



**ELDRAKE
OILFIELD**

**FORGED
FITTINGS**

API B16.11 FITTINGS

Eldrake Oilfield Pvt. Ltd.

Address: Plot No. 282, Sector 24, Rohini, Delhi-11008

ELDRAKE OILFIELD

PRODUCT RANGE

CONTENT

1. Forged Fittings
2. NPT Fittings
3. BULL PLUG NPT



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Forged Fittings

3000LBS A105

ANGLE AND HALF SLEEVE SW A105

Rating: 3000LBS

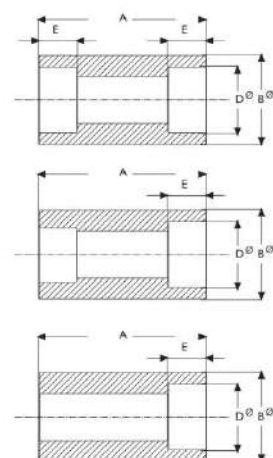
Especificaciones

Material Carbon steel **ASTM A105**
Normative NACE MR 0175



SLEEVE A105 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	25,5	22,0	14,0	9,5	0,050					
3/8"	28,5	25,5	17,5	11,0	0,060					
1/2"	35,0	31,5	21,7	12,5	0,130	35,0	38,0	21,7	12,5	0,23
3/4"	38,0	38,0	27,1	14,5	0,190	38,0	44,5	27,1	14,5	0,32
1"	44,5	44,5	33,8	16,0	0,260	44,5	57,0	33,8	16,0	0,64
1.1/4"	47,5	57,0	42,6	17,5	0,400	47,5	63,5	42,6	17,5	0,72
1.1/2"	51,0	63,5	48,7	19,0	0,570	51,0	76,0	48,7	19,0	1,17
2"	63,5	76,0	61,1	22,0	0,920	63,5	92,0	61,1	22,0	2,08
2.1/2"	66,5	92,0	73,8	23,5	1,400	66,5	108,0	73,8	23,5	2,80
3"	70,0	108,0	89,8	25,5	1,800	70,0	127,0	89,8	25,5	3,23
4"	76,0	140,0	115,4	28,5	3,230	76,0	159,0	115,4	28,5	6,22



15 / 5,000

HALF SLEEVE A105 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	25,5	22,0	14,0	9,5	0,050					
3/8"	28,5	25,5	17,5	11,0	0,060					
1/2"	35,0	31,5	21,7	12,5	0,130	35,0	38,0	21,7	12,5	0,23
3/4"	38,0	38,0	27,1	14,5	0,190	38,0	44,5	27,1	14,5	0,32
1"	44,5	44,5	33,8	16,0	0,260	44,5	57,0	33,8	16,0	0,64
1.1/4"	47,5	57,0	42,6	17,5	0,400	47,5	63,5	42,6	17,5	0,72
1.1/2"	51,0	63,5	48,7	19,0	0,570	51,0	76,0	48,7	19,0	1,17
2"	63,5	76,0	61,1	22,0	0,920	63,5	92,0	61,1	22,0	2,08
2.1/2"	66,5	92,0	73,8	23,5	1,400	66,5	108,0	73,8	23,5	2,80
3"	70,0	108,0	89,8	25,5	1,800	70,0	127,0	89,8	25,5	3,23
4"	76,0	140,0	115,4	28,5	3,230	76,0	159,0	115,4	28,5	6,22

Forged Fittings

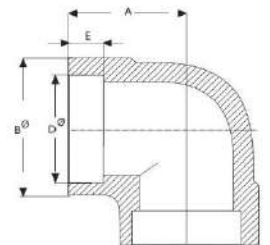
ELBOW 90° SW 3000LBS A105



ELBOW 90° SW		Rating: 3000LBS
Specification		
Material	Carbon steel ASTM A105	
Normative	NACE MR 0175	

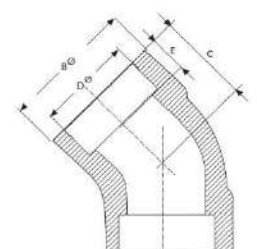
ELBOW 90° 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	24,6	25,5	14,0	9,5	0,050					
3/8"	24,6	25,5	17,5	11,0	0,060					
1/2"	28,5	33,5	21,7	12,5	0,130	35,0	38,0	21,7	12,5	0,230
3/4"	33,5	38,0	27,1	14,5	0,190	38,0	44,5	27,1	14,5	0,320
1"	38,0	46,0	33,8	16,0	0,260	44,5	57,0	33,8	16,0	0,640
1.1/4"	44,5	55,5	42,6	17,5	0,480	47,5	63,5	42,6	17,5	0,720
1.1/2"	51,0	62,0	48,7	19,0	0,570	51,0	76,0	48,7	19,0	1,170
2"	60,5	75,5	61,1	22,0	0,920	63,5	92,0	61,1	22,0	2,080
2.1/2"	75,0	92,0	73,8	23,5	1,400	86,5	108,0	73,8	23,5	2,800
3"	86,0	110,0	89,0	25,5	1,800	70,0	127,0	89,0	25,5	3,230
4"	114,5	152,5	115,4	28,5	3,230	76,0	159,0	115,4	28,5	6,220



