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ESA CİVATA  
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S O M U N D Ö V M E  
MARKASIDIR.

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**ESA**  
CİVATA

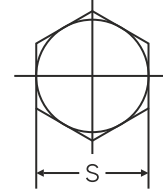
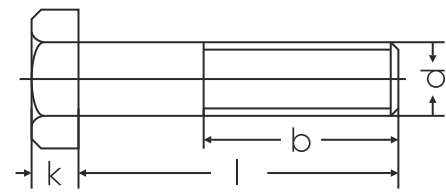
**KALİTEYE  
BİZİMLE  
BAĞLANIN**

**Ürün Kataloğu**  
Product Catalogue



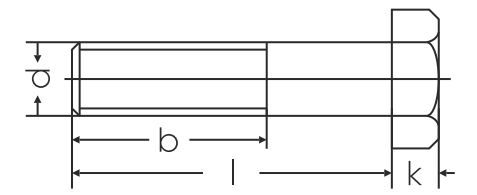
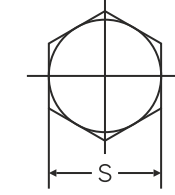
Firmamız güçlü, güvenli, kaliteli ilkeleriyle 1993 yılında Cevdet GÖÇER tarafından kurulmuştur. Şirket kurucumuz Cevdet GÖÇER sektörde yılların verdiği tecrübe ile sizlere daha iyi hizmet sunmak için Konya Somun Dövme'yi faaliyete geçirmiştir. 2023 yılı itibari ile de Esa Civatayı kurarak ürün yelpazemizi genişlettik. Hedefimiz kısa sürede büyük mesafeler alarak sektördeki ismini büyük başarıların arkasındaki isim yapmaktır. 1000 mt2 alanda hizmet veren firmamız sıcak somun ve sıcak civata üretimlerine devam etmektedir. Ürünlerimiz her şeyden önce kalite prensibiyle en kaliteli malzemeler kullanılarak, son derece titiz ve itinalı bir şekilde imal edilmektedir. İmalatlarımız satış sonrası müşteri desteği ile memnuniyetini devam ettirmektedir. Bayilik verdiğimiz firmalar ile olduğumuz bu markalarla da tüm TÜRKİYE'de ismimizin özdeşleştirilmesinin gururunu yaşamaktayız. Bugünlerde emeği ve desteği olan siz değerli müşterilerimize teşekkürü bir borç biliriz.

Our company was founded in 1993 by Cevdet GÖÇER with its strong, safe and quality principles. Our company founder Cevdet GÖÇER has put Konya Nut Forging into operation to provide you with a better service with years of experience in the sector. As of 2023, we expanded our product range by establishing Esa Bolt. Our goal is to take great distances in a short time and make its name in the sector the name behind great successes. Our company, which serves in an area of 1000 m2, continues to produce hot nuts and hot bolts. First of all, our products are manufactured using the highest quality materials, with the principle of quality, in an extremely meticulous and meticulous manner. Our productions continue their satisfaction with after-sales customer support. We are proud of the identification of our name with these brands, which we are dealers with, all over TURKEY. We would like to thank our valued customers for their efforts and support these days.



### DIN 931

ALTİKÖŞE BAŞLI CİVATALAR - YARIM DİŞ  
HEXAGON HEAD BOLTS WITH SHANK



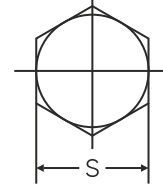
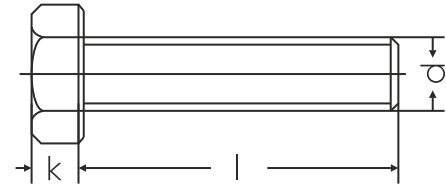
### DIN 931

