



Threaded Inserts for Plastic Parts
塑胶专用嵌件技术手册

TABLES OF CONTENTS 目录

Ultrasonic / Heat staking threaded inserts series 超声波/热熔埋植系列

	Quik-Tek	8	The most popular inserts for thermoplastics can be installed by heat or ultrasonic method. It features opposite angled helical knurls to achieve an optimal balance of hightorque and pull-out resistance.	热熔或超声波快速埋植于热塑性塑胶，反向滚花带，提高拉力和扭力。
	Bol-Tek	9	A taper insert designs for tapered plastic hole. A large area of diamond knurl ensures high torque and pull-out performance.	锥形孔插入设计，大面积的钻石滚花确保高扭矩和抗拔性能。
	HL	10	Mainly used in the housing of mobile phone, notebook and small electric devices Thread ranges from M1 to M2.5	月牙形滚花,可避免敏感性非晶热塑性塑胶埋置后开裂,热熔或超声波快速埋植,螺纹大小从M1到M2.5
	FB	11	Opposite helical knurl bands provide balanced high torque and high pull-out performance Ultrasonic / Heat staking threaded inserts	直纹滚花提供高扭力,环形槽提供高拉力, 热熔或超声波快速埋植
	Soni-Tek	12	Characteristics of symmetrical outline, reverse roll, increases tension and torsion.	特色的对称的轮廓,反向滚花带,提高拉力和扭力。
	Mini-Tek	13	Specially designed for small screws make this mini-version Widely used in small plastic housings of cell phone, pmp, PS and other small electronic devices.	特别设计的小螺母,广泛用于小塑料外壳的手机、PMP、PS等小型电子设备。
	AT	14	Features of symmetrical outline, reverse roll , increases Tension and torsion. Undercuts provide tensile strength.	特色的对称的轮廓,反向滚花带,提高拉力和扭力, 凹槽设计提供抗拉强度。
	OT	15	Utilizing high temperature O-ring can provide positive tightness of implanting between insert and material.	配有耐高温O形密封圈, 保证埋植密封性。
	HT	16	A-Blind ended threaded insert is designed for the installing by ultrasonics, heat or mold-in.	盲孔设计,超声、热熔、注塑成型埋植。
	Taper-Set	17	A taper insert designs for the tapered plastic holes. It is easy to align and install using heat and ultrasonic method, the opposite knurls and inverse vane(s) ensures high torque and pull-out performance.	锥形孔插入设计, 热熔或超声波快速埋植,相反滚花和逆叶片设计确保高扭矩和抗拔性能。

Press-in threaded inserts series 冷压埋植系列

	Fin-Set	18	The Fin-set insert features many inverse fins to provide high pull-out resistance for most of the thermoplastics while the straight knurls response to high torque performance.	大量的逆叶片和直纹滚花提供高抗拔力和扭力。
	SP	19	Low bursting stress allows the use of thinner wall reducing the risk of rupture, designed for hard and brittle thermosetting plastic.	适用于较薄壁厚,降低破裂风险 特别适合热固性塑胶。

	GT	20	Straight knurling and agnail can achieve strong pulling force and torque. It is suitable for rapid pressure.	直滚花和倒刺，以达到强拉力和扭力,冷压埋植。
	EZ-Loc	21	Parallel fins and slots provide a high level of torque and pull-out performance. The slot brings a screw -locking feature to the soft and less hard plastics.	大量的逆叶片和滚花带，以达到强拉力和扭力,槽用于扩张自锁。
	Exp-Loc	22	It is a press-in insert used for hard thermosetting plastics. The diamond knurls offer maximum surface friction and minimum depth of penetration.	用于热固性塑胶。钻石滚花提供最大表面摩擦力和最小插入深度。
	BL	23	Hexagon agnail design ensures high torque and pulling force.	六角倒刺设计保证了高扭力和拉力。
	CL	24	Straight knurling and agnail can strong tension and torsion. The shot produces an expansion effect for self-locking	直滚花和倒刺，以达到强拉力和扭力，槽用于扩张自锁。
	DL	25	Diamond knurl provides maximum surface friction. The shot produces an expansion effect for self-locking	钻石滚花提供了最大表面摩擦力，槽用于扩张自锁。
	Multi-Barb	26	Inverse vanes together with the unique barbs provide high pull-out and torque performance.	逆叶片连同独特的倒钩提供高抗拉和扭矩。
	CL600/601	27	Internally and externally thread with two slots which provide cutting edges are similar to an automatic tap Self-tapping inserts series Can be installed with a tap wrench or drill	限压套作用防止把塑胶压裂 铝材质，冷压埋植
	CL800/801	28	Internally and externally thread with two slots which provide cutting edges are similar to an automatic tap Self-tapping inserts series Can be installed with a tap wrench or drill	限压套作用防止把塑胶压裂 黄铜材质，冷压埋植

