



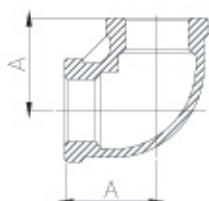
Stainless Steel Pipe fittings 150#



- Stainless Steel 304 & 316 Available
- Casting Conforms to ASTM A351
- Thread: NPT, BSP, PT, Metric, etc.
- Pressure: 150PSI
- Threads Conform to ASME B1.20.1, DIN2999/259, ISO7/1, ISO228-1, JIS B 0203.
- Manufacturing Facility is ISO 9001:2008 Certified
- Fittings Meet Applicable Chemical & Physical Properties

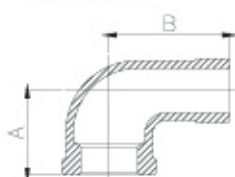


MSS SP 114 Heavy Pattern Stainless Steel Fittings



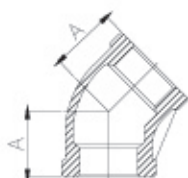
ELBOW – 90°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	20.5	20.5	23.6	28.4	33.2	38.0
Size	1¼	1½	2	2½	3	4
A(mm)	44.4	49.0	57.0	62.7	71.9	89.7



STREET ELBOW – 90°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	20.5	20.5	23.6	28.4	33.2	38.1
B(mm)	26.9	29.9	36.3	41.1	47.4	53.8
Size	1¼	1½	2	2½	3	4
A(mm)	44.4	49.0	57.0	63.2	71.6	89.4
B(mm)	63.5	69.8	82.5	91.7	106.4	135.6

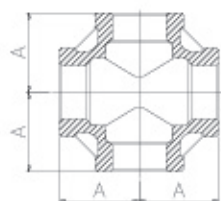


ELBOW – 45°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	17.5	17.5	20.5	22.0	25.4	28.4
Size	1¼	1½	2	2½	3	4
A(mm)	33.2	36.3	42.6	47.0	52.07	64.0

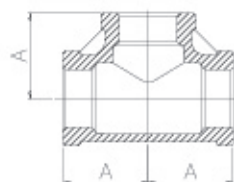


MSS SP 114 Heavy Pattern Stainless Steel Fittings



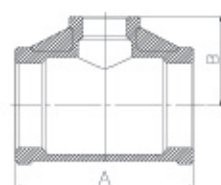
CROSS

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	20.5	20.5	23.6	28.4	33.2	38.0
Size	1¼	1½	2	2½	3	4
A(mm)	44.4	49.0	57.0	62.7	71.9	89.6



TEE

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	20.5	20.5	23.6	28.4	33.2	38.0
Size	1¼	1½	2	2½	3	4
A(mm)	44.4	49.0	57.0	62.7	71.9	89.6

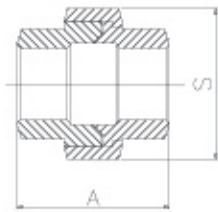


REDUCING TEE

Size	1/2*1/4	1/2*3/8	3/4*3/8	3/4*1/2	1*1/2	1*3/4	1¼*3/4
A(mm)	56.8	56.8	66.4	66.4	76.2	76.2	88.8
B(mm)	28.4	28.4	33.2	33.2	38.1	38.1	44.4
Size	1¼*1	1½*1	1½*1¼	2*1	2*1¼	2*1½	
A(mm)	88.8	98.0	98.0	114.3	114.3	114.3	
B(mm)	44.4	49.0	49.0	57.15	57.15	57.15	

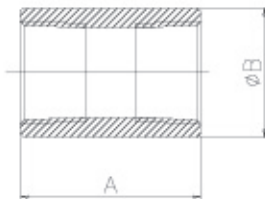


MSS SP 114 Heavy Pattern Stainless Steel Fittings



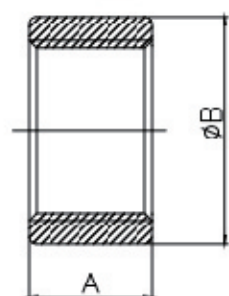
UNION

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	31.1	31.6	34.7	39.7	42.6	48.6
S(mm)	28.5	28.6	33.6	38.6	46.9	57.7
Size	1¼	1½	2	2½	3	4
A(mm)	53.9	58.8	63.2	70.6	79.1	91.6
S(mm)	66.7	76.0	89.6	107.4	122	151.5