ALTİKÖŞE BAŞLI CİVATALAR - YARIM DİŞ  
HEXAGON HEAD BOLTS WITH SHANK

d		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
P <sub>1</sub>		3	3	3,5	3,5	4	4	4,5	4,5	5	5
b	2	54	60	66	72	78	84	90	96	102	-
	3	60	66	72	78	84	90	96	102	108	116
	4	73	79	85	91	97	103	109	115	121	129
s	DIN931	36	41	46	50	55	60	65	70	75	80
k		15	17	18,7	21	22,5	25	26	28	30	33
1	P=pitch of thread										
2	For Lengths / nom 125mm										
3	For Lengths / nom 125mm 200m										
4	For Lengths / nom 200mm										
l		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
75		365									
80		392	510								
85		410	534								
90		428	557	712							
95		446	580	739							
100		464	603	767	951						
110		500	650	823	1020	1240					
120		535	695	880	1090	1320	1510	1900	2260		
130		560	720	920	1150	1390	1580	1980	2350	2780	
140		595	765	975	1220	1470	1660	2090	2460	2860	
150		630	810	1030	1290	1550	1740	2200	2600	3010	3610
160		665	855	1085	1350	1630	1830	2310	2730	3160	3770
170		700	900	1140	1410	1710	1920	2410	2850	3300	3930
180		735	945	1200	1480	1790	2010	2520	2980	3440	4100
190		770	990	1250	1540	1870	2100	2630	3100	3580	4270
200		805	1030	1310	1610	1950	2200	2740	3220	3720	4430
220		870	1130	1420	1750	2110	2410	2960	3470	4010	4760
240		935	1220	1530	1880	2270	2600	3180	3720	4290	5110
260		1000	1310	1640	2020	2430	2800	3400	3980	4570	5450
280		1080	1400	1750	2150	2590	3010	3520	4240	4850	5800
300		1150	1490	1860	2290	2750	3210	3640	4500	5130	6140
320		1220	1580	1970	2425	2910	3400	3858	4750	5410	6482
340		1290	1670	2080	2560	3070	3588	4076	5000	5690	6820
360		1360	1760	2190	2695	3230	3776	4294	5250	5975	7153
380		1430	1850	2300	2830	3390	3964	4512	5500	6260	7486
400		1500	1940	2410	2965	3550	4152	4730	5750	6545	7819
420		1570	2030	2520	3100	3710	4340	4948	6000	6830	8152
440		1640	2120	2630	3235	3870	4528	5166	6250	7115	8485
460		1710	2210	2740	3370	4030	4716	5384	6500	7400	8818
480		1780	2300	2850	3500	4190	4904	5602	6750	7685	9151
500		1850	2390	2960	3635	4350	5092	5820	7000	7970	9484

d		M56	M60	M64	M68	M72	M76	M80	M90	M100
P <sub>1</sub>		4	3	3	3,5	3,5	4	4	4	4
b	2	78	54	60	66	72	78	78	78	78
	3	84	60	66	72	78	84	84	84	84
	4	97	73	79	85	91	97	97	97	97
s	DIN931	55	36	41	46	50	55	55	55	55
k		22,5	15	17	18,7	21	22,5	22,5	22,5	22,5
1	P=pitch of thread									
2	For Lengths / nom 125mm									
3	For Lengths / nom 125mm 200m									
4	For Lengths / nom 200mm									
l		M56	M60	M64	M68	M72	M76	M80	M90	M100
100		3400								
110		3590	4240	4910						
120		3780	4460	5160	5890	6820	7780			
130		3970	4680	5420	6180	7130	8140	9140		
140		4160	4900	5670	6460	7450	8490	9530	12800	
150		4360	5120	5920	6750	7770	8850	9930	13300	17400
160		4550	5350	6170	7030	8090	9200	10300	13800	18000
170		4740	5460	6430	7310	8410	9550	10700	14300	18700
180		4930	5690	6680	7600	8730	9900	11100	14800	19300
190		5110	5920	6920	7860	9050	10300	11500	15300	19900
200		5300	6140	7160	8120	9360	10700	11900	15800	20500
220		5660	6580	7600	8620	9900	11300	12600	16700	21700
240		6030	7020	8100	9190	10500	12000	13300	17600	23000
260		6410	7460	8600	9760	11100	12600	14100	18500	24200
280		6800	7900	9100	10300	11700	13100	14900	19500	25300
300		7190	8350	9600	10900	12400	13900	15600	20500	26500
320		7580	8800	10100	11500	13000	14700	16400	21500	27700
340		7970	9250	10600	12000	13700	15400	17200	22500	28900
360		8350	9700	11100	12600	14300	16100	18000	23500	30100
380		8737	10144	11600	13200	15000	16900	18800	24500	31300
400		9124	10588	12100	13770	15600	17600	19600	25500	32500
420		9511	11032	12600	14340	16240	18400	20400	26500	33800
440		9900	11476	13100	14910	16880	19113	21200	27500	35000
460		10287	11920	13600	15480	17520	19826	22000	28500	36200
480		10674	12364	140100	16050	180160	20539	22800	29500	37400
500		11060	12808	14600	16620	18800	21257	23600	30500	38600



