



BERAT CIVATA

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METRİK VIDALARIN HARİCİ DİŞ TOLERANSLARI

6h	Uzunluk		Dış Dibi k min.	Dış Adımı d ₂ min. max.		Dış Üstü d ₁ min. max.	
	min.	max.		min.	max.	min.	max.
M3	1,5	4,5	3,000	2,675	2,775	2,459	2,599
M4	2	7,5	4,000	3,545	3,663	3,242	3,422
M5	2,5	7,5	5,000	4,480	4,605	4,134	4,334
M6	3	9	6,000	5,350	5,500	4,917	5,153
M7	3	9	7,000	6,350	6,500	5,917	6,153
M8	4	12	8,000	7,188	7,348	6,647	6,912
M10	5	15	10,000	9,026	9,206	8,376	8,676
M12	6	18	12,000	10,863	11,063	10,106	10,441
M14	8	24	14,000	12,701	12,913	11,835	12,210
M16	8	24	16,000	14,701	14,913	13,835	14,210
M18	10	30	18,000	16,376	16,600	15,294	15,744
M20	10	30	20,000	18,376	18,600	17,294	17,744
M22	10	30	22,000	20,376	20,600	19,294	19,774
M24	12	36	24,000	22,051	22,316	20,752	21,252
M27	12	36	27,000	25,051	25,316	23,752	24,252
M30	15	45	30,000	27,727	28,007	26,211	26,771
M33	15	45	33,000	30,727	31,007	29,211	29,771
M36	18	53	36,000	33,402	33,702	31,670	32,270
M39	18	53	39,000	36,402	36,702	34,670	35,270

6h	Uzunluk		Dış Dibi k max. min.		Dış Adımı d ₂ max. min.		Dış Üstü d ₁ max. min.	
	min.	max.	max.	min.	max.	min.	max.	min.
M3	1,5	4,5	2,980	2,874	2,655	2,580	2,367	2,273
M4	2	7,5	3,978	3,838	3,523	3,433	3,119	3,002
M5	2,5	7,5	4,976	4,826	4,456	4,361	3,995	3,869
M6	3	9	5,974	5,794	5,324	5,212	4,747	4,596
M7	3	9	6,974	6,794	6,324	6,212	5,747	5,596
M8	4	12	7,972	7,760	7,160	7,042	6,438	6,272
M10	5	15	9,968	9,732	8,994	8,862	8,128	7,938
M12	6	18	11,966	11,701	10,829	10,679	9,819	9,602
M14	8	24	13,962	13,682	12,663	12,503	11,508	11,271
M16	8	24	15,962	15,682	14,663	14,503	13,508	13,271
M18	10	30	17,958	17,623	16,334	16,164	14,891	14,625
M20	10	30	19,958	18,623	18,334	18,164	16,891	16,625
M22	10	30	21,958	21,623	20,334	20,164	18,891	18,625
M24	12	36	23,952	23,577	22,003	21,803	20,271	19,955
M27	12	36	26,952	26,577	25,003	24,803	23,271	22,955
M30	15	45	29,947	29,522	27,674	27,462	25,653	25,306
M33	15	45	32,947	32,522	30,674	30,462	28,653	28,306
M36	18	53	35,940	35,465	33,342	33,118	31,033	30,655
M39	18	53	38,940	38,465	36,342	36,118	34,033	33,655

7h	Uzunluk		Dış Dibi k min.	Dış Adımı d ₂ min. max.		Dış Üstü d ₁ min. max.	
	min.	max.		min.	max.	min.	max.
M5	2,5	7,5	5,000	4,480	4,640	4,134	4,364
M6	3	9	6,000	5,350	5,540	4,917	5,217
M7	3	9	7,000	6,350	6,540	5,917	6,217
M8	4	12	8,000	7,188	7,388	6,647	6,982
M10	5	15	10,000	9,026	9,250	8,376	8,751
M12	6	18	12,000	10,863	11,113	10,106	10,531
M14	8	24	14,000	12,701	12,966	11,835	12,310
M16	8	24	16,000	14,701	14,966	13,835	14,310
M18	10	30	18,000	16,376	16,656	15,294	15,854
M20	10	30	20,000	18,376	18,656	17,294	17,854
M22	10	30	22,000	20,376	20,656	19,294	19,354
M24	12	36	24,000	22,051	22,386	20,752	21,383
M27	12	36	27,000	25,051	25,386	23,752	24,382
M30	15	45	30,000	27,727	28,082	26,211	26,921
M33	15	45	33,000	30,727	31,082	29,211	29,921
M36	18	53	36,000	33,402	33,770	31,670	32,420
M39	18	53	39,000	36,402	36,777	34,670	35,420

8h	Uzunluk		Dış Dibi k max. min.		Dış Adımı d ₂ max. min.		Dış Üstü d ₁ max. min.	
	max.	min.	max.	min.	max.	min.	max.	min.
M5	2,5	7,5	4,976	4,740	4,456	4,306	3,995	3,814
M6	3	9	5,974	5,694	5,324	5,144	4,747	4,528
M7	3	9	6,974	6,694	6,324	6,144	5,747	5,528
M8	4	12	7,972	7,637	7,160	6,970	6,438	6,200
M10	5	15	9,968	9,593	8,994	8,782	8,128	7,858
M12	6	18	11,966	11,541	10,829	10,593	9,819	9,516
M14	8	24	13,962	13,512	12,663	12,413	11,508	11,181
M16	8	24	15,962	15,512	14,663	14,413	13,508	13,181
M18	10	30	17,958	17,428	16,334	16,069	14,891	14,530
M20	10	30	19,958	19,428	18,334	18,069	16,891	16,530
M22	10	30	21,958	21,428	20,334	20,069	18,891	18,530
M24	12	36	23,952	23,352	22,003	21,688	20,271	19,840
M27	12	36	26,952	26,352	25,003	24,688	23,271	22,840
M30	15	45	29,947	29,277	27,674	27,339	25,653	25,183
M33	15	45	32,947	32,277	30,674	30,339	28,653	28,183
M36	18	53	35,940	35,190	33,342	32,987	31,033	30,524
M39	18	53	38,940	38,190	36,342	35,987	34,033	33,524

ISO METRİK DİŞ ÖLÇÜLERİ 60°

(Iso Metrik Thread Angle 60°)

SERİ 1	M3	M4	M5	M6	M8	M10	M12	M16	M20	M24	M30	M36				
SERİ 2							M14	M18	M22	M27	M33					
NORMAL DİŞ	0,50	0,70	0,80	1,00	1,25	1,50	1,75	2,00	2,00	2,50	2,50	3,00	3,00	3,50	3,50	4,00
İNCE DİŞ					1,00	1,25	1,25	1,50	1,50	1,50	1,50	2,00	2,00	2,00	2,00	3,00
EKSTRA İNCE DİŞ						0,75	1,00	1,00	1,00	1,00	1,00	1,50	1,50	1,50	1,50	1,50