ELBOW 45° 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	25,5	19,0	14,0	9,5	0,10					
3/8"	25,5	19,0	17,5	11,0	0,10					
1/2"	38,0	25,5	21,7	11,0	0,26	38,0	25,5	21,7	12,5	0,31
3/4"	38,0	25,5	27,1	12,5	0,25	46,0	28,5	27,1	14,5	0,52
1"	46,0	28,5	33,8	14,5	0,38	55,5	33,5	33,8	16,0	0,92
1.1/4"	55,5	33,5	42,6	16,0	0,61	62,0	35,0	42,6	14,5	1,02
1.1/2"	62,0	35,0	48,7	16,0	0,71	75,5	43,0	48,7	17,5	1,92
2"	75,5	43,0	61,1	17,5	1,14	84,0	43,5	61,1	15,0	2,29
2.1/2"	101,5	52,5	73,8	24,0	3,36	101,5	52,5	73,8	20,5	4,04
3"	118,0	63,5	89,8	32,0	4,70	118,0	63,5	89,8	28,5	5,80
4"	146,0	79,5	115,4	38,0	9,00	146,0	79,5	115,4	38,0	10,85



Forged Fittings

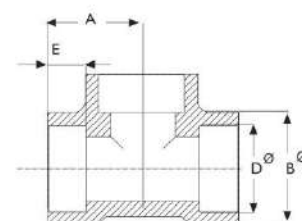
TES SW 3000LBS A105

TES SW A105		Rating: 3000LBS
Specification		
Material	Carbon steel ASTM A105	
Normative	NACE MR 0175	



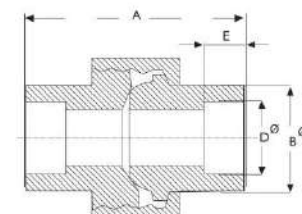
TEE 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	24,5	25,5	14,0	13,5	0,150					
3/8"	24,5	25,5	17,5	11,0	0,140					
1/2"	28,5	33,5	21,7	12,5	0,300	33,5	38,0	27,1	14,5	0,630
3/4"	33,5	38,0	27,1	14,5	0,380	38,0	46,0	27,1	16,0	0,680
1"	38,0	46,0	33,8	16,0	0,610	44,5	55,5	33,8	17,5	1,440
1.1/4"	44,5	55,5	42,6	17,5	0,930	51,0	62,0	42,6	19,0	1,790
1.1/2"	51,0	62,0	48,7	19,0	1,240	60,5	75,5	48,7	22,0	3,240
2"	60,5	75,5	61,1	22,0	1,910	63,5	84,0	61,1	22,0	3,510
2.1/2"	76,0	92,0	73,8	34,5	3,700	86,0	110,0	73,8	30,0	8,800
3"	86,0	110,0	89,8	29,0	5,500	95,5	120,5	89,8	32,0	10,500
4"	114,5	152,5	115,4	48,0	19,000	114,5	152,5	115,4	35,0	22,200



UNION NUT 3000LBS SW

DN	3000LBS				
	A min	B Ø min	D Ø	E	Peso aprox.
1/4"	44,5	22,0	14,0	9,5	0,230
3/8"	47,5	25,5	17,5	11,0	0,340
1/2"	54,0	32,0	21,7	12,5	0,390
3/4"	58,5	38,0	27,1	14,5	0,480
1"	63,5	44,5	33,8	16,0	0,660
1.1/4"	71,5	57,0	42,6	17,5	1,150
1.1/2"	79,5	63,5	48,7	19,0	1,420
2"	92,0	76,0	61,1	22,0	2,450



Forged Fittings

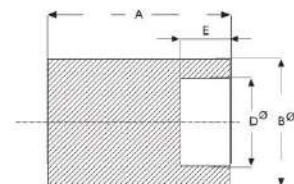
CAP SW 3000LBS A105



CAP 90° SW		Rating: 3000LBS
Specification		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

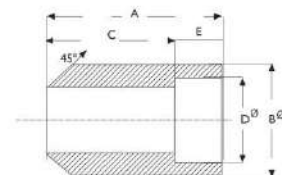
CAPS 3000LBS / 6000LBS SW

DN	3000LBS					6000LBS				
	A	B Ø	D Ø	E	Peso aprox.	A	B Ø	D Ø	E	Peso aprox.
1/4"	17,5	22,0	14,0	9,5	4,100					
3/8"	19,0	25,5	17,5	11,0	5,400					
1/2"	22,0	31,5	21,7	12,5	10,000	25,5	38,0	21,7	12,5	19,100
3/4"	25,5	38,0	27,1	14,5	16,300	27,0	44,5	27,1	14,5	26,500
1"	27,0	44,5	33,8	16,0	21,900	32,0	57,0	33,8	16,0	52,700
1.1/4"	30,0	57,0	42,6	17,5	41,900	33,5	63,5	42,6	17,5	63,600
1.1/2"	32,0	63,5	48,7	19,0	50,900	36,0	76,0	48,7	19,0	97,200
2"	38,0	76,0	61,1	22,0	85,400	41,5	92,0	61,1	22,0	164,300
2.1/2"	38,0	92,0	73,8	23,5	125,000	41,5	108,0	73,8	23,5	223,000
3"	44,5	108,0	89,8	25,5	195,000	47,5	127,0	89,8	25,5	345,000
4"	47,5	140,0	115,4	28,5	336,000	54,0	159,0	115,4	28,5	460,400



BOSSES 3000LBS SW

DN	3000LBS					
	A min	B Ø min	C	D Ø	E	Peso aprox.
1/4"	41,5	32,0	32,0	14,0	9,5	0,230
3/8"	44,5	35,0	33,5	17,5	11,0	0,290
1/2"	51,0	38,0	38,0	21,7	12,5	0,360
3/4"	51,0	44,5	36,5	27,1	14,5	0,460
1"	51,0	57,0	35,0	33,8	16,0	0,770
1.1/4"	51,0	63,5	33,5	42,6	17,5	0,840
1.1/2"	51,0	76,0	32,0	48,7	19,0	1,210
2"	51,0	92,0	28,5	61,1	22,0	1,710