Self-tapping inserts series 自攻埋植系列

	Tap-Tek	29	Self-tapping inserts series Self-aligning pilot design Designed for thermoplastics and thermosetting plastics	自攻埋植 自动对准导向设计，不易歪斜 适用热塑性塑料和热固性塑胶
	L384	30	Self-tapping inserts series. Can be installed with a tap wrench or drill. Design for thermoplastic and thermosetting plastics.	自攻埋植。 安装用丝锥扳手和专用设备。 用于热塑性和热固性塑胶。
	L382 Inserts	31	Self-tapping inserts series. Can be installed with a tap wrench or drill. Design for thermoplastic and thermosetting plastics.	自攻埋植.圆孔和内六角孔设计； 安装用丝锥扳手和钻床。 用于热塑性和热固性塑胶。
	L383 Inserts	32	Self-tapping inserts series. Can be installed with a tap wrench or drill. Design for thermoplastic and thermosetting plastics.	自攻埋植，圆孔和内六角孔带法兰 盘设计，安装用丝锥扳手和钻床。 用于热塑性和热固性塑胶。

TABLES OF CONTENTS 目录

Molded-in threaded inserts series 注塑埋植系列

	STKA/B/C	33	Uniform knurl diameter reduces the risk of sink marks. Available in varying lengths for injection molding assemblies.	相同的滚花外径可以降低缩痕的风险，适用于不同长度的注塑埋置生产。
	Inmold-Tek	34	Blind-end inserts are used for in-molding technology. With one end closed, the resin intrusion can be avoided. Diamond knurl provides maximum surface friction.	盲孔设计，钻石滚花提供了最大表面摩擦力。
	ITB	35	Molded-in threaded inserts Blind design prevent plastic injecting and limits the position of screws Suitable for thin thickness	注塑埋植，盲孔设计防止塑胶灌入和限制螺钉位置，允许较薄壁厚
	AZ	36	The blind design prevents plastic injecting and limits screw position.	盲孔设计，防止塑胶灌入和限制螺钉位置。
	CZ	37	Hexagonal shape design, is easy to progress and have a good tension and torsion resistance.	外形六角设计，加工简单，具有良好的抗拔和抗扭力。
	DZ	38	Head with a taper and the blind design can prevent the plastic injection and restrictions on the screw position.	头部带锥度，盲孔设计，防止塑胶灌入和限制螺钉位置。
	HZ	39	Straight knurl surface Molded-in threaded inserts Blind design to prevent plastic injecting and limits the position of screws	表面直滚花 注塑埋植 盲孔设计防止塑胶灌入和限制螺钉位置
	ST-Knurl	40	The manufacturing cost is low for the simple structure of inserts. It is an ideal choice molding for its good performance-price.	结构简单，低成本，良好的性价比。
	EZ	41	The surface of the straight knurl, blind design prevent plastic injecting and limit screw position.	表面直滚花,盲孔设计,防止塑胶灌入和限制螺钉位置。
	FZ	42	Longer version, continuous surface knurling, blind design prevent plastic injection and limit the position of the screw.	表面直滚花 注塑埋植 盲孔设计防止塑胶灌入和限制螺钉位置
	FT	43	Blind ended—prevents ingress of plastic,Counterbore prevents ingress of plastic and eases assembly on locating pins. Unique design ensures high levels of performance	盲孔设计防止塑胶灌入,沉头设计 防止塑胶灌入及方便定位销的装配 独特的设计确保高水准的安装
Installation performance data of torsion force of plastic insert / 塑胶嵌件扭拉力的安装性能数据				44~47
Application examples / 运用实例				48
Installation instruction about threaded insert self-tapping / 安装说明				49
Other Products/其他类产品				50

