

## TORNILLO HEXAGONAL

Bulones cabeza hexagonal zincados UNC



DIAMETR	3/16.	1/4.	5/16.	3/8.	7/16.	1/2.	9/16.	5/8.	3/4.
Longitud									
1/2	17280	17290	17310	17335					
5/8	17281	17291	17311	17336					
3/4	17282	17292	17312	17337	17358	17380			
7/8	17283	17293	17313	17338	17359	17381			
1	17284	17294	17314	17339	17360	17382	17406	17425	
1" 1/4	17285	17295	17315	17340	17361	17383	17407	17426	17450
1" 1/2	17286	17296	17316	17341	17362	17384	17408	17427	17451
1" 3/4	17288	17297	17317	17342	17363	17385	17409	17428	17452
2"	17287	17298	17318	17343	17364	17386	17410	17429	17453
2" 1/4		17299	17319	17344	17365	17387	17411	17430	17454
2" 1/2		17300	17320	17345	17366	17388	17412	17431	17455
2" 3/4		17301	17321	17346	17367	17389	17413	17432	17456
3"		17302	17322	17347	17368	17390	17414	17433	17457
3" 1/4		17303	17323	17348	17369	17391	17415	17434	17458
3" 1/2		17304	17324	17349	17370	17392	17416	17435	17459
4"		17305	17325	17350	17371	17393	17417	17436	17460
4" 1/2		17306	17326	17351	17372	17394	17418	17437	17461
5"		17307	17327	17352	17373	17395	17419	17438	17462
5" 1/2			17328	17353	17374	17396	17420	17439	17463
6"			17329	17354	17375	17397	17421	17440	17464
6" 1/2				17355		17398		17441	17465
7"				17356	17376	17399		17442	17466
8"				17357	17377	17400		17443	17468
9"								17444	17469
10"								17445	17470

## TORNILLO HEXAGONAL

### Bulones cabeza hexagonal 8.8 (MA)

DIAMETRO	5	6	7	8	10	12	14	16	18	20
Longitud	1	1	1	1.25	1.5	1.75	2	2	2.5	2.5
10	18020									
12	18021	18031		18066						
15	18022	18032	18047	18067						
20	18023	18033	18048	18068	18091	18116				
25	18024	18034	18049	18069	18092	18117				
30	18025	18035	18050	18070	18093	18118	18138	18158		
35	18026	18036	18051	18071	18094	18119	18139	18159		
40	18027	18037	18052	18072	18095	18120	18140			
45		18038		18073	18096	18121				
50		18039		18074	18097	18122	18142	18162		
55		18040	18055	18075	18098	18123				
60		18041		18076	19099	18124	18144	18164	18180	
70		18043		18078	18101	18126		18166	18182	
80		18044		18080	18103	18128	18148	18168		
90		18089		18082	18105	18130	18150	18170		
100		18600		18083	18106	18131	18151	18171		
110					18107	18132		18172		
120					18108	18133		18173		18208
110								18174		

## TORNILLO HEXAGONAL

### Bulones cabeza hexagonal 8.8 (MB)



DIAMETRO	10		12		14	16	18	20
Longitud	1	1.25	1.25	1.5	1.5	1.5	2.5	2.5
25		18292	18317	18233				
30		18293		18234	18338			
35		18294	18319	18235	18339			
40		18295		18236	18340	18360	18376	
45		18296	18321		18341			
50		18297	18322	18238	18342	18362	18378	18397
55				18239		18363		
60		18299	18324	18240	18344	18364		18399
70		18301	18326	18242	18346	18366	18382	
80		10470		18243	18348	18368		18403
90	18305						18386	
100				18245	18351		18387	

