METRICPitch Diameter Chart

STANDARD SERIES METRIC THREADS — EXTERNAL THREADS ONLY (CLASS 6g)
Reference: ANSI-B1.13-1989 and/or FED-STD H28/21

	DIMENSIONS IN MILLIMETERS								DIMENSIONS IN INCHES							
BASIC THREAD DESIGNATION	NOMINAL O.D.	舌	MAJOR		PITCH		MINOR	NOMINAL O.D.		MAJOR		PITCH		MINOR		
			DIA.		DIA.		DIA.		THREADS PER INCH	DIA.		DIA.		DIA.		
		PITCH			444V	4.415.1	(FLAT	MO J.O	ER E			MAN		(FLAT		
	Z		MAX.	MIN.	MAX. G0	MIN. LO	ROOT) MAX.	Z	F &	MAX.	MIN.	MAX. G0	MIN.	ROOT) MAX.		
M1.6x0.35	1.6	0.35	1.581	1.496	1.354	1.291	1.202	.06299	72.57	.06224	.05890	.05331	.05083	.04732		
M2x0.4	2.0	0.40	1.981	1.886	1.721	1.654	1.548	.07874	63.50	.07799	.07425	.06776	.06512	.06094		
M2.5x0.45	2.5	0.45	2.480	2.380	2.188	2.117	1.993	.09843	Park Company of the C	.09764	.09370	.08614	.08335	.07846		
M3x0.5	3.0	0.50	2.980	2.874	2.655	2.580	2.439	.11811	50.80	.11732	.11315	.10453	.10157	.09602		
M3.5x0.6	3.5	0.60	3.479	3.354	3.089	3.004	2.829	.13780	42.33	.13697	.13205	.12161	.11827	.11138		
M4x0.7	4.0	0.70	3.978	3.838	3.523	3.433	3.220	.15748	36.29	.15661	.15110	.13870	.13516	.12677		
M5x0.8	5.0	0.80	4.976	4.826	4.456	4.361	4.110	.19685	31.75	.19591	.19000	.17543	.17169	.16181		
M6x1	6.0	1.00	5.974	5.794	5.324	5.212	4.891	.23622	25.40	.23520	.22811	.20961	.20520	.19256		
M8x1.25	8.0	1.25	7.972	7.760	7.160	7.042	6.619	.31496	20.32	.31386	.30551	.28189	.27724	.26059		
M8x1	8.0	1.00	7.974	7.794	7.324	7.212	6.891	.31496	25.40	.31394	.30685	.28835	.28394	.27130		
M10x1.5	10.0	1.50	9.968	9.732	8.994	8.862	8.344	.39370	16.93	.39244	.38315	.35409	.34890	.32850		
M10x1.25	10.0	1.25	9.972	9.760	9.160	9.042	8.619	.39370	20.32	.39260	.38425	.36063	.35598	.33933		
M10x0.75	10.0	0.75	9.978	9.838	9.491	9.391	9.166	.39370	33.87	.39283	.38732	.37366	.36972	.36087		
M12x1.75	12.0	1.75	11.966	11.701	10.829	10.679	10.072	.47244	14.51	.47110	.46067	.42634	.42043	.39654		
M12x1.5	12.0	1.50	11.968	11.732	10.994	10.854	10.344	.47244	16.93	.47118	.46189	.43283	.42732	.40724		
M12x1.25	12.0	1.25	11.972	11.760	11.160	11.028	10.619	.47244	20.32	.47134	.46299	.43937	.43417	.41807		
M12x1	12.0	1.00	11.974	11.794	11.324	11.206	10.891	.47244	25.40	.47142	.46433	.44583	.44118	.42878		
M14x2	14.0	2.00	13.962	13.682	12.663	12.503	11.797	.55118	12.70	.54969	.53866	.49854	.49224	.46445		
M14x1.5	14.0	1.50	13.968	13.732	12.994	12.854	12.344	.55118	16.93	.54992	.54063	.51157	.50606	.48598		
M15x1	15.0	1.00	14.974	14.794	14.324	14.206	13.891	.59055	25.40	.58953	.58244	.56394	.55929	.54689		
M16x2	16.0	2.00	15.962	15.682	14.663	14.503	13.797	.62992	12.70	.62843	.61740	.57728	.57098	.54319		