FULL COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	21.0	24.7	28.2	34.2	38.0	42.5
øB(mm)	14.5	17.6	21.0	26.0	30.5	38.2
Size	1¼	1½	2	2½	3	4
A(mm)	48.2	51.7	56.0	66.0	71.2	82.0
øB(mm)	47.0	52.8	67.8	80.0	97.0	124.0

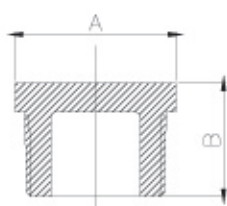


HALF COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	12.9	13.2	14.5	18.0	19.3	20.8
øB(mm)	20.0	22.3	26.6	31.5	37.6	46.0
Size	1¼	1½	2	2½	3	4
A(mm)	25.6	27.2	32.0	36.8	40.9	47.5
øB(mm)	55.6	64.0	76.4	85.0	102.0	128.8

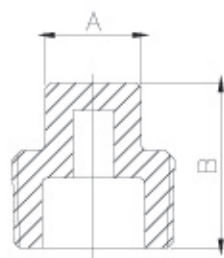


MSS SP 114 Heavy Pattern Stainless Steel Fittings



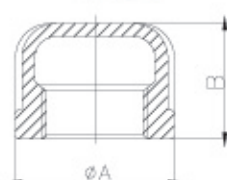
HEX PLUG

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	12.7	15.7	17.2	22.0	30.4	36.3
B(mm)	12.8	14.6	16.1	19.0	21.5	25.3
Size	1¼	1½	2	2½	3	4
A(mm)	44.7	50.8	62.9	74.9	97.3	116.6
B(mm)	27.4	28.8	30.9	38.3	40.1	46.0



SQUARE HEAD PLUG

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	7.0	9.5	11.0	14.2	15.8	20.6
B(mm)	15.3	18.2	19.9	23.8	27.1	31.7
Size	1¼	1½	2	2½	3	4
A(mm)	23.8	28.5	33.3	38.1	42.4	56.1
B(mm)	34.5	36.7	39.5	46.0	49.0	56.9

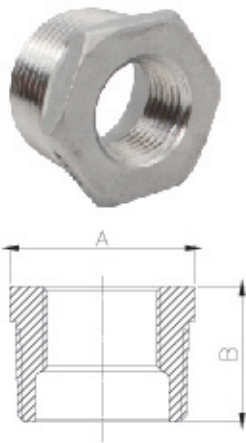


ROUND CAP

Size	1/8	1/4	3/8	1/2	3/4	1
φA(mm)	19.0	21.3	25.6	30.4	37.0	44.9
B(mm)	17.2	17.2	20.5	23.6	26.9	33.2
Size	1¼	1½	2	2½	3	4
φA(mm)	54.6	61.7	75.0	81.0	98.5	124.7
B(mm)	41.0	41.0	44.4	48.5	54.3	60.4