## TORNILLO G-5

Bulon alta resistencia UNC Grado 5



DIAMETRO	1/4.	5/16.	3/8.	7/16.	1/2.	9/16.	5/8.	3/4.	7/8.	1"
Longitud										
1/2	17670	17686	17705							
5/8	17671	17687	17706							
3/4	17672	17688	17707	17725	17745					
7/8	17673	17689	17708	17726	17746					
1	17674	17690	17709	17727	17747	17767	17785			
1" 1/4	17675	17691	17710	17728	17748	17768	17786			
1" 1/2	17676	17692	17711	17729	17749	17769	17787	17805		
1" 3/4	17677	17693	17712	17730	17750	17770	17788	17806		
2"	17678	17694	17713	17731	17751	17771	17789	17807	17825	17838
2" 1/4	17679	17695	17714	17732	17752	17772	17790	17808		
2" 1/2	17680	17696	17715	17733	17753	17773	17791	17809	17826	17839
2" 3/4	17681	17697	17716	17734	17754	17774	17792	17810		
3"	17682	17698	17717	17735	17755	17775	17793	17811	17827	17840
3" 1/4	17683	17699	17718	17736	17756	17776	17794	17812	17824	
3" 1/2	17684	17700	17719	17737	17757	17777	17795	17813	17828	17841
4"	17685	17701	17720	17738	17758	17778	17796	17814	17829	17842
4" 1/2	79042	17702	17721	17739	17759	17779	17797	17815	17836	17850
5"	16720	17703	17722	17740	17760	17780	17798	17816	17830	17843
5" 1/2		17667	17660	17741	17761	17781	17799	17817	17837	17849
6"		17668	17723	17742	17762	17782	17800	17818	17831	17844
6" 1/2			17704		18249		17804	17823	17855	
7"			17724	17743	17764		17801	17819	17832	17845
8"			17662	17744	17765		17802	17820	17833	17846
9"							17803	17821	17834	17847
10"								17822	17835	

## TORNILLO G-5

Bulon alta resistencia UNF Grado 5



DIAMETRO	1/4.	5/16.	3/8.	7/16.	1/2.	9/16.	5/8.	3/4.	7/8.	1"
Longitud										
12.7	17860	17876	17895							
16	17861	17877	17896							
19	17862	17878	17897	17915	17935	17955				
22	17863	17879	17898	17916	17936	17956				
25	17864	17880	17899	17917	17937	17957	17975			
32	17865	17881	17900	17918	17938	17958	17976			
38	17866	17882	17901	17919	17939	17959	17977	17995		
44	17867	17883	17902	17920	17940	17960	17978	17996		
50	17868	17884	17903	17921	17941	17961	17979	17997	17974	18088
56	17869	17885	17904	17922	17942	17962	17980	17998		
63	17870	17886	17905	17923	17943	17963	17981	17999	17994	18045
70	17871	17887	17906	17924	17944	17964	17982	18000		
76	17872	17888	17907	17925	17945	17965	17983	18001	18011	18046
82	17873	17889	17908	17926	17946	17966	17984	18002		
90	17874	17890	17909	17927	17947	17967	17985	18003	18012	18057
102	17875	17891	17910	17928	17948	17968	17986	18004	18013	18059
114		17892	17911	17929	17949	17969	17987	18005	18014	18061
127		17893	17912	17930	17950	17970	17988	18006	18015	18062
140			17913	17931	17951	17971	17989	18007	18064	18063
150				17932	17952	17972	17990	18008	18016	18079
165									18017	18104
178							17991	18009	18018	18081
203							17992	18010	18019	18086
229							17993		18115	18087
250										18102



## TORNILLO CABEZA REDONDA

Bulon cabeza redonda cuello cuadrado



DIAMETRO	3/16.	1/4.	5/16.	3/8.	7/16.	1/2.
Longitud						
3/4	17168					
7/8	17169	17177	17195			
1	17170	17178	17196	17218	17238	17258
1" 1/4	17171	17179	17197	17219	17239	17259
1" 1/2	17172	17180	17198	17220	17240	17260
1" 3/4	17173	17181	17199	17221	17241	17261
2"	17174	17182	17200	17222	17242	17262
2" 1/4	17175	17183	17201	17223	17243	17263
2" 1/2	17176	17184	17202	17224	17244	17264
2" 3/4		17185	17203	17225	17245	17265
3"		17186	17204	17226	17246	17266
3" 1/4		17187	17205	17227	17247	17267
3" 1/2		17188	17206	17228	17248	17268
4"		17189	17207	17229	17249	17269
4" 1/2		17190	17208	17230	17250	17270
5"		17191	17209	17231	17251	17271
5" 1/2		17192	17210	17232	17252	17272
6"		17193	17211	17233	17253	17273
6" 1/2			17212			
7"			17213	17234	17254	17274
8"			17214	17235	17255	17275
9"			17215	17236	17256	17276
10"			17216	17237	17257	17277

