


BULON EXAG GRADO 5 UNF (SAE) BICROMATIZADO

HOJA 7A

DIAMETRO		1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"
Hilos		28 - UNF	24 - UNF	24 - UNF	20 - UNF	20 - UNF	18 - UNF	18 - UNF	16 - UNF	14 - UNF	14 - UNS
Cabeza	Llave	7/16"	1/2"	9/16"	5/8"	3/4"	13/16"	15/16"	1.1/8"	1.5/16"	1.1/2"
	Altura	4,14	5,36	6,17	7,39	8,20	9,42	10,24	12,27	14,30	15,93
1/2"		35,480 21.6.12 250 500	55,741 21.8.12 250 500								
5/8"		37,959 21.6.16 250 500	62,068 21.8.16 250 500	94,98 21.9.16 100 200							
3/4"		43,088 21.6.19 250 500	69,677 21.8.19 100 200	101,31 21.9.19 100 200	149,44 21.11.19 50 100						
7/8"		46,850 21.6.22 250 500	77,286 21.8.22 100 200	112,68 21.9.22 100 200							
1"		50,612 21.6.25 250 500	82,330 21.8.25 100 200	120,29 21.9.25 100 200	170,99 21.11.25 100 200	246,90 21.12.25 50 100	322,91 21.14.25 50 100	430,54 21.16.25 50 100			
1.1/4"		56,938 21.6.32 100 200	91,82 21.8.32 100 200	139,27 21.9.32 100 200	196,29 21.11.32 100 200	278,62 21.12.32 50 100	367,19 21.14.32 50 100	487,57 21.16.32 50 100	772,43 21.19.32 25 50		
1.1/2"		66,514 21.6.38 100 200	107,64 21.8.38 100 200	161,41 21.9.38 100 200	221,60 21.11.38 50 100	310,25 21.12.38 50 100	411,56 21.14.38 50 100	557,16 21.16.38 25 50	835,78 21.19.38 25 50		
1.3/4"		76,003 21.6.44 100 200	117,13 21.8.44 100 200	177,23 21.9.44 100 200	246,90 21.11.44 50 100	348,21 21.12.44 50 100	455,85 21.14.44 25 50	595,20 21.16.44 25 50	924 21.19.44 25 50		
2"		82,330 21.6.50 100 200	132,94 21.8.50 100 200	199,46 21.9.50 100 200	272,30 21.11.50 50 100	388,14 21.12.50 50 100	493,89 21.14.50 25 50	658,47 21.16.50 25 50	1.013 21.19.50 10 20	1.425 21.22.50 10 20	1.931 21.25.50 10 20
2.1/4"		97,38 21.6.56 100 200	158,25 21.8.56 100 200	227,92 21.9.56 50 100	310,25 21.11.56 50 100	430,54 21.12.56 25 50	544,5 21.14.56 25 50	721,82 21.16.56 25 50	1.108 21.19.56 10 20	1.546 21.22.56 10 20	2.089 21.25.56 10 20
2.1/2"		106,87 21.6.63 100 200	170,99 21.8.63 50 100	253,23 21.9.63 50 100	335,56 21.11.63 50 100	468,50 21.12.63 25 50	607,86 21.14.63 25 50	785,08 21.16.63 25 50	1.171 21.19.63 10 20	1.639 21.22.63 10 20	2.285 21.25.63 10 20
3"		120,29 21.6.76 50 100	196,3 21.8.76 50 100	291,27 21.9.76 50 100	398,91 21.11.76 50 100	544,50 21.12.76 25 50	709,16 21.14.76 25 50	918 21.16.76 10 20	1.361 21.19.76 10 20	1.888 21.22.76 10 20	2.576 21.25.76 5 10
3.1/2"			227,92 21.8.90 50 100	335,56 21.9.90 50 100	455,85 21.11.90 25 50	620,5 21.12.90 25 50	797,74 21.14.90 25 50	1.013 21.16.90 10 20	1.551 21.19.90 10 20	2.136 21.22.90 10 20	2892,4 21.25.90 5 10
4"			259,56 21.8.100 50 100	379,93 21.9.100 50 100	526,8 21.11.100 25 50	709,16 21.12.100 25 50	899 21.14.100 25 50	1.140 21.16.100 10 20	1.710 21.19.100 10 20	2.353 21.22.100 10 20	3202,7 21.25.100 5 10
4.1/2"				417,89 21.9.110 25 50		785,08 21.12.110 25 50		1.266 21.16.110 10 20	1.899 21.19.110 10 20	2.539 21.22.110 5 10	3575,1 21.25.110 5 10
5"				455,85 21.9.125 25 50		874 21.12.125 25 50		1.393 21.16.125 10 20	2.089 21.19.125 10 20	2.850 21.22.125 5 10	3823 21.25.125 5 10
5.1/2"								1.520 21.16.140 10 20	2.248 21.19.140 10 20	3.098 21.22.140 5 10	4134 21.25.140 5 10
6"								1.646 21.16.155 10 20	2.406 21.19.155 10 20	3.284 21.22.155 5 10	4382 21.25.155 5 10
7"										3788,0 21.22.175 5 10	5013 21.25.175 5 10
8"										4222 21.22.200 5 10	5572 21.25.200 5 10


