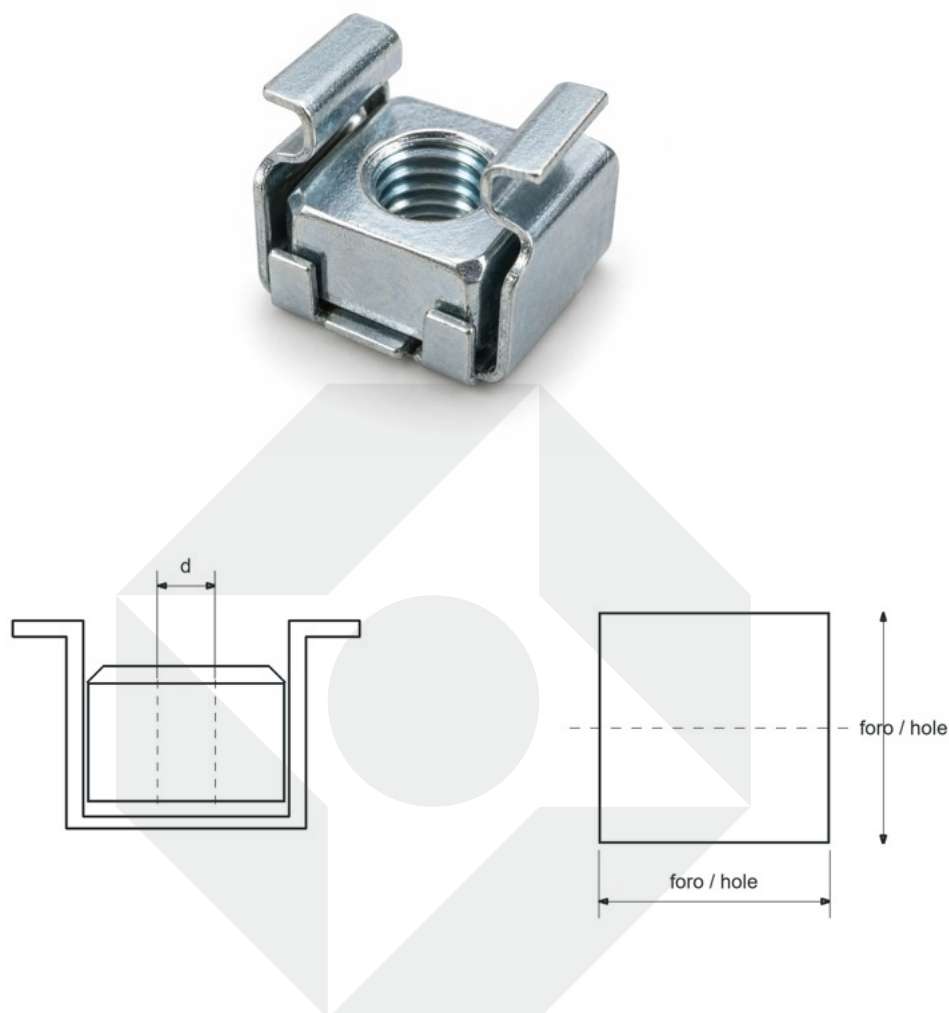


Square-hole cage nuts

A floating threaded nut retained in a spring cage, selected by panel hole and sheet thickness.



Type identification drawing, not a manufacturing drawing. Dimensions in mm; metric coarse thread. Hole and permitted sheet thickness depend on the variant.

Mounting

Standard

Check hole, thickness, accessibility and engagement before tightening. Supply on request; no inventory quantities or stock availability are declared.

Nut material and cage material

Nut	Nut class	Cage	Finish
Steel	6	Spring steel	Clear zinc plated

Technical enquiry

Specify thread, pitch, hole shape and size, sheet thickness, nut material, cage material, finish, quantity, annual consumption and application. Attach a drawing for profile and custom versions.



