



ENTC

ENTC for Investment &
Trading

**Manufacture of
Flanges**

General Catalogue

About Us

ENTC for Investment & Trading

- *ENTC, established on 2000 from more than 18 years in the Egyptian market.*
- *The founder is Dr. Abdel Hamid Nour and his wife, They has their Owen vision in the Egyptian market.*
- The company is started with trading branch in many years in valves products for :
 1. HVAC
 2. Drinking water
 3. Infrastructure

About Us

ENTC for Investment & Trading

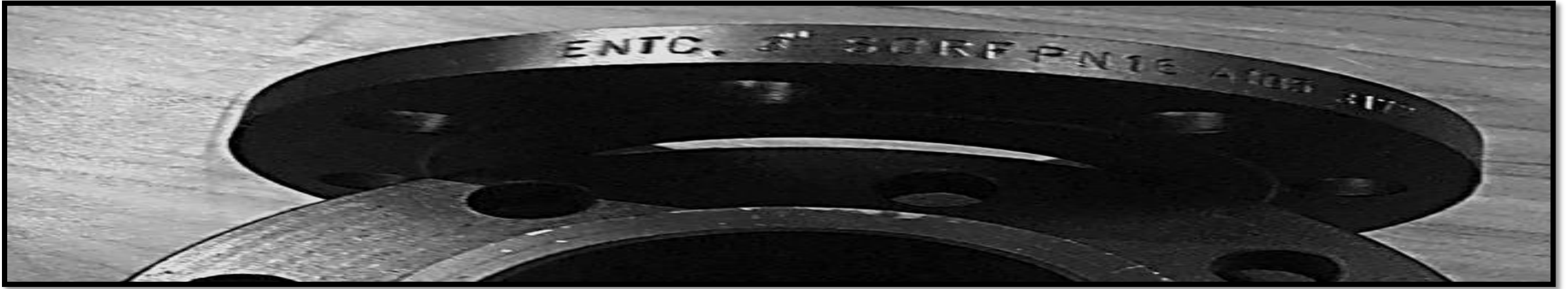
- *ENTC achieve good success in the valve market in Egypt and become one of big valve trading companies in Egypt.*
- *In 2018 and Parallel of the governmental plan in Egypt which support all type of industries, ENTC decide to start manufacturing of Flanges (Slep on, Flat and Threaded nick)*

Iron Flanges



ENTC start to manufacturing three type of flanges in Egypt according to :

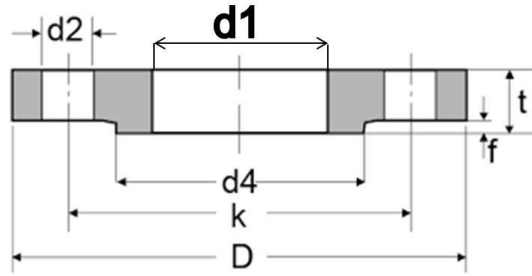
- **Egyptian Code**
- **Europe Code**
- **American Code**



FLANGES

Type of Flanges	Sizes	Class
Flat FLANGES	DN65-DN1000	PN 16 / CLASS 150
THREADED FLANGES	DN65-DN1000	PN 16 / CLASS 150
SLIP ON FLANGES	DN65-DN1000	PN 16 / CLASS150

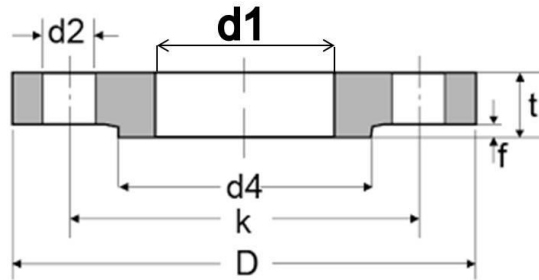
Flat Flanges Dimensions (PN 16)



BS4504 PN16 Flat Flanges:

<u>Size</u>	<u>d1</u>	<u>D</u>	<u>t</u>	<u>k</u>	<u>Raised Face Diameter</u>		<u>Number of Bolts</u>	<u>d2</u>
					<u>d4</u>	<u>f</u>		
10-3/8"	17.2 mm	90 mm	14 mm	60 mm	40	2	4	14 mm
15 - 1/2"	21.3 mm	95 mm	14 mm	65 mm	45	2	4	14 mm
20 - 3/4"	26.9 mm	105 mm	16 mm	75 mm	58	2	4	14 mm
25 - 1"	33.7 mm	115 mm	16 mm	85 mm	68	2	4	14 mm
32 - 1-1/4"	42.4 mm	140 mm	16 mm	100 mm	78	2	4	18 mm
40 - 1-1/2"	48.3 mm	150 mm	16 mm	110 mm	88	3	4	18 mm
50 - 2"	60.3 mm	165 mm	18 mm	125 mm	102	3	4	18 mm
65 - 2-1/2"	76.1 mm	185 mm	18 mm	145 mm	122	3	4	18 mm
80 - 3"	88.9 mm	200 mm	20 mm	160 mm	138	3	8	18 mm
100 - 4"	114.3 mm	220 mm	20 mm	180 mm	158	3	8	18 mm