BULON CAB. REDONDA C/C METRICO 8.8
HOJA 7B

DIAMETRO Paso - Rosca	M6 1,00 - MA	M8 1,25 - MA	M10 1,50 - MA	M12 1,75 - MA
LARGO				
16	54,341 6.6.16 500 3.000	98,033 6.8.16 200 1.600		
20	60,711 6.6.20 500 3.000	110,374 6.8.20 200 1.600	174,170 6.10.20 200 1.200	
25	65,488 6.6.25 500 3.000	119,033 6.8.25 200 1.600	181,435 6.10.25 200 800	319,378 6.12.25 100 600
30	68,673 6.6.30 500 3.000	126,995 6.8.30 200 1.200	207,710 6.10.30 200 800	355,705 6.12.30 100 600
35	75,042 6.6.35 500 2.000	138,241 6.8.35 200 1.200	214,876 6.10.35 200 800	361,179 6.12.35 100 400
40	83,801 6.6.40 500 2.000	148,791 6.8.40 200 1.200	232,293 6.10.40 200 800	392,032 6.12.40 100 400
45	91,862 6.6.45 200 1.600	159,639 6.8.45 200 800	254,089 6.10.45 100 600	422,487 6.12.45 100 400
50	95,843 6.6.50 200 1.600	169,094 6.8.50 200 800	268,520 6.10.50 100 600	435,524 6.12.50 100 400
55	103,805 6.6.55 200 1.200	181,435 6.8.55 100 600	283,051 6.10.55 100 400	486,382 6.12.55 50 200
60	111,767 6.6.60 200 1.200	195,966 6.8.60 100 600	297,582 6.10.60 100 400	493,647 6.12.60 50 200
70		217,762 6.8.70 100 600	333,909 6.10.70 100 400	569,884 6.12.70 50 200
80		248,914 6.8.80 100 600	382,477 6.10.80 100 400	609,794 6.12.80 50 200
90		266,430 6.8.90 100 400	420,994 6.10.90 50 200	653,287 6.12.90 50 200
100		319,378 6.8.100 100 400	450,055 6.10.100 50 200	729,523 6.12.100 50 200
110				769,433 6.12.110 50 200
120				834,822 6.12.120 50 200