M16x1.5	16.0	1.50	15.968	15.732	14.994	14.854	14.344	.62992	16.93	.62866	.61937	.59031	.58480	.56472		
M17x1	17.0	1.00	16.974	16.794	16.324	16.206	15.891	.66929	25.40	.66827	.66118	.64268	.63803	.62563		
M18x1.5	18.0	1.50	17.968	17.732	16.994	16.854	16.344	.70866	16.93	.70740	.69811	.66906	.66354	.64346		
M20x2.5	20.0	2.50	19.958	19.623	18.334	18.164	17.252	.78740	10.16	.78575	.77256	.72181	.71512	.67921		
M20x1.5	20.0	1.50	19.968	19.732	18.994	18.854	18.344	.78740	16.93	.78614	.77685	.74780	.74228	.72220		
M20x1	20.0	1.00	19.974	19.794	19.324	19.206	18.891	.78740	25.40	.78638	.77929	.76079	.75614	.74374		
M22x2.5	22.0	2.50	21.958	21.623	20.334	20.164	19.252	.86614		.86449	.85130	.80055	.79386	.75795		
M22x1.5	22.0	1.50	21.968	21.732	20.994	20.854	20.344	.86614	200000000000000000000000000000000000000	.86488	.85559	.82654	.82102	.80094		
M24x3	24.0	3.00	23.952	23.577	22.003	21.803	20.704	.94488	8.47	.94299	.92823	.86626	.85839	.81512		
M24x2	24.0	2.00	23.962	23.682	22.663	22.493	21.797	.94488	12.70	.94339	.93236	.89224	.88555	.85815		
M25x1.5	25.0	1.50	24.968	24.732	23.994	23.844	23.344	.98425		.98299	.97370	.94465	.93874	.91906		
M27x3	27.0	3.00	26.952	26.577	25.003	24.803	23.744	1.06299	***************************************	1.06110	1.04634	.98437	.97650	.93480		
M27x2	27.0	2.00	26.962	26.682	25.663	25.493	24.797	1.06299		1.06150		1.01035	1.00366	.97626		
M30x3.5	30.0	3.50	29.947	29.522	27.674	27.462	26.158	1.18110		1.17902		1.08953	1.08118	1.02984		
M30x2	30.0	2.00	29.962	29.682	28.663	28.493	27.797	1.18110		1.17961	1.16858	1.12846	1.12177	1.09437		
M30x1.5	30.0	1.50	29.968	29.732	28.994	28.844	28.344		100000000000000000000000000000000000000	1.17984	USAN DESCRIPTION OF THE PARTY O	1.14150	1.13559	1.11591		
M33x2	33.0	2.00	32.962	32.682	31.663	31.493	30.797	1.29921		1.29772		1.24657	1.23988	1.21248		
M35x1.5	35.0	1.50	34.968	34.732	33.994	33.844	33.344	1.37795		1.37669		1.33835		1.31276		
M36x4	36.0	4.00	35.940	35.465	33.342	33.118	31.610	1.41732		1.41496	815-915-825	1.31268	1.30386	1.24449		
M36x2	36.0	2.00	35.962	35.682	34.663	34.493	33.797	1.41732	/ 1000 - 1000 - 1000	1.41583		1.36469	1.35799	1.33059		
M39x2	39.0	2.00	38.962	38.682	37.663	37.493	36.797	1.53543	12.70	1.53394	1.52291	1.48280	1.47610	1.44870		

METRIC Pitch Diameter Chart

STANDARD SERIES METRICTHREADS — INTERNAL (Nut) THREADS ONLY (CLASS 6H)
Reference: ANSI-B1.13-1989 and/or FED-STD H28/21

DIMENSIONS IN MILLIMETERS DIMENSIONS IN MILLIMETERS											NSIONS IN	NINCHES			
BASIC THREAD DESIGNATION	10	PITCH	MAJOR PITCH			MINOR		w.		MAJOR PITCH			MINOR		
	NOMINAL 0.D.		DIA.	DIA.		DIA.		JA.	SE	DIA.	DIA.		DIA.		