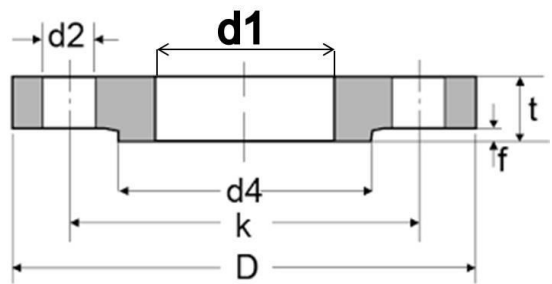
Flat Flanges Dimensions (PN16)



BS4504 PN16 Flat Flanges:

Size	d1	D	t	k	Raised Face Diameter		Number of Bolts	d2
					d4	f		
125 - 5"	139.7 mm	250 mm	22 mm	210 mm	188	3	8	18 mm
150 - 6"	170.5 mm	285 mm	22 mm	240 mm	212	3	8	18 mm
175 - 7"	196.1 mm	315 mm	24 mm	270 mm	242	3	8	18 mm
200 - 8"	219.1 mm	340 mm	24 mm	295 mm	268	3	12	22 mm
250 - 10"	273 mm	405 mm	26 mm	355 mm	320	3	12	26 mm
300 - 12"	323.9 mm	460 mm	28 mm	410 mm	378	4	12	26 mm
350 - 14"	355.6 mm	520 mm	30 mm	470 mm	438	4	16	26 mm
400 - 16"	406.4 mm	580 mm	32 mm	525 mm	490	4	16	30 mm
450 - 18"	457 mm	640 mm	34 mm	585 mm	550	4	20	30 mm
500 - 20"	508 mm	715 mm	34 mm	650 mm	610	4	20	33 mm

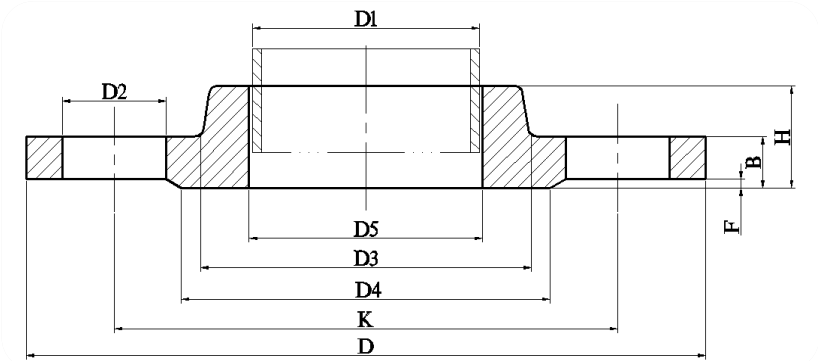
Flat Flanges Dimensions (PN16)



BS4504 PN16 Flat Flanges:

<u>Size</u>	d1	<u>D</u>	<u>t</u>	<u>k</u>	<u>Raised Face Diameter</u>		<u>Number of Bolts</u>	<u>d2</u>
					<u>d4</u>	<u>f</u>		
600 - 24"	610 mm	840 mm	36 mm	770 mm	725	5	20	36 mm
700 - 28"	711 mm	910 mm	36 mm	840 mm	795	5	24	36 mm
800 - 32"	813 mm	1025 mm	38 mm	950 mm	900	5	24	39 mm
900 - 36"	914 mm	1125 mm	40 mm	1050 mm	1000	5	28	39 mm
1000 - 40"	1016 mm	1155 mm	42 mm	1170 mm	1115	5	28	42 mm