Quik-Tek Inserts



特征

- ◆ 反向滚花带,提高拉力和扭力
- ◆ 热熔或超声波快速埋植
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Opposite helical knurl bands provide balanced high-torque and high pull-out performance
- ◆ Ultrasonic / Heat staking threaded inserts
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC / Unit:mm

Thread size	A	L	S										T Head thickness	HD Head diameter	OD Insert diameter	P Pilot end	$H^{+0.1}$	W Min. wall thickness		
			Stud lengths																	
M2	4.0	2.5	3.0	-	5	6	8	10	12	14	16	18	20	25	0.53	4.8	3.6	3.1	3.2	1.3
M2.5	5.7	4.0	-	-	5	6	8	10	12	14	16	18	20	25	0.61	5.5	4.6	3.9	4.0	1.6
M3	5.7	4.0	4.8	-	5	6	8	10	12	14	16	18	20	25	0.61	5.5	4.6	3.9	4.0	1.6
M3.5	7.1	5.0	-	-	5	6	8	10	12	14	16	18	20	25	0.76	6.4	5.4	4.7	4.8	1.8
M4	8.1	4.0	4.8	5.8	5	6	8	10	12	14	16	18	20	25	0.91	7.1	6.3	5.5	5.6	2.1
M5	9.5	5.8	-	-	5	6	8	10	12	14	16	18	20	25	1.09	7.9	7.1	6.3	6.4	2.6
M6	12.7	6.8	9.5	-	5	6	8	10	12	14	16	18	20	25	1.35	9.5	8.7	7.9	8.0	3.3
M8	12.7	-	-	-	5	6	8	10	12	14	16	18	20	25	1.35	11.1	10.2	9.5	9.6	4.5
M10	12.7	-	-	-	5	6	8	10	12	14	16	18	20	25	1.60	14.0	12.6	11.8	11.9	6.0
M12	15.9	-	-	-	5	6	8	10	12	14	16	18	20	25	2.00	19.0	16.7	15.8	16.0	8.0

UNIFIED / Unit:Inch

Thread size	A	L	S										T Head thickness	HD Head diameter	OD Insert diameter	P Pilot end	$H^{+.004}$	W Min. wall thickness			
			Stud lengths																		
0-80	.125	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	-	-	.116	.095	.100	.051
2-56	.157	.100	.125	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.021	.187	.141	.123	.126	.051
4-40	.226	.096	.140	.170	.250	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.024	.218	.181	.154	.157	.063
6-32	.281	.150	.226	.250	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.030	.250	.214	.185	.189	.071
8-32	.321	.185	.250	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.036	.281	.248	.218	.220	.083
10-24	.375	.250	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.043	.312	.278	.249	.252	.102
10-32	.375	.226	.250	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.043	.312	.278	.249	.252	.102
1/4-20	.500	.250	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.053	.375	.341	.312	.315	.130
1/4-28	.500	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.053	.375	.341	.312	.315	.130
5/16-18	.500	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.053	.437	.403	.374	.378	.177
5/16-24	.500	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.053	.437	.403	.374	.378	.177
3/8-16	.500	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.063	.551	.494	.465	.469	.236
3/8-24	.500	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.063	.551	.494	.465	.469	.236
1/8-NPT	.625	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	-	-	.479	.450	.453	.236
1/2	.625	-	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.079	.748	.657	.622	.630	.315

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

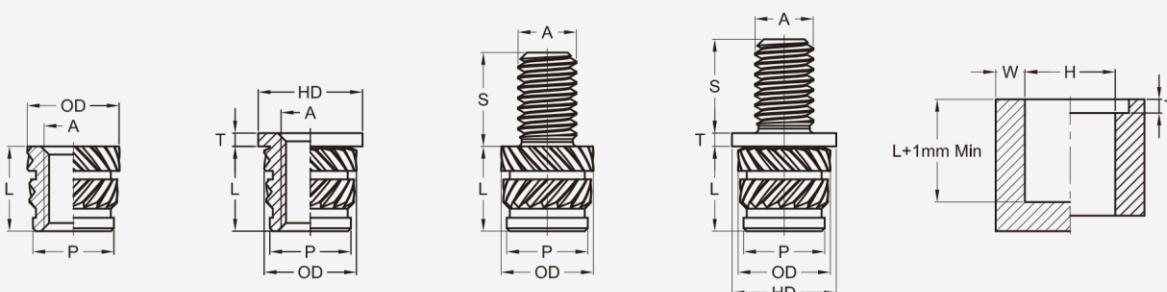
Model Code-A (Thread size) x L(Insert Length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