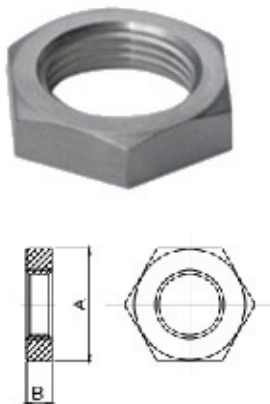


MSS SP 114 Heavy Pattern Stainless Steel Fittings



HEX BUSHING

Size	1/2*1/8	1/2*1/4	1/2*3/8	3/4*1/4	3/4*3/8	3/4*1/2
A(mm)	22.1	22.1	22.1	26.8	26.8	26.8
B(mm)	19.0	19.0	19.0	21.3	21.3	21.3
Size	1*1/4	1*3/8	1*1/2	1*3/4	1 1/4*1/2	1 1/4*3/4
A(mm)	34.8	34.8	34.8	34.8	44.3	44.3
B(mm)	25.3	25.3	25.3	25.3	27.6	27.6
Size	1 1/4*1	1 1/2*3/4	1 1/2*1	1 1/2*1 1/4	2*3/4	2*1
A(mm)	44.3	50.7	50.7	50.7	63.4	63.4
B(mm)	27.6	28.2	28.2	28.2	30.8	30.8
Size	2*1 1/4	2*1 1/2	2 1/2*1/2	2 1/2*3/4	2 1/2*1	2 1/2*1 1/4
A(mm)	63.4	63.4	74.7	74.7	74.7	74.7
B(mm)	30.8	30.8	37.6	37.6	37.6	37.6
Size	2 1/2*1 1/2	2 1/2*2	3*1	3*1-1/4	3*1-1/2	3*2
A(mm)	74.7	74.7	92.2	92.2	92.2	92.2
B(mm)	37.6	37.6	40.1	40.1	40.1	40.1
Size	3*2-1/2	4*1-1/4	4*1-1/2	4*2	4*2-1/2	4*3
A(mm)	92.2	116.6	116.6	116.6	116.6	116.6
B(mm)	40.1	48.0	48.0	48.0	48.0	48.0



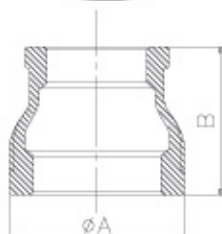
HEX NUT

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	18.0	21.8	25.9	33.8	36.6	44.4
B(mm)	5.3	6.6	7.8	8.4	9.1	9.6
Size	1 1/4	1 1/2	2	2 1/2	3	4
A(mm)	53.8	60.2	73.9	91.7	118.3	148.8
B(mm)	11.1	12.4	14.0	15.7	17.5	21.0

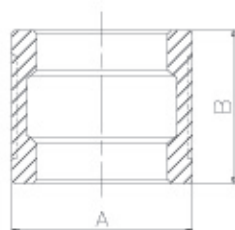


MSS SP 114 Heavy Pattern Stainless Steel Fittings

REDUCING COUPLING



Size	1/4*1/8	1/2*1/4	1/2*3/8	3/4*1/4	3/4*3/8	3/4*1/2
φA(mm)	21.3	30.5	30.5	37.0	37.0	37.0
B(mm)	25.4	35.0	35.0	38.0	38.0	38.0
Size	1*3/8	1*1/2	1*3/4	1 1/4*1/2	1 1/4*3/4	1 1/4*1
φA(mm)	45.0	45.0	45.0	54.5	54.5	54.5
B(mm)	41.1	41.1	41.1	50.8	50.8	50.8
Size	1 1/2*1/2	1 1/2*3/4	1 1/2*1	1 1/2*1 1/4	2*3/4	2*1
φA(mm)	61.7	61.7	61.7	61.7	75.0	75.0
B(mm)	53.8	53.8	53.8	53.8	63.5	63.5
Size	2*1 1/4	2*1 1/2	2-1/2*1	2-1/2*1-1/4	2-1/2*1-1/2	2-1/2*2
φA(mm)	75.0	75.0	86.1	86.1	86.1	86.1
B(mm)	63.5	63.5	83.0	83.0	83.0	83.0
Size	3*1	3*1-1/4	3*1-1/2	3*2	3*2-1/2	4*2
φA(mm)	103.1	103.1	103.1	103.1	103.1	129.8
B(mm)	83.0	83.0	83.0	83.0	83.0	111.5
Size	4*2-1/2	4*3				
φA(mm)	129.8	129.8				
B(mm)	111.5	111.5				



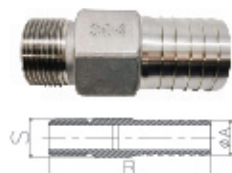
SOCKET BANDED

Size	1/2	3/4	1	1 1/4	1 1/2	2
A(mm)	30.5	37.0	45.0	54.6	61.7	75.0
B(mm)	35.0	38.0	41.1	50.8	53.8	63.5

