	65,0
2 1/2"	32	86,0	32	79,4	25	80,0
3"	37	100,0	32	92,1	30	93,0



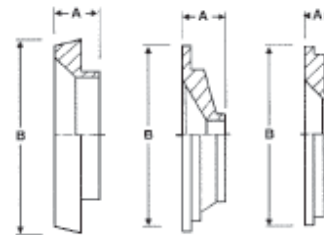
NIPLES REDUÇÃO EXPANSÃO

Ø	RJT		SMS	
	A	B	A	B
1 1/2" x 1"	24	54	17	55
2" x 1"	30	67	17	65
2" x 1 1/2"	30	67	20	65
2 1/2" x 1"	32	79	17	80
2 1/2" x 1 1/2"	32	79	20	80
2 1/2" x 2"	32	79	20	80
3" x 1 1/2"	35	92	20	93
3" x 2"	35	92	20	93
3" x 2 1/2"	32	92	15	93



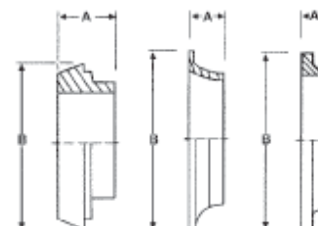
NIPLES DE REDUÇÃO SOLDA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1 1/2" x 1"	20	56,0	22	54,0	13	55
2" x 1"	20	66,5	22	66,7	20	65
2" x 1 1/2"	20	68,5	22	66,7	20	65
2 1/2" x 1"	20	86,0	22	79,4	20	80
2 1/2" x 1 1/2"	20	86,0	22	79,4	20	80
2 1/2" x 2"	20	86,0	22	79,4	20	80
3" x 1 1/2"	37	100,0	22	92,1	20	93
3" x 2"	25	100,0	22	92,1	20	93
3" x 2 1/2"	20	100,0	22	92,1	20	93
4" x 2"	37	121,0	30	117,8	20	127
4" x 2 1/2"	28	121,0	30	117,8	20	127
4" x 3"	25	121,0	30	117,8	20	127



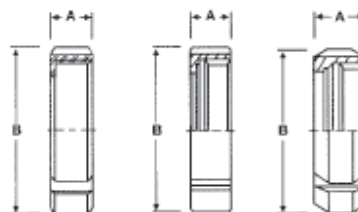
NIPLES SOLDA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	20	44,0	13,0	41,3	11,5	35,5
1 1/2"	20	56,0	13,0	54,0	13,0	55,0
2"	20	68,5	13,0	66,7	13,0	65,0
2 1/2"	24	86,0	13,0	79,4	13,0	80,0
3"	28	100,0	13,0	92,1	14,0	93,0
4"	32	121,0	25,4	117,8	16,0	127,0
5"	34	150,0				
6"	37	178,0				



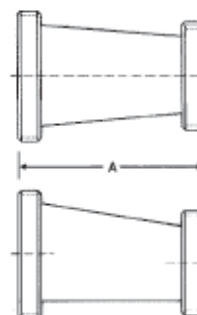
PORCA CIRCULAR

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	21	63	22,2	58,5	20	50
1 1/2"	22	78	22,2	74,0	25	73
2"	22	92	22,2	85,5	26	83
2 1/2"	25	112	22,2	98,5	30	99
3"	29	127	22,2	111,6	32	113
4"	31	148	22,2	139,0	45	153
5"	35	178				
6"	40	210				



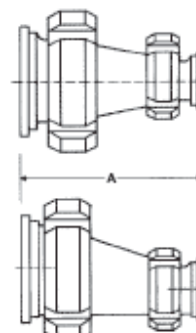
REDUÇÃO CÔNICA 2 M

Ø	DIN	RJT	SMS
	conc./exc.	conc./exc.	conc./exc.
1 1/2" x 1"	88,5	98,5	79,5
2" x 1"	129,5	139,5	120,5
2" x 1 1/2"	85,0	95,0	81,0
2 1/2" x 1"	174,5	181,5	166,5
2 1/2" x 1 1/2"	130,0	137,0	127,0
2 1/2" x 2"	89,0	96,0	86,0
3" x 1 1/2"	177,5	179,5	169,5
3" x 2"	136,5	138,5	128,5
3" x 2 1/2"	97,5	96,5	90,5
4" x 2"	211,5	218,3	214,5
4" x 2 1/2"	172,5	176,3	176,5
4" x 3"	135,0	133,8	134,0



