

Metric Coarse

Size in mm	Pitch size in mm	Drill size in mm
M1.6	0.35	1.25
M1.7	0.35	1.35
M1.8	0.35	1.45
M2	0.40	1.60
M2.2	0.45	1.75
M2.3	0.45	1.90
M2.5	0.45	2.05
M2.6	0.45	2.10
M3	0.50	2.50
M3.5	0.60	2.90
M4	0.70	3.30
M5	0.80	4.20
M6	1.00	5.00
M7	1.00	6.00
M8	1.25	6.80
M9	1.25	7.80
M10	1.50	8.50
M12	1.75	10.30
M14	2.00	12.00
M16	2.00	14.00
M18	2.50	15.50
M20	2.50	17.50
M22	2.50	19.50
M24	3.00	21.00
M27	3.00	24.00
M30	3.50	26.50
M33	3.50	29.50
M36	4.00	32.00
M39	4.00	35.00
M42	4.50	37.50
M45	4.50	40.50
M48	5.00	43.00

Metric Fine

Tap size in mm	Pitch size in mm	Drill size in mm
M3	0.35	2.65
M3.5	0.35	3.20
M4	0.50	3.50
M5	0.50	4.50
M6	0.75	5.25
M7	0.75	6.30
M8	0.50	7.50

M8	1.00	7.00
M9	1.00	8.00
M10	0.75	9.30
M10	1.00	9.00
M10	1.25	8.80
M12	1.00	11.00
M12	1.12	10.50
M14	1.00	13.00
M14	1.50	12.50
M16	1.00	15.00
M16	1.50	14.50
M18	1.00	17.00
M18	1.50	16.50
M20	1.50	18.50
M22	1.50	20.50
M24	1.00	23.00
M24	1.50	22.50
M2.5	1.00	24.00
M26	1.50	24.50
M27	1.50	25.50
M28	1.50	26.50
M30	1.50	28.50
M32	1.50	30.00
M33	2.00	31.00
M35	1.50	33.50
M36	2.00	34.00
M36	3.00	33.00

UNC

Tap size	TPI	Drill size in mm
NO.2	56	1.80
NO.4	40	2.35
NO.5	40	2.65
NO.6	32	2.85
NO.8	32	3.50
NO.10	24	3.90
NO.12	24	4.50
1/4"	20	5.10
5/16"	18	6.60
3/8"	16	8.00
7/16"	14	9.40
1/2"	13	10.80
9/16"	12	12.20
5/8"	11	13.50
3/4"	10	16.50
7/8"	9	19.50
1"	8	22.50

1.1/8"	7	25.00
1.1/4"	7	28.00
1.3/8"	6	30.50
1.1/2"	6	34.00

UNF

Tap size	TPI	Drill size in mm
NO.2	64	1.90
NO.3	56	2.10
NO.4.	48	2.40
NO.5	44	2.70
NO.6	40	2.95
NO.8	36	3.50
NO.10	32	4.10
NO.12	28	4.70
1/4"	28	5.50
5/16"	24	6.90
3/8"	24	8.50
7/16"	20	9.90
1/2"	20	11.50
9/16"	18	12.90
5/8"	18	14.50
3/4"	16	17.50
7/8"	14	20.50
1"	12	23.25
1.1/8"	12	26.50
1.1/4"	12	29.50
1.3/8"	12	33.00
1.1/2"	12	36.00

BSW

Tap size	TPI	Drill size in mm
1/16"	60	1.20
3/32"	48	1.90
1/8"	40	2.50
5/32"	32	3.20
3/16"	24	3.60
7/32"	24	4.50
1/4"	20	5.10
9/32"	20	5.80
5/16"	18	6.50
3/8"	16	7.90
7/16	14	9.30

