

THANKTECH



Brass insert nut Catalogues

www.thank-tech.com

Company profile

A manufacturing factory



ThankTech Co., Ltd is a professional manufacturer of precision hardware accessories. Its products are mainly used in home appliances, automobiles and motor vehicles, communication equipment, printers, bank ATM smart terminals, fingerprint locks and other fields.

Since our inception, the company has possessed a group of professional production and technical personnel. In the development process, it pays special attention to product quality and technological level, and uses management ideas such as ISO9000, TS16949, TQM and so on. The company takes technology as the forerunner, provide technical consultation, design and modification of various product manufacturing according to the needs of different customers, provide customers with technical services such as the best solution.

According to development needs, the company has purchased a large number of high-precision manufacturing equipment, such as CNC lathes, CNC milling machines, CNC grinders and precision presses etc. The company has always been adhering to science and technology, relying on first-class technology, first-class products, first-class service to promote the development of the hardware market, strive to keep pace with the international advanced level.

ThankTech Co is willing to develop a wide range of substantial win-win cooperation in various fields with various hardware manufacturers or sellers all over the world.



Production Capability

The most complete equipment



Automatic Lathe



CNC Lathe



Stamping equipment



Screw Machine



Precision Grinding machine



Ultraprecision Machining

Auto Lathe turning: OD Φ 0.5-20mm / Tolerance ± 0.01 mm

CNC Lathe turning: OD Φ 0.5-250mm / Tolerance ± 0.005 mm

CNC Milling: 800x600mm (LxW) / Tolerance ± 0.05 mm

Grinding: Tolerance ± 0.002 mm

Screw heading & rolling: Metric M0.8-M36 /
Unified Imperial #0-2"

Stamping: 1200T max

Quality Control

Attitude is everything



ThankTech has advanced quality control systems and testing equipment, it able to achieve quality control goals from raw materials to finished products, from IOC to PQC to OQC, in accordance with a complete quality system

IQC → **PQC** → **OQC** → **QA**



Projector



Coating Analyzer



CMM



Pull Tester



Salt Spray tester



Durometer



Tensile Machine



Automatic Optic Inspector

Tables of contents

Standard parts & OEM parts



Standard parts



Captive panel screw



Self clinching nut



Self clinching standoff



Self clinching studs



hex standoff spacer



Brass insert nut

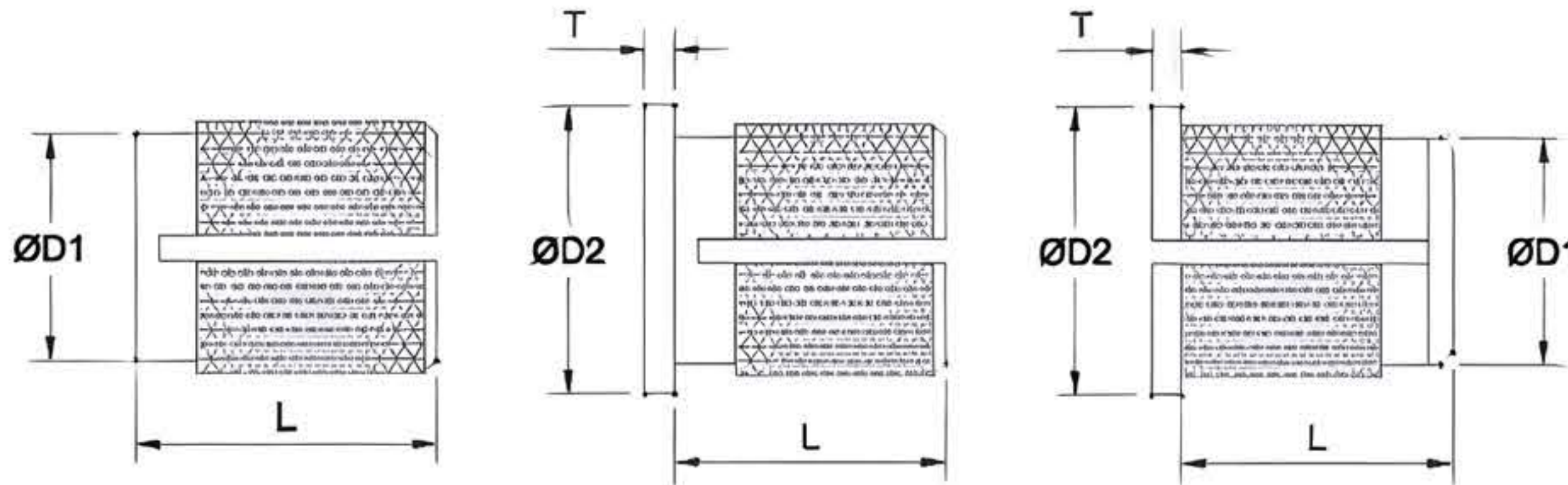


CNC

THANKTECH FASTENER FOR PLASTIC

Cold-pressed series

Brass insert nut: TC01



A: thread size
D1: outer diameter
D2: step diameter
L: body length
L: step thickness

ISO METRIC / unit:mm

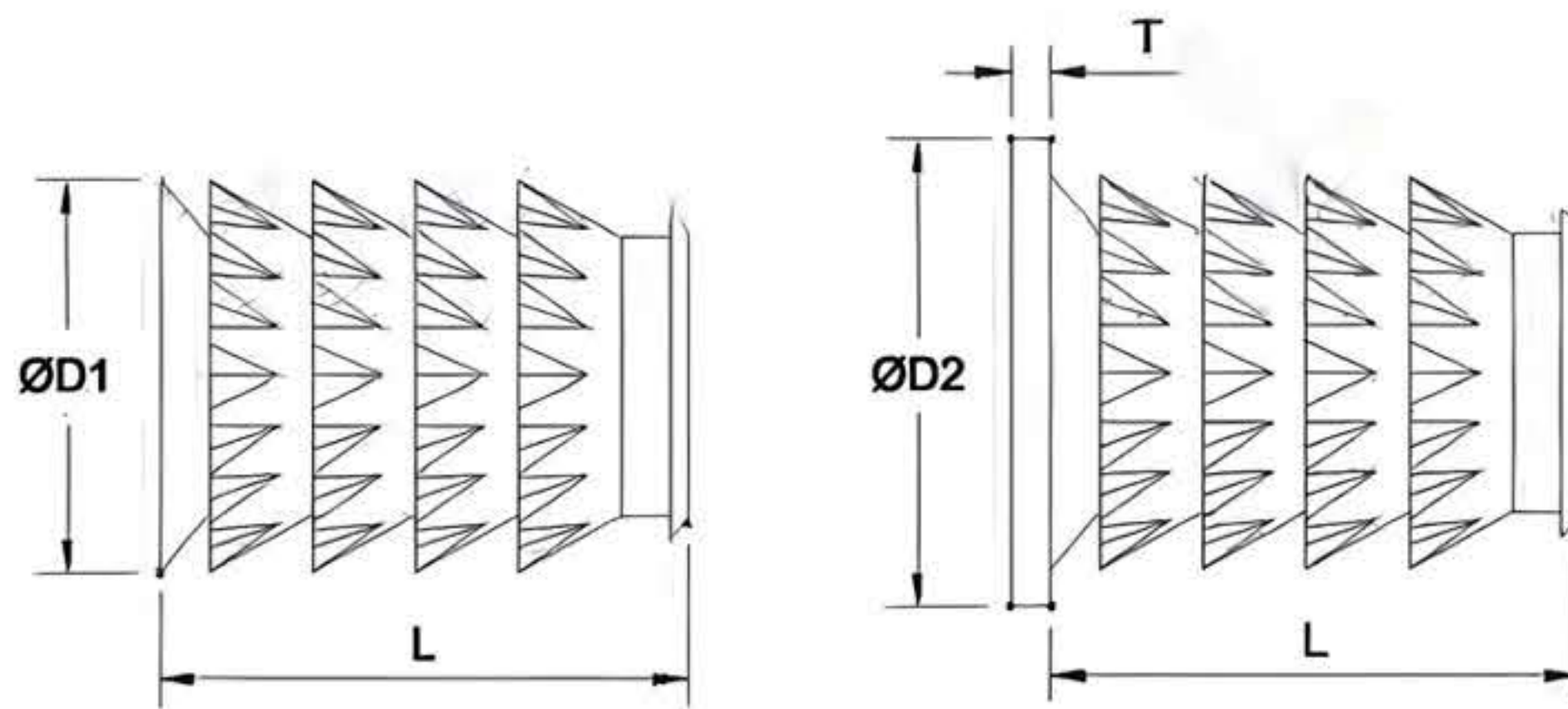
Custom size are available

Thread	M3	M3.5	M4	M5	M6	M8	M10	M12
L	3.9	4.7	4.7/3.5	6.3/3.5	7.9/5.0	9.4/6.0	12.6/9.5	12.6/9.5
T	0.43	0.51	0.51	0.66	0.82	0.99	1.25	1.25
D1	3.2	4	4	4.7	5.5	6.3	7.9	9.5
D2	4.8	5.5	5.5	6.4	7.1	7.9	9.5	11.1