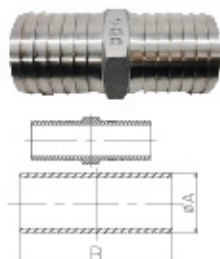


Stainless Steel Hose Barb Fitting

HOSE BARB FITTING

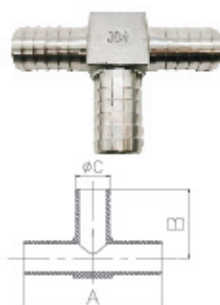


Size	1/2B*1/2M	3/4B*1/2M	3/4B*3/4M	1B*3/4M	1B*1M	1 1/4B*1M
A(mm)	16.8	21.5	21.5	27.2	27.2	36.0
B(mm)	72.6	74.0	75.0	85.0	86.2	90.6
S(mm)	19.0	26.0	26.0	30.6	30.6	40.0
Size	1 1/4B*1 1/4M	1 1/2B*1 1/2M	2B*2M			
A(mm)	36.0	41.7	53.6			
B(mm)	95.3	97.6	101.8			
S(mm)	40.0	46.5	58.0			



HOSE BARB COUPLING

Size	1/2B*1/2B	3/4B*3/4B	1B*1B	1 1/4B*1 1/4B	1 1/2B*1 1/2B	2B*2B
φA(mm)	16.8	21.5	27.2	36.0	41.8	53.6
B(mm)	83.2	81.0	86.0	81.8	95.0	107.0



HOSE BARB TEE

Size	3/4B*3/4B*3/4B	1B*1B*1B	1 1/4B*1 1/4B*1 1/4B
A(mm)	92.0	106.0	124.4
B(mm)	46.0	53.0	62.2
φC(mm)	21.5	27.2	36.0



HOSE BARB ELBOW

Size	3/4B*3/4B*3/4B	1B*1B*1B	1 1/4B*1 1/4B*1 1/4B
A(mm)	59.0	68.0	81.2
B(mm)	46.0	53.0	62.2
φC(mm)	21.5	27.2	36.0

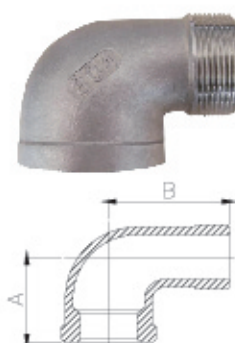


Standard Pattern Stainless Steel Fittings



ELBOW – 90°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	16.8	18.9	22.6	26.6	30.8	36.2
Size	1¼	1½	2			
A(mm)	41.9	47.2	56.0			



STREET ELBOW – 90°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	15.6	18.0	20.0	25.0	29.0	35.4
B(mm)	24.3	27.8	32.0	38.0	44.0	50.7
Size	1¼	1½	2			
A(mm)	41.0	45.8	53.0			
B(mm)	57.0	62.5	72.0			

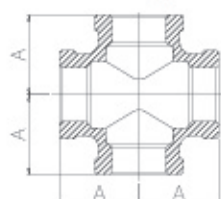


ELBOW – 45°

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	15.6	15.9	17.6	19.2	22.8	26.7
Size	1¼	1½	2	2½	3	4
A(mm)	30.0	32.7	38.6	44.6	50.6	59.5

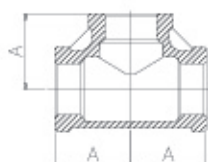


Standard Pattern Stainless Steel Fittings



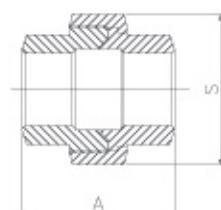
CROSS

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	16.5	18.6	22.6	26.4	30.2	36.2
Size	1 1/4	1 1/2	2			
A(mm)	41.9	46.6	55.4			



TEE

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	16.5	18.6	22.6	26.4	30.2	36.1
Size	1 1/4	1 1/2	2			
A(mm)	41.9	46.6	55.4			



UNION

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	31.1	31.6	34.7	39.7	42.6	48.6
S(mm)	28.5	28.6	33.6	38.6	46.9	57.7
Size	1 1/4	1 1/2	2	2 1/2	3	4
A(mm)	53.9	58.8	63.2	70.6	79.1	91.6
S(mm)	66.7	76.0	89.6	107.4	122.0	151.5