## ARANDELAS

Arandelas planas y grower



GROW MM.	DIAMETRO
76450	3
76451	4
76452	5
76453	6
76454	7
76455	8
76456	10
76457	12
76458	14
76459	16
76460	18
76461	20
76462	22
76463	24

DIAMETRO	PLANA	GROWER
1/8.	76470	76429
5/32.	76471	76430
3/16.	76472	76431
7/32.		76432
1/4.	76473	76433
5/16.	76474	76434
3/8.	76475	76435
7/16.	76476	76436
1/2.	76477	76437
9/16.	76478	76438
5/8.	76479	76439
3/4.	76480	76440
7/8.	76481	76441
1"	76482	76442
1" 1/8.	76483	76443
1" 1/4.	76484	76444
1" 1/2.	76485	76445
1" 3/4.	76486	76446
2"	76487	76447

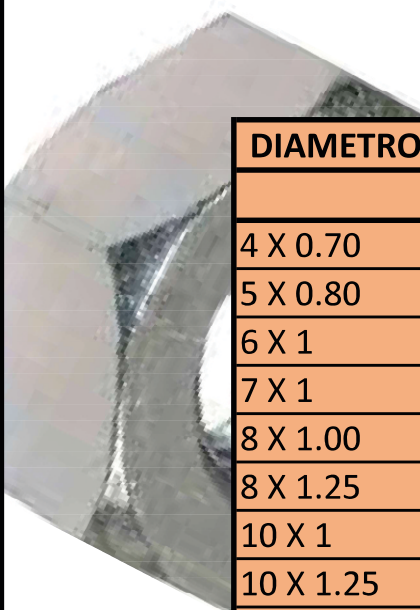




DIAMETRO	UNC	AUToF.
1/8.	18700	
5/32.	18701	
3/16.	18702	17030
1/4.	18703	17031
5/16.	18704	17032
3/8.	18705	17033
7/16.	18706	17034
1/2.	18707	17035
9/16.	18708	17036
5/8.	18709	17037
3/4.	18710	17038
7/8.	18711	17039
1"	18712	17040
1" 1/8.	18713	
1" 1/4.	18714	
1" 1/2.	18715	
2"	18716	

## TUERCAS

Tuercas zincadas UNC-UNF, autofrenantes y milimetricas



DIAMETRO	MM	AUToF.
4 X 0.70	17120	
5 X 0.80	17121	17142
6 X 1	17122	17143
7 X 1	17123	17144
8 X 1.00	18799	17154
8 X 1.25	17124	17145
10 X 1	17110	17146
10 X 1.25	17135	17156
10 X 1.5	17125	17157
12 X 1.25	17136	17147
12 X 1.5	17137	17158
12 X 1.75	17126	17159
14 X 1.5	17138	17148
14 X 2	17127	17160
16 X 1.5	17140	17149
16 X 2	17128	17161
18 X 1.5	17139	17150
18 X 2.5	17129	17162
20 X 1.5	17141	17151
20 X 2.5	17130	17163
22 X 1.5	17131	17152
22 X 2.5	17133	17164
24 X 2	17132	
24 X 3	17134	

DIAMETRO	UNF	AUToF.
1/4.	18720	17046
5/16.	18721	17047
3/8.	18722	17048
7/16.	18723	17049
1/2.	18724	17050
9/16.	18725	17051
5/8.	18726	17052
3/4.	18727	17053
7/8.	18728	17054
1"	18729	17055
1" 1/8.	18730	
1" 1/4.	18731	17056
1" 1/2.	18732	

## VARILLA ROSCADA

Varilla roscada por metro

DIAMETRO	NEGRA
MM	
5	19564
6	19565
7	19566
8	19567
10	19568
12	19569
14	19570
16	19571
18	19572
20	19573



DIAMETRO	NEGRA	ZINCADA
1/8.	19550	19576
5/32.	19551	19577
3/16.	19552	19578
1/4.	19553	19579
5/16.	19554	19580
3/8.	19555	19581
7/16.	19556	19583
1/2.	19557	19584
9/16.	19558	19585
5/8.	19559	19586
3/4.	19560	19587
7/8.	19561	19588
1"	19562	19589
1" 1/8.	19590	19595
1" 1/4.	19591	19594
1" 1/2.	19592	19596
2"	19593	