Forged Fittings

REDUCED INSERT SW 3000LBS A105

REDUCED INSERT 300LBS SW

Rating: 3000LBS

Specification

Material

Normative

Carbon Steel **ASTM A105**

NACE MR 0175

REDUCED INSERT 3000LBS SW

DN	3000LBS				
	Tipo	M ¹	N ¹	K ¹	L ¹
1/2" x 3/8"	1	21.60	11.00	24.00	20.00
1/2" x 1/4"	2	21.60	7.50	15.50	-
3/4" x 1/2"	1	26.90	14.00	27.00	22.00
3/4" x 3/8"	2	26.90	11.00	15.50	-
1" x 3/4"	1	33.60	19.00	28.50	23.00
1" x 1/2"	2	33.60	14.00	24.00	-
1.1/4" x 1"	1	42.40	24.50	31.50	24.50
1.1/4" x 3/4"	2	42.40	19.00	22.00	-
1.1/2" x 1.1/4"	1	48.50	32.50	33.50	27.00
1.1/2" x 1"	2	48.50	24.50	33.50	-
2" x 1.1/2"	2	60.90	38.00	27.00	-
2.1/2" x 2"	1	73.60	49.00	41.50	30.00

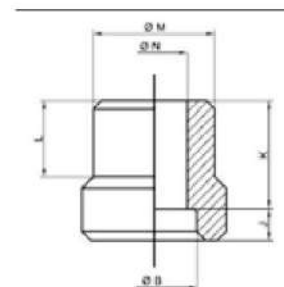
¹ Dimensions not listed in ASME B16.11. They may vary according to the manufacturer.

REDUCED INSERT 6000LBS SW

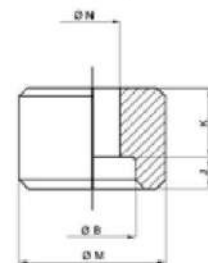
DN	6000LBS				
	Tipo	M ¹	N ¹	K ¹	L ¹
1/2" x 3/8"	1	21.60	11.00	30.00	21.00
3/4" x 1/2"	1	26.90	12.00	33.50	23.00
3/4" x 3/8"	2	26.90	11.00	25.50	-
1" x 3/4"	1	33.60	15.50	42.00	26.00
1" x 1/2"	1	33.60	12.00	40.00	24.00
1.1/4" x 1"	1	42.40	20.50	43.00	28.00
1.1/4" x 3/4"	1	42.40	15.50	43.00	28.00
1.1/4" x 1/2"	2	42.40	12.00	32.00	-
1.1/2" x 1.1/4"	1	48.50	29.50	51.00	32.00
1.1/2" x 1"	1	48.50	20.50	49.00	28.00
1.1/2" x 3/4"	2	48.50	15.50	35.00	-
2" x 1.1/2"	1	60.90	34.00	46.00	34.00
2" x 1.1/4"	1	60.90	29.50	47.50	34.00
2.1/2" x 2"	1	73.60	43.00	54.00	36.00
2.1/2" x 1.1/2"	2	73.60	34.00	47.50	-
3" x 2.1/2"	1	89.60	54.00	63.50	38.00
3" x 2"	2	89.60	43.00	54.00	-

¹ Dimensions not listed in ASME B16.11. They may vary according to the manufacturer.

Tipo 1



Tipo 2



NPT FITTING

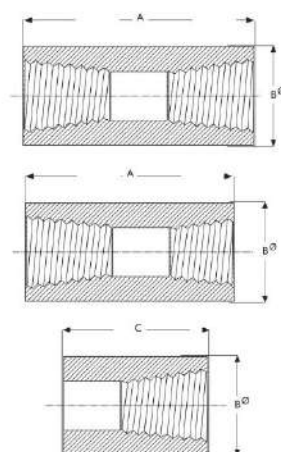
SLEEVE NPT 3000LBS A105

SLEEVE, HANDLE REDUCED AND HALF NPT SLEEVE A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	



SLEEVE A105 3000LBS / 6000LBS NPT

DN	3000LBS				6000LBS			
	A	B Ø	C	Weight approx.	A	B Ø	C	Weight approx.
1/4"	35,0	19,0	17,5	0,050	35,0	25,5	17,5	0,080
3/8"	38,0	22,0	19,0	0,060	38,0	32,0	19,0	0,100
1/2"	47,5	29,0	24,0	0,130	47,5	38,0	24,0	0,310
3/4"	51,0	35,0	25,5	0,190	51,0	44,5	25,5	0,410
1"	60,5	44,5	30,0	0,390	60,5	57,0	30,0	0,850
1.1/4"	66,5	57,0	33,5	0,680	66,5	63,5	33,5	1,050
1.1/2"	79,5	63,5	39,5	1,000	79,5	76,0	39,5	1,810
2"	85,5	76,0	43,0	1,370	85,5	92,0	43,0	3,400
2.1/2"	92,0	92,0	46,0	2,070	92,0	106,0	46,0	4,190
3"	108,0	108,0	54,0	3,080	108,0	127,0	54,0	6,100
4"	120,5	140,0	60,0	5,440	120,5	159,0	60,0	10,300



HALF SLEEVE A105 3000LBS / 6000LBS NPT

DN	3000LBS				6000LBS			
	A	B Ø	C	Weight approx.	A	B Ø	C	Weight approx.
1/4"	35,0	19,0	17,5	0,020	35,0	25,5	17,5	0,030
3/8"	38,0	22,0	19,0	0,030	38,0	32,0	19,0	0,090
1/2"	47,5	29,0	24,0	0,060	47,5	38,0	24,0	0,160
3/4"	51,0	35,0	25,5	0,100	51,0	44,5	25,5	0,200
1"	60,5	44,5	30,0	0,200	60,5	57,0	30,0	0,430
1.1/4"	66,5	57,0	33,5	0,340	66,5	63,5	33,5	0,530
1.1/2"	79,5	63,5	39,5	0,500	79,5	76,0	39,5	0,910
2"	85,5	76,0	43,0	0,690	85,5	92,0	43,0	1,700
2.1/2"	92,0	92,0	46,0	1,040	92,0	106,0	46,0	2,100
3"	108,0	108,0	54,0	1,540	108,0	127,0	54,0	3,050
4"	120,5	140,0	60,0	2,730	120,5	159,0	60,0	5,030

