

# 150LB

\_\_\_\_\_ : ISO4144&SP114  
 \_\_\_\_\_ : ASTM A351/CF8/CF8M(304&316)  
 \_\_\_\_\_ : DIN EN ISO228 G ASME/ANSI B1.20.1 NPT DIN EN10226-1 ISO7-1)  
 \_\_\_\_\_ Class150/10-20 bar



Inch	mm	90	45	90	45			
1/8"	6							
1/4"	8							
3/8"	10							
1/2"	15							
3/4"	20							
1"	25							
1 1/4"	32							
1 1/2"	40							
2"	50							
2 1/2"	65							
3"	80							
4"	100							



Inch	mm							
1/8"	6							
1/4"	8							
3/8"	10							
1/2"	15							
3/4"	20							
1"	25							
1 1/4"	32							
1 1/2"	40							
2"	50							
2 1/2"	65							
3"	80							
4"	100							



Inch	mm							Y
1/8"	6							
1/4"	8							
3/8"	10							
1/2"	15							
3/4"	20							
1"	25							
1 1/4"	32							
1 1/2"	40							
2"	50							
2 1/2"	65							
3"	80							
4"	100							



Inch	mm	90				
1/4" * 1/8"	8*6					
3/8" * 1/8"	10*6					
3/8" * 1/4"	10*8					
1/2" * 1/4"	15*8					
1/2" * 3/8"	15*10					
3/4" * 3/8"	20*10					
3/4" * 1/2"	20*15					
1" * 1/2"	25*15					
1" * 3/4"	25*20					
1 1/4" * 3/4"	32*20					
1 1/4" * 1"	32*25					
1 1/2" * 1"	40*25					
1 1/2" * 1 1/4"	40*32					
2" * 1 1/4"	50*32					
2" * 1 1/2"	50*40					
2 1/2" * 1 1/2"	65*40					
2 1/2" * 2"	65*50					
3" * 2"	80*50					
3" * 2 1/2"	80*65					
4" * 2 1/2"	100*65					
4" * 3"	100*80					



Inch	mm			
1/8" * 1/8"	6 * 6			
1/4" * 1/8"	8 * 6			
1/4" * 1/4"	8 * 8			
3/8" * 1/8"	10 * 6			
3/8" * 1/4"	10 * 8			
3/8" * 3/8"	10 * 10			
3/8" * 1/2"	10 * 15			
1/2" * 1/4"	15 * 8			
1/2" * 3/8"	15 * 10			
1/2" * 1/2"	15 * 15			
1/2" * 3/4"	15 * 20			
3/4" * 3/8"	20 * 10			
3/4" * 1/2"	20 * 15			
3/4" * 3/4"	20 * 20			
3/4" * 1"	20 * 25			
1" * 1/2"	25 * 15			
1" * 3/4"	25 * 20			
1" * 1"	25 * 25			
1" * 1 1/2"	25 * 40			
1 1/4" * 3/4"	32 * 20			
1 1/4" * 1"	32 * 25			
1 1/4" * 1 1/4"	32 * 32			
1 1/4" * 1 1/2"	32 * 40			
1 1/2" * 1"	40 * 25			
1 1/2" * 1 1/4"	40 * 32			
1 1/2" * 1 1/2"	40 * 40			
2" * 1"	50 * 25			
2" * 1 1/4"	50 * 32			
2" * 1 1/2"	50 * 40			
2" * 2"	50 * 50			
2 1/2" * 1 1/2"	65 * 40			
2 1/2" * 2"	65 * 50			
2 1/2" * 2 1/2"	65 * 65			
3" * 2"	80 * 50			
3" * 2 1/2"	80 * 65			
3" * 3"	80 * 80			
4" * 2 1/2"	100 * 65			
4" * 3"	100 * 80			
4" * 4"	100 * 100			

# 150LB

: EN10241( / )

—SCH20&SCH40

—SCH40&SCH80

: ASTM A312/TP304&TP316L

: DIN EN ISO228 G ASME/ANSI B1.20.1 NPT DIN EN10226-1 ISO7-1)

: Class 150/10-20 bar



Inch	mm	LIGHT						MEDIUM						HEAVY					
		O.D		L		O.D		L		O.D		L		O.D		L			
1/8"	6	13.6	17	15.5	17	14	25.4	13.6	7.5	15.5	8	14	12.7						
1/4"	8	17.1	24	19	25	18.5	25.4	17.1	11	19	11	18.5	12.7						
3/8"	10	20.6	25	22	26	21.5	28.5	20.6	11.5	22	12	21.5	14.3						
1/2"	15	25.2	32	27.2	34	26.6	35.1	25.2	15	27.2	15	26.6	17.6						
3/4"	20	30.7	35	32.5	36	31.8	38.1	30.7	16.5	32.5	16	31.8	19.1						
1"	25	37.8	41	40	43	39.5	41.2	37.8	19.5	40	20	39.5	20.6						
1 1/4"	32	47.5	45	49	48	48.5	50.8	47.5	21.5	49	22	48.5	25.4						
1 1/2"	40	54	45	55.5	48	55	53.9	54	21.5	55.5	22	55	27						
2"	50	66.3	54	67.5	56	66.6	63.5	66.3	26	67.5	26	66.6	31.8						
2 1/2"	65	83	63	83	65	84.5	72.9	83	30.5	83	30	84.5	36.5						
3"	80	96.5	69	96.5	71	100.5	80.8	96.5	33.5	96.5	33	100.5	40.4						
4"	100	123	81	123	83	129.5	93.5	123	39.5	123	39	129.5	46.8						