THANKTECH FASTENER FOR PLASTIC

Cold-pressed series

Brass insert nut: TC02



A: thread size
D1: body diameter
D2: step diameter
L: body length
T: step thickness

ISO METRIC / unit:mm

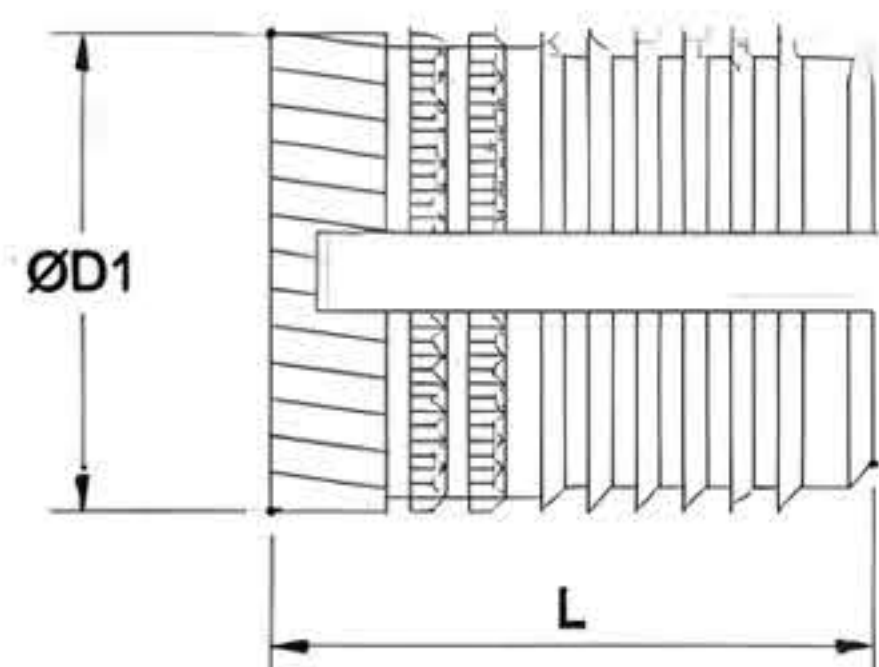
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8
L	3.1	4.1	4.1	4.1	5.6	6.6	7.7	8.3
T	0.5	0.75	0.75	0.75	0.75	0.9	1	1.25
D1	3.5	4.5	4.5	5	5.5	7	8	11
D2		7.1	7.1	7.9	8.7	11.1	12.7	14.3
Hole size	3.15	3.85	3.85	4.8	5.7	6.3	8	10.4
Thickness(Min.)	1.35	1.7	1.7	2.25	2.5	2.85	3.2	4.25

THANKTECH FASTENER FOR PLASTIC

Cold-pressed series

Brass insert nut: TC03



A: thread size
D1: outer diameter
L: length

ISO METRIC / unit:mm

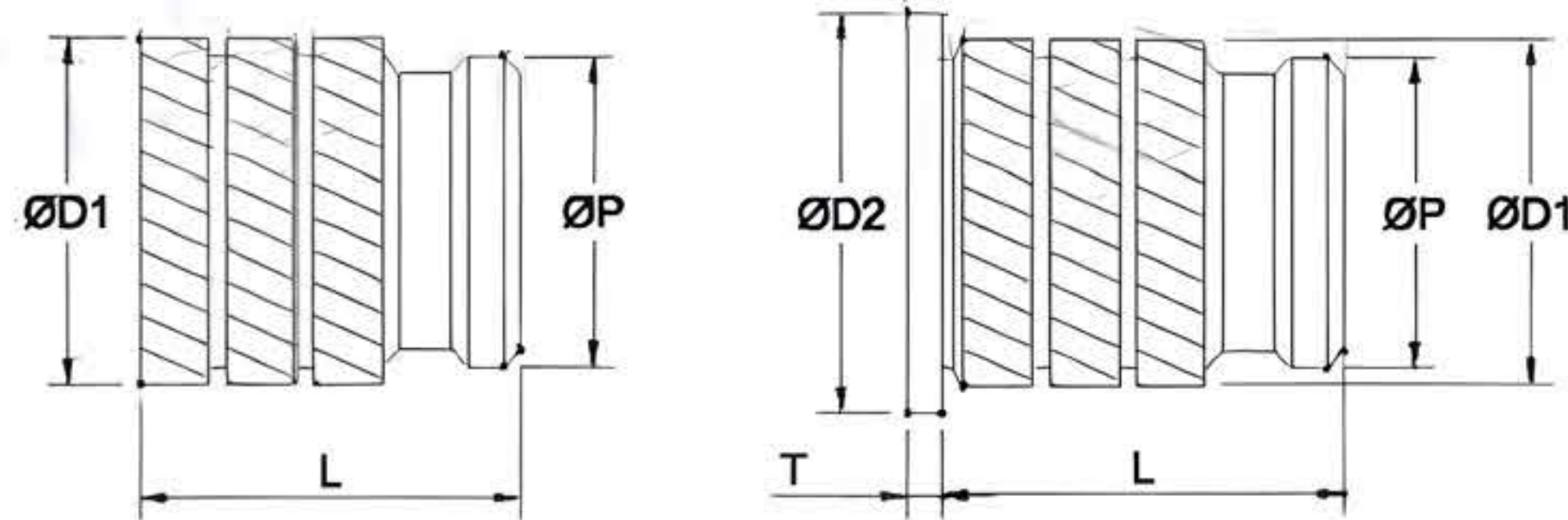
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8
L	4	5.8	5.8	7.2	8.2	9.5	12.7	12.7
D1	3.7	4.5	4.5	5.3	6.2	6.9	8.5	10.1
Hole size	3.2	4	4	4.8	5.6	6.4	8	9.6
Thickness(Min.)	1.6	2	2	2.4	2.8	3.2	4	4.8

THANKTECH FASTENER FOR PLASTIC

Cold-pressed series

Brass insert nut: TC04



L: length
T: step thickness
D1: body diameter
D2: step diameter
P: end diameter
Hole size: mounting hole size
Thickness: wall thickness