NPT FITTING

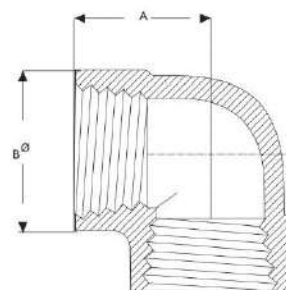
ELBOW 90° NPT 3000LBS A105



Elbow 90° NPT		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

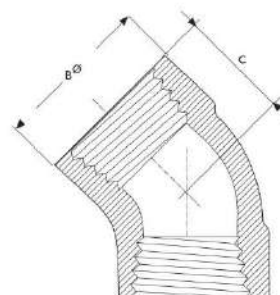
ELBOW 90° 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	A	B Ø	Weight approx. (kg.)	A	B Ø	Weight approx. (kg.)
1/4"	24,5	25,5	0,140	28,5	33,5	0,300
3/8"	28,5	33,5	0,270	33,5	38,0	0,460
1/2"	33,5	38,0	0,410	38,0	46,0	0,720
3/4"	38,0	46,0	0,650	44,5	55,5	1,160
1"	44,5	55,5	1,040	51,0	62,0	1,620
1.1/4"	51,0	62,0	1,310	60,5	75,5	2,670
1.1/2"	60,5	75,5	2,220	63,5	84,0	3,210
2"	63,5	84,0	2,470	86,0	110,0	7,940
2.1/2"	86,0	110,0	7,340	95,5	120,5	9,850
3"	95,5	120,5	7,700	114,5	152,5	18,000
4"	114,5	152,5	13,200			



ELBOW 45° 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	B Ø	C	Weight approx. (kg.)	B Ø	C	Weight approx. (kg.)
1/4"	25,5	19,0	0,120	33,0	25,5	0,400
3/8"	33,0	25,5	0,370	33,0	25,5	0,380
1/2"	33,0	25,5	0,340	46,0	20,5	0,610
3/4"	46,0	28,5	0,530	55,5	33,5	1,020
1"	55,5	33,5	0,520	62,0	35,0	1,180
1.1/4"	62,0	35,0	0,960	75,5	43,0	2,070
1.1/2"	75,5	43,0	1,040	84,0	43,5	2,610
2"	84,0	43,5	1,930	101,5	52,5	4,370
2.1/2"	101,5	52,5	3,460	120,5	63,5	7,000
3"	120,5	63,5	5,450	152,5	79,5	14,160
4"	152,5	79,5	9,500			



NPT FITTING

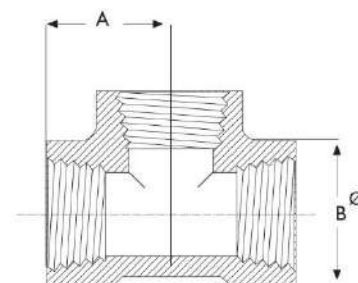
TES NPT 3000LBS A105

TES NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	



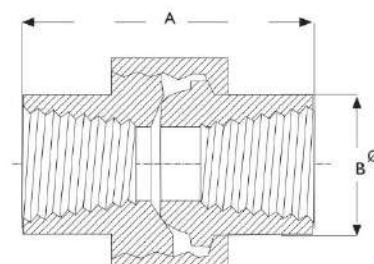
TEE 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	A	B Ø	Weight approx. (kg.)	A	B Ø	Weight approx. (kg.)
1/4"	24,5	25,5	0,200	28,5	33,5	0,410
3/8"	28,5	33,5	0,300	33,5	38,0	0,620
1/2"	33,5	38,0	0,560	38,0	46,0	0,980
3/4"	38,0	46,0	0,840	44,5	55,5	1,650
1"	44,5	55,5	1,390	51,0	62,0	2,190
1.1/4"	51,0	62,0	1,650	60,5	75,5	3,320
1.1/2"	60,5	75,5	3,100	63,5	84,0	4,430
2"	63,5	84,0	3,180	86,0	110,0	8,500
2.1/2"	86,0	110,0	8,800	95,5	120,5	13,100
3"	95,5	120,5	9,500	114,5	152,5	24,000
4"	114,5	152,5	17,200			



UNION NUT 3000LBS NPT

DN	3000LBS		
	A min	B Ø min	Weight approx.
1/4"	44,5	22,0	0,140
3/8"	47,5	25,5	0,200
1/2"	54,0	32,0	0,360
3/4"	58,5	38,0	0,430
1"	63,5	44,5	0,660
1.1/4"	71,5	57,0	0,900
1.1/2"	79,5	63,5	1,260
2"	92,0	76,0	2,010



NPT FITTING

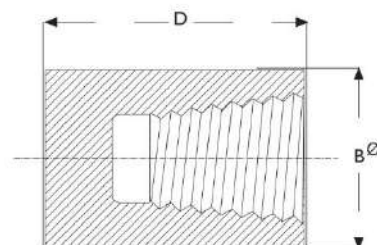
CAP NPT 3000LBS A105



CAP 90° NPT		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

CAPS 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	D	B Ø	Weight approx.	D	B Ø	Weight approx.
1/4"	25,5	19,0	0,040	25,5	25,5	0,060
3/8"	25,5	22,0	0,050	30,0	32,0	0,090
1/2"	32,0	29,0	0,110	35,0	38,0	0,140
3/4"	36,5	35,0	0,180	38,0	44,5	0,200
1"	41,5	44,5	0,330	46,0	57,0	0,340
1.1/4"	44,5	57,0	0,600	47,5	63,5	0,600
1.1/2"	44,5	63,5	0,700	47,5	76,0	0,770
2"	47,5	76,0	1,060	51,0	92,0	1,470
2.1/2"	60,5	92,0	1,840	63,5	108,0	2,100
3"	66,0	108,0	1,650	68,0	127,0	2,000
4"	68,0	140,0	4,570	74,5	159,0	6,300



