

# JIS G3459 WELDED PIPES

## STANDARD DIMENSIONS AND WEIGHT WELDED STAINLESS STEEL PIPE (JIS G3459)

kg/m ( approximated)

Outside Diameter		SCH-5S			SCH-10S			SCH-20S			SCH-40S		
(inch N.B)	(mm)	Wall Thickness (mm)	304/L	316/L	Wall Thickness (mm)	304/L	316/L	Wall Thickness (mm)	304/L	316/L	Wall Thickness (mm)	304/L	316/L
1/4	13.80	1.20	0.377	0.379	1.65	0.499	0.503	2.00	0.588	0.592	2.20	0.636	0.640
3/8	17.30	1.20	0.481	0.484	1.65	0.643	0.647	2.00	0.762	0.767	2.30	0.859	0.865
1/2	20.40	1.65	0.771	0.776	2.00	0.917	0.933	2.50	1.11	1.12	2.80	1.23	1.24
1/2	21.70	1.65	0.824	0.829	2.10	1.030	1.030	2.50	1.20	1.20	2.80	1.32	1.33
3/4	26.40	1.65	1.020	1.020	2.00	1.220	1.220	2.50	1.49	1.50	2.90	1.70	1.71
3/4	27.20	1.65	1.050	1.060	2.10	1.310	1.320	2.50	1.54	1.55	2.90	1.76	1.77
1"	33.40	1.65	1.300	1.310	2.80	2.130	2.150	3.00	2.27	2.29	3.40	2.54	2.56
1"	34.00	1.65	1.330	1.340	2.80	2.180	2.190	3.00	2.32	2.33	3.40	2.59	2.61
1 1/4	42.70	1.65	1.690	1.700	2.80	2.780	2.800	3.00	2.94	2.99	3.60	3.51	3.53
1 1/2	48.60	1.65	1.930	1.940	2.80	3.190	3.210	3.00	3.41	3.43	3.70	4.14	4.16
2"	60.50	1.65	2.420	2.430	2.80	4.020	4.050	3.50	4.97	5.00	3.90	5.50	5.53
2 1/2	76.30	2.10	3.880	3.910	3.00	5.480	5.510	3.50	6.35	6.39	5.20	9.21	9.27
3"	89.10	2.10	4.550	4.580	3.00	6.430	6.480	4.00	8.48	8.53	5.50	11.5	11.5
3 1/2	101.60	2.10	5.200	5.240	3.00	7.370	7.420	4.00	9.72	9.79	5.70	13.6	13.7
4"	114.30	2.10	5.870	5.910	3.00	8.320	8.370	4.00	11.0	11.1	6.00	16.2	16.3
5"	139.80	2.80	9.560	9.620	3.40	11.60	11.60	5.00	16.8	16.9	6.60	21.9	22.0
6"	165.20	2.80	11.30	11.40	3.40	13.70	13.80	5.00	20.0	20.1	7.10	28.0	28.1
8"	216.30	2.80	14.90	15.00	4.00	21.20	21.30	6.50	34.2	34.2	8.20	42.5	42.8
10"	267.40	3.40	22.40	22.50	4.00	26.20	26.40	6.50	42.2	42.5	9.30	59.8	60.2
12"	318.50	4.00	31.30	31.50	4.50	35.20	35.40	6.50	50.5	50.8	10.30	79.1	79.6

## TOLERANCE

### STAINLESS STEEL PIPE (ASTM A312/ JIS G3459)

ASTM A312				
Outside Diameter		Thickness	Length	
> 48.6mm	≤ 48.6mm	+ 0.040mm~0.080mm	Nominal Thickness ± 12.5%	+ 6.0mm - 0mm
> 114.3mm	≤ 114.3mm	± 0.80mm		
> 219.08mm	≤ 219.08mm	+ 1.60mm~0.080mm		
> 457.2mm	≤ 457.2mm	+ 2.40mm~0.080mm		
> 660.4mm	≤ 660.4mm	+ 3.20mm~0.080mm		
> 863.6mm	≤ 863.6mm	+ 4.00mm~0.080mm		
> 863.6mm		+ 4.80mm~0.080mm		
JIS G3459				
Outside Diameter		Thickness		Length
≥ 30.0mm		± 1%	≥ 2mm ± 10%	Definite Cut Lengths