QT-M2.5x5.7-OD4.6B Quik-Tek Insert, M2.5x5.7-OD4.6, Brass C3604

QTH-M2.5x5.7-HD5.5SS Quik-Tek Insert with head, M2.5x5.7-HD5.5, Stainless steel SUS303

QTS-M2.5x5.7-OD4.6-S5.0SZN Quik-Tek Insert with 5.0mm stud, M2.5x5.7-OD4.6-S5.0, Steel 1215, Zinc-nickel alloy plated

QTHS-M2.5x5.7-HD5.5-S5.0SEN Quik-Tek Insert with head and 5.0mm stud, M2.5x5.7-HD5.5-S5.0, Steel 1215, Electroless nickel plated



Bol-Tek Inserts



特征

- ◆ 钻石滚花提供了最大表面摩擦力
- ◆ 适用热熔或超声波安装在8度锥形孔
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Diamond knurls provides maximum surface friction
- ◆ Suitable to direct heat or ultrasonic installation in 8 degree tapered hole
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	S Stud lengths			T Head thickness	HD Head diameter	OD Insert diameter	H +0.1 Rec. hole diameter	W Min. wall thickness
M2	5.0	—	—	—	0.6	5.0	4.1	3.8	1.5
M2.5	5.0	—	5	10	—	6.0	4.1	3.8	1.5
M3	5.5	5.0	5	10	15	—	6.0	4.7	4.4
M3.5	6.0	—	5	10	15	—	7.0	5.5	5.2
M4	7.5	6.0	5	10	15	—	8.0	5.9	5.8
M5	9.0	7.0	—	10	15	25	1.0	8.5	6.9
M6	10.0	9.0	—	10	15	25	1.0	10.0	8.6
M8	12.0	—	—	—	—	1.0	12.0	11.1	10.9

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

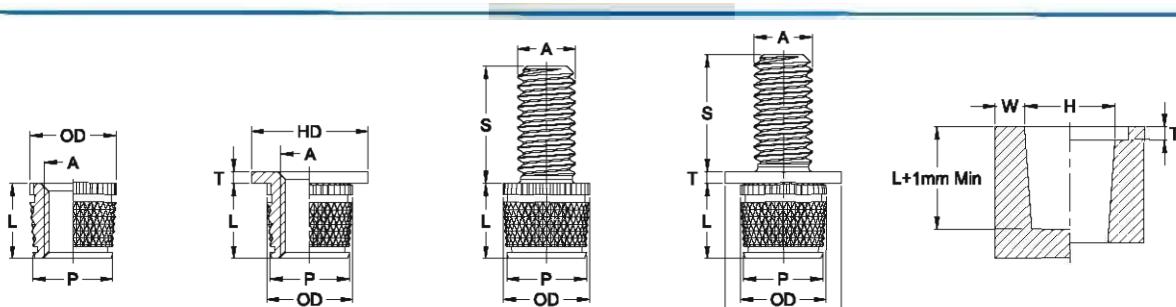
Model Code=A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

BT-M3x5.5-OD4.7B BT Insert, M3x5.5-OD4.7, Brass C3604

BTH-M3x5.5-HD6.0SS BTH Insert with head, M3x5.5-HD6.0, Stainless steel SUS303

BTS-M3x5.5-OD4.7-S5.0SZN BTS Insert with 5.0mm stud, M3x5.5-OD4.7-S5.0, Steel 1215, Zinc-nickel alloy plated

BTHS-M3x5.5-HD6.0-S5.0SEN BTHS Insert with head and 5.0mm stud, M3x5.5-HD6.0-S5.0, Steel 1215, Electroless nickel plated



HL Inserts



特征

- ◆ 月牙形滚花,可避免敏感性非晶热塑性塑胶埋置后开裂
- ◆ 热熔或超声波快速埋植
- ◆ 适用于热塑性塑胶(PC、PPS、ABS、PP等)

Features

- ◆ Mainly used in housing of mobile phone, notebook and small electric devices
- ◆ Heat staking installation is required, designed for thermoplastic plastics (PC、PPS、ABS、PP etc.)

