CİVATALAR
BOLTS

Civata Kalite ve Tork Değerleri

Bolt Quality and Torque Values

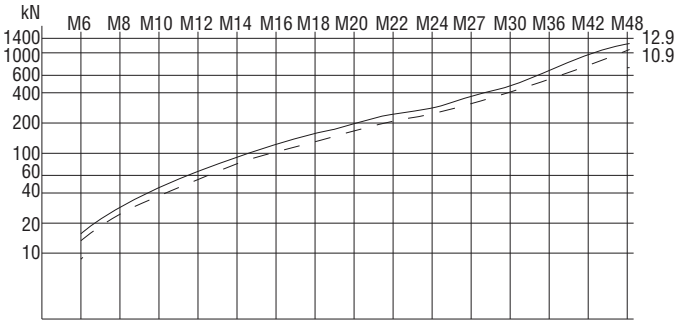
	Kalite Dayanım Sınıfları Quality Strength Classes		
	10	10.9	12.9
DIN 787 	-	-	X
DIN 6379 	-	X	-
DIN 6330B DIN 6331 Nr. 1830 	X	-	-
Sembol gerilme mukavemeti [N/mm^2] Nominal tensile strength [N/mm^2]	1000	1000	1200
Minimum akma noktası [N/mm2] Minimum yield point [N/mm2]	-	900	1080

Çizelge Özelliklerinin Açıklanması:

• **İzin Verilen Civata Yükü :** Maksimum gerilim yükü ve vida hesabı alınarak vurgu yapıldı. Aktif kuvvetler, akma noktası, sadece güvenlik için %80 kullanılır.

• **İzin Verilen Ön Gerilme Kuvveti :** Yük, vida ve somun uygulamasında, tablodaki rakamların sürtünmeye karşılık, itme yüzeyleri ve parçanın μ = 0,14 sürtünme kat sayısı geçerlidir.

• **İzin Verilen Ön Gerilme Kuvveti Yağlı Hesaplama :** Yük, vida ve somun uygulamasında, parçanın μ = 0,1sürtünme kat sayısı hesaplanmalıdır.



Standart Anahtar İle Öngerilme Kuvveti
Pre-stress Force With Standard Spanner

Explanation Of Table Characteristics:

• **Permissible Bolt Load:** is the maximum tension load, the screw can be stressed with talcing into account all active forces. The yield point is only utilized to 80% for safety.

• **Permissible Pre-stress Force:** is the load, the screw can be pre-stressed at most, when tightening the matching nut. Figures of table are valid for a friction of μ = 0,14 in thrust faces and thread, corresponding to the friction of greased medium faces.

• **Allowed pretension with oil calculation:** At an application with screws and nuts, the load must be calculated with a μ = 0,1 frictional factor of the workpiece.

Civata ve Somun Için Mukavemet 10.9 ve 12.9 Kalite ve Momentleri / Strength Figures And Torques For Bolts And Nuts:

Diş / Threads		Kalite Quality	M6	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27	M30	M36	M42	M48
Hatve / Pitch of thread	mm		1	1.25	1.50	1.75	2	2	2.50	2.50	2.50	3	3	3.50	4	4.50	5
Somun / Nuts																	
Sertlik / Hardeness DIN 6330 / 6331 / 6334	HRC	10	28-32														
Test Kuvveti (AS x Sp) Test force DIN EN 20898-2	kN	10	20.9	38.1	60	88	121	165	203	260	321	374	486	595	866	-	-
"T" Pabuç DIN 508 / Nr. 1710		**Nuts for T-Slots DIN 508 / Nr. 1710**															
Ölçü / Size			M6x8	M8x10	M10x12	M12x14	-	M16x18	-	M20x22	-	M24x28	-	M30x36	M36x42	M42x48	M48x54
Sertlik / Hardeness	HRC		22 - 30														
Test Kuvveti / Test Force	kN		16	29	46	67	-	128	-	196	-	282	-	448	653	653	653
Civata / Bolts																	
Sertlik / Hardeness	HRC	10.9	32 - 39														
		12.9	39 -44														