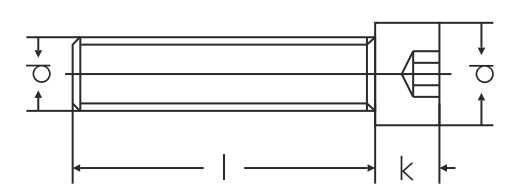
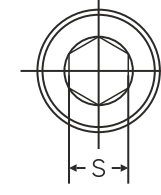


### DIN 933

ALTİKÖŞE BAŞLI CİVATALAR - TAM DİŞ  
HEXAGON HEAD BOLTS FULL THREAD

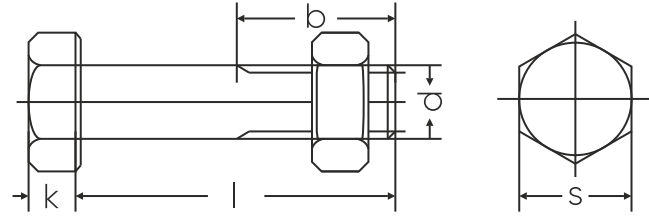
### DIN 912

İNBUS CİVATALAR  
HEXAGON SOCKET HEAD CAP SCREWS



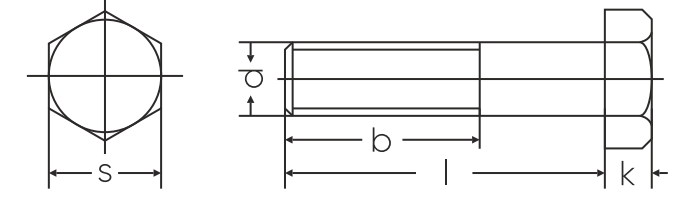
d		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
P1		3	3	3,5	3,5	4	4	4,5	4,5	5	5
b	2	54	60	66	72	78	84	90	96	102	-
	3	60	66	72	78	84	90	96	102	108	116
s	4	73	79	85	91	97	103	109	115	121	129
	DIN933	36	41	46	50	55	60	65	70	75	80
k		15	17	18,7	21	22,5	25	26	28	30	33
		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
16		173									
18		178									
20		184									
22		190	269								
25		199	280								
28		200	292								
30		214	310								
35		229	319	424	543	670	869				
40		244	338	448	572	714	910	1090	1330	1590	
45		259	358	472	601	748	951	1130	1380	1650	
50		274	377	496	630	783	992	1180	1430	1710	2090
55		289	397	519	659	817	1030	1230	1490	1770	2170
60		304	416	543	688	851	1070	1270	1540	1830	2240
65		319	435	566	717	886	1110	1310	1600	1890	2310
70		334	454	590	746	910	1160	1370	1650	1950	2390
75		348	473	614	775	950	1200	1410	1710	2010	2460
80		363	492	637	806	990	1240	1460	1760	2080	2540
85		378	512	661	837	1020	1280	1500	1810	2140	2610
90		393	531	685	866	1060	1320	1550	1870	2200	2680
95		408	550	708	891	1100	1360	1600	1920	2260	2750
100		423	569	732	920	1140	1400	1650	1980	2320	2830
110		453	608	779	978	1200	1480	1740	2090	2450	2970
120		483	647	827	1040	1260	1560	1840	2190	2570	3120
130		513	685	874	1090	1330	1650	1930	2300	2690	3260
140		543	724	921	1150	1400	1730	2020	2410	2820	3410
150		572	762	969	1210	1470	1810	2120	2520	2940	3550
160		602	801	1010	1270	1540	1890	2210	2630	3060	3700
170		632	839	1060	1330	1610	1970	2300	2740	3180	3850
180		662	875	1110	1390	1680	2050	2400	2850	3310	4000
190		692	911	1160	1440	1740	2140	2500	2960	3430	4150
200		722	947	1210	1500	1810	2220	2590	3060	3560	4300