ISO METRIC /Unit:mm

Thread size	A	L	S Stud lengths										T Head thickness	HD Head diameter	OD Insert diameter	P Pilot end	H +0.1 Rec. hole diameter	W Min. wall thickness
			5	6	8	10	12	14	16	18	20	25						
M2	3.9		5	6	8	10	12	14	16	18	20	25	0.51	4.8	3.5	3.1	3.2	1.4
M2.5	5.8		5	6	8	10	12	14	16	18	20	25	0.58	5.5	4.4	3.9	4.0	1.8
M3	5.8		5	6	8	10	12	14	16	18	20	25	0.58	5.5	4.4	3.9	4.0	1.8
M3.5	7.1		5	6	8	10	12	14	16	18	20	25	0.74	6.4	5.2	4.7	4.8	2.1
M4	8.1		5	6	8	10	12	14	16	18	20	25	0.89	7.1	6.1	5.5	5.8	2.4
M5	9.5		5	6	8	10	12	14	16	18	20	25	1.07	7.9	6.9	6.3	6.4	2.8
M6	12.7		5	6	8	10	12	14	16	18	20	25	1.32	9.5	8.5	7.9	8.0	3.6
M8	12.7		5	6	8	10	12	14	16	18	20	25	1.32	11.1	10.0	9.5	9.6	5.0

UNIFIED /Unit:Inch

Thread size	A	L	S Stud lengths										T Head thickness	HD Head diameter	OD Insert diameter	P Pilot end	H +0.04 Rec. hole diameter	W Min. wall thickness
			3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1						
2-56	.155		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.020	.187	.137	.123	.126	.055
4-40	.228		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.023	.217	.174	.154	.157	.071
6-32	.281		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.029	.250	.206	.185	.189	.083
8-32	.320		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.035	.280	.239	.218	.220	.094
10-24	.374		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.042	.312	.270	.249	.252	.110
10-32	.374		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.042	.312	.270	.249	.252	.110
1/4-20	.500		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.375	.333	.312	.315	.142
1/4-28	.500		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.375	.333	.312	.315	.142
5/16-18	.500		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.437	.393	.375	.378	.197
5/16-24	.500		3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.437	.393	.375	.378	.197

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

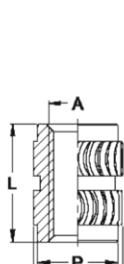
Model Code – A (Thread size) x L(Insert length) – OD(Insert diameter) or HD(Head diameter) – S(Stud lengths) + Material + Finish

HL-M2x3.9-OD3.5B HL Insert, M2x3.9-OD3.5, Brass C3604

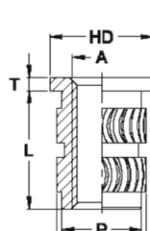
HLH-M2x3.9-HD4.8SS HLH Insert with head, M2x3.9-HD4.8, Stainless steel SUS303

HLS-M2x3.9-OD3.5-S5.0SZN HLS Insert with 5.0mm stud, M2x3.9-OD3.5-S5.0, Steel 1215, Zinc-nickel alloy plated

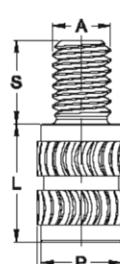
HLHS-M2x3.9-HD4.8-S5.0SEN HLHS Insert with head and 5.0mm stud, M2x3.9-HD4.8-S5.0, Steel 1215, Electroless nickel plated



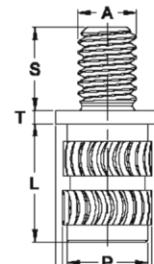
Model: HL



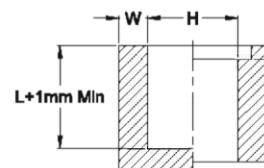
Model: HLH



Model: HLS



Model: HLHS



Thru or Blind Hole,Taper<1°

FB Inserts



特征

- ◆ 直纹滚花提供高扭力,倒刺型滚花提供高拉力
- ◆ 热熔或超声波快速埋植
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Opposite helical knurl bands provide balanced high torque and high pull-out performance
- ◆ Ultrasonic / Heat staking threaded inserts
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC / Unit:mm