			MIN. (MUST CLEAR)	MIN. GO	MAX. HI	MIN.	MAX.	NOMINAL 0.D.	THREADS PER INCH	MIN. (MUST CLEAR)	MIN. GO	MAX. HI	MIN.	MAX.	
M1.6x0.35	1.6	0.35	1.600	1.373	1.458	1.221	1.321	.06299	72.57	.06299	.05406	.05740	.04807	.05201	
M2x0.4	2.0	0.40	2.000	1.740	1.830	1.567	1.679	.07874	63.50	.07874	.06850	.07205	.06169	.06610	
M2.5x0.45	2.5	0.45	2.500	2.208	2.303	2.013	2.138	.09843	56.44	.09843	.08693	.09067	.07925	.08417	
M3x0.5	3.0	0.50	3.000	2.675	2.775	2.459	2.599	.11811	50.80	.11811	.10531	.10925	.09681	.10232	
M3.5x0.6	3.5	0.60	3.500	3.110	3.222	2.850	3.010	.13780	42.33	.13780	.12244	.12685	.11220	.11850	
M4x0.7	4.0	0.70	4.000	3.545	3.663	3.242	3.422	.15748	36.29	.15748	.13957	.14421	.12764	.13472	
M5x0.8	5.0	0.80	5.000	4.480	4.605	4.134	4.334	.19685	31.75	.19685	.17638	.18130	.16276	.17063	
M6x1	6.0	1.00	6.000	5.350	5.500	4.917	5.153	.23622	25.40	.23622	.21063	.21654	.19358	.20287	
M8x1.25	8.0	1.25	8.000	7.188	7.348	6.647	6.912	.31496	20.32	.31496	.28299	.28929	.26169	.27213	
M8x1	8.0	1.00	8.000	7.350	7.500	6.917	7.153	.31496	25.40	.31496	.28937	.29528	.27232	.28161	
M10x1.5	10.0	1.50	10.000	9.026	9.206	8.376	8.676	.39370	16.93	.39370	.35535	.36244	.32976	.34157	
M10x1.25	10.0	1.25	10.000	9.188	9.348	8.647	8.912	.39370	20.32	.39370	.36173	.36803	.34043	.35087	
M10.0.75	10.0	0.75	10.000	9.513	9.645	9.188	9.378	.39370	33.87	.39370	.37453	.37972	.36173	.36921	
M12x1.75	12.0	1.75	12.000	10.863	11.063	10.106	10.441	.47244	14.51	.47244	.42768	.43555	.39787	.41106	
M12x1.5	12.0	1.50	12.000	11.026	11.216	10.376	10.676	.47244	16.93	.47244	.43409	.44157	.40850	.42031	
M12x1.25	12.0	1.25	12.000	11.188	11.368	10.647	10.912	.47244	20.32	.47244	.44047	.44756	.41917	.42961	
M12x1	12.0	1.00	12.000	11.350	11.510	10.917	11.153	.47244	25.40	.47244	.44685	.45315	.42980	.43909	
M14x2	14.0	2.00	14.000	12.701	12.913	11.835	12.210	.55118	12.70	.55118	.50004	.50839	.46594	.48071	
M14x1.5	14.0	1.50	14.000	13.026	13.216	12.376	12.676	.55118	16.93	.55118	.51283	.52031	.48724	.49906	
M15x1	15.0	1.00	15.000	14.350	14.510	13.917	14.153	.59055	25.40	.59055	.56496	.57126	.54791	.55720	
M16x2	16.0	2.00	16.000	14.701	14.913	13.835	14.210	.62992	12.70	.62992	.57878	.58713	.54469	.55945	
M16x1.5	16.0	1.50	16.000	15.026	15.216	14.376	14.676	.62992	16.93	.62992	.59157	.59906	.56598	.57780	