1/2"	12	10.50
9/16"	12	12.10
5/8"	11	13.50
11.16"	11	15.10
3/4"	10	16.25
7/8"	9	19.25
15/16"	9	20.60
1"	8	22.00
1.1/8"	7	24.75
1.1/4"	7	28.00
1.3/8"	6	30.10
1.1/2"	6	33.50
1.5/8"	5	35.70
1.3/4"	5	39.00

BSF

Tap size	TPI	Drill size in mm
3.16"	32	4.00
7/32"	28	4.60
1/4"	26	5.30
9/32"	26	6.00
5/16"	22	6.80
3/8"	20	8.30
7/16"	18	9.70
1/2"	16	11.10
9/16"	16	12.70
5/8"	14	14.00
11.16"	14	15.50
3/4"	12	16.75
7/8"	11	19.75
15/16"	11	21.50
1"	10	22.75
1.1/8"	9	25.50
1.1/4"	9	28.50
1.3/8"	8	31.50
1.1/2"	8	34.50
1.5/8"	8	37.70
1.3/4"	7	41.00

BSP

Tap size	TPI	Drill size in mm
1/8"	28	8.80
1/4"	19	11.80
3/8"	19	15.25
1/2"	14	19.00
5/8"	14	21.00
3/4"	14	24.50
7/8"	14	28.00
1"	11	30.50
1.1/4"	11	39.50
1.1/2"	11	45.00
1.3/4	11	51.00
2"	11	57.00
2.1/4"	11	63.00
2.1/2"	11	72.50
2.3/4"	11	79.00
3"	11	85.50

NPT

Tap size	TPI	Drill size in mm
1/16"	27	6.30
1/8"	27	8.50
1/4"	18	11.00
3/8"	18	14.50
1/2"	14	18.00
3/4"	14	23.00
1"	11.5	29.00
1.1/4"	11.5	38.00
1.1/2"	11.5	44.00
2"	11.5	56.00
2.1/2"	8	67.00
3"	8	83.00

NPTF

Tap size	TPI	Drill size in mm
1/16"	27	6.20
1/8"	27	8.40
1/4"	18	10.90
3/8"	18	14.25
1/2"	14	17.25
3/4"	14	23.00
1"	11.5	29.00
1.1/4"	11.5	37.75
1.1/2"	11.5	43.75
2"	11.5	55.75
2.1/2"	8	66.50
3"	8	82.50

NPSM

Tap size	TPI	Drill size in mm
1/8"	27	9.10
1/4"	18	12.00
3/8"	18	15.50
1/2"	14	19.00
3/4"	14	24.50
1"	11.5	30.50
1.1/4"	11.5	39.50
1.1/2"	11.5	45.50
2"	11.5	57.50
2.1/2"	8	69.00
3"	8	85.00

NPSF

Tap size	TPI	Drill size in mm
1/8"	27	8.70
1/4"	18	11.30
3/8"	18	14.75
1/2"	14	18.25
3/4"	14	23.50
1"	11.5	29.50

STI

Size in mm	Pitch size in mm	Drill size in mm
M2	0.40	2.10
M2.5	0.45	2.65
M3	0.50	3.10
M3.5	0.60	3.70
M4	0.70	4.20
M5	0.80	5.20
M6	1.00	6.30
M7	1.00	7.30
M8	1.25	8.35
M8	1.00	8.30
M9	1.25	9.35
M10	1.50	10.40
M10	1.25	10.35
M10	1.00	10.30
M11	1.50	11.40
M12	1.75	12.55
M12	1.50	12.50
M12	1.25	12.35
M12	1.00	12.30
M14	2.00	14.60
M14	1.50	14.50
M14	1.25	14.35
M14	1.00	14.30
M16	2.00	16.60
M16	1.50	16.50
M18	2.50	18.80
M18	2.00	18.60
M18	1.50	18.50
M20	2.50	20.80
M20	2.00	20.60
M20	1.50	20.50
M22	2.50	22.80
M22	2.00	22.60
M22	1.50	22.50
M24	3.00	24.90
M24	2.00	24.60
M24	1.50	24.50