ISO METRIC / unit:mm

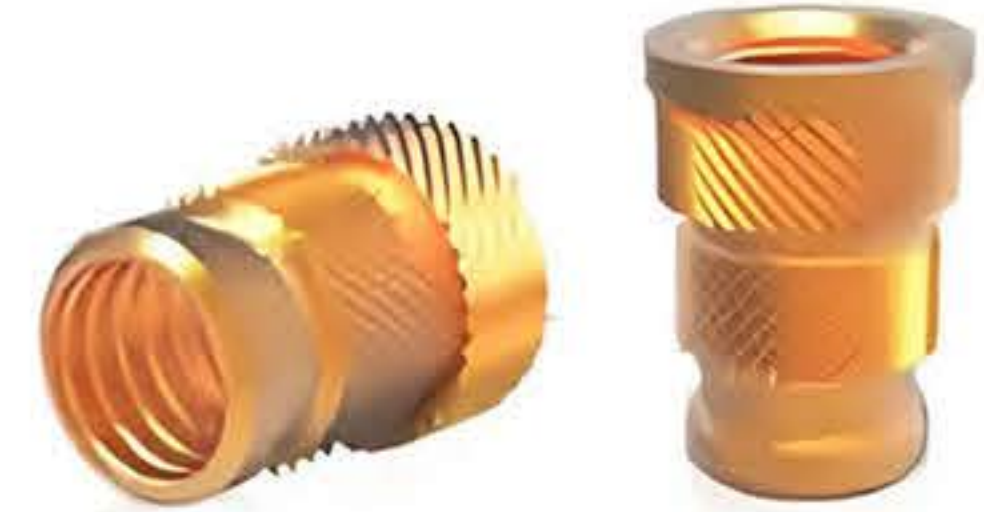
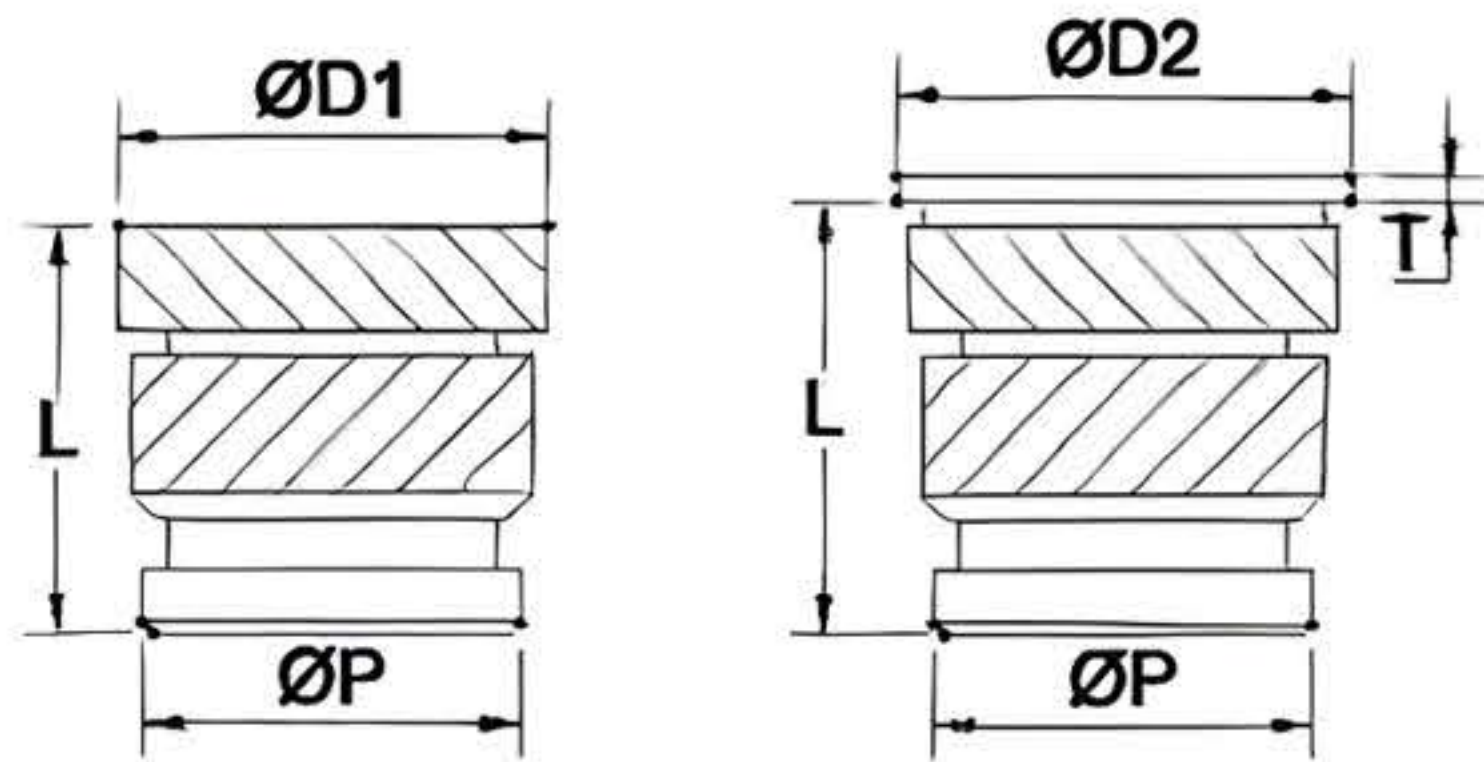
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
L	4.1	5.3	5.3	6.3	7.4	8.3	9.2	9.2	9.2
T	0.51	0.58	0.58	0.74	0.89	1.07	1.32	1.32	1.57
D1	3.3	4.2	4.2	5	5.8	6.6	8.2	9.7	12.7
D2	4.8	5.5	5.5	6.4	7.1	7.9	9.5	11.1	14
P	3	3.7	3.7	4.5	5.3	6.1	7.7	9.7	12.7
Hole size	3.1	3.8	3.8	4.6	5.4	6.2	7.8	9.3	12.3
Thickness(Min.)	1.6	2.0	2	2.5	2.5	2.5	2.8	3.8	5

THANKTECH FASTENER FOR PLASTIC

Hot-melt series

Brass insert nut: TH01



A: thread size
D1: outer diameter
D2: step diameter
L: body length
T: step thickness

ISO METRIC / unit:mm

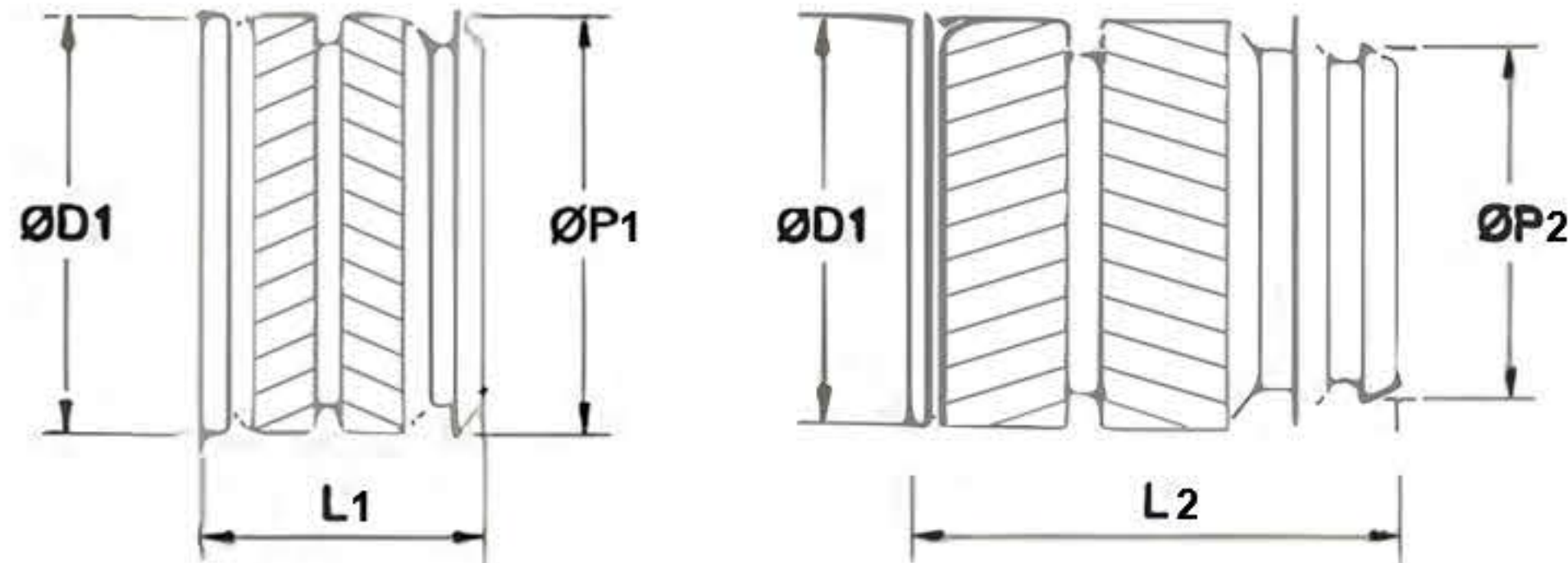
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12
L	4	5.7	5.7	7.1	8.1	9.5	12.7	12.7	12.7	15.9
T	0.53	0.61	0.61	0.76	0.91	1.09	1.35	1.35	1.6	2
D1	3.6	4.6	4.6	5.4	6.3	7.1	8.7	10.2	12.6	16.7
D2	4.8	5.5	5.5	6.4	7.1	7.9	9.5	11.1	14	19
P	3.1	3.9	3.9	4.7	5.5	6.3	7.9	9.5	11.8	15.8
Rec. Hole size	3.2	4	4	4.8	5.6	6.4	8	9.6	11.9	16
Wall thickness(Min.)	1.3	1.6	1.6	1.8	2.1	2.6	3.3	4.5	6	8