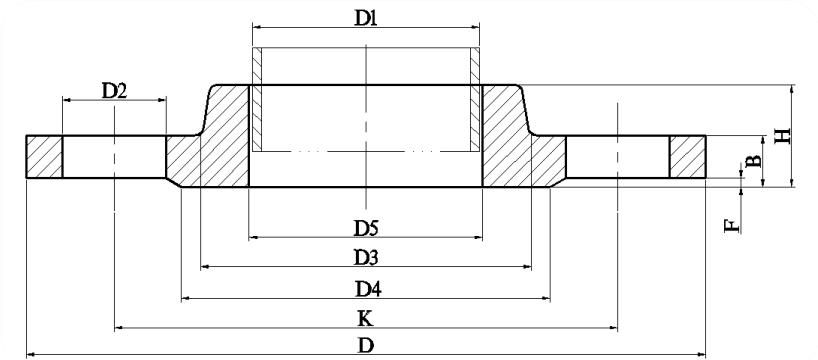
Slip On Flanges Dimensions (PN16)



BS4504 PN16 Slip ON Flanges:

Size	D1	D	D5	B	K	H	D3	r	Raised Face Diameter		Number of Bolts	D2
									D4	F		
10-3/8"	17.2 mm	90 mm	17.7 mm	14 mm	60 mm	20 mm	30 mm	4	40	2	4	14 mm
15 - 1/2"	21.3 mm	95 mm	22 mm	14 mm	65 mm	20 mm	35 mm	4	45	2	4	14 mm
20 - 3/4"	26.9 mm	105 mm	27.6 mm	16 mm	75 mm	24 mm	45 mm	4	58	2	4	14 mm
25 - 1"	33.7 mm	115 mm	34.4 mm	16 mm	85 mm	24 mm	52 mm	5	68	2	4	14 mm
32 – 1.25"	42.4 mm	140 mm	43.1 mm	16 mm	100 mm	26 mm	60 mm	5	78	2	4	18 mm
40 – 1.5"	48.3 mm	150 mm	49 mm	16 mm	110 mm	26 mm	70 mm	5	88	3	4	18 mm
50 - 2"	60.3 mm	165 mm	61.1 mm	18 mm	125 mm	28 mm	85 mm	5	102	3	4	18 mm
65 – 2.5"	76.1 mm	185 mm	77.1 mm	18 mm	145 mm	32 mm	105 mm	5	122	3	4	18 mm

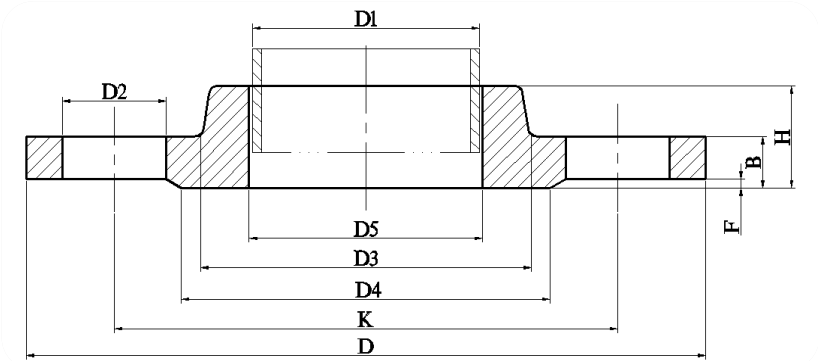
Slip On Flanges Dimensions (PN 16)



BS4504 PN16 Slip ON Flanges:

Size	D1	D	D5	B	K	H	D3	r	Raised Face Diameter		Number of Bolts	D2
									D4	F		
80 - 3"	88.9 mm	200 mm	90.3 mm	20 mm	160 mm	34 mm	118 mm	5	138	3	8	18 mm
100 - 4"	114.3 mm	220 mm	115.9 mm	20 mm	180 mm	38 mm	140 mm	5	158	3	8	18 mm
125 - 5"	139.7 mm	250 mm	141.5 mm	22 mm	210 mm	40 mm	168 mm	5	188	3	8	18 mm
150 - 6"	170.5 mm	285 mm	170.5 mm	22 mm	240 mm	44 mm	195 mm	5	212	3	8	18 mm
175 - 7"	196.1 mm	315 mm	196.1 mm	24 mm	270 mm	44 mm	224 mm	6	242	3	8	18 mm
200 - 8"	219.1 mm	340 mm	222 mm	24 mm	295 mm	44 mm	247 mm	6	268	3	12	22 mm
250 - 10"	273 mm	405 mm	276 mm	26 mm	355 mm	46 mm	300 mm	6	320	3	12	26 mm