Sıkma Verileri / Tightening Data																	
Minimum Kırılma Kuvveti Minimum Breaking Force (AS x Rm)	kN	10.9 12.9	21 (24)	38 (45)	60 71	88 103	(120) (140)	(163) 192	(200) (234)	(255) 299	(315) (370)	(367) 431	(477) (560)	(583) (684)	(850) (997)	(1165) (1367)	(1531) (1797)
İzin verilen civata yükü max. Verim noktası % 80 / Permissible bolt load max. 80% of yield point	kN	10.9 12.9	14 17	27 32	43 51	63 74	86 101	118 138	144 169	184 215	228 266	265 310	345 404	421 493	614 719	843 986	1107 1296
(X Sp AS) Test kuvveti DIN EN ISO 898, bölüm 1 / Test force (AS x Sp) to DIN EN ISO 898, part 1	kN	10.9 12.9	17 (20)	30 (35)	48 56	70 82	(96) (112)	(130) 152	(159) (186)	(203) 238	(252) (294)	(293) 342	(381) (445)	(466) (544)	(678) (792)	(930) (1087)	(1222) (1428)
İzin verilen ön gerilme kuvveti max. Verim % 90 Nokta ve sürtünme μ = 0,14 / Permissible pre-stress force max. 90% of yield Point and friction μ = 0,14	kN	10.9 12.9	13 15	25 29	38 44	55 65	77 91	107 125	130 152	167 196	208 243	240 281	315 369	384 449	561 657	773 904	1018 1191
Gerilme öncesi müsade edilen tork değeri Kuvvet ve sürtünme μ = 0,14 / Required torque for permissible pre-stress Force and friction μ = 0,14	Nm	10.9 12.9	14 17	36 43	67 79	120 141	191 223	302 354	405 474	580 679	772 903	994 1163	1455 1703	1930 2258	3378 3953	5415 6337	8162 9571
Müsade edilen kol uzunluğu ön gerilme kuvveti / Required length for lever to achieve permissible pre-stress force	mm	10.9 12.9	42 51	90 110	175 210	300 360	450 550	700 830	920 1100	1200 1470	1560 1860	- -	- -	- -	- -	- -	- -
Standart anahtar ile tork değeri elde etmek mümkündür / Possible torque to obtain with standard spanner, resulting	Nm	-	60	80	90	100	110	125	140	150	170	185	225	240	300	330	410
Öngerilme kuvveti / Prestress force	kN	-	54	53	48	43	43	43	43	42	42	43	45	43	45	46	50
Bu öngerilme kuvveti ile tehlikesi var / With this pre-stress force there is danger of		10.9 12.9	Kırılma breakage		kalıcı deformasyon	permanent deformation				hareket kuvvetinin başlangıcında bağlama ünitesinin gevşemesi loosening of clamping unit at start of motive force							

