

Metric Fine Thread Dimensions — ISO 724

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Engineering Reference · Metric Fine Thread Dimensions

Metric Fine Thread Dimensions to ISO 724. Full dimensional table, materials, finishes and quotation. 36 sizes listed.



Metric Fine Thread Dimensions conform to ISO 724. As engineering reference, they are specified by the dimensions in the table below; this page also covers materials, finishes and typical uses.

About This Reference

This is an engineering reference table for metric fine thread dimensions based on ISO 724. Use it alongside our fastener catalog when selecting and specifying parts.

Reference Data (ISO 724)

Size x Pitch	Pitch (mm)	Pitch diameter d2/D2 (mm)	Minor dia external d3 (mm)	Minor dia internal D1 (mm)	Stress area (mm ²)	Reference standard
M8x1	1.0	7.35	6.773	6.917	39.2	ISO 724 fine thread
M8x0.75	0.75	7.513	7.08	7.188	44.2	ISO 724 fine thread
M10x1.25	1.25	9.188	8.466	8.647	61.2	ISO 724 fine thread
M10x1.0	1.0	9.35	8.773	8.917	64.5	ISO 724 fine thread
M10x0.75	0.75	9.513	9.08	9.188	72.7	ISO 724 fine thread
M12x1.5	1.5	11.026	10.16	10.376	88.1	ISO 724 fine thread
M12x1.25	1.25	11.188	10.466	10.647	92.1	ISO 724 fine thread
M12x1.0	1.0	11.35	10.773	10.917	98.0	ISO 724 fine thread
M14x1.5	1.5	13.026	12.16	12.376	125.0	ISO 724 fine thread
M14x1.25	1.25	13.188	12.466	12.647	131.0	ISO 724 fine thread
M16x1.5	1.5	15.026	14.16	14.376	167.0	ISO 724 fine thread
M16x1.0	1.0	15.35	14.773	14.917	182.0	ISO 724 fine thread
M18x2.0	2.0	16.701	15.546	15.835	216.0	ISO 724 fine thread
M18x1.5	1.5	17.026	16.16	16.376	232.0	ISO 724 fine thread
M18x1.0	1.0	17.35	16.773	16.917	250.0	ISO 724 fine thread

Size x Pitch	Pitch (mm)	Pitch diameter d2/D2 (mm)	Minor dia external d3 (mm)	Minor dia internal D1 (mm)	Stress area (mm ²)	Reference standard
M20x2.0	2.0	18.701	17.546	17.835	272.0	ISO 724 fine thread
M20x1.5	1.5	19.026	18.16	18.376	290.0	ISO 724 fine thread
M20x1.0	1.0	19.35	18.773	18.917	311.0	ISO 724 fine thread
M22x2.0	2.0	20.701	19.546	19.835	333.0	ISO 724 fine thread
M22x1.5	1.5	21.026	20.16	20.376	353.0	ISO 724 fine thread
M24x2.0	2.0	22.701	21.546	21.835	384.0	ISO 724 fine thread
M24x1.5	1.5	23.026	22.16	22.376	407.0	ISO 724 fine thread
M27x2.0	2.0	25.701	24.546	24.835	496.0	ISO 724 fine thread
M30x2.0	2.0	28.701	27.546	27.835	621.0	ISO 724 fine thread
M30x1.5	1.5	29.026	28.16	28.376	647.0	ISO 724 fine thread
M33x2.0	2.0	31.701	30.546	30.835	761.0	ISO 724 fine thread
M36x3.0	3.0	34.051	32.319	32.752	865.0	ISO 724 fine thread
M36x2.0	2.0	34.701	33.546	33.835	915.0	ISO 724 fine thread
M39x3.0	3.0	37.051	35.319	35.752	1030.0	ISO 724 fine thread
M42x3.0	3.0	40.051	38.319	38.752	1210.0	ISO 724 fine thread

Size x Pitch	Pitch (mm)	Pitch diameter d2/D2 (mm)	Minor dia external d3 (mm)	Minor dia internal D1 (mm)	Stress area (mm ²)	Reference standard
M45x3.0	3.0	43.051	41.319	41.752	1410.0	ISO 724 fine thread
M48x3.0	3.0	46.051	44.319	44.752	1600.0	ISO 724 fine thread
M52x3.0	3.0	50.051	48.319	48.752	1900.0	ISO 724 fine thread
M56x4.0	4.0	53.402	51.093	51.67	2180.0	ISO 724 fine thread
M60x4.0	4.0	57.402	55.093	55.67	2520.0	ISO 724 fine thread
M64x4.0	4.0	61.402	59.093	59.67	2850.0	ISO 724 fine thread

Related Fasteners

- [Tightening Torque Reference — ISO 898 \(reference\)](#)
- [Bolt Property Classes — ISO 898-1](#)
- [Clearance Hole Sizes — ISO 273](#)
- [Tap Drill Sizes — ISO 2306 \(reference\)](#)
- [Metric Thread Dimensions — ISO 724 / ISO 965](#)

Frequently Asked Questions

What does the Metric Fine Thread Dimensions reference table cover?

Metric Fine Thread Dimensions is an engineering reference table aligned with ISO 724. Use the values alongside our fastener catalog when selecting and specifying parts.

How do I request a quotation?

Use the parametric drawing on this page to set the exact configuration (size, material, finish) and click "Request this configuration" — a specialist from engineeringhardware.com will respond within one business day.

More Engineering Reference

[← Previous](#)[Tightening Torque Reference](#)[ISO 898 \(reference\)](#)[Next →](#)[Tap Drill Sizes](#)[ISO 2306 \(reference\)](#)