d	M24	M27	M30	M33	M36	M42	M48	M56	M64	M72	M80	M90	M100
P1	3	3	3,5	3,5	4	4,5	5	5,5	6	6	6	6	6
b	60	66	72	78	84	96	108	124	140	156	172	192	212
s	19	19	22	24	27	32	36	41	46	55	65	75	85
k	24	27	20	33	36	42	48	56	64	72	80	90	100
d	36	40	45	50	54	63	72	84	96	108	120	135	150
t	12	13,5	15,5	18	19	24	28	34	38	43	48	54	60
	M24	M27	M30	M33	M36	M42	M48	M56	M64	M72	M80	M90	M100
40	270												
45	285	330	500										
50	300	352	527	630									
55	316	374	554	665	870								
60	330	396	581	700	910	1370							
65	345	418	608	735	950	1420							
70	363	440	635	770	990	1470	2040						
80	399	484	690	830	1070	1580	2180						
90	435	529	745	900	1150	1680	2320						
100	471	574	800	970	1230	1790	2460						
110	507	619	855	1040	1310	1890	2600						
120	543	664	910	1110	1390	2000	2740						
130	579	709	965	1180	1470	2100	2880						
140	615	754	1020	1250	1550	2210	3020						
150	651	799	1080	1320	1630	2320	3160						
160	687	844	1130	1390	1710	2420	3300	4880					
180	759	934	1240	1530	1870	2640	3590	5270	7250				
200	831	1020	1350	1670	2030	2860	3870	5650	7750	9950			
220	903	1110	1460	1810	2190	3080	4150	6040	8250	10600			
240	975	1230	1570	1950	2250	3300	4430	6420	8750	11300	14300		
260	1050	1340	1680	2040	2410	3520	4710	6810	9260	11900	15100	19900	25700
280	1120	1430	1790	2180	2570	3740	4990	7200	9760	12600	15800	20900	26900
300	1195	1530	1900	2320	2730	3960	5270	7580	10300	13300	16600	21900	28200



**DIN 7990**  
ALTİKÖŞE BAŞLI ÇELİK  
KONSTRÜKSİYON CİVATALARI  
HEXAGON HEAD BOLTS  
FOR STEELS STRUCTURES

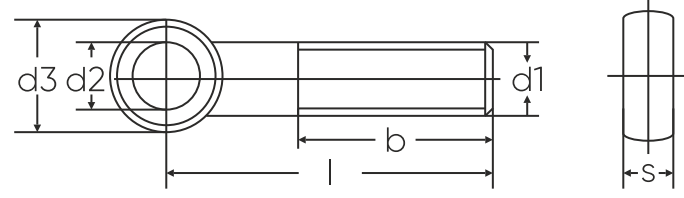
**DIN 6914**  
ALTİKÖŞE BAŞLI AĞIR YÜK CİVATALARI  
HIGH STRENGTH HEXAGON HEAD BOLTS



d	M24	M27	M30
P <sub>1</sub>	3	3	3,5
b	26	29	30,5
s	36	41	46
k	15	17	19
1) p=pitch of thread			
	M24	M27	M30
45	274		
50	292		
55	310		
60	328	441	
65	346	463	
70	364	485	
75	382	507	
80	400	529	686
85	418	551	714
90	436	573	742
95	454	595	770
100	472	617	798
105	490	639	826
110	508	661	854
115	526	683	882
120	544	705	910
125	562	727	938
130	580	749	966
135	598	771	994
140	616	793	1022
145	634	815	1050
150	652	837	1078
155	670	859	1106
160	688	881	1134
165	706	903	1162
170	724	925	1190
175	742	947	1218
180	760	969	1246
185	778	991	1274
190	796	1013	1302
195	814	1035	1330
200	832	1057	1358
Somun Ağırlıkları Bolt Nut Weights	119	170	234