## TIRAFONDO

Tirafondo cabeza hexagonal zincado

DIAMETRO	3/16.	1/4.	5/16.	3/8.
Longitud				
1	76900	76913	76930	
1" 1/4	76901	76915	76931	76946
1" 1/2	76902	76916	76932	76947
1" 3/4	76903	76917	76933	76948
2"	76904	76918	76934	76949
2" 1/4	76905	76927	76935	76950
2" 1/2	76906	76919	76936	76951
2" 3/4	76907	76920	76937	76952
3"	76908	76921	76938	76953
3" 1/4		76922	76939	76954
3" 1/2		76923	76940	76955
4"		76924	76941	76956
4" 1/2		76925	76942	76957
5"		76926	76943	76958
5" 1/2			76944	76959
6"			76945	76960
6" 1/2				
7"				76961



**AUTOPERFORANTE**

**FIJADORA**



MEDIDA	CÓDIGO
6 X 3/8"	64752
6 X 1/2"	64763
6 X 5/8"	64754
6 X 3/4"	64755
6 X 1"	64756
8 X 1/2"	64757
8 X 5/8"	64747
8 X 3/4"	64758
8 X 1"	64759
8 X 1 1/4"	64760
8 X 1 1/2"	64761

**AUTOPERFORANTE**

**FRESADA**



MEDIDA	CÓDIGO
8 X 1/2"	64772
8 X 1"	64796
8 X 1 1/4"	64773
8 X 1 1/2"	64781

**AUTOPERFORANTE**

**TROMPETA**



MEDIDA	CÓDIGO
6 X 1"	64783
6 X 1 1/8"	64784
6 X 1 1/4"	64785
6 X 1 1/2"	64789
6 X 1 5/8"	64767
6 X 2"	64786

**AUTOPERFORANTE**

**P/ MADERA**



MEDIDA	CÓDIGO
14 X 1"	91180
14 X 1 1/2"	91181
14 X 2"	12546

## CABEZA DE TANQUE T-1



### PUNTA AGUJA

DIAMETRO	8
1/2"	23521
3/4"	23522
1"	23523
1 1/4"	23524

### PUNTA MECHA

DIAMETRO	8
1/2	64738/C
9/16.	64739/C
3/4	64740/C
1"	64741/C
1" 1/4	64742/C
1" 1/2	64743/C

## TORNILLO P/TECHO

Tornillo para techo con arandela zincada y de goma

DIAMETRO	10	12	14
Longitud			
3/4	91330/C		91290/C
1"	913337C	91327/C	91291/C
1" 1/2		91328/C	91296/C
2"		91329/C	91292/C





## TORNILLO DRY

Tornillo para madera rosca gruesa y fina

DIAMETRO	6	8	10
Longitud			
5/8	45000/C	45873/C	
3/4	45001/C	45862/C	
1	45002/C	45865/C	45027/C
1" 1/4	45004/C	45869/C	45016/C
1" 1/2	45006/C	45868/C	45029/C
1" 5/8	45008/C	45872/C	
1" 3/4	45009/C	45867/C	45020/C
2"	45012/C	45861/C	45021/C
2" 1/4	45003/C	45871/C	45024/C
2" 1/2	45013/C	45860/C	45017/C
3"		45870/C	45025/C
3" 3/4			45023/C



DIAMETRO	6
Longitud	
1	50780/C
1" 1/8	50779/C
1" 1/4	54781/C
1" 1/2	54782/C
1" 5/8	50324/C
1" 3/4	50785/C
2"	50784/C
2" 1/4	50783/C

## TORNILLO FIX

Tornillo para madera phillips



DIAMETRO	3	3.5	4	4.5	5	6
Longitud						
10	64506/C					
12	64500/C	64510/C				
16	64501/C	64511/C	64520/C	64539/C		
20	64502/C	64512/C	64521/C	64508/C		
25	64503/C	64513/C	64522/C	64530/C	64519/C	
30	64504/C	64514/C	64523/C	64531/C	64540/C	64559/C
35	64505/C	64515/C	64524/C	64532/C	64541/C	64555/C
40		64516/C	64525/C	64533/C	64542/C	64554/C
45		64507/C	64526/C	64534/C	64543/C	64553/C
50		64613/C	64527/C	64535/C	64544/C	64517/C
60			64528/C	64536/C	64545/C	64549/C
70					64546/C	64550/C
80					64547/C	64551/C
90					64548/C	64552/C