As = Sembolik kesit mm^2
As = Nominal cross section in mm^2

Sp = Min. N / mm^2 cinsinden sıkma kuvveti
Sp = min. Clamping force in N/mm^2

Rm = Min. N/mm^2 yük faktörü
Rm = min. load factor in N/mm^2

μ = sürtünme
μ = friction

Referans Nr.	dx	x L	b	a	e	k	Sıkma Verileri Tightening Data Nm	kN	(g)
1590-0606025	M6x6	x25	15	5.7	10	4	17	17	8
1590-0606040		x40	28						11
1590-0606063		x63	40						15
1590-0808032	M8x8	x32	22	7.7	12	6	43	32	13
1590-0808050		x50	35						16
1590-0808080		x80	50						20
1590-1010040	M10x10	x40	23	9.7	15	6	79	51	35
1590-1010063		x63	45						45
1590-1010080		x80	50						60
1590-1010100		x100	60						70
1590-1012050	M10x12	x50	35	11.7	18	7	79	51	50
1590-1012063		x63	40						60
1590-1012080		x80	55						65
1590-1012100		x100	60						75
1590-1012125		x125	75						90
1590-1012160		x160	90						105
1590-1012200		x200	120						120
1590-1212050	M12x12	x50	35	11.7	18	7	141	74	65
1590-1212063		x63	40						70
1590-1212080		x80	55						80
1590-1212100		x100	65						100
1590-1212125		x125	75						110
1590-1212160		x160	100						140
1590-1212200		x200	120						160
1590-1214050	M12x14	x50	35	13.7	22	8	141	74	80
1590-1214063		x63	45						90
1590-1214080		x80	55						100
1590-1214100		x100	65						110
1590-1214125		x125	75						135
1590-1214160		x160	100						160
1590-1214200		x200	120						180
1590-1416063	M14x16	x63	45	15.7	25	9	223	101	115
1590-1416080		x80	55						140
1590-1416100		x100	65						160
1590-1416125		x125	75						180
1590-1416160		x160	100						220
1590-1416200		x200	120						255
1590-1416250		x250	150						300
1590-1616063	M16x16	x63	45	15.7	25	9	354	138	140
1590-1616080		x80	55						160
1590-1616100		x100	65						190
1590-1616125		x125	85						225
1590-1616160		x160	100						270
1590-1616200		x200	120						315
1590-1616250		x250	150						380
1590-1618063	M16x18	x63	45	17.7	28	10	354	138	170
1590-1618080		x80	55						185
1590-1618100		x100	65						220
1590-1618125		x125	85						245
1590-1618160		x160	100						295
1590-1618200		x200	120						340
1590-1618250		x250	150						405
1590-1820080	M18x20	x80	55	19.7	32	12	474	169	260
1590-1820100		x100	65						290
1590-1820125		x125	85						340
1590-1820160		x160	110						390
1590-1820200		x200	125						455
1590-1820250		x250	150						535
1590-1820315		x315	190						650
1590-2020080	M20x20	x80	55	19.7	32	12	679	215	300
1590-2020100		x100	65						330
1590-2020125		x125	85						380
1590-2020160		x160	110						450
1590-2020200		x200	125						535
1590-2020250		x250	160						635
1590-2020315		x315	190						760
1590-2022080	M20x22	x80	55	21.7	35	14	679	215	345
1590-2022100		x100	65						380
1590-2022125		x125	85						435
1590-2022160		x160	110						500
1590-2022200		x200	125						590
1590-2022250		x250	150						695
1590-2022315		x315	190						820

Referans Nr.	dx	x L	b	a	e	k	Sıkma Verileri Tightening Data Nm	kN	(g)
1590-2224080	M22x24	x80	55	23.7	40	16	903	266	465
1590-2224100		x100	65						515
1590-2224125		x125	85						580
1590-2224160		x160	110						660
1590-2224200		x200	125						775
1590-2224250		x250	150						805
1590-2224315		x315	190						1050
1590-2424100	M24x24	x100	70	23.7	40	16	1163	310	550
1590-2424125		x125	85						630
1590-2424160		x160	110						725
1590-2424200		x200	125						850
1590-2424250		x250	150						990
1590-2424315		x315	190						1180
1590-2424400		x400	240						1410
1590-2428100	M24x28	x100	70	27.7	44	18	1163	310	660
1590-2428125		x125	85						730
1590-2428160		x160	110						820
1590-2428200		x200	125						950
1590-2428250		x250	150						1090
1590-2428315		x315	190						1300
1590-2428400		x400	240						1530
1590-2428500		x500	290						1800
1590-3036125	M30x36	x125	80	35.6	54	22	2258	493	1280
1590-3036160		x160	110						1440
1590-3036200		x200	135						1620
1590-3036250		x250	150						1880
1590-3036315		x315	200						2150
1590-3036500		x500	300						3010
1590-3642160	M36x42	x160	100	41.6	65	26	3953	719	2260
1590-3642250		x250	175						2890
1590-3642400		x400	250						4010
1590-3642600		x600	340						5900
1590-4248160	M42x48	x160	100	47.6	75	30	6337	986	3550
1590-4248250		x250	175						4530
1590-4248400		x400	250						6160

DIN 787

Ürün Nr. 1590 T-Ayaklı Saplama

- Kalite 12.9
- Siyah kaplama

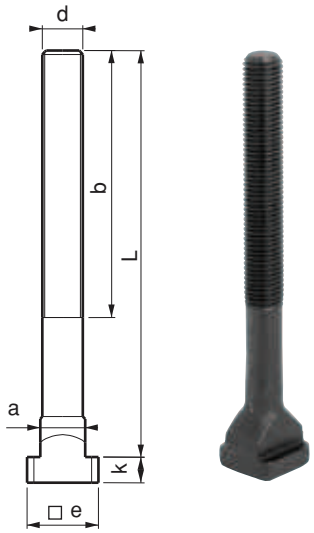
Product Nr. 1590 T-Slot Bolt

- Quality 12.9
- Black coating

Loctite 8150

Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.