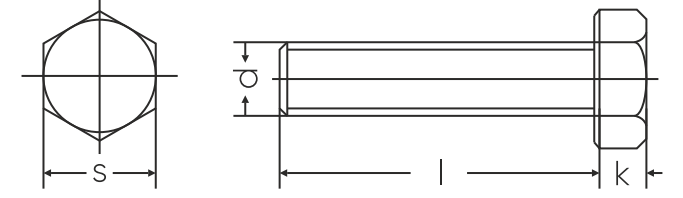
d	M24	M27	M30	M36
P <sub>1</sub>	3	3	3,5	4
b	34	37	40	48
s	41	46	50	60
k	15	17	19	23
1) p=pitch of thread				
	M24	M27	M30	M36
60	362			
65	380			
70	398	532		
75	415	554	701	
80	433	576	728	
85	451	599	756	1184
90	467	621	784	1224
95	485	644	812	1264
100	503	665	838	1304
105	520	688	865	1336
110	538	710	893	1376
115	556	732	921	1415
120	574	755	949	1455
125	591	777	976	1495
130	609	800	1004	1535
135	627	822	1032	1575
140	645	845	1059	1615
145	662	867	1087	1655
150	680	890	1115	1695
155	698	912	1143	1735
160	716	935	1170	1775
165	733	957	1198	1815
170	751	979	1226	1855
175	769	1002	1254	1895
180	787	1024	1281	1935
185	804	1047	1309	1974
190	822	1069	1337	2014
195	840	1092	1365	2054
200		1114	1392	2094





### DIN 444 GÖZLÜ CİVATALAR EYEBOLTS

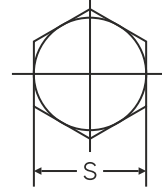
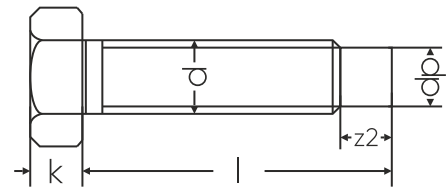
### DIN 961 ALTİKÖŞE BAŞLI İNCE DİŞLİ CİVATALAR - TAM DİŞ HEXAGON HEAD BOLTS FINE PITCH FULL THEREAD



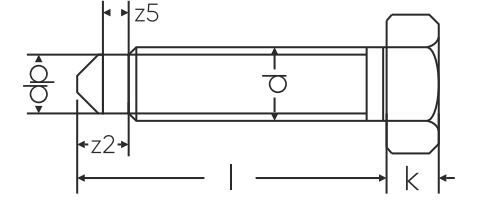
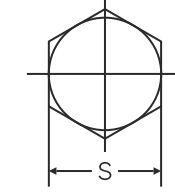
Screw Thread d1		M24	M27	M30	M33	M36	M39
P		3	3	3,5	3,5	4	4
b+2 P	1	54	60	66	-	-	-
	2	60	66	72	78	84	90
	3	73	79	85	91	97	103
d2	max.	22	24-25	27-28	30	32-33	35-36
d3 TypeA,B and C	min.	45	50	55	60	65	70
		43,4	48,4	53,1	58,1	63,1	68,1
		44,38	49,38	54,26	59,26	64,26	69,26
r	max.	10	10	10	16	16	16
s TypeA,B and C	min.	28	30	34	38	41	46
		27,16	29,16	33	37	40	45
	max.	25	27	30	34	38	41
	min.	24,79	26,79	29,79	33,75	37,75	40,75