M17x1	17.0	1.00	17.000	16.350	16.510	15.917	16.153	.66929	25.40	.66929	.64370	.65000	.61886	.63594	
M18x1.5	18.0	1.50	18.000	17.026	17.216	16.376	16.676	.70866	16.93	.70866	.67031	.67780	.64472	.65654	
M20x2.5	20.0	2.50	20.000	18.376	18.600	17.294	17.744	.78740	10.16	.78740	.72346	.73228	.68087	.69858	
M20x1.5	20.0	1.50	20.000	19.026	19.216	18.376	18.676	.78740	16.93	.78740	.74906	.75654	.72346	.73528	
M20x1	20.0	1.00	20.000	19.350	19.510	18.917	19.153	.78740	J. S. A. A. P. TOOLE	.78740	.76181	.76811	.74476	.75406	
M22x2.5	22.0	2.50	22.000	20.376	20.600	19.294	19.744	.86614		.86614	.80220	.81102	.75961	.77732	
M22x1.5	22.0	1.50	22.000	21.026	21.216	20.376	20.676	.86614	16.93	.86614	.82780	.83528	.80220	.81402	
M24x3	24.0	3.00	24.000	22.051	22.316	20.752	21.252	.94488	8.47	.94488	.86815	.87858	.81701	.83669	
M24x2	24.0	2.00	24.000	22.701	22.925	21.835	22.210	.94488	12.70	.94488	.89374	.90256	.85965	.87441	
M25x1.5	25.0	1.50	25.000	24.026	24.226	23.376	23.676	.98425	16.93	.98425	.94591	.95378	.92031	.93213	
M27x3	27.0	3.00	27.000	25.051	25.316	23.752	24.252	1.06299	8.47		.98626	.99669	.93512	.95480	
M27x2	27.0	2.00	27.000	25.701	25.925	24.835	25.210	1.06299	I PATOSTAN	1.06299	1.01185	1.02067	.97776	.99252	
M30x3.5	30.0	3.50	30.000	27.727	28.007	26.211	26.771	1.18110	V	1.18110		1.10264	1.03193	1.05398	
M30x2	30.0	2.00	30.000	28.701	28.925	27.835	28.210	1 3 5 C The Children 1 1 5 2 5 5	110400,7500	1.18110	DOMESTIC BOARDS	1.13878	5,496557,0557,057	1.11063	
M30x1.5	30.0	1.50	30.000	29.026	29.226	28.376	28.676			1.18110				1.11003	
M33x2	33.0	2.00	33.000	31.701	31.925	30.835	31.210	1.29921	N-10-027744 N.A.	1.29921	1.24807	1.25689	1.21398	1.22874	
M35x1.5	35.0	1.50	35.000	34.026	34.226	33.376	33.676	1.37795	Transmission of	1.37795	1.33961	1.34748	A DESCRIPTION OF THE PARTY OF T	1.32559	
M36x4	36.0	4.00	36.000	33.402	33.702	31.670	32.270	1.41732	77.5-578YL-50,8758	1.41732	In the State of th	1.32685	7547.4-C4032-77.7A-000	1.27047	
M36x2	36.0	2.00	36.000	34.701	34.925	33.835	34.210	1.41732	-	1.41732		1.37500		1.34685	
			Total Control Control								The state of the s			1.46496	
M39x2	39.0	2.00	39.000	37.701	37.925	36.835	37.210	1.53543	12./0	1.53543	1.48429	1.49311	1.45020	1.40496	