Somunlu Pullu T-Ayaklı Saplama

T-Slot Bolt with Nut and Washer

Referans Nr.	dx	x L	b	a	e	k	Sıkma Verileri Tightening Data Nm	kN	(g)
1610-0606025		x25	15						19
1610-0606040	M6x6	x40	28	5.7	10	4	17	17	25
1610-0606063		x63	40						36
1610-0808032		x32	22						39
1610-0808050	M8x8	x50	35	7.7	12	6	43	32	45
1610-0808080		x80	50						56
1610-1010040		x40	23						65
1610-1010063		x63	45						80
1610-1010080	M10x10	x80	50	9.7	15	6	79	51	90
1610-1010100		x100	60						110
1610-1012050		x50	35						85
1610-1012063		x63	40						95
1610-1012080		x80	55						100
1610-1012100	M10x12	x100	60	11.7	18	7	79	51	110
1610-1012125		x125	75						125
1610-1012160		x160	90						140
1610-1012200		x200	120						160
1610-1212050		x50	35						120
1610-1212063		x63	40						128
1610-1212080		x80	55						140
1610-1212100	M12x12	x100	65	11.7	18	7	141	74	160
1610-1212125		x125	75						170
1610-1212160		x160	100						195
1610-1212200		x200	120						220
1610-1214050		x50	35						140
1610-1214063		x63	45						150
1610-1214080		x80	55						155
1610-1214100	M12x14	x100	65	13.7	22	8	141	74	175
1610-1214125		x125	75						195
1610-1214160		x160	100						220
1610-1214200		x200	120						240
1610-1416063		x63	45						200
1610-1416080		x80	55						230
1610-1416100		x100	65						245
1610-1416125	M14x16	x125	75	15.7	25	9	223	101	270
1610-1416160		x160	100						310
1610-1416200		x200	120						340
1610-1416250		x250	150						390
1610-1616063		x63	45						260
1610-1616080		x80	55						285
1610-1616100		x100	65						310
1610-1616125	M16x16	x125	85	15.7	25	9	354	138	345
1610-1616160		x160	100						385
1610-1616200		x200	120						435
1610-1616250		x250	150						505
1610-1618063		x63	45						290
1610-1618080		x80	55						305
1610-1618100		x100	65						340
1610-1618125	M16x18	x125	85	17.7	28	10	354	138	370
1610-1618160		x160	100						415
1610-1618200		x200	120						460
1610-1618250		x250	150						525
1610-1820080		x80	55						405
1610-1820100		x100	65						435
1610-1820125		x125	85						480
1610-1820160	M18x20	x160	110	19.7	32	12	474	169	535
1610-1820200		x200	125						610
1610-1820250		x250	150						680
1610-1820315		x315	190						790
1610-2020080		x80	55						480
1610-2020100		x100	65						515
1610-2020125		x125	85						570
1610-2020160	M20x20	x160	110	19.7	32	12	679	215	635
1610-2020200		x200	125						725
1610-2020250		x250	160						820
1610-2020315		x315	190						950
1610-2022080		x80	55						530
1610-2022100		x100	65						565
1610-2022125		x125	85						620
1610-2022160	M20x22	x160	110	21.7	35	14	679	215	690
1610-2022200		x200	125						775
1610-2022250		x250	150						880
1610-2022315		x315	190						1050

Referans Nr.	dx	x L	b	a	e	k	Sıkma Verileri Tightening Data Nm	kN	(g)
1610-2224080		x80	55						700
1610-2224100		x100	65						740
1610-2224125		x125	85						805
1610-2224160	M22x24	x160	110	23.7	40	16	903	266	890
1610-2224200		x200	125						1000
1610-2224250		x250	150						1115
1610-2224315		x315	190						1280
1610-2424100		x100	70						885
1610-2424125		x125	85						970
1610-2424160		x160	110						1060
1610-2424200	M24x24	x200	125	23.7	40	16	1163	310	1180
1610-2424250		x250	150						1320
1610-2424315		x315	190						1515
1610-2424400		x400	240						1750
1610-2428100		x100	70						1000
1610-2428125		x125	85						1065
1610-2428160		x160	110						1150
1610-2428200	M24x28	x200	125	27.7	44	18	1163	310	1280
1610-2428250		x250	150						1425
1610-2428315		x315	190						1640
1610-2428400		x400	240						1870
1610-2428500		x500	290						2170
1610-3036125		x125	80						1900
1610-3036160		x160	110						2065
1610-3036200	M30x36	x200	135	35.6	54	22	2258	493	2250
1610-3036250		x250	150						2500
1610-3036315		x315	200						2770
1610-3036500		x500	300						3630
1610-3642160		x160	100						3310
1610-3642250	M36x42	x250	175	41.6	65	26	3953	719	3930
1610-3642400		x400	250						5010
1610-3642600		x600	340						6900
1610-4248160		x160	100						4600
1610-4248250	M42x48	x250	175	47.6	75	30	6337	986	5600
1610-4248400		x400	250						7200