Mounting compatibility

Hole: 5.3 × 5.3 mm

M3

Thread	Pitch	Min. thickness	Max. thickness
M3	0.5	0.3	0.9
M3	0.5	1	1.6
M3	0.5	1.7	2.3
M3	0.5	2.4	3.1

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
3	0.3–0.9	9.8	8.5	4.8	0.3	9.8	3.7	5.1
3	1–1.6	9.8	8.5	4.8	0.3	9.8	3.7	5.8
3	1.7–2.3	9.8	8.5	4.8	0.3	9.8	3.7	6.6
3	2.4–3.1	9.8	8.5	4.8	0.3	9.8	3.7	7.6

Mounting compatibility

Hole: 5.3 × 5.3 mm

M4

Thread	Pitch	Min. thickness	Max. thickness
M4	0.7	0.3	0.9
M4	0.7	1	1.6
M4	0.7	1.7	2.3
M4	0.7	2.4	3.1

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
4	0.3–0.9	9.8	8.5	4.8	0.3	9.8	3.7	5.1
4	1–1.6	9.8	8.5	4.8	0.3	9.8	3.7	5.8
4	1.7–2.3	9.8	8.5	4.8	0.3	9.8	3.7	6.6
4	2.4–3.1	9.8	8.5	4.8	0.3	9.8	3.7	7.6

Mounting compatibility

Hole: 5.6 × 5.6 mm

M5

Thread	Pitch	Min. thickness	Max. thickness
M5	0.8	0.3	0.9
M5	0.8	1	1.6
M5	0.8	1.7	2.3
M5	0.8	2.4	3.1

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
5	0.3–0.9	9.8	8.5	4.8	0.3	9.8	3.7	5.1
5	1–1.6	9.8	8.5	4.8	0.3	9.8	3.7	5.8
5	1.7–2.3	9.8	8.5	4.8	0.3	9.8	3.7	6.6
5	2.4–3.1	9.8	8.5	4.8	0.3	9.8	3.7	7.6

Mounting compatibility

Hole: 6.7 × 6.7 mm

M3

Thread	Pitch	Min. thickness	Max. thickness
M3	0.5	0.7	1.6
M3	0.5	1.7	2.6

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
3	0.7–1.6	10	8.5	5.8	0.45	10.5	5	7.2
3	1.7–2.6	10	8.5	5.8	0.45	10.5	5	8.2



Mounting compatibility

Hole: 6.7 × 6.7 mm

M4

Thread	Pitch	Min. thickness	Max. thickness
M4	0.7	0.7	1.6
M4	0.7	1.7	2.6

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
4	0.7–1.6	10	8.5	5.8	0.45	10.5	5	7.2
4	1.7–2.6	10	8.5	5.8	0.45	10.5	5	8.2



Mounting compatibility

Hole: 6.7 × 6.7 mm

M5

Thread	Pitch	Min. thickness	Max. thickness
M5	0.8	0.7	1.6
M5	0.8	1.7	2.6

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
5	0.7–1.6	10	8.5	5.8	0.45	10.5	5	7.2
5	1.7–2.6	10	8.5	5.8	0.45	10.5	5	8.2



Mounting compatibility

Hole: 8.3 × 8.3 mm

M4

Thread	Pitch	Min. thickness	Max. thickness
M4	0.7	0.3	1.1
M4	0.7	1.2	1.6
M4	0.7	1.7	2.5
M4	0.7	2.6	3.5
M4	0.7	3.6	4.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
4	0.3–1.1	12	10.8	7.2	0.45	12.5	6	8
4	1.2–1.6	12	10.8	7.2	0.45	12.5	6	8.3
4	1.7–2.5	12	10.8	7.2	0.45	12.5	6	9.3
4	2.6–3.5	12	10.8	7.2	0.45	12.5	6	10.1
4	3.6–4.5	12	10.8	7.2	0.45	12.5	6	11

Mounting compatibility

Hole: 8.3 × 8.3 mm

M5

Thread	Pitch	Min. thickness	Max. thickness
M5	0.8	0.3	1.1
M5	0.8	1.2	1.6
M5	0.8	1.7	2.5
M5	0.8	2.6	3.5
M5	0.8	3.6	4.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
5	0.3–1.1	12	10.8	7.2	0.45	12.5	6	8
5	1.2–1.6	12	10.8	7.2	0.45	12.5	6	8.3
5	1.7–2.5	12	10.8	7.2	0.45	12.5	6	9.3
5	2.6–3.5	12	10.8	7.2	0.45	12.5	6	10.1
5	3.6–4.5	12	10.8	7.2	0.45	12.5	6	11