Standard Pattern Stainless Steel Fittings



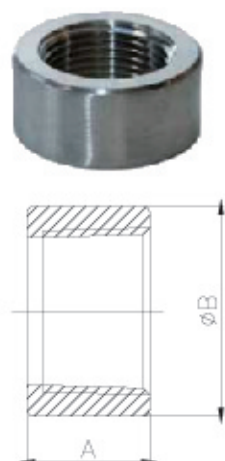
FULL COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	21.0	24.7	28.2	34.2	38.0	42.5
φB(mm)	14.5	17.6	21.0	26.0	30.5	38.2
Size	1¼	1½	2	2½	3	4
A(mm)	48.2	51.7	56.0	66.0	71.2	82.0
φB(mm)	47.0	52.8	67.8	80.0	97.0	124.0



FULL COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	17.8	23.5	25.5	33.8	35.0	42.5
φB(mm)	13.2	17.2	21.7	25.5	30.0	36.7
Size	1¼	1½	2	2½	3	4
A(mm)	47.5	49.5	55.4	64.0	70.0	78.5
φB(mm)	47.0	53.0	65.2	82.5	95.5	124.0

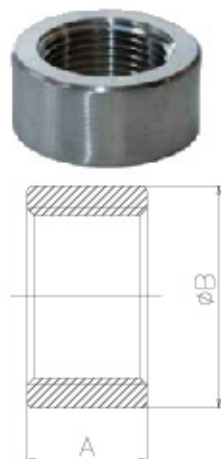


HALF COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	8.0	11.0	12.0	15.0	17.0	19.5
φB(mm)	14.5	17.6	21.0	26.0	30.5	38.2
Size	1¼	1½	2	2½	3	4
A(mm)	22.0	22.0	26.0	30.5	34.0	40.0
φB(mm)	47.0	52.8	67.8	80.0	97.0	124.0

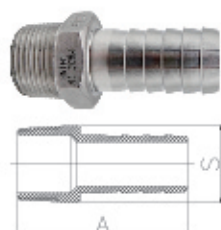


Standard Pattern Stainless Steel Fittings



HALF COUPLING

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	8.0	11.0	11.4	15.0	16.3	19.2
ϕB (mm)	13.2	17.2	21.7	25.5	30.0	36.7
Size	1 1/4	1 1/2	2	2 1/2	3	4
A(mm)	21.4	21.4	25.7	30.5	33.5	40.0
ϕB (mm)	47.0	53.0	65.2	82.5	95.5	124.0



HOSE NIPPLE

Size	1/4	3/8	1/2	3/4	1	1 1/4
A(mm)	42.3	47.0	59.7	67.0	78.0	82.7
S(mm)	16.0	19.0	23.5	28.4	35.2	44.0
Size	1 1/2	2				
A(mm)	86.7	105.5				
S(mm)	50.0	62.5				

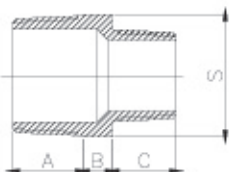


HEX NIPPLE

Size	1/4	3/8	1/2	3/4	1	1 1/4
A(mm)	30.0	32.7	37.5	40.5	48.5	53.0
S(mm)	16.0	19.0	23.5	28.4	35.2	44.0
Size	1 1/2	2				
A(mm)	54.0	64.0				
S(mm)	50.0	62.5				