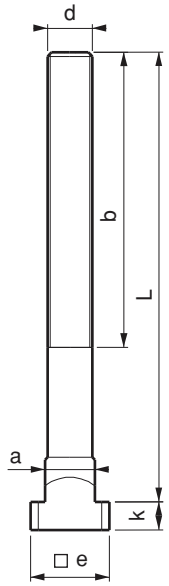
DIN 787

Ürün Nr. 1610 Somunlu Pullu T-Ayaklı Saplama

- Kalite 12.9
- Siyah kaplama

Product Nr. 1610 T-Slot Bolt with Nut and Washer

- Quality 12.9
- Black coating



Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Loctite 8150

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.

Referans Nr.	dx a xL	a	e	k	h-H	e1	e2	c	s	f	sw	Sıkma Verileri Tightening Data Nm	kN	(g)
1630-2022200	M20x22x200	21.7	35	14	25-75	49	69	92	12	30	30	679	215	1635
1630-2022250	M20x22x250	21.7	35	14	70-120	49	69	92	12	30	30	679	215	1720
1630-2424200	M24x24x200	23.7	40	16	25-75	53	74	92	12	30	36	1163	310	2075
1630-2424250	M24x24x250	23.7	40	16	70-120	53	74	92	12	30	36	1163	310	2250
1630-2428200	M24x28x200	27.7	44	18	25-75	53	74	92	12	30	36	1163	310	2180
1630-2428250	M24x28x250	27.7	44	18	70-120	53	74	92	12	30	36	1163	310	2340
1630-3036200	M30x36x200	35.6	54	22	25-75	68	88	94	14	30	46	2258	493	3660
1630-3036250	M30x36x250	35.6	54	22	70-120	68	88	94	14	30	46	2258	493	3910

Ürün Nr. 1630 Kombine T-Ayaklı Saplama

- Ağır preslerde, büyük kalıplarda çalışma esnasında vibrasyondan kaynaklanan olabilecek gevşemeyi somunun kontra sıkma yapısından dolayı önler
- Kalite 12.9
- Siyah kaplama

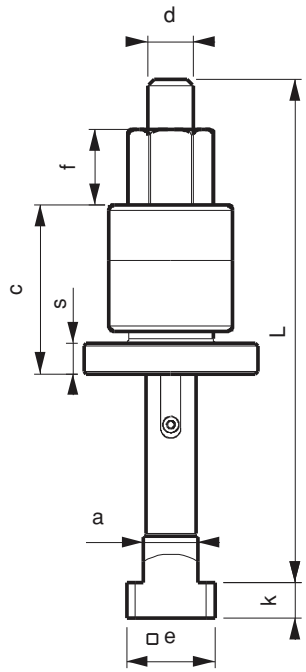
Product Nr. 1630 Combined T-Slot Bolt

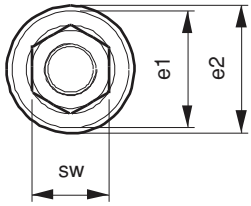
- Because of it's contra tightening structure, it prevents loosening which may be generated by the vibration during working with heavy presses and big moulds.
- Quality 12.9
- Black coating