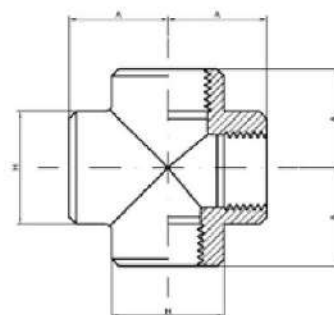
NPT FITTING

CRUCES NPT 3000LBS A105

Cross NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

CROSS 3000LBS / 6000LBS NPT

DN	3000LBS				6000LBS			
	A	H	G	Weight approx. (kg.)	A	H	G	Weight approx. (kg.)
1/4"	24.64	25.40	3.30	0.22	26.45	33.27	6.60	0.47
3/8"	28.45	33.27	3.51	0.40	33.27	38.10	6.98	0.67
1/2"	33.27	38.10	4.09	0.63	38.10	45.97	8.15	1.12
3/4"	38.10	45.97	4.32	0.93	44.46	55.83	8.53	1.90
1"	44.46	55.83	4.90	1.47	50.80	61.98	9.93	2.90
1.1/4"	50.80	61.98	5.28	1.77	60.45	75.44	10.59	4.20
1.1/2"	60.45	75.44	5.56	3.42	68.50	84.07	11.07	6.35
2"	68.50	84.07	7.14	5.00	82.55	101.60	12.09	9.60
2.1/2"	82.55	101.60	7.64	7.32	95.25	120.85	15.29	16.00
3"	95.25	120.85	8.84	11.20	106.43	146.05	16.64	22.60
4"	114.30	162.40	11.18	19.00	114.30	162.40	18.67	28.10



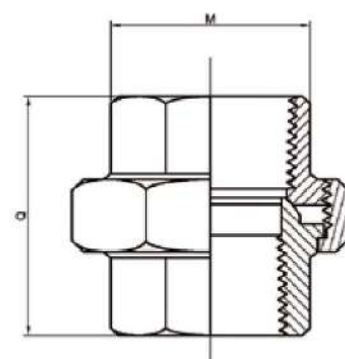
NPT FITTING

TUERCA UNIÓN NPT 3000LBS A105

TUERCA UNION NPT		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

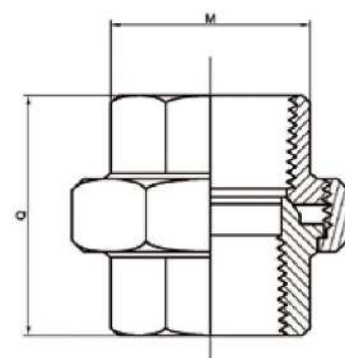
UNION NUT H/H 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	Q	R	Weight approx.	Q	R	Weight approx.
1/4"	42.42	36.07	0.14	54.10	45.97	0.45
3/8"	47.50	41.15	0.20	57.15	50.80	0.60
1/2"	52.07	45.97	0.35	69.08	59.94	0.85
3/4"	57.15	55.88	0.43	72.14	72.14	1.40
1"	62.99	65.02	0.65	80.01	80.01	1.75
1.1/4"	70.10	77.98	0.93	88.90	93.98	3.00
1.1/2"	77.98	86.11	1.26	107.95	100.08	4.00
2"	88.90	108.12	2.01	114.05	121.92	6.10
2.1/2"	114.05	121.92	5.50	130.30	144.02	9.40
3"	130.05	144.02	8.00	150.11	180.09	15.50
4"	150.11	180.09	12.80	-	-	-



UNION NUT M/F 3000LBS / 6000LBS NPT

DN	3000LBS			6000LBS		
	Q	R	Weight approx.	Q	R	Weight approx.
1/4"	62.99	32.00	0.13	72.64	45.97	0.43
3/8"	69.09	38.10	0.25	76.96	50.80	0.65
1/2"	76.96	45.97	0.45	94.49	59.94	1.10
3/4"	80.01	50.80	0.65	98.65	72.14	1.46
1"	97.03	59.94	0.85	107.95	80.01	2.16
1.1/4"	101.09	72.14	1.25	119.09	93.98	3.40
1.1/2"	109.98	80.01	1.70	138.18	100.08	4.15
2"	119.09	93.98	2.60	146.05	121.92	5.80



NPT FITTING

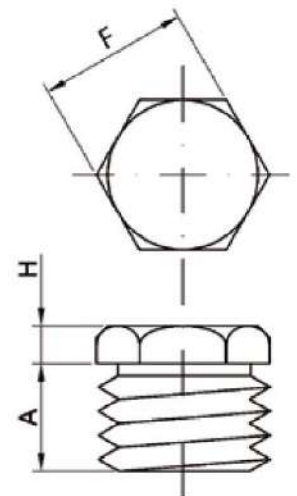
TAPÓN CABEZA HEXAGONAL NPT 3000LBS A105

HEXAGONAL HEAD PLUG NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	



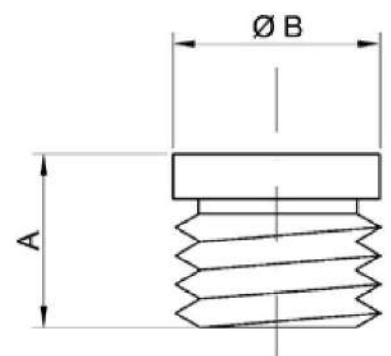
HEXAGONAL HEAD PLUG 3000LBS / 6000LBS NPT