Mounting compatibility

Hole: 8.3 × 8.3 mm

M6

Thread	Pitch	Min. thickness	Max. thickness
M6	1	0.3	1.1
M6	1	1.2	1.6
M6	1	1.7	2.5
M6	1	2.6	3.5
M6	1	3.6	4.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
6	0.3–1.1	12	10.8	7.2	0.45	12.5	6	8
6	1.2–1.6	12	10.8	7.2	0.45	12.5	6	8.3
6	1.7–2.5	12	10.8	7.2	0.45	12.5	6	9.3
6	2.6–3.5	12	10.8	7.2	0.45	12.5	6	10.1
6	3.6–4.5	12	10.8	7.2	0.45	12.5	6	11

Mounting compatibility

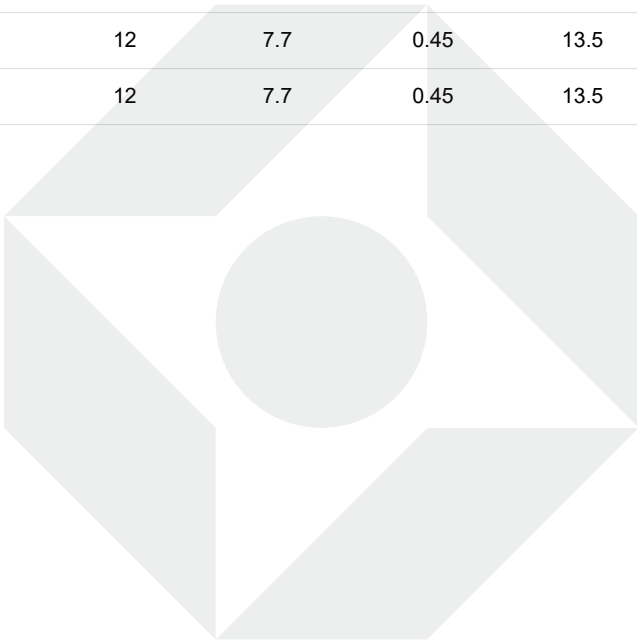
Hole: 9.5 × 9.5 mm

M4

Thread	Pitch	Min. thickness	Max. thickness
M4	0.7	0.7	1.6
M4	0.7	1.7	2.6
M4	0.7	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
4	0.7–1.6	13	12	7.7	0.45	13.5	6	8.6
4	1.7–2.6	13	12	7.7	0.45	13.5	6	9.5
4	2.7–3.5	13	12	7.7	0.45	13.5	6	10.2



Mounting compatibility

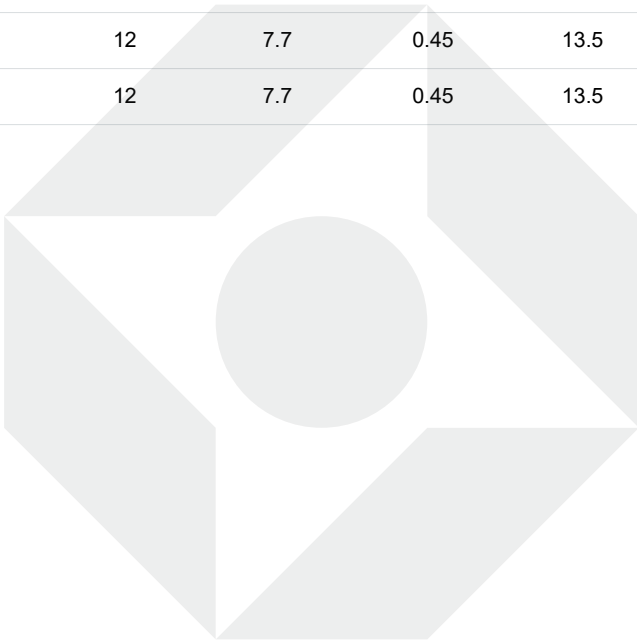
Hole: 9.5 × 9.5 mm

M5

Thread	Pitch	Min. thickness	Max. thickness
M5	0.8	0.7	1.6
M5	0.8	1.7	2.6
M5	0.8	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
5	0.7–1.6	13	12	7.7	0.45	13.5	6	8.6
5	1.7–2.6	13	12	7.7	0.45	13.5	6	9.5
5	2.7–3.5	13	12	7.7	0.45	13.5	6	10.2