Inch	mm	SCH20						SCH40							
		O.D		THK		L		O.D		THK		L			
1/8"	6					10.3	1.73	40					10.3	1.73	30
1/4"	8	13.72	2	40	13.72	2	40	13.72	2	30	13.72	2	30		
3/8"	10	17.15	2.1	40	17.15	2.1	40	17.15	2.1	30	17.15	2.1	30		
1/2"	15	21.34	2.5	60	21.34	2.5	60	21.34	2.5	35	21.34	2.5	35		
3/4"	20	26.67	2.5	60	26.67	2.5	60	26.67	2.5	40	26.67	2.5	40		
1"	25	33.4	3	60	33.4	3	60	33.4	3	40	33.4	3	40		
1 1/4"	32	42.16	3	80	42.16	3.2	80	42.16	3	50	42.16	3.2	50		
1 1/2"	40	48.26	3	80	48.26	3.3	80	48.26	3	50	48.26	3.3	50		
2"	50	60.33	3.5	100	60.33	3.5	100	60.33	3.5	50	60.33	3.5	50		
2 1/2"	65	76.3	3.5	100	76.3	4.6	100	76.3	3.5	60	76.3	4.6	60		
3"	80	88.9	4	120	88.9	5	120	88.9	4	70	88.9	5	70		
4"	100	114.3	4	150	114.3	5.5	150	114.3	4	80	114.3	5.5	80		
5"	125				141.3	6.5	150				141.3	6.5	96		
6"	150				168.3	6.55	150				168.3	6.55	96		



SCH40													
Inch	mm	SCH40		SCH80		L1	L2	L3	L4	L5	L6	L7	L8
		O.D	THK	O.D	THK	Close	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"
1/8"	6	10.3	1.73	10.3	2.2								
1/4"	8	13.72	2	13.72	2.7								
3/8"	10	17.15	2.1	17.15	2.9								
1/2"	15	21.34	2.5	21.34	3.3								
3/4"	20	26.67	2.5	26.67	3.5								
1"	25	33.4	3	33.4	4.1								
1 1/4"	32	42.16	3.2	42.16	4.3								
1 1/2"	40	48.26	3.3	48.26	4.5								
2"	50	60.33	3.5	60.33	5								
2 1/2"	65	73.03	4.6	73.03	6.3								
3"	80	88.9	5	88.9	6.8								
4"	100	114.3	5.5	114.3	7.6								
SCH40													
Inch	mm	SCH40		SCH80		L9	L10	L11	L12	L13	L14	L15	L16
		O.D	THK	O.D	THK	5"	5 1/2"	6"	7"	8"	9"	10"	11"
1/8"	6	10.3	1.73	10.3	2.2								
1/4"	8	13.72	2	13.72	2.7								
3/8"	10	17.15	2.1	17.15	2.9								
1/2"	15	21.34	2.5	21.34	3.3								
3/4"	20	26.67	2.5	26.67	3.5								
1"	25	33.4	3	33.4	4.1								
1 1/4"	32	42.16	3.2	42.16	4.3								
1 1/2"	40	48.26	3.3	48.26	4.5								
2"	50	60.33	3.5	60.33	5								
2 1/2"	65	73.03	4.6	73.03	6.3								
3"	80	88.9	5	88.9	6.8								
4"	100	114.3	5.5	114.3	7.6								
SCH40													
Inch	mm	SCH40		SCH80		L17	L18	L19	L20	L21	L22	L23	L24
		O.D	THK	O.D	THK	12"	18"	24"	36"	48"	60"	72"	120"
1/8"	6	10.3	1.73	10.3	2.2								
1/4"	8	13.72	2	13.72	2.7								
3/8"	10	17.15	2.1	17.15	2.9								
1/2"	15	21.34	2.5	21.34	3.3								
3/4"	20	26.67	2.5	26.67	3.5								
1"	25	33.4	3	33.4	4.1								
1 1/4"	32	42.16	3.2	42.16	4.3								
1 1/2"	40	48.26	3.3	48.26	4.5								
2"	50	60.33	3.5	60.33	5								
2 1/2"	65	73.03	4.6	73.03	6.3								
3"	80	88.9	5	88.9	6.8								
4"	100	114.3	5.5	114.3	7.6								