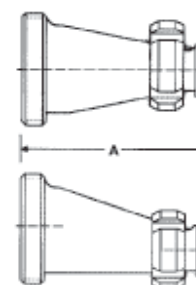
REDUÇÃO CÔNICA 2 NP

Ø	DIN	RJT	SMS
	conc./exc.	conc./exc.	conc./exc.
1 1/2" x 1"	84,5	70,5	69,0
2" x 1"	125,5	111,5	110,0
2" x 1 1/2"	81,0	67,0	67,0
2 1/2" x 1"	171,5	153,5	152,0
2 1/2" x 1 1/2"	127,0	109,0	109,0
2 1/2" x 2"	86,0	68,0	68,0
3" x 1 1/2"	173,5	151,5	152,5
3" x 2"	132,5	110,5	111,5
3" x 2 1/2"	94,5	68,5	69,5
4" x 2"	211,5	197,9	188,5
4" x 2 1/2"	173,5	155,9	146,5
4" x 3"	135,0	113,4	105,0



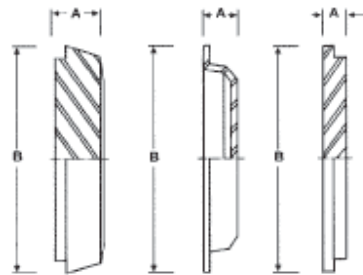
REDUÇÃO CÔNICA M NP

Ø	DIN	RJT	SMS
	conc./exc.	conc./exc.	conc./exc.
1 1/2" x 1"	86,5	84,5	76,0
2" x 1"	127,5	125,5	117,0
2" x 1 1/2"	83,0	81,0	74,0
2 1/2" x 1"	172,5	167,5	164,5
2 1/2" x 1 1/2"	128,0	123,0	120,0
2 1/2" x 2"	87,0	82,0	79,0
3" x 1 1/2"	175,5	165,5	162,5
3" x 2"	134,5	124,5	121,5
3" x 2 1/2"	96,5	82,5	79,5
4" x 2"	209,5	204,3	207,5
4" x 2 1/2"	171,5	162,3	165,5
4" x 3"	133,0	119,8	124,0



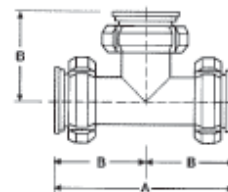
TAMPÃO

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	10	44,0	7	41,3	7,5	35,5
1 1/2"	10	56,0	7	54,0	8,0	55,0
2"	11	68,5	7	66,7	9,0	65,0
2 1/2"	12	86,0	7	79,4	9,0	80,0
3"	12	100,0	7	92,1	11,0	93,0
4"	15	121,0	7	117,8	13,0	127,0
5"	17	150,0				
6"	18	176,0				



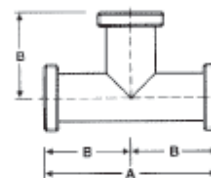
TEE 90 ° 3 NP

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	140	70	122	61,5	126,0	63,0
1 1/2"	174	87	160	80,0	160,0	80,0
2"	184	92	170	85,0	170,0	85,0
2 1/2"	218	109	196	98,0	196,0	98,0
3"	252	126	224	112,0	222,0	111,0
4"	286	143	254	127,0	272,8	136,4



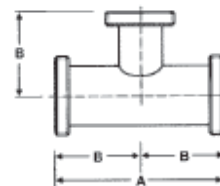
TEE 90 ° 3 M

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	144	72	154,0	77,0	130	65
1 1/2"	178	89	188,0	94,0	174	87
2"	188	94	198,0	99,0	184	92
2 1/2"	220	110	224,0	112,0	218	109
3"	256	123	250,0	125,0	244	122
4"	282	141	285,6	142,8	292	146



TEE 90 ° DE REDUÇÃO 3 M

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1 1/2" x 1"	178	89	188,0	94	174	82
2" x 1"	188	94	198,0	99	184	87
2" x 1 1/2"	188	94	198,0	99	184	92
2 1/2" x 1"	220	107	224,0	112	218	90
2 1/2" x 1 1/2"	220	107	224,0	112	218	105
2 1/2" x 2"	220	107	224,0	112	218	105
3" x 1 1/2"	256	120	250,0	125	244	118
3" x 2"	256	120	250,0	125	244	118
3" x 2 1/2"	256	123	250,0	125	244	122
4" x 2"	282	133	285,6	138	292	131
4" x 2 1/2"	282	136	285,6	138	292	135
4" x 3"	282	141	285,6	138	292	135