THANKTECH FASTENER FOR PLASTIC

Hot-melt series

Brass insert nut: TH02



A: thread size
D1:outer dia.
L1:short version length
L2: long version length
P1: short version end dia.
P2: long version end dia.

ISO METRIC / unit:mm

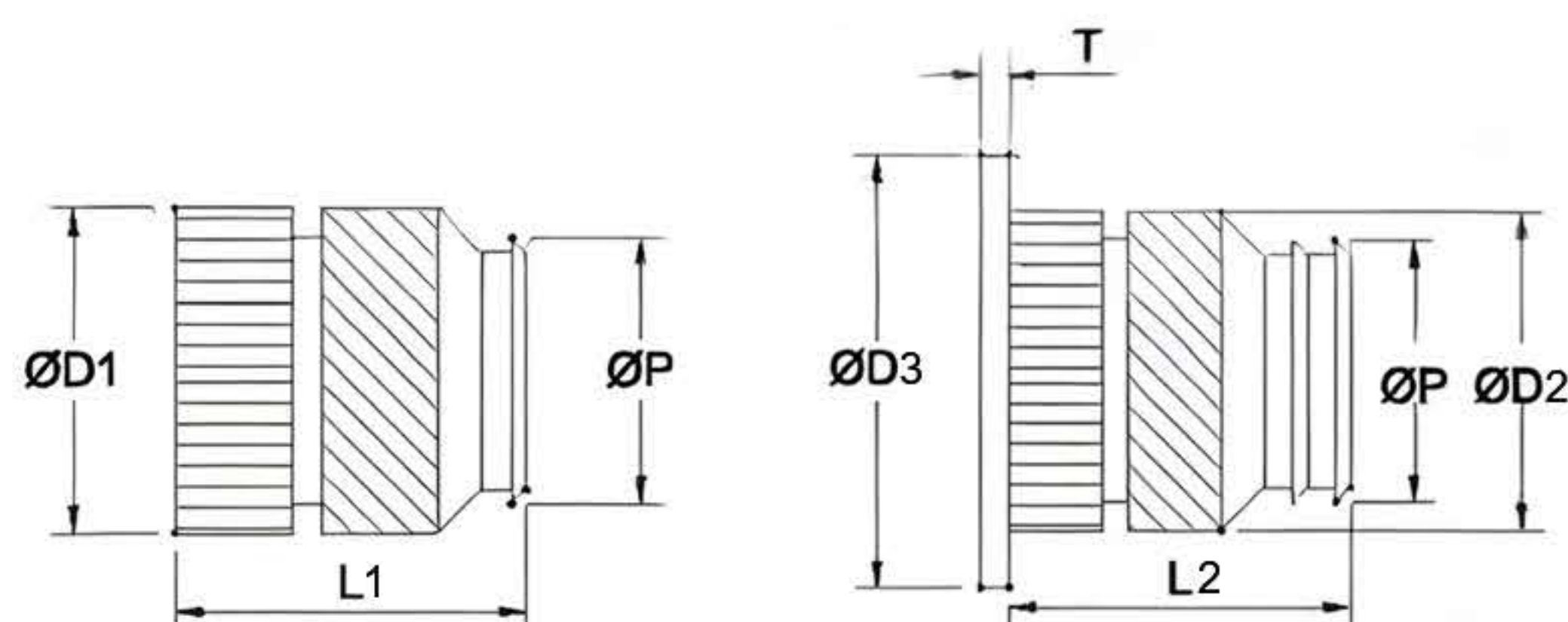
Custom size are available

Thread	M2.5	M3	M3.5	M4	M5	M6	M8
L1	3.43	3.81	3.81	4.7	5.72	7.62	8.51
L2	5.56	6.35	6.35	7.92	9.53	12.7	14.27
D1	4.37	5.56	5.56	6.35	7.54	9.52	11.91
P1	3.99	5.16	5.16	5.84	6.91	8.99	11.15
P2	3.79	4.83	4.83	5.41	6.38	8.43	10.31

THANKTECH FASTENER FOR PLASTIC

Hot-melt series

Brass insert nut: TH03



A: thread size
D: outer dia.
L: length
T: step thickness
P: end dia.

ISO METRIC / unit:mm

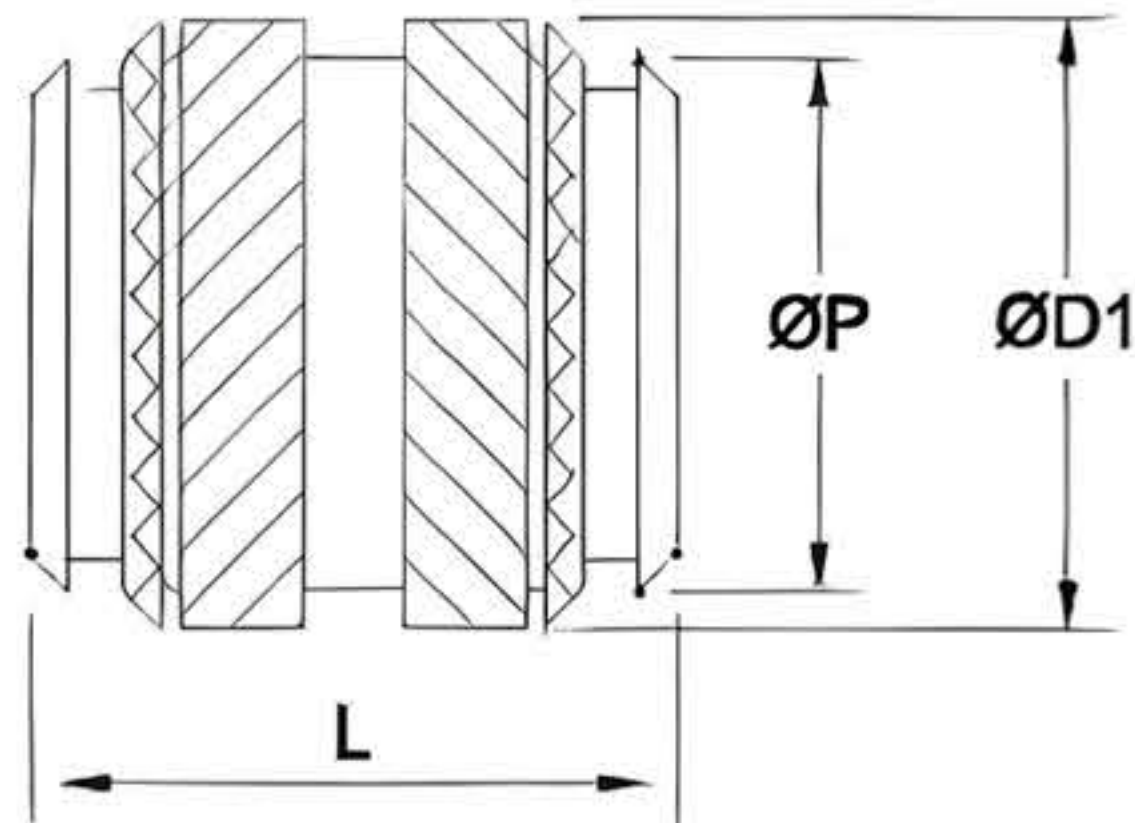
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6
L1	2.92	3.43	3.81	3.81	4.7	6.73	7.62
L2	5	5	5.5	6	7.5	9	10
D1	3.58	4.42	5.61	5.61	6.32	8.38	9.6
D2	4.1	4.1	4.7	5.5	5.9	7	8.6
D3	5	6	6	7	8	8.5	10
T	0.6	0.6	0.6	0.8	0.8	1	1
P	3.02	3.96	5.16	5.16	5.84	7.85	9.04