DN	3000/6000LBS			
	A	F	H	Weight (kg.)
1/4"	11.18	15.75	6.35	0.03
3/8"	12.70	17.53	7.87	0.04
1/2"	14.22	22.35	7.87	0.07
3/4"	15.75	26.92	9.65	0.14
1"	19.05	35.05	9.65	0.21
1.1/4"	20.57	44.45	14.22	0.42
1.1/2"	20.57	50.80	15.75	0.53
2"	22.35	63.50	17.53	1.00
2.1/2"	26.92	76.20	19.05	1.85
3"	28.45	88.90	20.57	3.00
4"	31.75	117.35	26.40	6.00



ROUND HEAD PLUG 3000LBS / 6000LBS NPT

DN	3000/6000LBS		Weight (kg.)
	A	B	
1/4"	11.18	13.48	0.04
3/8"	12.70	17.53	0.07
1/2"	14.22	21.34	0.12
3/4"	15.75	26.93	0.19
1"	19.05	33.27	0.34
1.1/4"	20.57	42.93	0.55
1.1/2"	20.57	48.51	0.72
2"	22.35	60.45	1.41
2.1/2"	26.92	73.15	2.20
3"	28.45	88.90	3.26
4"	31.75	114.30	6.02



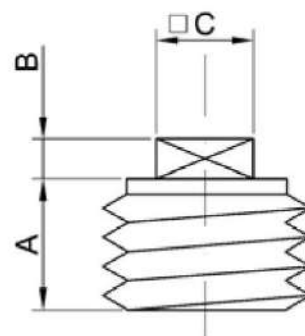
NPT FITTING

SQUARE HEAD PLUG NPT 3000LBS A105

SQUARE HEAD PLUG NPT A105		Rating: 3000LBS
Especificaciones		
Material	Acero carbono ASTM A105	
Normativa	NACE MR 0175	

SQUARE HEAD PLUG 3000LBS / 6000LBS NPT

DN	3000/6000LBS			Weight (kg)
	A	B	C	
1/4"	11.18	6.35	9.85	0.01
3/8"	12.70	7.87	11.18	0.03
1/2"	14.22	9.85	14.22	0.05
3/4"	15.75	11.18	15.75	0.09
1"	19.05	12.70	20.57	0.16
1.1/4"	20.57	14.22	23.88	0.27
1.1/2"	20.57	15.75	28.45	0.38
2"	22.35	17.53	33.27	0.63
2.1/2"	26.92	19.05	38.10	0.95
3"	28.45	20.57	42.93	1.54
4"	31.75	25.40	63.50	3.85



NPT FITTING

NIPPLE HEXAGONAL NPT 3000LBS A105

NIPPLE HEXAGONAL NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	



NIPPLE HEXAGONAL 3000LBS / 6000LBS NPT

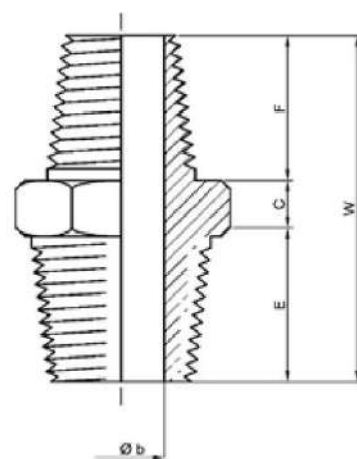
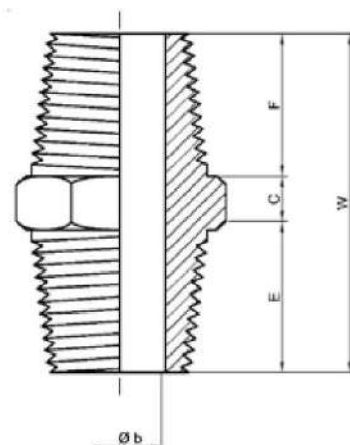
DN	3000/6000LBS							
	A	E	C	W	b*		Weight (kg.)	
					3000LBS	6000LBS	3000LBS	6000LBS
1/4"		14.99	6.10	36.07	7.87	6.10	0.03	0.03
3/8"		16.00	7.87	39.88	10.92	7.87	0.04	0.05
1/2"		20.07	7.87	48.01	13.97	10.92	0.07	0.11
3/4"		21.08	9.91	52.07	19.05	12.95	0.10	0.16
1"		24.89	9.91	59.94	23.88	17.02	0.19	0.32
1.1/2"		25.91	16.00	68.07	38.10	29.97	0.27	0.49
2"		26.92	17.02	71.12	49.02	39.12	0.33	0.37

* Dimension "b" is nominal, and is subject to manufacturing tolerances.

NIPPLE HEXAGONAL REDUCIDO 3000LBS / 6000LBS NPT

DN	E	F	C	W	b*		Weight (kg.)	
					3000LBS	6000LBS	3000LBS	6000LBS
1/4" x 1/8"	14.99	9.91	6.10		5.08	2.03	-	-
3/8" x 1/4"	16.00	14.99	7.87		7.87	6.10	0.05	0.06
1/2" x 3/8"	20.07	16.00	7.87		10.92	7.87	0.08	0.10
1/2" x 3/4"	20.07	14.99	7.87		7.87		0.08	0.11
3/4" x 1/2"	21.08	20.07	8.89		13.97	10.92	0.10	0.15
3/4" x 3/8"	21.08	16.00	8.89		10.92	7.87	0.11	0.13
1" x 3/4"	24.89	21.08	9.91		19.05	12.95	0.20	0.30
1" x 1/2"	24.89	20.07	9.91		13.97	10.92	0.21	0.29
1.1/2" x 1"	25.91	24.89	16.00		23.88	17.02	0.21	0.25
1.1/2" x 3/4"	25.91	21.08	16.00		19.05	12.95	0.40	0.50
1.1/2" x 1/2"	25.91	20.07	16.00		13.97	10.92	0.60	0.74
2" x 1.1/2"	26.92	25.91	17.02		38.10	29.97	0.85	0.74
2" x 1"	26.92	24.89	18.03		23.88	17.02	0.65	0.77
2" x 3/4"	26.92	21.08	17.02		19.05	12.95	0.65	1.10
2" x 1/2"	26.92	20.07	18.03		13.97	10.92	0.99	1.30

* Dimension "b" is nominal, and is subject to manufacturing tolerances.