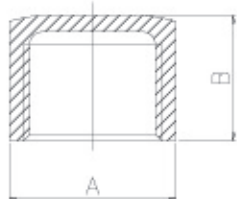


Standard Pattern Stainless Steel Fittings



REDUCING HEX NIPPLE

Size	1/4*1/8	3/8*1/8	3/8*1/4	1/2*1/4	1/2*3/8	3/4*1/4
A(mm)	12.0	12.5	12.5	14.0	14.0	16.5
B(mm)	5.5	5.5	5.5	6.0	6.0	7.0
C(mm)	10.5	10.5	12.0	12.0	12.5	12.0
S(mm)	14.5	18.0	18.0	22.5	22.5	28.0
Size	3/4*3/8	3/4*1/2	1*3/8	1*1/2	1*3/4	1 1/4*1/2
A(mm)	16.5	16.5	18.5	18.5	18.5	21.0
B(mm)	7.0	7.0	7.0	7.0	7.0	7.0
C(mm)	12.5	14.0	12.5	14.0	16.5	14.0
S(mm)	28.0	28.0	34.5	34.5	34.5	43.0
Size	1 1/4*3/4	1 1/4*1	1 1/2*1/2	1 1/2*3/4	1 1/2*1	1 1/2*1 1/4
A(mm)	21.0	21.0	22.0	22.0	22.0	22.0
B(mm)	7.0	7.0	8.0	8.0	8.0	8.0
C(mm)	16.5	18.5	14.0	16.5	18.5	21.0
S(mm)	43.0	43.0	49.5	49.5	49.5	49.5
Size	2*3/4	2*1	2*1 1/4	2*1 1/2		
A(mm)	24.0	24.0	24.0	24.0		
B(mm)	8.0	8.0	8.0	8.0		
C(mm)	16.5	18.5	21.0	22.0		
S(mm)	62.0	62.0	62.0	62.0		

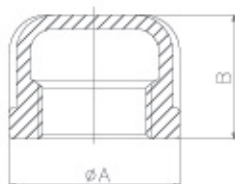


HEX CAP

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	13.5	15.4	19.7	26.2	31.9	39.8
B(mm)	15.4	15.5	18.0	23.5	24.6	29.9
Size	1 1/4	1 1/2	2			
A(mm)	47.8	55.9	66.5			
B(mm)	30.6	32.5	35.6			

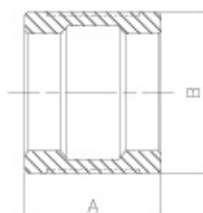


Standard Pattern Stainless Steel Fittings



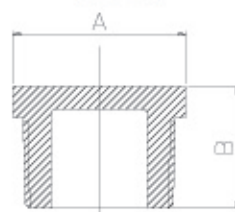
ROUND CAP

Size	1/8	1/4	3/8	1/2	3/4	1
φA(mm)	14.5	17.4	20.7	27.5	32.5	40.0
B(mm)	13.9	15.0	16.9	19.7	23.3	27.6
Size	1¼	1½	2	2½	3	4
φA(mm)	49.0	55.4	68.2	84.4	98.1	122.8
B(mm)	29.6	30.5	35.0	40.5	41.2	45.4



SOCKET BANDED

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	18.2	25.0	26.0	32.6	35.0	41.0
φB(mm)	14.0	17.2	21.2	26.0	32.0	39.6
Size	1¼	1½	2	2½	3	4
A(mm)	44.0	44.4	51.0	63.5	70.2	79.0
φB(mm)	48.2	54.5	67.2	83.6	98.0	123.0

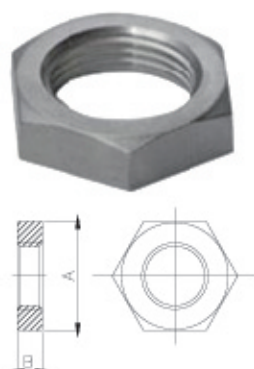


HEX HEAD PLUG

Size	1/4	3/8	1/2	3/4	1	1¼
A(mm)	16.0	19.0	23.5	28.4	35.2	44.0
B(mm)	18.3	19.7	22.5	24.2	28.5	31.3
Size	1½	2				
A(mm)	50.0	62.5				
B(mm)	32.3	38.0				

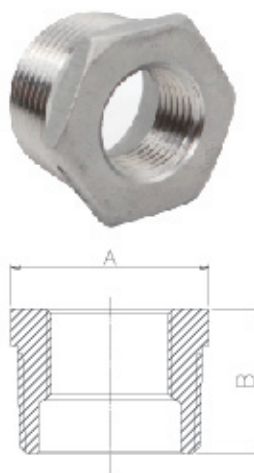


Standard Pattern Stainless Steel Fittings



LOCK NUT

Size	1/8	1/4	3/8	1/2	3/4	1
A(mm)	14.0	21.8	26.8	31.8	35.8	45.8
B(mm)	6.0	7.0	8.0	9.3	9.5	10.0
Size	1 1/4	1 1/2	2			
A(mm)	55.0	60.0	74.5			
B(mm)	11.0	12.0	13.0			



