



CORROSION RESISTANT MATERIALS AND SOLUTIONS

STAINLESS STEEL PRODUCTS

PIPE, FITTINGS, VALVES & FLANGES

www.nde.co.za

THE NDE SOLUTION - QUALITY • INTEGRITY • FAIR PRICING • SERVICE • ACCESSIBILITY • EXPERTISE

INTRODUCTION

NDE, a privately-owned company and respected player in the South African **stainless steel industry**, is one of the largest **stockists and distributors of stainless steel products** in South Africa. NDE also stocks several aluminium products in our extensive product range

The company works closely with customers and suppliers to ensure ongoing satisfaction and **build long-term relationships**, with in-depth **technical support and advice**.

Head office and all seven branches have ISO 9001 accreditation. This catalogue is available in print form and online on NDE's website (www.nde.co.za).

Specialist products not listed can be sourced from NDE's many suppliers worldwide. Please contact our branches for details of NDE's regional-specific stock holding.

All orders are promptly processed for delivery, walk-in and collection customers. Deliveries are made within a wide radius of branches as well as into Africa.



Most of the products listed here are carried in stock in branches depending on local needs, or are available on a fast turnaround of 1 – 3 days.



CORROSION RESISTANT MATERIALS AND SOLUTIONS

STAINLESS STEEL PIPE - WELDED AND SEAMLESS

ASTM A312M / ASTM 790M

Grades 304/304L, 316/316L, 2205

Nominal Pipe Size		Outside Diameter (mm)	Wall Thickness (mm)					
			SCH 10S		SCH 40S		SCH 80S	
NB	Inches		WT (mm)	Weight (kg/m)	WT (mm)	Weight (kg/m)	WT (mm)	Weight (kg/m)
6	¼	10.3	1.24	0.28	1.73	0.37	2.41	0.48
8	¼	13.7	1.65	0.50	2.24	0.65	3.02	0.81
10	¾	17.2	1.65	0.64	2.31	0.86	3.2	1.12
15	½	21.3	2.11	1.02	2.77	1.29	3.73	1.65
20	¾	26.7	2.11	1.30	2.87	1.71	3.91	2.23
25	1	33.4	2.77	2.13	3.38	2.55	4.55	3.29
32	1¼	42.2	2.77	2.74	3.56	3.45	4.85	4.54
40	1½	48.3	2.77	3.16	3.68	4.12	5.08	5.51
50	2	60.3	2.77	4.00	3.91	5.54	5.54	7.62
65	2½	73.0	3.05	5.36	5.16	8.79	7.01	11.62
80	3	88.9	3.05	6.57	5.49	11.49	7.62	15.55
100	4	114.3	3.05	8.52	6.02	16.36	8.56	22.72
125	5	141.3	3.4	11.77	6.55	22.15	9.53	31.52
150	6	168.3	3.4	14.07	7.11	28.76	10.97	43.31
200	8	219.1	3.76	20.32	8.18	43.30	12.7	65.79
250	10	273.1	4.19	28.28	9.27	61.38	12.7	82.99
300	12	323.9	4.57	36.62	9.53	75.19	12.7	99.19
350	14	355.6	4.78	42.09	9.53	82.78	12.7	109.31
400	16	406.4	4.78	48.19	9.53	94.93	12.7	125.50
450	18	457.2	4.78	54.28	9.53	107.08	12.7	141.69
500	20	508.0	5.54	69.87	9.53	119.24	12.7	157.89
600	24	609.6	6.35	96.15	9.53	143.54	12.7	190.27

- Note:**
- Stainless steel pipe nominal dimensions listed in the table are based on ASTM A312M and ASME B36.19M.
 - These dimensions are nominal - substantial tolerances apply - refer to the ASTM and ASME standards for details.
 - For other wall thicknesses and sizes please consult ASME B36.10M; stainless steel pipe may be available to these carbon pipe sizes.



STAINLESS STEEL FLANGES

We stock the following flanges:

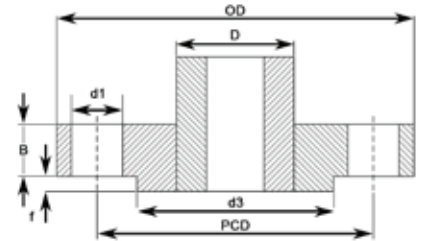
- ANSI / ASME B16.5 - 150#
- EN1092-1 PN16
- SANS1123 - 1000/3
- Table D/BS10



For the supply of various other types and grades of flanges, please consult our sales team at the NDE branch nearest to you.

While every care has been taken to ensure the accuracy of this brochure, NDE cannot accept responsibility for any errors.