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NPT FITTING

BUSHING CABEZA HEXAGONAL NPT 3000LBS A105

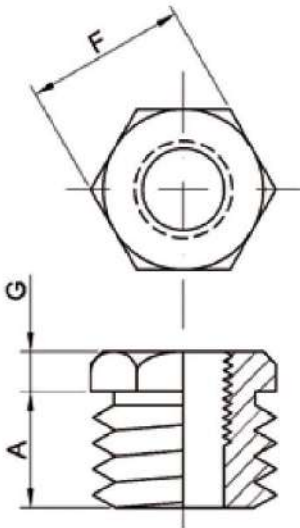


BUSHING HEAD HEXAGONAL NPT A105 Rating: 3000LBS

Specifications	
Material	Carbon Steel ASTM A105
Normative	NACE MR 0175

BUSHING HEADA HEXAGONAL 3000LBS / 6000LBS NPT

DN	3000/6000LBS			
	A	F	G	Weight (kg.)
3/8"x 1/4"	12.70	17.53	4.06	-
1/2" x 3/8"	14.22	22.35	4.83	0.04
1/2" x 1/4"	14.22	22.35	4.83	0.09
3/4" x 1/2"	15.75	26.92	5.59	0.02
3/4" x 1/4"	15.75	26.92	5.59	0.03
1" x 3/4"	19.05	35.05	6.35	0.05
1" x 1/2"	19.05	35.05	6.35	0.07
1" x 1/4"	19.05	35.05	6.35	0.18
1.1/4" x 1"	20.57	44.45	7.11	0.25
1.1/2" x 1"	20.57	50.80	7.87	0.45
1.1/2" x 3/4"	20.57	50.80	7.87	0.60
1.1/2" x 1/2"	20.57	50.80	7.87	1.16
2" x 1.1/2"	22.35	63.50	8.64	1.75
2" x 1"	22.35	63.50	8.64	2.50
2.1/2" x 2"	26.92	76.20	9.65	6.00
3" x 2"	28.45	88.90	10.41	11.50
4" x 3"	31.75	117.35	12.70	22.90
4" x 2"	31.75	117.35	12.70	45.60



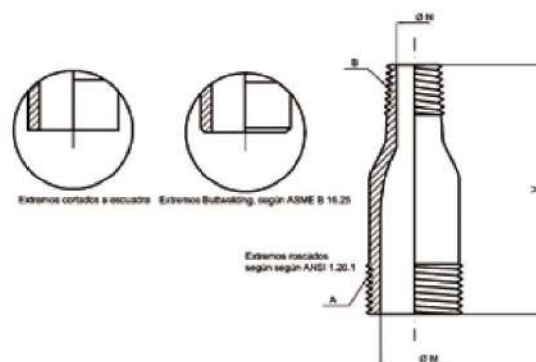
NPT FITTING

SWAGE NIPPLE NPT 3000LBS A105

SWAGE NIPPLE NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

SWAGE NIPPLE 3000LBS / 6000LBS NPT

DN	3000-6000LBS		Weight (kg)	
	K	L	3000LBS	6000LBS
3/8" x 1/4"	76.20	20.07	0.06	0.07
1/2" x 3/8"	88.90	20.07	0.08	0.11
1/2" x 1/4"	88.90	20.07	0.08	0.10
3/4" x 1/2"	69.85	21.08	0.14	0.22
3/4" x 3/8"	69.85	21.08	0.17	0.29
1" x 3/4"	90.17	22.10	0.20	0.31
1" x 1/2"	90.17	22.10	0.22	0.36
1.1/4" x 1"	90.17	24.89	0.39	0.63
1.1/2" x 1.1/4"	116.06	24.89	0.44	0.70
1.1/2" x 1"	116.06	24.89	0.53	0.83
1.1/2" x 3/4"	116.06	24.89	0.54	0.81
2" x 1.1/2"	165.10	29.97	0.48	0.72
2" x 1.1/4"	165.10	29.97	0.55	0.83
2" x 1"	165.10	29.97	0.78	1.18
2.1/2" x 2"	178.05	35.05	1.23	2.10
3" x 2"	203.20	39.68	2.08	3.40
4" x 3"	230.12	44.96	4.52	7.64
4" x 2"	230.12	44.96	4.35	7.25



NPT FITTING

NIPPLE DE TUBO A106



TUBE NIPPLE A106

Largo: 100 mm

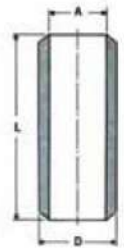
Specifications

Material
Normative

Carbon Steel **ASTM A106**
NACE MR 0175

TUBE NIIPPLE L= 100 mm (4")

DN	Weight (kg)		
	Sch. 80	Sch. 160	Sch. XXS
1/4"	0.090	-	-
3/8"	0.110	-	-
1/2"	0.162	0.195	.254
3/4"	0.219	0.269	.363
1"	0.323	0.423	0.545
1.1/4"	0.446	0.560	0.775
1.1/2"	0.540	0.723	0.954
2"	0.747	1.110	1.344
2.1/2"	1.140	1.490	2.009
3"	1.525	2.130	2.765
4"	2.229	3.351	4.100