d	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
P1	3	3	3,5	3,5	4	4	4,5	4,5	5	5
s	36	41	46	50	55	60	65	70	75	80
k	15	17	18,7	21	22,5	25	26	28	30	33
	M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
18	182	256								
20	189	264								
22	195	272								
25	205	285								
28	215	297								
30	221	305								
35	238	325	435	557	697	879				
40	254	345	461	588	733	921	1110	1350	1610	
45	270	366	487	619	769	963	1160	1400	1670	
50	287	386	512	650	805	1010	1210	1460	1740	2140
55	303	407	537	681	841	1050	1260	1520	1800	2220
60	319	427	563	712	877	1100	1310	1570	1870	2290
65	336	447	588	743	913	1140	1350	1630	1930	2370
70	352	467	613	774	949	1180	1400	1690	2000	2450
75	368	487	639	805	980	1220	1450	1740	2060	2520
80	384	507	664	836	1020	1270	1500	1800	2130	2600
85	400	527	690	867	1060	1310	1550	1860	2190	2680
90	415	547	715	898	1090	1350	1600	1910	2260	2760
95	432	567	741	929	1130	1390	1650	1970	2310	2840
100	448	587	766	960	1160	1440	1700	2030	2380	2910
110	481	627	817	1020	1230	1520	1800	2140	2510	3060
120	513	667	867	1080	1300	1600	1900	2260	2640	3220
130	546	707	918	1150	1370	1690	1990	2370	2770	3370
140	579	747	968	1210	1450	1770	2090	2480	2900	3530
150	611	787	1020	1270	1520	1860	2190	2600	3030	3680
160	643	827	1070	1330	1590	1940	2290	2710	3160	3830
170	675	867	1120	1390	1660	2030	2390	2820	3290	3990
180	707	907	1170	1460	1730	2110	2490	2940	3420	4140
190	739	947	1220	1520	1800	2200	2590	3050	3550	4300
200	771	987	1270	1580	1870	2280	2690	3170	3680	4460

	TYPE A		TYPE B		TYPE C		M24	M27	M30	M33	M36	M39
	Min.	Max.	Min.	Max.	Min.	Max.						
30	28,95	31,05	29,35	30,65	29,60	30,40						
35	33,75	36,25	34,20	35,80	34,50	35,50						
40	38,75	41,25	39,20	40,80	39,50	40,50						
45	43,75	46,25	44,20	45,80	44,50	45,50						
50	48,75	51,25	49,20	50,80	49,50	50,50						
55	53,50	56,50	54,05	55,95	54,40	55,60						
60	58,50	61,50	59,05	60,95	59,40	60,60						
65	63,50	66,50	64,05	65,95	64,40	65,60						
70	68,50	71,50	69,05	70,95	69,40	70,60						
75	73,50	76,50	74,05	75,95	74,40	75,60						
80	78,50	81,50	79,05	80,95	79,40	80,60						
90	88,25	91,75	88,90	91,10	89,30	90,70						
100	98,25	101,75	98,90	101,10	99,30	100,70	454					
110	108,25	111,75	108,90	111,1	109,30	110,70	489					
120	118,25	121,75	118,90	121,1	119,30	120,70	524	618				
130	128	132	128,75	131,25	129,20	130,80	560	663				
140	138	142	138,75	141,25	139,20	140,80	596	708				
150	148	152	148,75	151,25	149,20	150,80	631	753	997	1240		
160	156	164	158,75	161,25	159,20	160,80	667	798	1050	1310	1570	1880
180	176	184	178,75	181,25	179,20	180,80	738	888	1160	1440	1730	2070
200	195,40	204,60	198,55	201,45	199,10	200,90	809	978	1270	1570	1890	2250
220	215,40	224,60	218,55	221,45	219,10	220,90	868	1060	1370	1690	2050	2420
240	235,40	244,60	238,55	241,45	239,10	240,90	939	1140	1480	1820	2200	2610
260	254,80	265,20	258,40	261,60	258,90	261	1010	1230	1590	1960	2350	2790
280	274,80	285,20	278,40	281,60	278,90	281		1320	1700	2100	2500	2970
300	294,80	305,20	298,40	301,60	298,90	301		1400	1810	2240	2650	3100