THANKTECH FASTENER FOR PLASTIC

Hot-melt series

Brass insert nut: TH04



A: thread size
D1: outer diameter
L: length
P: end diameter

ISO METRIC / unit:mm

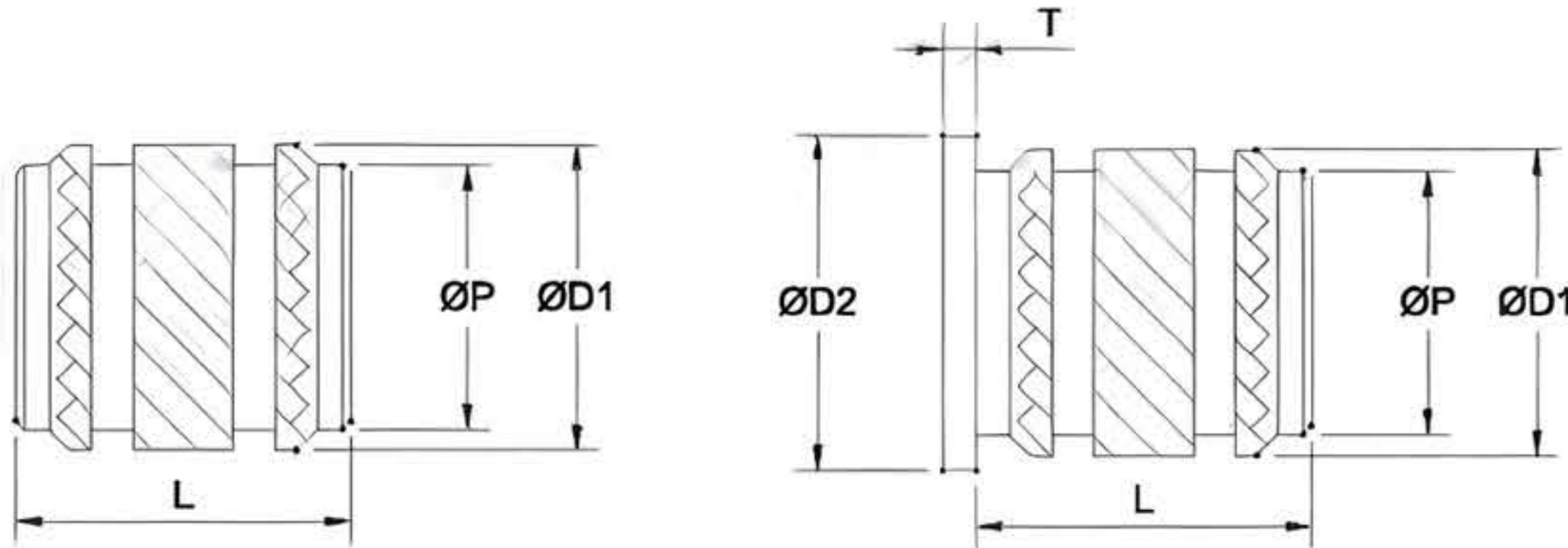
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10	M12
L	4	5.7	5.7	7.1	8.1	9.5	12.7	12.7	12.7	15.9
D1	3.5	4.4	4.4	5.2	6.1	6.8	8.5	10	12.3	16.3
P	3.2	4	4	4.8	5.6	6.4	8	9.6	11.9	16
Rec. hole size	3.2	4	4	4.8	5.6	6.4	8	9.6	11.9	16
Wall thickness(Min.)	1.3	1.6	1.6	1.8	2.1	2.6	3.3	4.5	6	8

THANKTECH FASTENER FOR PLASTIC

Hot-melt series

Brass insert nut: TH05



A: thread size
D1: outer diameter
D2: step diameter
L: body length
P: end diameter
T: step thickness

ISO METRIC / unit:mm

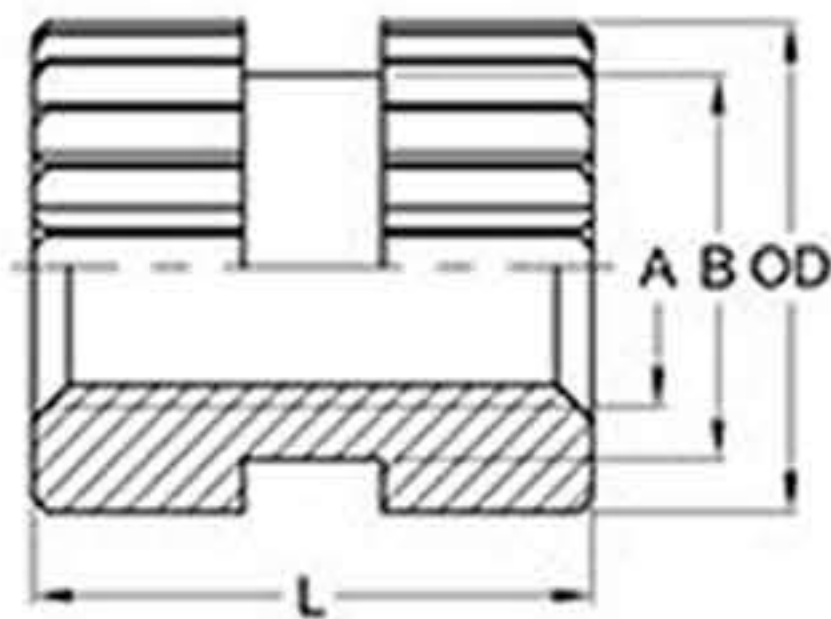
Custom size are available

Thread	M1	M1.2	M1.4	M1.6	M2	M2.5
L	2.5	2.5	3	3	3	4
D1	2.1	2.1	2.5	2.5	3	3.65
D2	/	/	3	3	3.5	4
P	1.7	1.7	2.1	2.1	2.6	3.15
T	/	/	0.4	0.4	0.4	0.4
Rec. hole size	1.75	1.75	2.15	2.15	2.65	3.2
Wall thickness(Min.)	0.7	0.7	0.8	0.8	0.8	1