Types of nipples:

- TBE (threaded both ends)
- TOE (threaded one end)
- PBE (flat solder both ends)

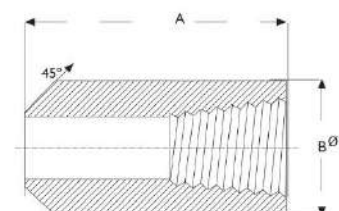
NPT FITTING

BOSSSES NPT 3000LBS A105

BOSSSES NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

BOSSSES 3000LBS NPT

DN	3000LBS						Weight (kg)
	A min.	B Ø	C	D Ø	E		
1/4"	41.5	32.0	32.0	14.0	9.5		0.23
3/8"	44.5	35.0	33.5	17.5	11.0		0.29
1/2"	51.0	38.0	38.0	21.7	12.5		0.36
3/4"	51.0	44.5	36.5	27.1	14.5		0.46
1"	51.0	57.0	35.0	33.8	16.0		0.77
1.1/4"	51.0	63.5	33.5	42.6	17.5		0.84
1.1/2"	51.0	76.0	32.0	49.7	19.0		1.21
2"	51.0	92.0	28.5	61.1	22.0		1.71

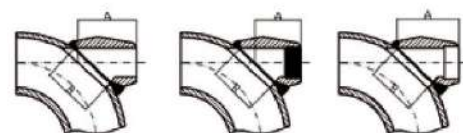


ELBOWLETS NPT 3000LBS A105

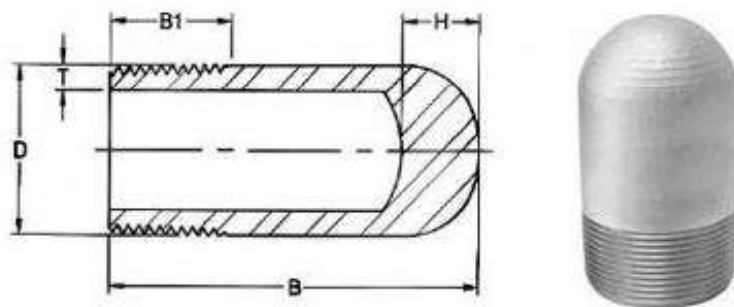
ELBOWLETS NPT A105		Rating: 3000LBS
Specifications		
Material	Carbon Steel ASTM A105	
Normative	NACE MR 0175	

ELBOWLETS 3000LBS NPT

DN	3000LBS - Sch. STD / XS			6000LBS - Sch. 160 / XXS		
	A	B	Weight (kg)	A	B	Weight (kg)
1/4"	41.0	38.0	0.23	41.0	38.0	0.35
3/8"	41.0	38.0	0.23	41.0	38.0	0.36
1/2"	41.0	38.0	0.30	47.5	43.0	0.40
3/4"	47.5	43.0	0.35	57.0	57.0	0.67
1"	57.0	57.0	0.53	63.5	73.0	1.00
1.1/4"	63.5	73.0	0.86	68.0	79.5	1.32
1.1/2"	70.0	79.5	1.20	82.5	108.5	2.80
2"	82.5	106.5	2.40	101.5	114.5	



BULL PLUG

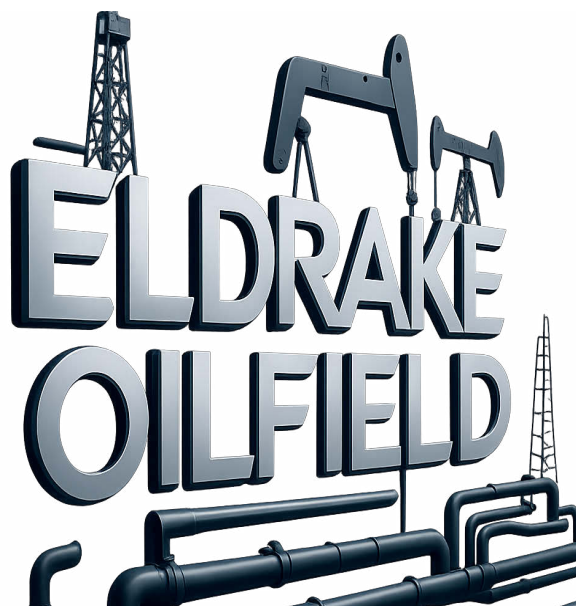


Nom. Pipe Size	D	B	B1	T (Min)				H
				Sch.40 (STD)	Sch.80 (XS)	Sch.160	XXS	
1/8"	10.3	34	9.5	1.73	2.41			14
1/4"	13.7	34	11.0	2.24	3.02			14
3/8"	17.1	57	12.5	2.31	3.20			14
1/2"	21.3	64	14.5	2.77	3.73	4.78	7.47	14
3/4"	26.7	70	16.0	2.87	3.91	5.56	7.82	18
1"	33.4	76	19.0	3.38	4.56	6.35	9.09	18
1-1/4"	42.2	83	20.5	3.56	4.85	6.35	9.70	18
1-1/2"	48.3	89	20.5	3.68	5.05	7.14	10.15	18
2"	60.3	102	22.0	3.91	5.54	8.74	11.07	20
2-1/2"	73.0	127	27.0	5.16	7.01	9.53	14.02	20
3"	88.9	152	28.5	5.49	7.60	11.13	15.24	20
4"	114.3	178	32.0	6.35	8.08	13.49	17.12	20

(1) Dimensions in Millimeters.

(2) Thread in accordance with ASME B1.20.1

(3) Wall thickness (T Min.) in accordance with ASME B36.10M.



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