**DIN 561**  
**ALTİKÖŞE BAŞLI FATURALI CİVATALAR**  
**HEXAGON HEAD SET SCREWS WITH DOG POINT**

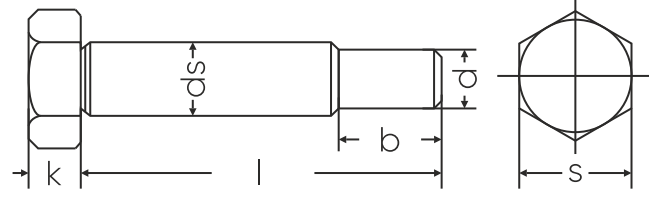


**DIN 564**  
**ALTİKÖŞE BAŞLI FATURALI CİVATALAR**  
**HEXAGON HEAD SET SCREWS WITH SHORT DOG POINT AND FLAT CONE END**

d		M24	M30	M36	M42	M48	M56
p'		3	3,5	4	4,5	5	5,5
s		30	36	46	55	65	75
k		17	21	25	30	34	40
d <sub>p</sub>		18	23	28	32	38	45
z <sub>2</sub>		12	15	18	21	24	28
1	p=pitch of thread						
l		M24	M30	M36	M42	M48	M56
45		233					
50		249					
60		281	446				
70		313	493				
80		345	540	876	1320		
90		377	587	944	1410	2040	
100		409	634	1010	1510	2160	3120
120		473	727	1150	1700	2410	3450
140			821	1280	1890	2660	3780
160			914	1420	2080	2910	4110
180				1560	2270	3160	4440
200				1690	2460	3410	4770
220					2650	3660	5100
240					2840	3910	5430
260					3030	4160	5760
280						4410	6090
300						4660	6420

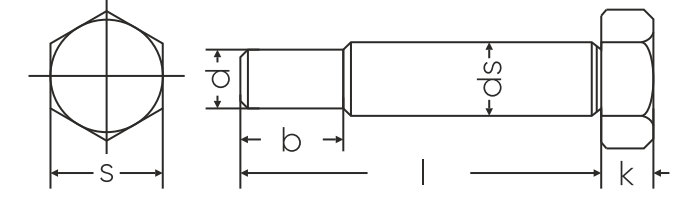
b		M24	M30	M36
p'		3	3,5	4
s		30	36	46
k		17	21	25
d <sub>p</sub>		18	23	28
z <sub>2</sub>		12	15	18
z <sub>5</sub>		6	8	10
1	p=pitch of thread			
l		M24	M30	M36
45		227		
50		243		
60		275	432	
70		307	479	
80		339	526	850
90		371	573	918
100		403	620	986
120		467	713	1120
140			807	1260
160			901	1390
180				1530
200				1670





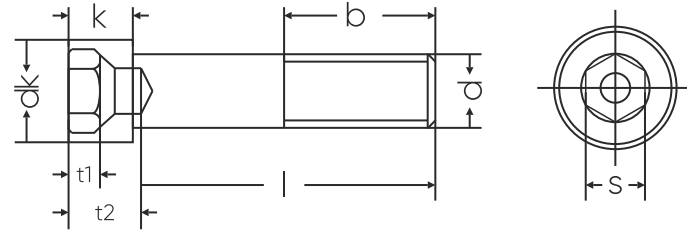
**DIN 7968**  
**ALTİKÖŞE BAŞLI ÇAKMA ÇELİK**  
**KONSTRÜKSİYON CİVATALAR**  
**HEXAGON FIT BOLTS FOR STEEL**  
**STRUCTURES**

**DIN 7999**  
**ALTİKÖŞE BAŞLI ÇAKMA AĞIR YÜK**  
**KONSTRÜKSİYON CİVATALAR**  
**HEXAGON FIT BOLTS WITH LARGE HIGH**  
**STRENGTH STRUCTURAL BOLTING**



d		M24	M27	M30
P <sup>n</sup>		3	3	3,5
b		26,5	29,5	31,25
s		36	41	46
k		15	17	19
d <sub>s</sub>		25	28	31
1	p=pitch of thread			
l		M24	M27	M30
50		299		
55		318		
60		337	451	
65		356	475	
70		375	499	643
75		394	523	673
80		413	547	703
85		432	571	733
90		451	595	763
95		470	619	793
100		489	643	823
105		508	667	853
110		527	691	883
115		546	715	913
120		565	739	943
125		584	763	973
130		603	787	1003
135		622	811	1033
140		641	835	1063
145		660	859	1093
150		679	883	1123
155		698	907	1153
160		717	931	1183
165		736	955	1213
170		755	979	1243
175		774	1003	1273
180		793	1027	1303
185		812	1051	1333
190		831	1075	1363
195		850	1099	1393
200		869	1123	1423

d		M24	M27	M30
P <sup>n</sup>		3	3	3,5
b		26,5	29,5	31,25
s		41	46	50
k		15	17	19
d <sub>s</sub>		25	28	31
d	p=pitch of thread			
LF		M24	M27	M30
75		423		
80		442	585	
85		461	609	772
90		480	633	801
95		499	657	831
100		519	681	860
105		538	705	890
110		557	729	919
115		576	753	949
120		595	777	978
125		614	800	1000
130		632	823	1030
135		651	847	1060
140		670	871	1090
145		689	895	1120
150		708	919	1150
155		727	943	1180
160		747	968	1210
165		766	990	1240
170		785	1010	1270
175		804	1030	1300
180		824	1060	1330
185		842	1090	1360
190		861	1110	1390
195		880	1140	1420
200		900	1160	1450