FLANGE TABLES



15 mm Nominal Bore (1/2") - Pipe OD 21.34mm

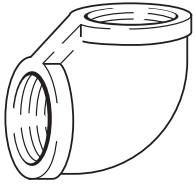
Standard	Class/Table	Flange OD	Flange Thickness (B)	Raised Face Dia.(d3)	Raised Face Height	No. Holes	Hole Dia (d1)	Bolt Size	PCD	Mass Kg
EN1092 BS 4504	PN 6	80.0	12.0	40.0	2.0	4	11.0	M10	55.0	0.4
	PN 10	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.6
	PN 16	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.6
	PN 25	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.7
	PN 40	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.7
SABS 1123	600/3	80.0	10.0	40.0	2.0	4	11.0	M10	55.0	0.3
	1000/3	95.0	10.0	45.0	2.0	4	14.0	M12	65.0	0.4
	1600/3	95.0	10.0	45.0	2.0	4	14.0	M12	65.0	0.4
	2500/3	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.6
	4000/3	95.0	14.0	45.0	2.0	4	14.0	M12	65.0	0.6
BS 10	D	95.3	4.8			4	14.3	12.7	66.7	0.7
	E	95.3	6.3			4	14.3	12.7	66.7	0.7
	F	95.3	9.5			4	14.3	12.7	66.7	0.7
ASME B16.5	150	88.9	11.1	34.9	1.6	4	15.9	1/2"	60.3	0.3
	300	95.2	14.3	34.9	1.6	4	15.9	1/2"	66.7	0.6
	600	95.2	20.6	34.9	6.4	4	15.9	1/2"	34.9	

20 mm Nominal Bore (3/4") - Pipe OD 26.67mm

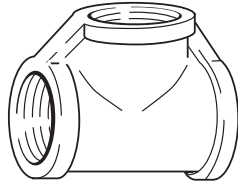
Standard	Class/Table	Flange OD	Flange Thickness (B)	Raised Face Dia.(d3)	Raised Face Height	No. Holes	Hole Dia (d1)	Bolt Size	PCD	Mass Kg
EN1092 BS 4504	PN 6	90.0	14.0	50.0	2.0	4	11.0	M10	65.0	0.5
	PN 10	105.0	16.0	58.0	2.0	4	14.0	M12	75.0	0.9
	PN 16	105.0	16.0	58.0	2.0	4	14.0	M12	75.0	0.9
	PN 25	105.0	16.0	58.0	2.0	4	14.0	M12	75.0	1.0
	PN 40	105.0	16.0	58.0	2.0	4	14.0	M12	75.0	1.0
SABS 1123	600/3	90.0	10.0	50.0	2.0	4	11.0	M10	65.0	0.4
	1000/3	105.0	10.0	58.0	2.0	4	14.0	M12	75.0	0.5
	1600/3	105.0	10.0	58.0	2.0	4	14.0	M12	75.0	0.5
	2500/3	105.0	14.0	58.0	2.0	4	14.0	M12	75.0	0.8
	4000/3	105.0	14.0	58.0	2.0	4	14.0	M12	75.0	0.8
BS 10	D	101.6	4.8			4.0	14.2	12.7	73.0	0.8
	E	101.6	6.3			4.0	14.2	12.7	73.0	0.8
	F	101.6	9.5			4.0	14.2	12.7	73.0	0.8
ASME B16.5	150	98.4	12.7	42.9	1.6	4.0	15.9	1/2"	69.8	0.6
	300	117.5	15.9	42.9	1.6	4.0	19.1	5/8"	82.5	1.1
	600	117.5	22.2	42.9	6.4	4.0	19.1	5/8"	82.5	

STAINLESS STEEL BSP SCREWED FITTINGS

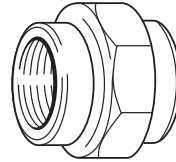
Grade 316L



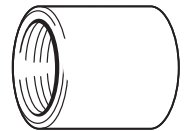
90° Elbow



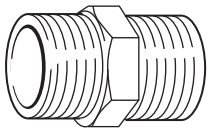
Equal Tee



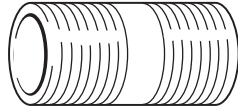
Union



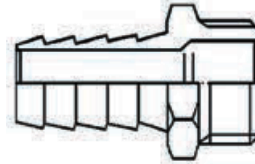
Socket



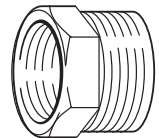
Hexagon Nipple



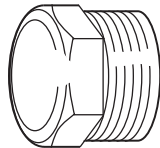
Barrel Nipple



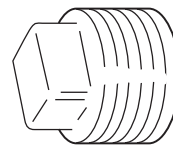
Swage/Hose Nipple



Reducing Bush



Hexagon Head Plug



Square Head Plug

For the supply of 3 000 lb screwed and socket fittings, please consult our sales team at the NDE branch nearest to you.

GAUTENG: Johannesburg - 011 472 1659 | **Germiston** - 010 005 0001 | **Pretoria** - 010 005 0012 | **HEAD OFFICE** - 011 791 0630

WESTERN CAPE: Cape Town - 021 550 6800

KWAZULU-NATAL: Durban - 031 700 5444

EASTERN CAPE: Gqeberha - 041 453 4548

MPUMALANGA: Nelspruit (Agency) - 087 654 1528