Mounting compatibility

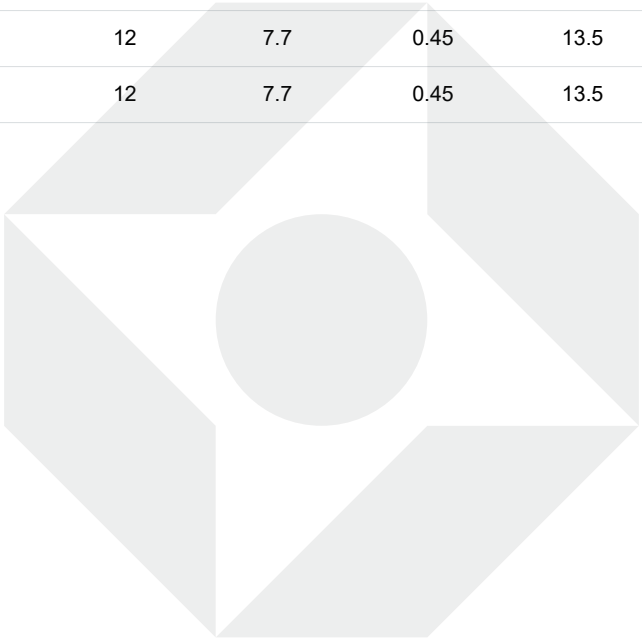
Hole: 9.5 × 9.5 mm

M6

Thread	Pitch	Min. thickness	Max. thickness
M6	1	0.7	1.6
M6	1	1.7	2.6
M6	1	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
6	0.7–1.6	13	12	7.7	0.45	13.5	6	8.6
6	1.7–2.6	13	12	7.7	0.45	13.5	6	9.5
6	2.7–3.5	13	12	7.7	0.45	13.5	6	10.2



Mounting compatibility

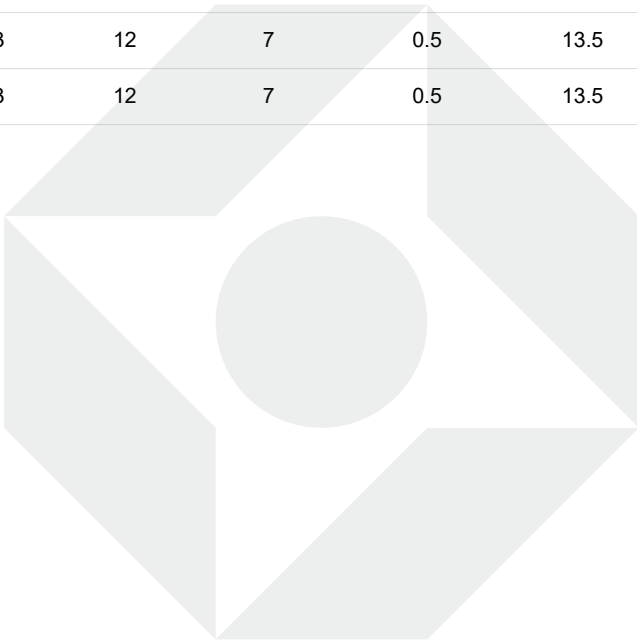
Hole: 9 × 9 mm

M4

Thread	Pitch	Min. thickness	Max. thickness
M4	0.7	0.7	1.6
M4	0.7	1.7	2.6
M4	0.7	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
4	0.7–1.6	13.3	12	7	0.5	13.5	6.5	8.5
4	1.7–2.6	13.3	12	7	0.5	13.5	6.5	9.6
4	2.7–3.5	13.3	12	7	0.5	13.5	6.5	10.2