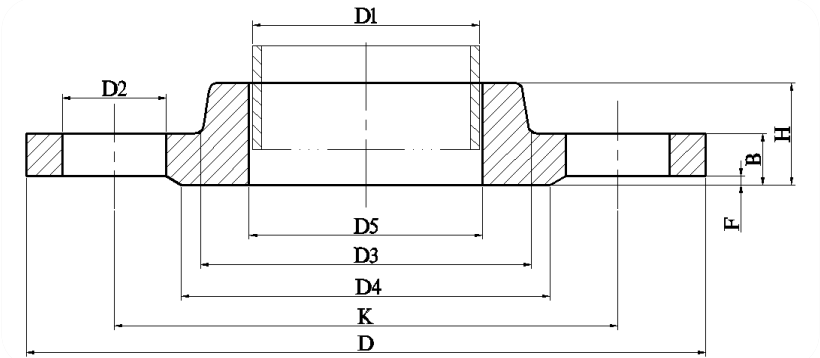
Slip On Flanges Dimensions (PN 16)



BS4504 PN16 Slip ON Flanges:

Size	D1	D	D5	B	K	H	D3	r	Raised Face Diameter		Number of Bolts	D2
									D4	F		
300 - 12"	323.9 mm	460 mm	327 mm	28 mm	410 mm	46 mm	355 mm	6	378	4	12	26 mm
350 - 14"	355.6 mm	520 mm	359 mm	30 mm	470 mm	57 mm	400 mm	10	438	4	16	26 mm
400 - 16"	406.4 mm	580 mm	410 mm	32 mm	525 mm	63 mm	457 mm	10	490	4	16	30 mm
450 - 18"	457 mm	640 mm	461 mm	34 mm	585 mm	68 mm	505 mm	10	550	4	20	30 mm
500 - 20"	508 mm	715 mm	512 mm	34 mm	650 mm	73 mm	559 mm	10	610	4	20	33 mm
600 - 24"	610 mm	840 mm	614 mm	36 mm	770 mm	83 mm	664 mm	10	725	5	20	36 mm
700 - 28"	711 mm	910 mm	716 mm	36 mm	840 mm	83 mm	760 mm	10	795	5	24	36 mm

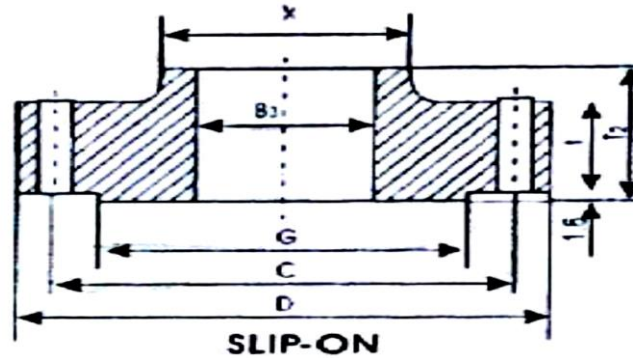
Slip On Flanges Dimensions (PN16)



BS4504 PN16 Slip ON Flanges:

Size	D1	D	D5	B	K	H	D3	r	Raised Face Diameter		Number of Bolts	D2
									D4	F		
800 - 32"	813 mm	1025 mm	818 mm	38 mm	950 mm	90 mm	864 mm	10	900	5	24	39 mm
900 - 36"	914 mm	1125 mm	920 mm	40 mm	1050 mm	94 mm	969 mm	10	1000	5	28	39 mm
1000 - 40"	1016 mm	1155 mm	1022 mm	42 mm	1170 mm	100 mm	1073 mm	10	1115	5	28	42 mm

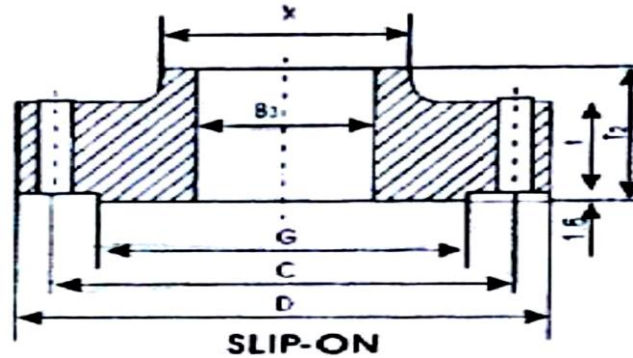
Slip On Flanges Dimension (Class 150)



ANSI B16.5 Slip ON Flanges:

