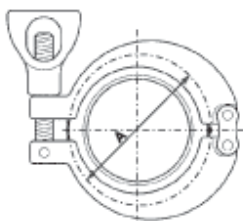


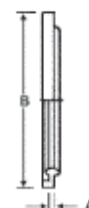
### ABRAÇADEIRA CLAMP

Ø	A	R. máx. de serripo (Kafflein)
1" e 1 1/2"	54	34
2"	67	28
2 1/2"	81	26
3"	94	22
4"	122	12



### ANEL DE VEDAÇÃO

Ø	A	B
1"	1,7	52,7
1 1/2"	1,7	52,7
2"	1,7	66,2
2 1/2"	1,7	79,7
3"	1,7	93,2
4"	1,7	121,2



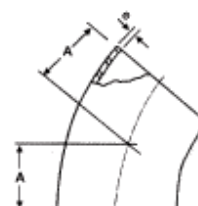
### CURVA 180 ° SOLDA

Ø	A	B	e
1"	76,2	50,8	1,5
1 1/2"	114,4	76,2	1,5
2"	152,4	101,6	1,5
2 1/2"	190,4	127,0	1,5
3"	228,4	152,3	2,0
4"	304,8	203,2	2,0



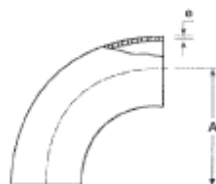
### CURVA 45 ° SOLDA

Ø	A	e
1"	15	1,5
1 1/2"	22	1,5
2"	29	1,5
2 1/2"	36	1,5
3"	44	2,0
4"	58	2,0



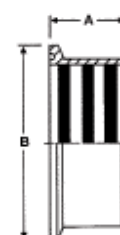
### CURVA 90 ° SOLDA

Ø	A		e
	normal	prof.	
1"	38,1	61,1	1,5
1 1/2"	57,2	84,3	1,5
2"	76,2	107,2	1,5
2 1/2"	95,2	130,2	1,5
3"	114,2	152,2	2,0
4"	152,4	194,4	2,0



### NIPLA EXPANSÃO

Ø	A	B
1"	20	50,4
1 1/2"	20	50,4
2"	25	63,9
2 1/2"	30	77,4
3"	30	90,9



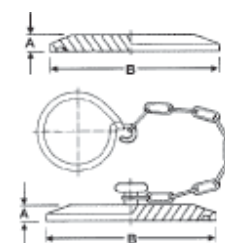
### NIPLA SOLDA

Ø	A		B
	curto	longo	
1"	12,7	28,6	50,4
1 1/2"	12,7	28,6	50,4
2"	12,7	28,6	63,9
2 1/2"	12,7	28,6	77,4
3"	12,7	28,6	90,9
4"	15,8	28,6	118,9



### TAMPÃO

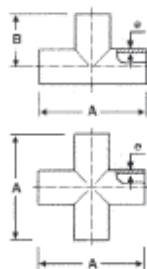
Ø	A	B
1"	6	50,4
1 1/2"	6	50,4
2"	6	63,9
2 1/2"	6	77,4
3"	6	90,9
4"	6	118,9



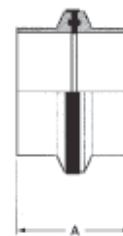
### TEE 90 ° SOLDA / CRUZETA SOLDA

### UNIÃO SOLDA

Ø	A	B	e
1"	100	50	1,5
1 1/2"	134	67	1,5
2"	144	72	1,5
2 1/2"	170	85	1,5
3"	196	98	2,0
4"	222	111	2,0

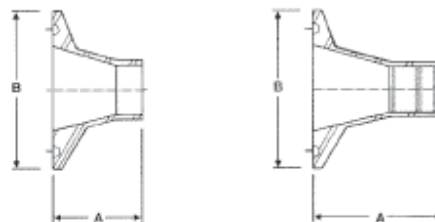


Ø	curta			longa expansão		
	curta	longa	expansão	curta	longa	expansão
1"	27,1	59	41,7			
1 1/2"	27,1	59	41,7			
2"	27,1	59	51,7			
2 1/2"	27,1	59	61,7			
3"	27,1	59	61,7			
4"	33,3	59				



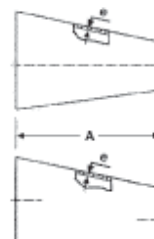
## NIPLE DE REDUÇÃO SOLDA / EXPANSÃO

Ø	A		B
	solda	expansão	
1 1/2" x 1"	20	30	50,4
2" x 1"	20	30	63,9
2" x 1 1/2"	20	30	63,9
2 1/2" x 1"	20	30	77,4
2 1/2" x 1 1/2"	20	30	77,4
2 1/2" x 2"	20	30	77,4
3" x 1 1/2"	26	36	90,9
3" x 2"	26	36	90,9
3" x 2 1/2"	26	36	90,9
4" x 2"	30	40	118,9
4" x 2 1/2"	30	40	118,9
4" x 3"	30	40	118,9



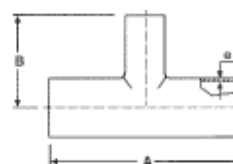
## REDUÇÃO CÔNICA SOLDADA

Ø	A		e
	conc.lesc.		
1 1/2" x 1"	44,5		2
2" x 1"	85,5		2
2" x 1 1/2"	41,0		2
2 1/2" x 1"	127,5		2
2 1/2" x 1 1/2"	83,0		2
2 1/2" x 2"	42,0		2
3" x 1 1/2"	125,5		2
3" x 2"	84,5		2
3" x 2 1/2"	42,5		2
4" x 2"	159,5		2
4" x 2 1/2"	117,5		2
4" x 3"	75,0		2



## TEE 90 ° DE REDUÇÃO SOLDADA

Ø	A	B	e
1 1/2" x 1"	134	67	1,5
2" x 1"	144	72	1,5
2" x 1 1/2"	144	72	1,5
2 1/2" x 1"	170	85	1,5
2 1/2" x 1 1/2"	170	85	1,5
2 1/2" x 2"	170	85	1,5
3" x 1 1/2"	196	98	2,0
3" x 2"	196	98	2,0
3" x 2 1/2"	196	98	2,0
4" x 2"	222	111	2,0
4" x 2 1/2"	222	111	2,0
4" x 3"	222	111	2,0



FECHAR