Mounting compatibility

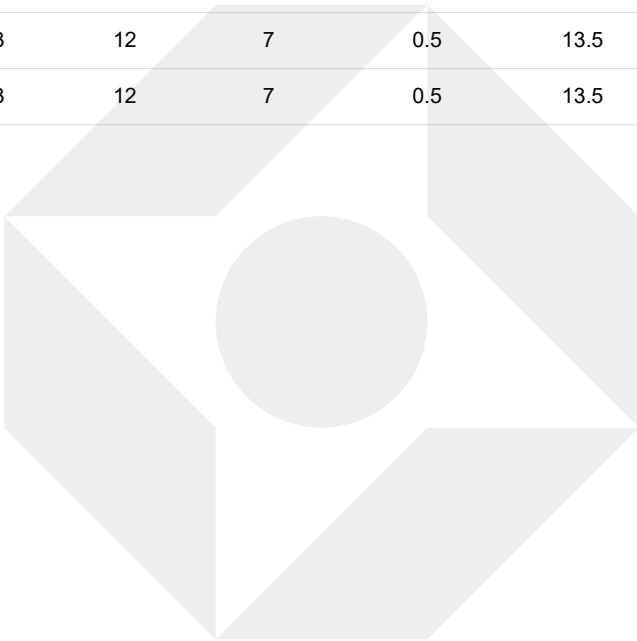
Hole: 9 × 9 mm

M5

Thread	Pitch	Min. thickness	Max. thickness
M5	0.8	0.7	1.6
M5	0.8	1.7	2.6
M5	0.8	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
5	0.7–1.6	13.3	12	7	0.5	13.5	6.5	8.5
5	1.7–2.6	13.3	12	7	0.5	13.5	6.5	9.6
5	2.7–3.5	13.3	12	7	0.5	13.5	6.5	10.2



Mounting compatibility

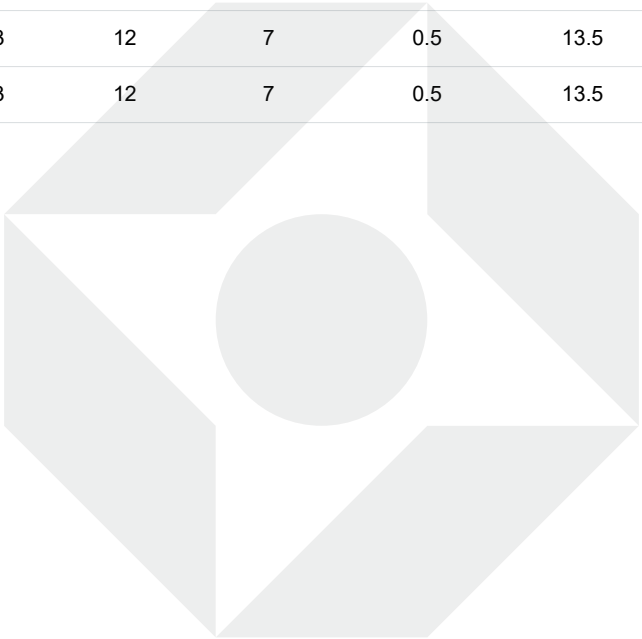
Hole: 9 × 9 mm

M6

Thread	Pitch	Min. thickness	Max. thickness
M6	1	0.7	1.6
M6	1	1.7	2.6
M6	1	2.7	3.5

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
6	0.7–1.6	13.3	12	7	0.5	13.5	6.5	8.5
6	1.7–2.6	13.3	12	7	0.5	13.5	6.5	9.6
6	2.7–3.5	13.3	12	7	0.5	13.5	6.5	10.2



Mounting compatibility

Hole: 10 × 10 mm

M6

Thread	Pitch	Min. thickness	Max. thickness
M6	1	1.2	2.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
6	1.2–2.2	15	11.3	9.5	0.5	15	6	9.7



