

BOLTS & NUTS

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ESPÁRRAGOS ASTM A193 B7 CON TUERCAS A194 2H



ESPÁRRAGOS ASTM A193 B7

Bridas: 150 / 300LBS

Especificaciones

Material Acero carbono ASTM A193 B7
Normativa NACE MR 0175

PARA BRIDAS ANSI 150LBS

ESPÁRRAGOS ASTM A193 B7 C/2 TUERCAS ASTM A194 2H

DN	BRIDAS 150LBS			
	Nº tal.	Diámetro	Longitud (mm / inch.)	
1/2"	4	1/2"	60	2.1/4"
3/4"	4	1/2"	67	2.1/2"
1"	4	1/2"	71	2.3/4"
1.1/4"	4	1/2"	71	2.3/4"
1.1/2"	4	1/2"	78	3"
2"	4	5/8"	85	3.1/4"
2.1/2"	4	5/8"	90	3.1/2"
3"	4	5/8"	96	3.3/4"
3.1/2"	8	5/8"	96	3.3/4"
4"	8	5/8"	96	3.3/4"
5"	8	3/4"	103	4"
6"	8	3/4"	103	4"
8"	8	3/4"	110	4.1/4"
10"	12	7/8"	121	4.3/4"
12"	12	1"	121	4.3/4"
14"	12	1"	135	5.1/4"
16"	16	1"	140	5.1/2"
18"	16	1.1/8"	155	6"
20"	20	1.1/8"	160	6.1/4"
24"	20	1.1/8"	178	7"

PARA BRIDAS ANSI 300LBS

ESPÁRRAGOS ASTM A193 B7 C/2 TUERCAS ASTM A194 2H

DN	BRIDAS 300LBS			
	Nº tal.	Diámetro	Longitud (mm / inch.)	
1/2"	4	1/2"	71	2.3/4"
3/4"	4	5/8"	78	3"
1"	4	5/8"	85	3.1/4"
1.1/4"	4	5/8"	85	3.1/4"
1.1/2"	4	5/8"	90	3.1/2"
2"	8	5/8"	90	3.1/2"
2.1/2"	8	3/4"	103	4"
3"	8	3/4"	110	4.1/4"
3.1/2"	8	3/4"	115	4.1/2"
4"	8	3/4"	115	4.1/2"
5"	8	3/4"	121	4.3/4"
6"	12	3/4"	128	5"
8"	12	7/8"	140	5.1/2"
10"	16	1"	160	6.1/4"
12"	16	1.1/8"	172	6.3/4"
14"	20	1.1/8"	178	7"
16"	20	1.1/4"	190	7.1/2"
18"	24	1.1/4"	204	8"
20"	24	1.1/4"	215	8.1/2"
24"	24	1.1/2"	233	9"

PARA BRIDAS ANSI 600LBS

ESPÁRRAGOS ASTM A193 B7 C/2 TUERCAS ASTM A194 2H

DN	BRIDAS 600LBS			
	Nº tal.	Diámetro	Longitud (mm / inch.)	
1/2"	4	1/2"	78	3"
3/4"	4	5/8"	90	3.1/2"
1"	4	5/8"	96	3.3/4"
1.1/4"	4	5/8"	103	4"
1.1/2"	4	5/8"	110	4.1/4"
2"	8	3/4"	110	4.1/4"
2.1/2"	8	3/4"	121	4.3/4"
3"	8	3/4"	128	5"
3.1/2"	8	7/8"	140	5.1/2"
4"	8	7/8"	147	5.3/4"
5"	8	1"	165	6.1/2"
6"	12	1"	172	6.3/4"
8"	12	1.1/8"	204	8"
10"	16	1.1/4"	215	8.1/2"
12"	20	1.1/4"	233	9"
14"	20	1.3/8"	233	9"
16"	20	1.1/2"		
18"	20	1.5/8"		
20"	24	1.5/8"		
24"	24	1.7/8"		