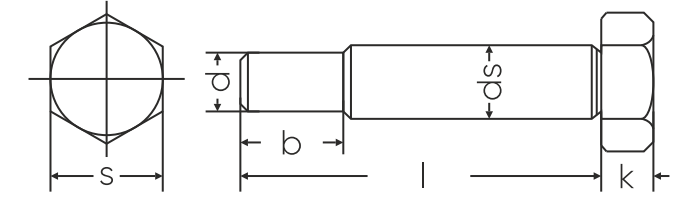


### DIN 6912

İNCE KAFA İNBUS CİVATALAR  
HEXAGON SOCKET THIM HEAD CAP  
SCREWS WITH PILOT RECES

### DIN 609

ALTİKÖŞE BAŞLI TAŞLANMIŞ CİVATALAR  
HEXAGON FIT BOLTS WITH LONG THEARD



d		M24	M27	M30	M33	M36
P <sub>1</sub>		3	3	3,5	3,5	4
b	2	54	60	66	72	78
	3	60	66	72	78	84
	4	73	79	85	91	97
s		19	19	22	24	27
k		14	16	17,5	19,5	21,5
dk		36	40	45	50	54
t1		7	8,5	9	10	11,5
t2		16	17	19	20	24
dh		12	12	15	16,5	18
1	p=pitch of thread					
		M24	M27	M30	M33	M36
60		263				
70		298	445	498		
80		333	490	552	793	
90		369	535	607	860	1000
100		407	580	662	927	1080
110		439	625	717	994	1160
120		474	670	772	1060	1240
130		510	715	827	1130	1320
140		545	760	880	1190	1400
150		580	805	940	1250	1470
160		616	850	990	1320	1550
170		651	895	1050	1380	1630
180		687	940	1100	1450	1710
190		722	995	1160	1510	1790
200		758	1030	1210	1580	1870

d		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
P <sup>1</sup>		3	3	3,5	3,5	4	4	4,5	4,5	5	5
		2	2	2	2	3	3	3	3	3	3
		1,5									
b	2										
	3	36,5	39,5	43	45	51	51	56	59	63	65
	4	41,5	44,5	48	50	56	56	61	64	68	70
s		36	41	46	50	60	60	65	70	75	80
k		15	17	19	21	25	25	26	28	30	33
d <sub>s</sub>		25	28	32	34	40	40	44	46	50	55
1	p=pitch of thread										
2	For lengths / <sub>nom</sub> < 50 mm										
3	For lengths 50 mm < / <sub>nom</sub> 150 mm										
4	For lengths / <sub>nom</sub> > 150 mm										
l		M24	M27	M30	M33	M36	M39	M42	M45	M48	M52
80		392									
85		410									
90		428	557	712							
95		446	580	739							
100		464	603	767	951						
110		500	650	823	1020	1240					
120		535	695	880	1090	1320	1510				
130		560	720	920	1150	1390	1580	1980	2350		
140		595	765	975	1220	1470	1660	2090	2480	2860	
150		630	810	1030	1290	1550	1740	2200	2600	3010	3610
160		665	855	1085	1350	1630	1830	2310	2730	3160	3770
170		700	900	1140	1410	1710	1920	2410	2850	3300	3930
180		735	945	1200	1480	1790	2010	2520	2980	3440	4100
190		770	990	1250	1540	1870	2100	2630	3100	3580	4270
200		805	1030	1310	1610	1950	2200	2740	3220	3720	4430
220		870	1130	1420	1750	2110	2410	2960	3470	4010	4760
240		935	1220	1530	1880	2270	2600	3180	3720	4290	5110
260			1310	1640	2020	2430	2800	3400	3980	4570	5450
280				1750	2150	2590	3010	3520	4240	4850	5800
300				1860	2290	2750	3210	3640	4500	5130	6140
320										5410	6480
340										5690	6820