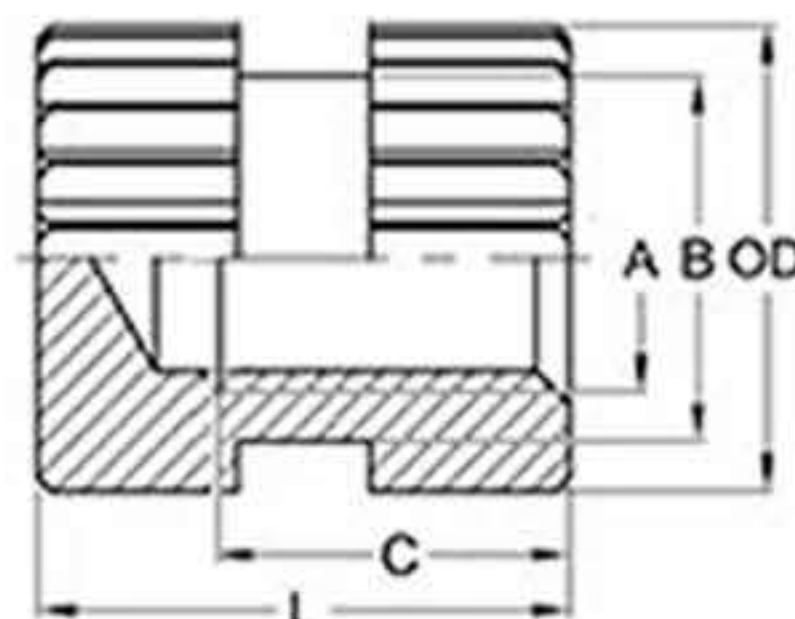
THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut TM01/TM01b



through-hole



blind-hole



A: thread size
OD: outer diameter
B: groove diameter
L: length
C: Thread depth

ISO METRIC / unit:mm

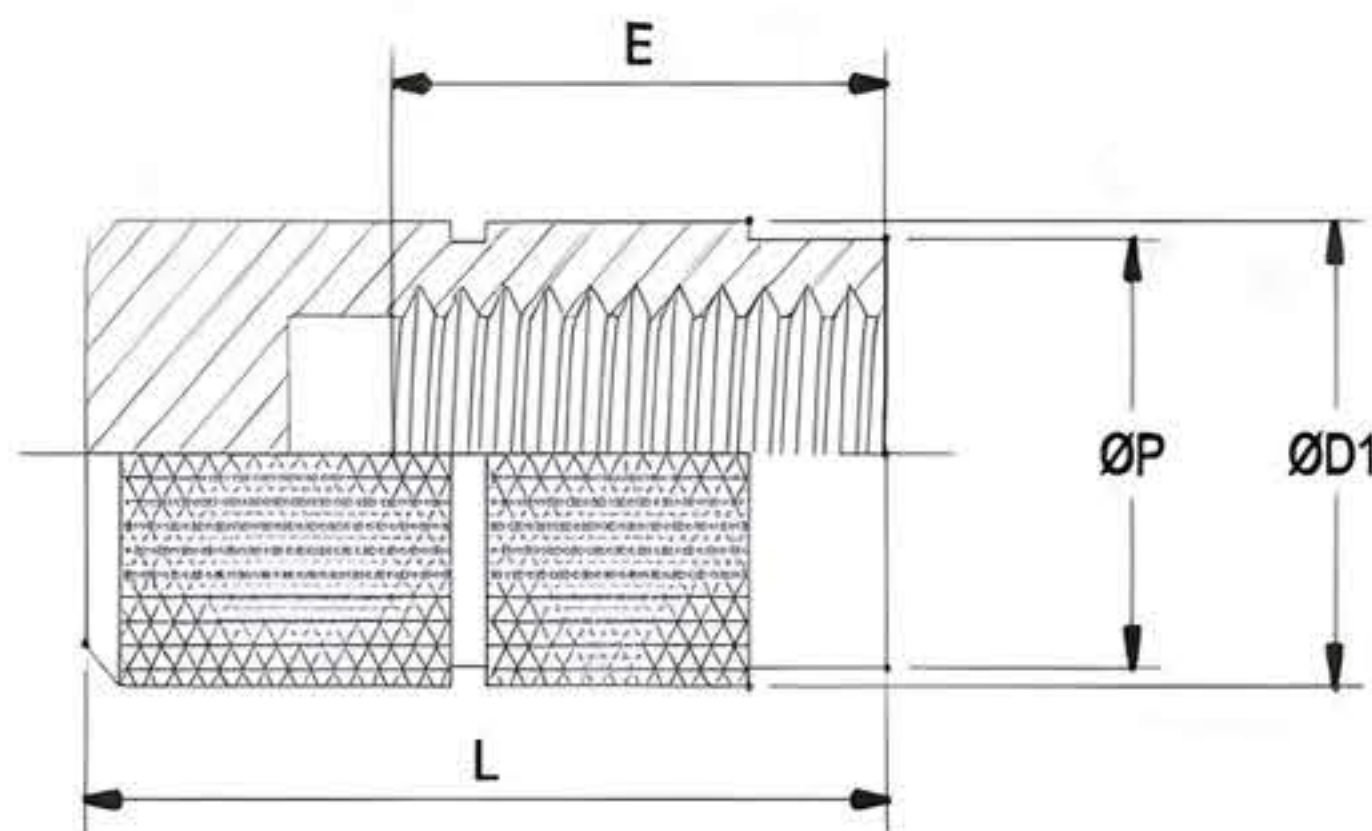
Custom size are available

Thread	M2	M2.5	M3	M4	M5	M6	M8	M10	M12
OD	4	4.5	5	6	8	10	12	15	18
B	3	3.5	4	5	7	9	10	13	16
L	max	6	8	10	12	16	18	25	30
	min	2	3	3	4	5	6	8	10
C max	3	4.5	6	8	11	12	19	20	20

THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut TM02



A: thread size

D1: outer diameter

P: groove diameter

L: length

E: Thread depth

ISO METRIC / unit:mm

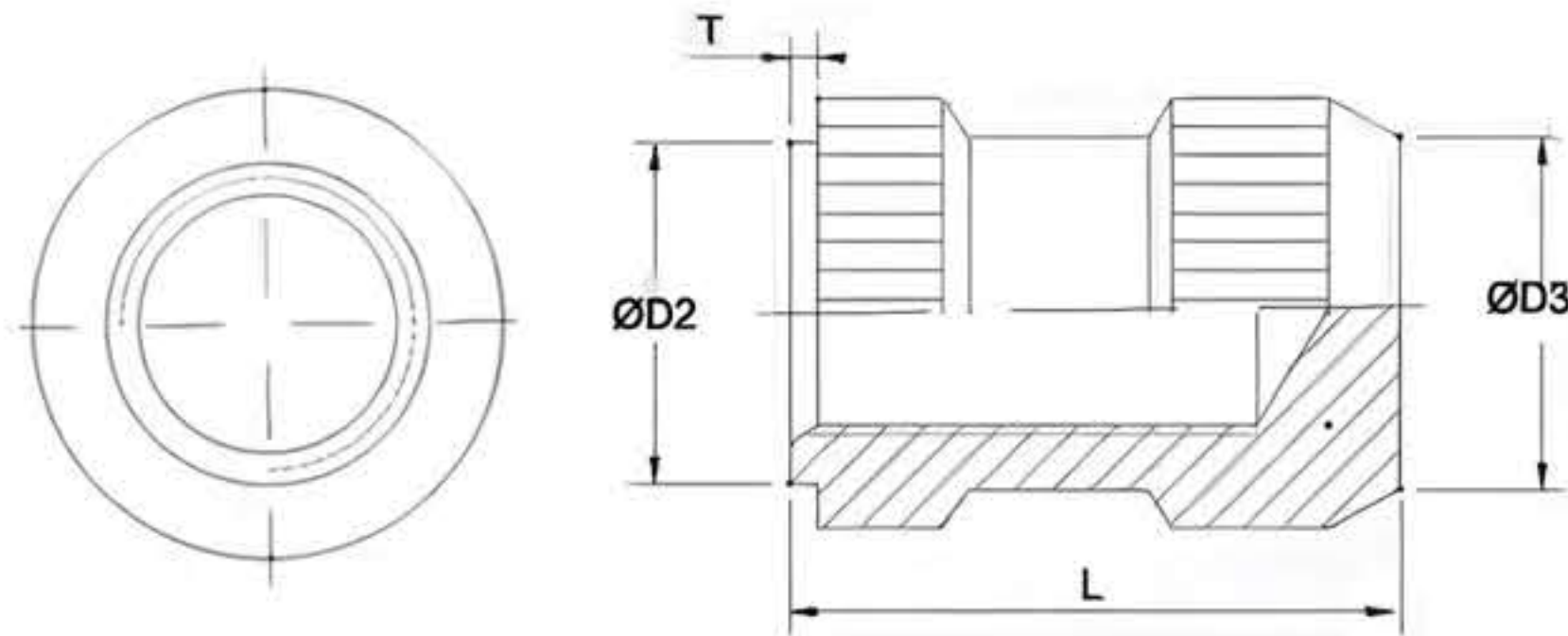
Custom size are available

Thread	M2.5	M3	M3.5	M4	M5	M6	M8
D1	4.78	4.78	5.56	6.35	7.14	8.74	11.13
P	4.34	4.34	5.13	5.74	6.57	8.15	10.26
L / E	4.48/2.01	5.21/2.21	6.35/2.62	6.35/3.08	7.13/3.49	8.73/4.37	11.13/5.72
L / E	6.35/2.87	7.13/3.21	8.73/3.81	8.73/4.47	11.12/5.09	13.49/6.37	15.09/7.82
L / E	7.14/3.74	8.73/4.21	10.31/5.02	10.31/5.89	13.48/6.69	15.87/8.37	18.24/10.32
L / E	9.53/4.6	10.31/5.21	11.91/6.22	11.91/7.29	11.91/8.29	18.26/10.57	20.62/12.82
L / E	10.31/5.47	11.13/6.21	13.48/7.42	13.48/8.69	13.48/9.89	20.8/12.37	22.23/15.32

THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut: TM03



A: thread size
D2: head diameter
D3: end diameter
L: length
T: thickness

ISO METRIC / unit:mm

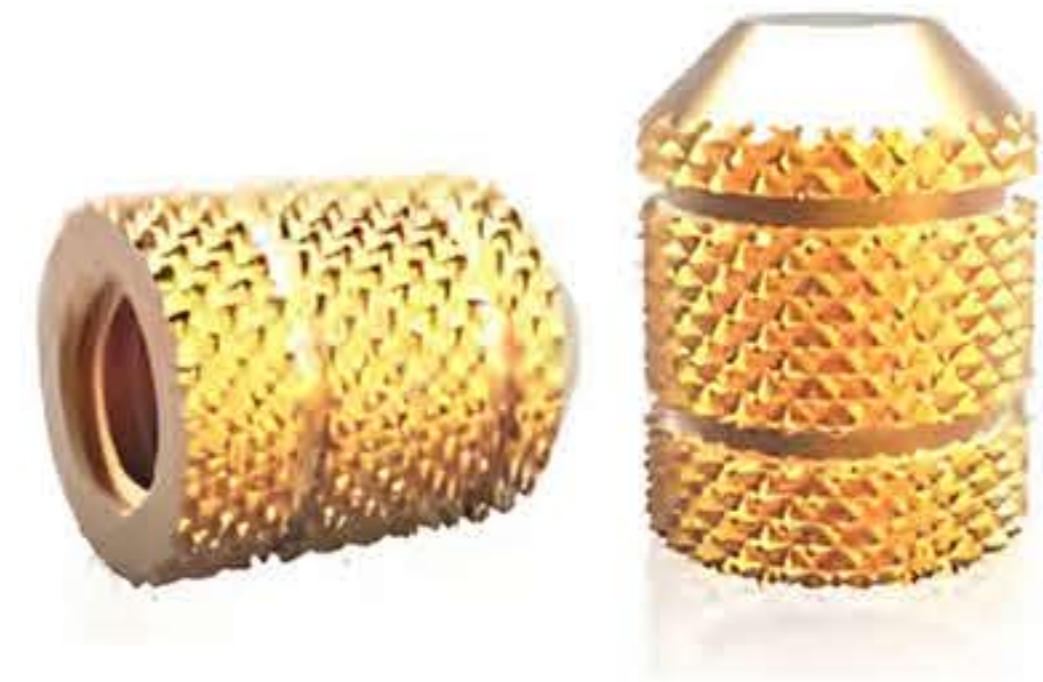
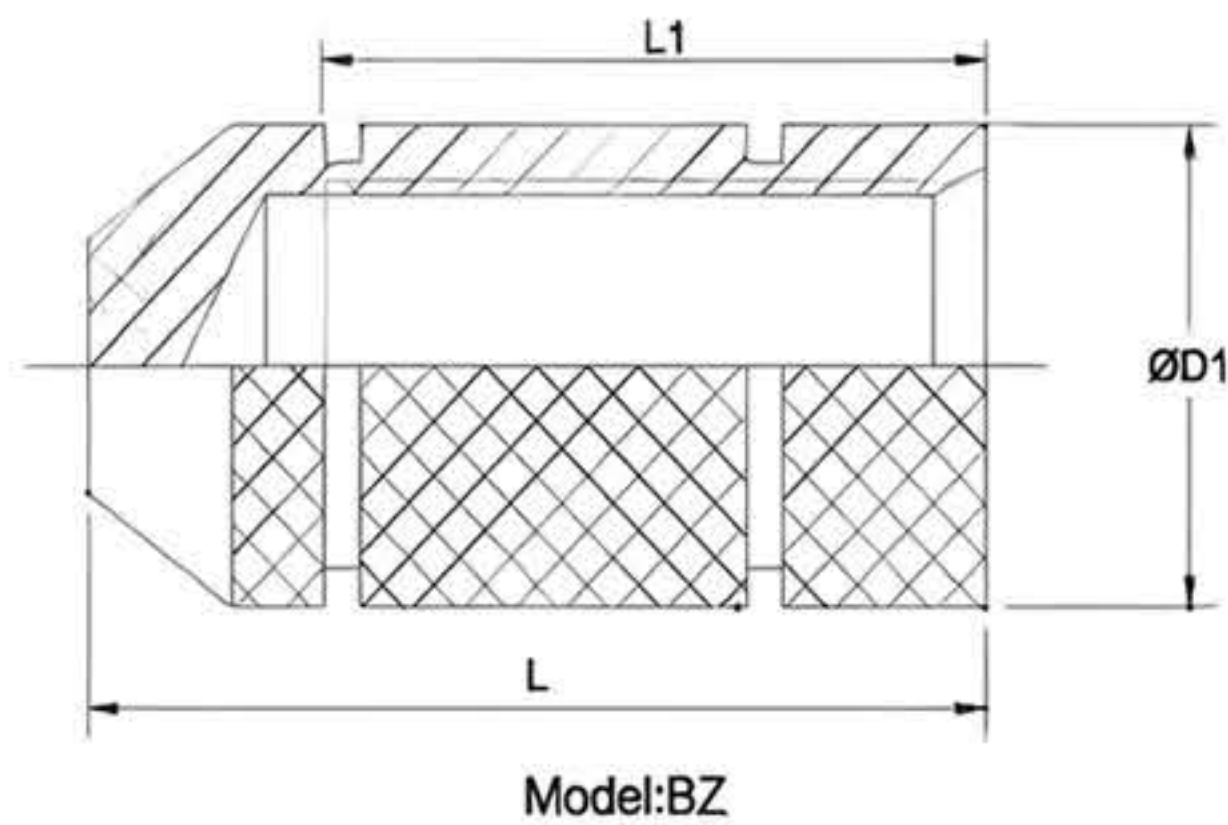
Custom size are available

Thread	M2	M2.5	M3	M3.5	M4	M5	M6
D2	3.5	3.8	4.2	5	5.5	7	8
D3	2.5	2.5	2.8	3.5	4	5	6
L	5.2	6	7	8	9	10.8	12.8
T	0.8	0.8	1	1	1	1	1

THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut: TM04



A: thread size
D1: outer diameter
L: length
L1: depth

ISO METRIC / unit:mm

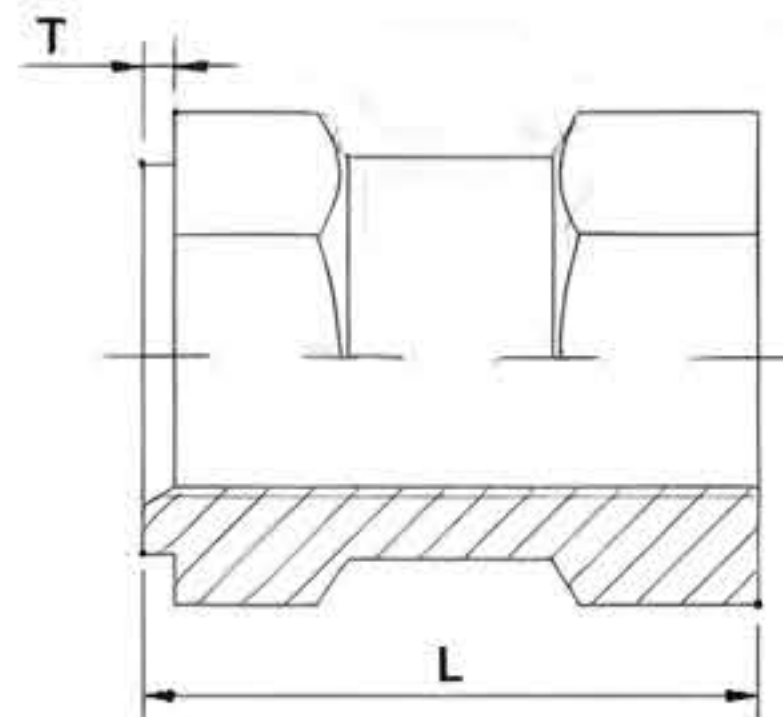
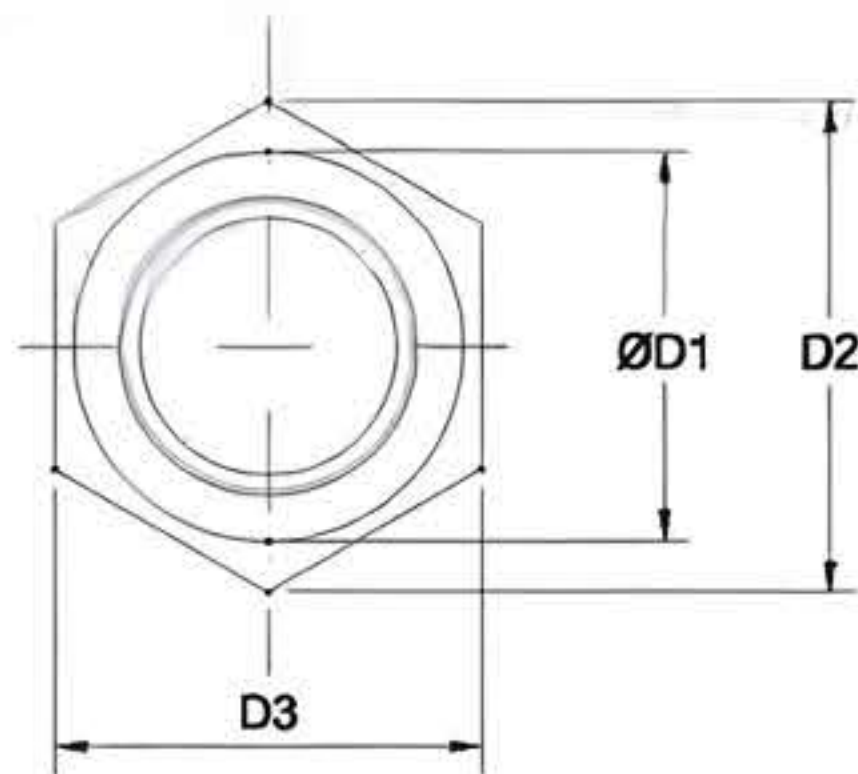
Custom size are available

Thread	M3	M3.5	M4	M5	M6
D1	4.15	5	5.9	6.6	10
L	6.4	7.9	8.7	9.5	12.5
L1	3.4	4.56	4.9	5.6	1

THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut: TM05



A: thread size
D1: cylinder diameter
D2: diagonal length
D3: opposite side length
L: length
T: thickness

ISO METRIC / unit:mm

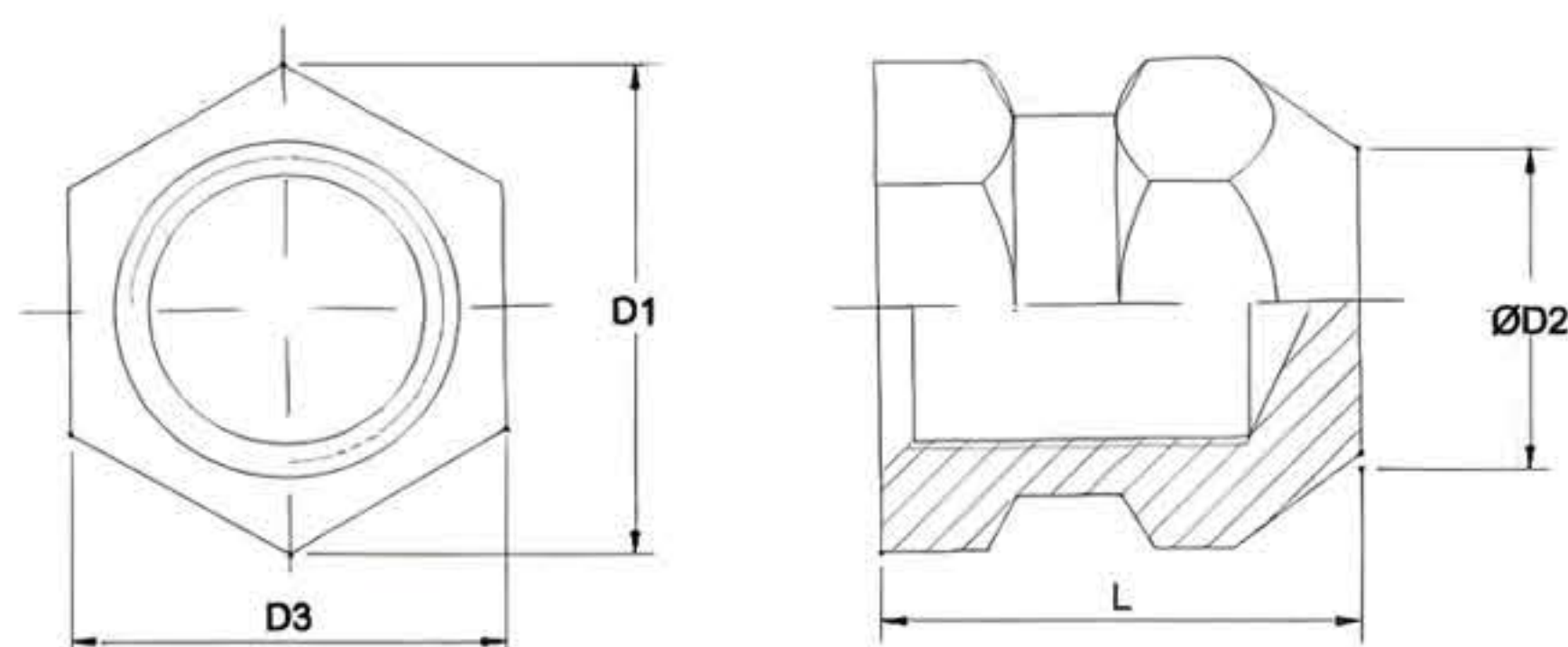
Custom size are available

Thread	M3	M3.5	M4	M5	M6	M8	M10	M12
D1	4.2	5	5.5	7	8	10	12.5	16
D2	5.8	6.1	6.9	8.1	10.4	12.7	16.2	21.9
D3	5	5.5	6	7	9	11	14	19
L	4.5	5.5	6	7.5	9	12	15	18
T	1	1	1	1	1	1	1	1

THANKTECH FASTENER FOR PLASTIC

Molded-in series

Brass insert nut: TM06



A: thread size
D1: diagonal length
D2: end diameter
D3: opposite side length
L: length

ISO METRIC / unit:mm

Custom size are available

Thread	M3	M3.5	M4	M5	M6	M8	M10	M12
D1	5.8	6.1	6.9	8.1	10.4	12.7	18.2	21.9
D2	2.8	3.5	4	5	6	7	10	12
D3	5	0.5	6	7	9	11	14	19
L	5.5	6	7	8.3	9.8	12.6	15	17.8



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THANK
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