BULON EXAG. MB 8.8 BICROMATIZADO

HOJA

7C

MEDIDA		M10	M12	M12	M14	M16	M18	M20
Paso - Rosca		1,25 - MC	1,25 - MC	1,50 - MB	1,50 - MB	1,50 - MB	1,50 - MB	1,50 - MB
Cabeza	Llave	17	19	19	22	24	27	30
	Altura	6,40	7,50	7,50	8,80	10,00	11,50	12,50
LARGO								
20		148,658	221,358	214,444				
		19.10.125.20	19.12.125.20	19.12.150.20				
		100 200	100 200	100 200				
25		165,944	249,02	242,10	366,559	484,103		
		19.10.125.25	19.12.125.25	19.12.150.25	19.14.150.25	19.16.150.25		
		100 200	50 100	50 100	50 100	25 50		
30		186,786	269,76	262,844	396,982	525,589	733,118	
		19.10.125.30	19.12.125.30	19.12.150.30	19.14.150.30	19.16.150.30	19.18.150.30	
		50 100	50 100	50 100	50 100	25 50	25 50	
35		200,615	297,42	290,501	428,788	581,00	802,262	
		19.10.125.35	19.12.125.35	19.12.150.35	19.14.150.35	19.16.150.35	19.18.150.35	
		50 100	50 100	50 100	50 100	25 50	25 50	
40		221,358	325,073	318,159	470,274	622,489	857,576	
		19.10.125.40	19.12.125.40	19.12.150.40	19.14.150.40	19.16.150.40	19.18.150.40	
		50 100	50 100	50 100	50 100	25 50	25 50	
45		235,187	345,816	338,902	497,93	663,975	912,990	1.175,74
		19.10.125.45	19.12.125.45	19.12.150.45	19.14.150.45	19.16.150.45	19.18.150.45	19.20.150.45
		50 100	50 100	50 100	25 50	25 50	25 50	10 20
50		255,930	373,473	366,56	539,517	719,290	982,133	1.244,98
		19.10.125.50	19.12.125.50	19.12.150.50	19.14.150.50	19.16.150.50	19.18.150.50	19.20.150.50
		50 100	50 100	50 100	25 50	25 50	25 50	10 20
55				408,05		788,43		
				19.12.150.55		19.16.150.55		
				50 100		25 50		
60		311,244	456,446	442,62	622,489	843,748	1.106,59	1.417,84
		19.10.125.60	19.12.125.60	19.12.150.60	19.14.150.60	19.16.150.60	19.18.150.60	19.20.150.60
		50 100	25 50	25 50	25 50	25 50	10 20	10 20
65				470,274	663,975	871,41	1.175,74	1.486,98
				19.12.150.65	19.14.150.65	19.16.150.65	19.18.150.65	19.20.150.65
				25 50	25 50	25 50	10 20	10 20
70		352,730	497,932	497,932	719,290	953,093	1.244,98	1.590,79
		19.10.125.70	19.12.125.70	19.12.150.70	19.14.150.70	19.16.150.70	19.18.150.70	19.20.150.70
		50 100	25 50	25 50	25 50	25 50	10 20	10 20
80		387,302	567,174	553,345	774,60	1.037,45	1.348,69	1.729,08
		19.10.125.80	19.12.125.80	19.12.150.80	19.14.150.80	19.16.150.80	19.18.150.80	19.20.150.80
		50 100	25 50	25 50	25 50	10 20	10 20	10 20
90		435,703	622,489	622,489	912,99	1.175,74	1.521,55	1.901,94
		19.10.125.90	19.12.125.90	19.12.150.90	19.14.150.90	19.16.150.90	19.18.150.90	19.20.150.90
		50 100	25 50	25 50	25 50	10 20	10 20	10 20
100		470,274	677,803	677,803	954,48	1.244,98	1.659,94	2.074,90
		19.10.125.100	19.12.125.100	19.12.150.100	19.14.150.100	19.16.150.100	19.18.150.100	19.20.150.100
		25 50	25 50	25 50	25 50	10 20	10 20	10 20
110		511,760	746,947	746,947	1.037,45	1.383,26	1.798,22	2.247,76
		19.10.125.110	19.12.125.110	19.12.150.110	19.14.150.110	19.16.150.110	19.18.150.110	19.20.150.110
		25 50	25 50	25 50	10 20	10 20	10 20	10 20
120		553,345	802,262	802,262	1.106,59	1.486,98	1.901,94	2.420,71
		19.10.125.120	19.12.125.120	19.12.150.120	19.14.150.120	19.16.150.120	19.18.150.120	19.20.150.120
		25 50	25 50	25 50	10 20	10 20	10 20	10 20
130						1.556,12	2.074,90	2.559,00
						19.16.150.130	19.18.150.130	19.20.150.130
						10 20	10 20	40 80
140						1.659,94	2.178,61	2.731,96
						19.16.150.140	19.18.150.140	19.20.150.140
						10 20	10 20	10 20
150						1.798,22	2.282,33	2.964,97
						19.16.150.150	19.18.150.150	19.20.150.150
						10 20	10 20	5 10



BULON METRICO CON FLANGE G8.8 DORADO

MEDIDA		M6	M8	M10	M12
PASO		1,00 - MA	1,25 - MA	1,50 - MA	1,75 - MA
Cabeza	Llave	10	13	15	16
	Altura	6,60	8,10	9,20	11,50
Largo de rosca		14,20	18,00	22,30	26,60
Largo					
16		84,877	132,421		
		341.6.16 500	341.8.16 200		
20				231,663	
				341.10.20 200	
25				236,530	
				341.10.25 100	
30		108,977		256,597	386,237
		341.6.30 500		341.10.30 100	341.12.30 100
40					458,954
					341.12.40 100

SILO G.5 DORADO SIN ARANDELA

MEDIDA		5/16"
Hilos por pulgada		18 - UNC
Cabeza	Llave	1/2"
	Altura	7,40
Diám. Máx. Flange		18,50
Largo		
3/4"		97,851
		322.8.19S 1.600
1"		108,679
		322.8.25S 1.600



SILO G.5 DORADO CON ARANDELA

MEDIDA		3/8"
Hilos por pulgada		16 - UNC
Cabeza	Llave	9/16"
	Altura	9,00
Diám. Max. Flange		20,60
Largo		
3/4"		159,236
		322.9.19 1.200
1"		179,985
		322.9.25 800
1.1/4"		191,722
		322.9.32 800
1.1/2"		216,790
		322.9.38 800