PARA BRIDAS ANSI 1500LBS

ESPÁRRAGOS ASTM A193 B7 C/2 TUERCAS ASTM A194 2H

DN	BRIDAS 1500LBS			
	Nº tal.	Diámetro	Longitud (mm / inch.)	
1/2"	4	3/4"	110	4.1/4"
3/4"	4	3/4"	115	4.1/2"
1"	4	7/8"	128	5"
1.1/4"	4	7/8"	128	5"
1.1/2"	4	1"	140	5.1/2"
2"	8	7/8"	147	5.3/4"
2.1/2"	8	1"	160	6.1/4"
3"	8	1.1/8"	178	7"
3.1/2"	8			
4"	8	1.1/4"	204	8"
5"	8	1.1/2"		
6"	12	1.3/8"		
8"	12	1.5/8"		
10"	12	1.7/8"		
12"	16	2"		
14"	16	2.1/4"		
16"	16	2.1/2"		
18"	16	2.3/4"		
20"	16	3"		
24"	16	3.1/2"		

BOLTS & NUTS

TORQUE FOR BODY-BONNET NUTS OF GATE VALVE

DN (inch)	150 LBS		300 LBS		600 LBS	
	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)
2"	1/2-13	40-60	1/2-13	40-60	3/4-10	190-264
3"	1/2-13	40-60	5/8-11	85-143	3/4-10	190-264
4"	5/8-11	85-143	5/8-11	85-143	7/8-9	280-363
6"	9/16-12	70-100	3/4-10	190-264	1-8	350-462
8"	5/8-11	85-143	3/4-10	190-264	1-8	350-462
10"	5/8-11	85-143	7/8-9	280-363	1-1/8-8	700-880
12"	3/4-10	160-264	7/8-9	280-363	1-1/4-8	1000-1320
14"	7/8-9	280-363	1-8	350-462	1-3/8-8	1200-1595
16"	7/8-9	280-363	1-8	350-462	1-3/8-8	1200-1595
18"	7/8-9	280-363	1-1/8-8	700-880	1-1/2-8	1500-1900
20"	1-8	350-462	1-1/8-8	700-880	1-3/4-8	2300-2900
24"	1-8	350-462	1-3/8-8	1200-1595	1-3/4-8	2300-2900

TORQUE FOR BODY-BONNET NUTS OF CHECK VALVE

DN (inch)	150 LBS		300 LBS		600 LBS	
	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)
2"	3/8-16	20-28	1/2-13	40-60	9/16-12	70-100
2-1/2"	1/2-13	40-60	1/2-13	40-60	9/16-12	70-100
3"	1/2-13	40-60	1/2-13	40-60	5/8-11	85-143
4"	1/2-13	40-60	1/2-13	40-60	5/8-11	85-143
6"	9/16-12	70-100	9/16-12	70-100	7/8-9	280-363
8"	9/16-12	70-100	5/8-11	100-143	7/8-9	280-363
10"	5/8-11	85-143	3/4-10	190-264	1-8	350-462
12"	5/8-11	85-143	3/4-10	190-264	1-1/4-8	1000-1320
14"	5/8-11	100-143	7/8-9	280-363	1-3/8-8	1200-1595
16"	3/4-10	190-264	7/8-9	280-363	1-3/8-8	1200-1595
18"	3/4-10	190-264	1-8	350-462	1-1/2-8	1500-1900
20"	3/4-10	190-264	1-1/8-8	700-880	1-1/2-8	1500-1900
24"	7/8-9	280-363	1-1/8-8	700-880	1-3/4-8	2300-2900

TORQUE FOR BODY-BONNET NUTS OF GLOBE VALVE

DN (inch)	150 LBS		300 LBS		600 LBS	
	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)	DIA OF NUTS	TORQUE(N.M)
2"	3/8-16	20-28	3/8-16	20-28	9/16-12	70-100
3"	1/2-13	40-60	1/2-13	40-60	5/8-11	85-143
4"	1/2-13	40-60	1/2-13	40-60	5/8-11	85-143
6"	9/16-12	70-100	9/16-12	70-100	7/8-9	280-363
8"	9/16-12	70-100	5/8-11	85-143	7/8-9	280-363
10"	5/8-11	85-143	3/4-10	190-264	1-1/8-8	700-880
12"	5/8-11	85-143	3/4-10	190-264	1-1/4-8	1000-1320