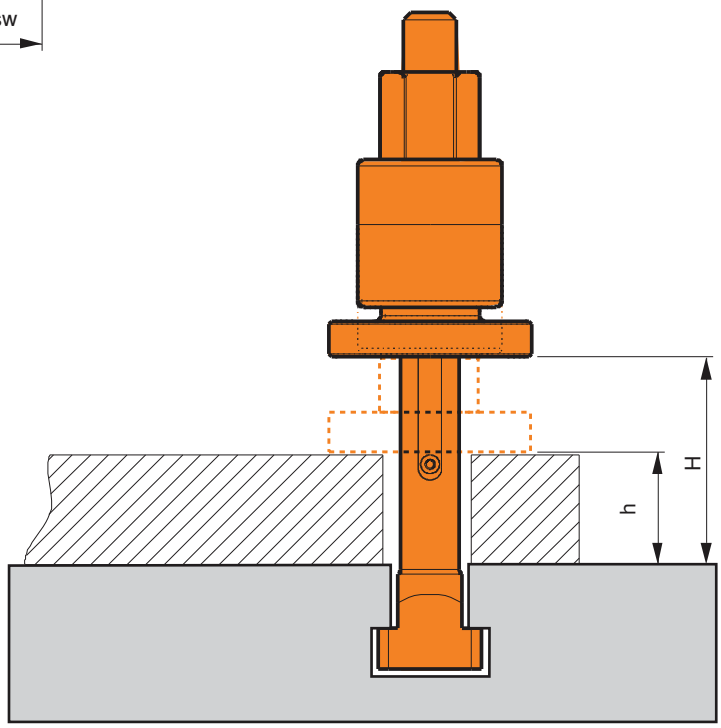
Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.

Loctite 8150



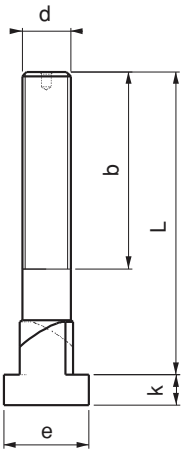




Dereceli T-Ayaklı Saplama

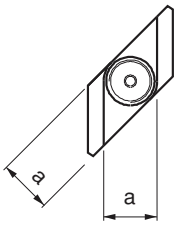
Graded T-Slot Bolt

Referans Nr.	dx	a	x L	b	a	e	k	Sıkma Verileri Tightening Data Nm	kN	(g)
1650-1214050			x50	35						70
1650-1214080	M12x14		x80	55	13.7	22	8	141	74	100
1650-1214125			x125	75						120
1650-1618063			x63	45						160
1650-1618100	M16x18		x100	65	17.7	28	10	354	138	220
1650-1618160			x160	100						280
1650-2022080			x80	55						330
1650-2022125	M20x22		x125	85	21.7	35	14	679	215	430
1650-2022200			x200	120						570
1650-2428100			x100	70						650
1650-2428125	M24x28		x125	85	27.7	44	18	1163	310	770
1650-2428250			x250	150						1150



Ürün Nr. 1650 Dereceli T-Ayaklı Saplama
- T-Kanal pleytlerde üstten T-Kanala girip bağlama özelliği vardır
- Kalite 12.9
- Siyah kaplama

Product Nr. 1650 Graded T-Slot Bolt
- In T-Slot plates it has the feature of making the coupling by entering T-Slot the top.
- Quality 12.9
- Black coating



Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.

Loctite 8150

Anahtar Ağızlı Saplama

Wrench Mouth Stud

Referans Nr.	d	L	b	b1	m	sw	Sıkma Verileri Tightening Data Nm	kN	(g)
1670-12130	M12	130	65	24	14	14	120	63	160
1670-12160		160	90						185
1670-14130	M14	130	65	28	15	15	191	86	216
1670-14160		160	90						246
1670-16140	M16	140	70	32	16	17	302	118	310
1670-16160		160	95						340
1670-18150	M18	150	70	35	19	19	405	144	395
1670-18180		180	95						450
1670-20150	M20	150	70	40	22	22	580	184	520
1670-20180		180	95						575
1670-22150	M22	150	70	40	22	24	772	228	610
1670-22180		180	95						705
1670-24170	M24	170	75	47	22	27	994	265	875
1670-24205		205	105						990
1670-24250		250	140						1125
1670-30250	M30	250	135	55	32	36	1930	421	1950
1670-30315		315	195						2260

Ürün Nr. 1670 Anahtar Ağızlı Saplama
- Kullanım alanı; Enjeksiyon makinalarında ve M12-14-16-18-20-22-24-30 diş açılmış pleytlerde kullanlır.
- Kalite 10.9
- Siyah kaplama

Product Nr. 1670 Wrench Mouth Stud
- Area of Use: This stud is used in injection machines and in plates with M12-14-16-18-20-22-24-30 threads
- Quality 10.9
- Black coating

Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.