Mounting compatibility

Hole: 12.3 × 12.3 mm

M6

Thread	Pitch	Min. thickness	Max. thickness
M6	1	0.7	1.7
M6	1	1.8	3.1
M6	1	0.7	1.7
M6	1	1.8	3.2
M6	1	3.3	4.7
M6	1	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
6	0.7–1.7	16.5	14.7	7.5	0.6	17.5	7.6	10.4
6	1.8–3.1	16.5	14.7	7.5	0.6	17.5	7.6	12
6	0.7–1.7	16.6	15	—	0.5	16.5	7.2	10
6	1.8–3.2	16.6	15	—	0.5	16.5	7.2	11.4
6	3.3–4.7	16.6	15	—	0.5	16.5	7.2	12.8
6	4.8–6.2	16.6	15	—	0.5	16.5	7.2	14

Mounting compatibility

Hole: 12.3 × 12.3 mm

M8

Thread	Pitch	Min. thickness	Max. thickness
M8	1.25	0.7	1.7
M8	1.25	1.8	3.1
M8	1.25	0.7	1.7
M8	1.25	1.8	3.2
M8	1.25	3.3	4.7
M8	1.25	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
8	0.7–1.7	16.5	14.7	7.5	0.6	17.5	7.6	10.4
8	1.8–3.1	16.5	14.7	7.5	0.6	17.5	7.6	12
8	0.7–1.7	16.6	15	—	0.5	16.5	7.2	10
8	1.8–3.2	16.6	15	—	0.5	16.5	7.2	11.4
8	3.3–4.7	16.6	15	—	0.5	16.5	7.2	12.8
8	4.8–6.2	16.6	15	—	0.5	16.5	7.2	14

Mounting compatibility

Hole: 12.3 × 12.3 mm

M10

Thread	Pitch	Min. thickness	Max. thickness
M10	1.5	0.7	1.7
M10	1.5	1.8	3.1
M10	1.5	0.7	1.7
M10	1.5	1.8	3.2
M10	1.5	3.3	4.7
M10	1.5	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
10	0.7–1.7	16.5	14.7	7.5	0.6	17.5	7.6	10.4
10	1.8–3.1	16.5	14.7	7.5	0.6	17.5	7.6	12
10	0.7–1.7	16.6	15	—	0.5	16.5	7.2	10
10	1.8–3.2	16.6	15	—	0.5	16.5	7.2	11.4
10	3.3–4.7	16.6	15	—	0.5	16.5	7.2	12.8
10	4.8–6.2	16.6	15	—	0.5	16.5	7.2	14

Mounting compatibility

Hole: 14 × 14 mm

M8

Thread	Pitch	Min. thickness	Max. thickness
M8	1.25	0.7	1.7
M8	1.25	1.8	3.2
M8	1.25	3.3	4.7
M8	1.25	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
8	0.7–1.7	20	18	12.6	0.7	20.5	10.4	13.5
8	1.8–3.2	20	18	12.6	0.7	20.5	10.4	15
8	3.3–4.7	20	18	12.6	0.7	20.5	10.4	16.5
8	4.8–6.2	20	18	12.6	0.7	20.5	10.4	18

Mounting compatibility

Hole: 14 × 14 mm

M10

Thread	Pitch	Min. thickness	Max. thickness
M10	1.5	0.7	1.7
M10	1.5	1.8	3.2
M10	1.5	3.3	4.7
M10	1.5	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
10	0.7–1.7	20	18	12.6	0.7	20.5	10.4	13.5
10	1.8–3.2	20	18	12.6	0.7	20.5	10.4	15
10	3.3–4.7	20	18	12.6	0.7	20.5	10.4	16.5
10	4.8–6.2	20	18	12.6	0.7	20.5	10.4	18

Mounting compatibility

Hole: 14 × 14 mm

M12

Thread	Pitch	Min. thickness	Max. thickness
M12	1.75	0.7	1.7
M12	1.75	1.8	3.2
M12	1.75	3.3	4.7
M12	1.75	4.8	6.2

Geometric dimensions

M	Sheet	A	B	D	E	F	G	C
12	0.7–1.7	20	18	12.6	0.7	20.5	10.4	13.5
12	1.8–3.2	20	18	12.6	0.7	20.5	10.4	15
12	3.3–4.7	20	18	12.6	0.7	20.5	10.4	16.5
12	4.8–6.2	20	18	12.6	0.7	20.5	10.4	18