HEX BUSHING

Size	1/4*1/8	3/8*1/8	3/8*1/4	1/2*1/8	1/2*1/4	1/2*3/8
A(mm)	16.8	20.8	20.8	22.8	22.8	22.8
B(mm)	18.2	19.0	19.0	22.0	22.0	22.0
Size	3/4*1/4	3/4*3/8	3/4*1/2	1*3/8	1*1/2	1*3/4
A(mm)	27.7	27.7	27.7	35.2	35.2	35.2
B(mm)	24.0	24.0	24.0	25.0	25.0	25.0
Size	1 1/4*1/2	1 1/4*3/4	1 1/4*1	1 1/2*3/4	1 1/2*1	1 1/2*1 1/4
A(mm)	43.7	43.7	43.7	49.3	49.3	49.3
B(mm)	30.0	30.0	30.0	30.3	30.3	30.3
Size	2*3/4	2*1	2*1 1/4	2*1 1/2		
A(mm)	61.0	61.0	61.0	61.0		
B(mm)	32.4	32.4	32.4	32.4		



REDUCING COUPLING



Size	1/4*1/8	3/8*1/8	3/8*1/4	1/2*1/4	1/2*3/8	3/4*1/4
φA(mm)	17.6	21.6	21.6	26.2	26.2	32.3
B(mm)	24.0	24.0	28.0	30.3	30.3	31.5
Size	3/4*3/8	3/4*1/2	1*3/8	1*1/2	1*3/4	1 1/4*1/2
φA(mm)	32.3	32.3	39.7	39.7	39.7	48.6
B(mm)	31.5	33.8	34.5	36.8	38.0	38.3
Size	1 1/4*3/4	1 1/4*1	1 1/2*1/2	1 1/2*3/4	1 1/2*1	1 1/2*1 1/4
φA(mm)	48.6	48.6	56.0	56.0	56.0	56.0
B(mm)	39.5	42.5	38.3	39.5	42.5	44.0
Size	2*3/4	2*1	2*1 1/4	2*1 1/2		
φA(mm)	68.0	68.0	68.0	68.0		
B(mm)	43.0	46.0	47.5	47.5		



Stainless Steel Pipe Nipples



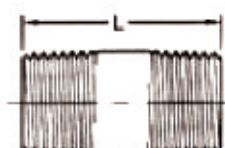
Plain End



Bevel End



Close Nipple



Short Nipple



Long Nipple

PIPE NIPPLES THREADED

Size		1/8	1/4	3/8	1/2	3/4
L	Close Nipple	3/4	7/8	1	1-1/8	1-3/8
	Short Nipple	1-1/2	1-1/2	1-1/2	1-1/2	2
	Long Nipple	2~12	2~12	2~12	2~12	2~12~12
Plain End Weight (kg/m)	Sch40/STD	0.37	0.63	0.84	1.27	1.69
	Sch80/XS	0.47	0.80	1.10	1.62	2.20
	Sch160	/	/	/	1.95	2.90
	XXS	/	/	/	2.55	3.64
Size		1	1 1/4	1 1/2	2	2 1/2
L	Close Nipple	1-1/2	1-5/8	1-3/4	2	2-1/2
	Short Nipple	2	2-1/2	2-1/2	2-1/2	3
	Long Nipple	2-12~12	3~12	3~12	3~12	3-12~12
Plain End Weight (kg/m)	Sch40/STD	2.50	3.39	4.05	5.44	8.63
	Sch80/XS	3.24	4.47	5.41	7.48	11.41
	Sch160	4.24	5.61	7.25	11.11	14.92
	XXS	5.45	7.77	9.55	13.44	20.39
Size		3	3 1/2	4	5	6
L	Close Nipple	2-5/8	2-3/4	2-7/8	3	3-1/8
	Short Nipple	3	4	4	4-1/2	4 1/2
	Long Nipple	3-12~12	4-12~12	4-12~12	5~12	5~12
Plain End Weight (kg/m)	Sch40/STD	11.29	13.57	16.08	21.77	28.26
	Sch80/XS	15.27	18.64	22.32	30.97	42.56
	Sch160	21.35	/	33.54	49.12	67.57
	XXS	27.68	/	41.03	57.43	79.22