Loctite 8150

Referans Nr.	d x L	b1	b	Sıkma Verileri Tightening Data Nm	kN	(g)
1690-08040	M8 x40	11	20	36	27	10
1690-08063	x63		40			15
1690-08080	x80		50			20
1690-08100	x100		63			30
1690-08125	x125		75			35
1690-08160	x160		100			45
1690-10050	M10 x50	13	25	67	43	20
1690-10063	x63		32			25
1690-10080	x80		50			35
1690-10100	x100		63			45
1690-10125	x125		75			55
1690-10160	x160		100			70
1690-10200	x200		125			95
1690-12050	M12 x50	15	25	120	63	35
1690-12063	x63		32			40
1690-12080	x80		50			55
1690-12100	x100		63			70
1690-12125	x125		75			90
1690-12160	x160		100			115
1690-12200	x200		125			140
1690-14063	M14 x63	17	32	191	86	60
1690-14080	x80		50			75
1690-14100	x100		63			95
1690-14125	x125		75			120
1690-14160	x160		100			150
1690-14200	x200		125			195
1690-14250	x250		160			240
1690-16063	M16 x63	19	32	302	118	85
1690-16080	x80		50			105
1690-16100	x100		63			130
1690-16125	x125		75			160
1690-16160	x160		100			205
1690-16200	x200		125			260
1690-16250	x250		160			325
1690-16315	x315		180			405
1690-16500	x500		315			650
1690-18080	M18 x80	23	50	405	144	130
1690-18100	x100		60			160
1690-18125	x125		75			200
1690-18160	x160		100			260
1690-18200	x200		125			320
1690-18250	x250		150			400
1690-18315	x315		180			510
1690-20080	M20 x80	27	32	580	184	155
1690-20100	x100		60			200
1690-20125	x125		70			250
1690-20160	x160		100			330
1690-20200	x200		125			400
1690-20250	x250		160			510
1690-20315	x315		200			640
1690-20400	x400		250			815
1690-20500	x500		315			1020
1690-22100	M22 x100	31	45	772	228	250
1690-22125	x125		70			305
1690-22160	x160		100			400
1690-22200	x200		125			500
1690-22250	x250		160			620
1690-22315	x315		180			780
1690-22400	x400		250			1010
1690-24100	M24 x100	35	45	994	265	290
1690-24125	x125		70			365
1690-24160	x160		100			470
1690-24200	x200		125			580
1690-24250	x250		160			730
1690-24315	x315		200			920
1690-24400	x400		250			1170
1690-24500	x500		315			1470
1690-24630	x630		315			1860
1690-30125	M30 x125	43	56	1930	421	570
1690-30200	x200		125			910
1690-30250	x250		160			1150
1690-30315	x315		200			1435
1690-30500	x500		315			2315
1690-30700	x700		400			3215
1690-301000	x1000		400			4700

Referans Nr.	d x L	b1	b	Sıkma Verileri Tightening Data Nm	kN	(g)
1690-36160	M36 x160	51	80	3378	614	1100
1690-36200	x200		125			1340
1690-36250	x250		160			1710
1690-36315	x315		200			2150
1690-36400	x400		250			2700
1690-36500	x500		315			3450
1690-36700	x700		400			4750
1690-42315	M42 x315	59	200	5415	843	2950
1690-42400	x400		250			3750
1690-42500	x500		315			4690

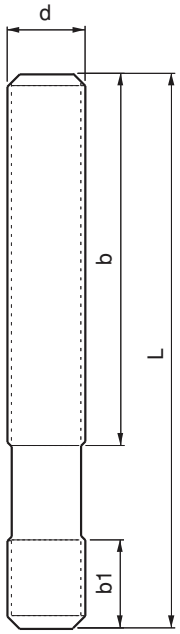
DIN 6379

Ürün Nr. 1690 Düz Saplama

- Kalite 10.9
- Siyah kaplama

Product Nr. 1690 Straight Stud

- Quality 10.9
- Black coating



Not: 150 °C üzerindeki ortamlarda sıkma işlemi yapılırken dişlerin üzerine Loctite 8150 kullanılır.

Note: Environments on the 150 °C when clamping action on the thread Loctite 8150 is used.

Loctite 8150