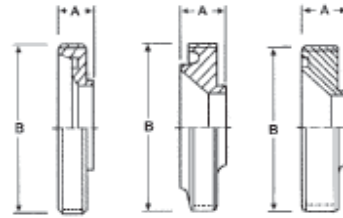
UNIÃO SMS

Ø	solda expansão	
	solida	expansão
1"	28,5	34
1 1/2"	35,0	42
2"	35,0	42
2 1/2"	39,0	51
3"	40,0	58
4"	53,0	



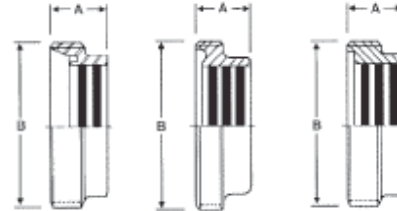
MACHOS SOLDA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	22	52	27,0	45,7	15	40
1 1/2"	22	65	27,0	58,4	20	60
2"	22	78	27,0	72,7	20	70
2 1/2"	25	95	27,0	85,4	24	85
3"	30	110	27,0	98,1	24	98
4"	30	130	31,8	123,5	35	132
5"	50	190				
6"	46	160				



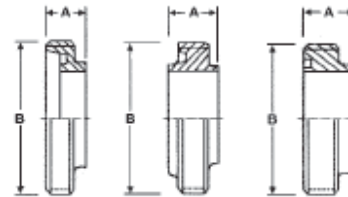
MACHOS EXPANSÃO

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1"	29	52	20	45,7	20	40
1 1/2"	33	65	24	58,4	23	60
2"	35	78	28	72,7	25	70
2 1/2"	40	95	32	85,4	30	85
3"	45	110	32	98,1	35	98



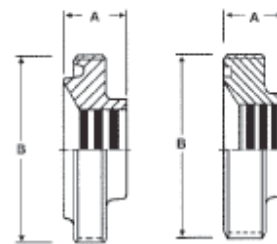
MACHOS DE REDUÇÃO SOLDA

Ø	DIN		RJT		SMS	
	A	B	A	B	A	B
1 1/2" x 1"	22	65	27,0	58,4	20	60
2" x 1"	22	78	27,0	72,7	20	70
2" x 1 1/2"	22	78	27,0	72,7	20	70
2 1/2" x 1"	25	95	27,0	85,4	24	85
2 1/2" x 1 1/2"	25	95	27,0	85,4	24	85
2 1/2" x 2"	25	95	27,0	85,4	24	85
3" x 1 1/2"	30	110	27,0	98,1	24	98
3" x 2"	30	110	27,0	98,1	24	98
3" x 2 1/2"	30	110	27,0	98,1	24	98
4" x 2"	30	130	31,8	123,5	35	132
4" x 2 1/2"	30	130	31,8	123,5	35	132
4" x 3"	30	130	31,8	123,5	35	132



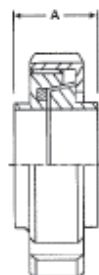
MACHOS REDUÇÃO / EXPANSÃO

Ø	RJT		SMS	
	A	B	A	B
1 1/2" x 1"	27,0	58,4	25,0	60
2" x 1"	27,0	72,7	26,5	70
2" x 1 1/2"	28,5	72,7	28,0	70
2 1/2" x 1"	27,0	85,4	30,0	85
2 1/2" x 1 1/2"	30,0	85,4	28,0	85
2 1/2" x 2"	33,0	85,4	30,0	85
3" x 1 1/2"	30,0	98,1	29,0	98
3" x 2"	34,0	98,1	31,0	98
3" x 2 1/2"	36,0	98,1	35,0	98



UNIÃO DIN

Ø	expansão		solda	
1"	45,5	36,5		
1 1/2"	51,5	36,5		
2"	57,5	36,5		
2 1/2"	65,5	42,5		
3"	75,5	51,5		
4"	90,0	54,0		



UNIÃO RJT

Ø	solda		expansão	
1"	37,0	44		
1 1/2"	37,0	48		
2"	37,0	52		
2 1/2"	37,0	56		
3"	37,0	56		
4"	54,2			