<u>Size</u>	<u>Outside Diam. (D)</u>	<u>Thick- ness (t)</u>	<u>O.D of Raised Face (G)</u>	<u>Diam. At Base Hub (X)</u>	<u>Bore (B2)</u>	<u>Length Thru Hub (T2)</u>
15 - 1/2"	88.9	11.2	35.1	30.2	22.4	15.7
20 - 3/4"	98.6	12.7	42.9	38.1	27.7	15.7
25 - 1"	108	14.2	50.6	49.3	34.5	17.5
32 – 1.25"	117.4	15.7	63.5	58.7	43.2	20.6
40 – 1.5"	127	17.5	73.2	65	49.5	22.4
50 - 2"	152.4	19.1	91.9	77.7	62	25.4
65 – 2.5"	177.8	22.4	111.8	90.4	74.7	28.4

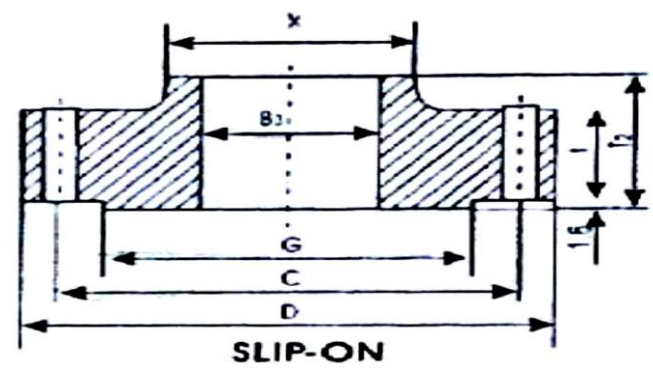
Slip On Flanges Dimensions (Class 150)



ANSI B16.5 Slip ON Flanges:

<u>Size</u>	<u>Outside Diam. (D)</u>	<u>Thick- ness (t)</u>	<u>O.D of Raised Face (G)</u>	<u>Diam. At Base Hub (X)</u>	<u>Bore (B2)</u>	<u>Length Thru Hub (T2)</u>
80 - 3"	190.5	23.9	127	108	90.7	30.2
87.5-3.5"	215.9	23.9	139.7	122.2	103.4	31.8
100 - 4"	228.6	23.9	157.2	134.9	116.1	33.3
125 - 5"	254.8	23.9	165.7	163.6	143.8	36.6
150 - 6"	279.4	25.4	215.9	192	170.7	39.6
200 - 8"	342.9	28.4	269.7	246.1	221.5	44.5
250 - 10"	406.4	30.2	323.9	304.8	276.4	49.3

Slip On Flanges Dimensions (Class 150)



ANSI B16.5 Slip ON Flanges:

<u>Size</u>	<u>Outside Diam. (D)</u>	<u>Thcek- ness (t)</u>	<u>O.D of Raised Face (G)</u>	<u>Diam. At Base Hub (X)</u>	<u>Bore (B2)</u>	<u>Length Thru Hub (T2)</u>
300 - 12"	482.6	31.8	382	365.3	327.2	55.6
350 - 14"	533.4	35.1	412.8	400.1	359.2	57.2
400 - 16"	585.9	36.6	469.9	457.2	410.5	63.5
450 - 18"	635	39.6	533.4	505	461.8	68.3
500 - 20"	698.6	42.9	584.2	558.8	513.1	73.2
600 - 24"	812.8	47.8	692.2	663.4	616	82.6

Type of Flanges

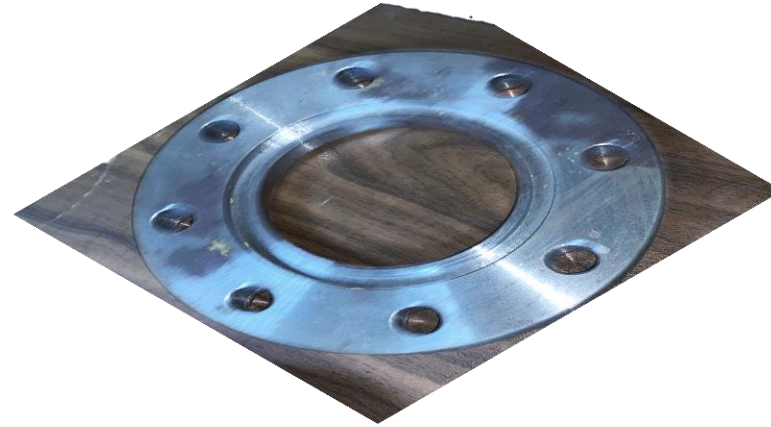
- Slip On
- Flat
- Threaded

Size and Pressure Class:

-DN 65 – DN1000 / PN 16 OR Class 150

Material:

- Body : Iron
Stainless Steel





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Contact US.



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