Inch	mm	SCH40		L1	L2	L3	L4	L5	L6	L7
		O.D	THK	1"	1 1/2"	2"	2 1/2"	3"	4"	6"
1/8"	6	10.3	1.73							
1/4"	8	13.72	2							
3/8"	10	17.15	2.1							
1/2"	15	21.34	2.5							
3/4"	20	26.67	2.5							
1"	25	33.4	3							
1 1/4"	32	42.16	3.2							
1 1/2"	40	48.26	3.3							
2"	50	60.33	3.5							
2 1/2"	65	73.03	4.6							
3"	80	88.9	5							
4"	100	114.3	5.5							

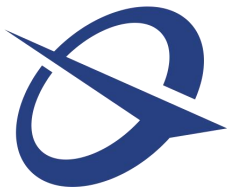



Inch	mm					
		O.D	L	O.D	L1	L2
1/4	8	13.72	66	13.72		
3/8	10	17.15	76	17.15		
1/2	15	21.34	86	21.34	152.4	304.8
3/4	20	26.67	100	26.67	152.4	304.8
1	25	33.4	114	33.4	152.4	304.8
1 1/4	32	42.16	114	42.16	152.4	304.8
1 1/2	40	48.26	122	48.26	152.4	304.8
2	50	60.33	130	60.33	152.4	304.8




TYPE A	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
8"	200				

TYPE B	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
8"	200				




TYPE C	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
	8"	200			


TYPE D	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
	8"	200			







**GRANDE-TEK  
FLOW CONTROL  
CO. LTD**

TYPE E	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
8"	200				

TYPE F	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
8"	200				

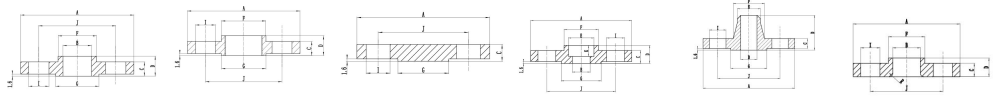


TYPE DC	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
	8"	200			

TYPE DP	Inch	mm	SS	AL	PP
	1/2"	15			
	3/4"	20			
	1"	25			
	1 1/4"	32			
	1 1/2"	40			
	2"	50			
	2 1/2"	65			
	3"	80			
	4"	100			
	5"	125			
	6"	150			
	8"	200			

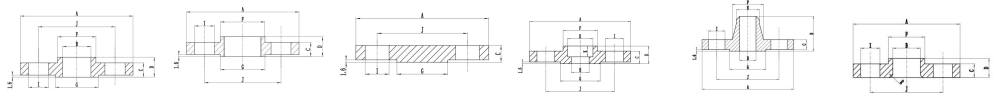


**ASME B16.5-ANSI150**



Inch	mm	ANSI 150	ANSI 150	ANSI 150	ANSI 150	ANSI 150	ANSI 150
1/2"	15						
3/4"	20						
1"	25						
1 1/4"	32						
1 1/2"	40						
2"	50						
2 1/2"	65						
3"	80						
4"	100						
5"	125						
6"	150						
8"	200						
10"	250						
12"	300						
14"	350						
16"	400						
18"	450						
20"	500						
24"	600						

**ASME B16.5-ANSI300**

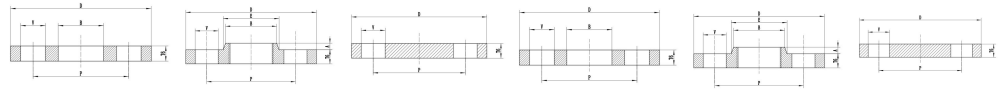


Inch	mm	ANSI 300	ANSI 300	ANSI 300	ANSI 300	ANSI 300	ANSI 300
1/2"	15						
3/4"	20						
1"	25						
1 1/4"	32						
1 1/2"	40						
2"	50						
2 1/2"	65						
3"	80						
4"	100						
5"	125						
6"	150						
8"	200						
10"	250						
12"	300						
14"	350						
16"	400						
18"	450						
20"	500						
24"	600						



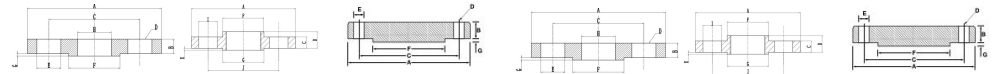
**GRANDE-TEK  
FLOW CONTROL  
CO. LTD**

AS 2129



Inch	mm	TABLE D	TABLE D	TABLE D	TABLE E	TABLE E	TABLE E
1/2"	15						
3/4"	20						
1"	25						
1 1/4"	32						
1 1/2"	40						
2"	50						
2 1/2"	65						
3"	80						
4"	100						
5"	125						
6"	150						
8"	200						
10"	250						
12"	300						
14"	350						
16"	400						
18"	450						
20"	500						
24"	600						

EN1092



Inch	mm	PN16	PN16	PN16	PN40	PN40	PN40
3/8"	10						
1/2"	15						
3/4"	20						
1"	25						
1 1/4"	32						
1 1/2"	40						
2"	50						
2 1/2"	65						
3"	80						
4"	100						
5"	125						
6"	150						
8"	200						
10"	250						
12"	300						
14"	350						
16"	400						
18"	450						
20"	500						
24"	600						