A Thread size	L Insert lengths	S Stud lengths								OD Insert diameter	HD Head diameter	T Head thickness	H Rec. hole diameter	D Min. hole depth	W Min. wall thickness	H2 Head hole diameter
M2	4.0	5	8	10	12	15	18	20	25	4.0	5.0	0.5	3.5	6.5	1.0	5.2
M2.5	5.0	5	8	10	12	15	18	20	25	4.0	5.0	0.5	3.5	6.5	1.0	5.2
M3	5.5	5	8	10	12	15	18	20	25	4.5	6.0	0.5	4.0	7.0	1.1	6.2
M3.5	6.0	5	8	10	12	15	18	20	25	5.5	7.0	0.5	5.0	7.5	1.3	7.2
M4	7.5	5	8	10	12	15	18	20	25	6.0	7.5	0.8	5.4	9.0	1.4	7.7
M5	8.0	5	8	10	12	15	18	20	25	7.0	8.0	0.8	6.4	9.5	1.7	8.2
M6	9.0	5	8	10	12	15	18	20	25	8.5	10.0	0.8	7.9	11.0	2.0	10.2
M8	11.0	5	8	10	12	15	18	20	25	10.0	12.0	1.0	9.4	13.0	2.4	12.2
M10	13.0	5	8	10	12	15	18	20	25	12.0	14.0	1.0	11.3	15.5	2.9	14.2

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

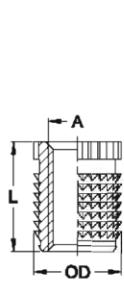
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

FB-M2x4.0-OD4.0B FB Insert, M2x4.0-OD4.0, Brass C3604

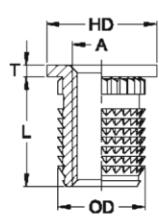
FBH-M2x4.0-HD5.0SS FBH Insert with head, M2x4.0-HD5.0, Stainless steel SUS303

FBS-M2x4.0-OD4.0-S5.0SZN FBS Insert with 5.0mm stud, M2x4.0-OD4.0-S5.0, Steel 1215, Zinc-nickel alloy plated

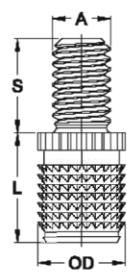
FBHS-M2x4.0-HD5.0-S5.0SEN FBHS Insert with head and 5.0mm stud, M2x4.0-HD5.0-S5.0, Steel 1215, Electroless nickel plated



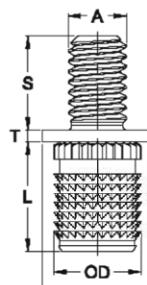
Model: FB



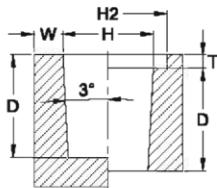
Model: FBH



Model: FBS



Model: FBHS



Thru or Blind Hole, Taper=3°

Soni-Tek Inserts



特征

- ◆ 反向滚花带，提高拉力和扭力
- ◆ 热熔或超声波快速埋植
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Opposite helical knurl bands provide balanced high torque and high pull-out performance
- ◆ Ultrasonic / Heat staking threaded inserts
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC /Unit:mm

Thread size	A L				S Stud lengths												OD Insert diameter	P Pilot end	H ^{+0.1} Rec. hole diameter	W Min. wall thickness
	Insert lengths				Stud lengths															
M2	4	3	-	-	5	6	8	10	12	14	16	18	20	25	3.5	3.1	3.2	1.3		
M2.5	5.7	4	-	-	5	6	8	10	12	14	16	18	20	25	4.4	3.9	4.0	1.6		
M3	5.7	4	4.8	-	5	6	8	10	12	14	16	18	20	25	4.4	3.9	4.0	1.6		
M3.5	7.1	5	-	-	5	6	8	10	12	14	16	18	20	25	5.2	4.7	4.8	1.8		
M4	8.1	4	4.8	5.8	5	6	8	10	12	14	16	18	20	25	6.1	5.5	5.6	2.1		
M5	9.5	5.8	-	-	5	6	8	10	12	14	16	18	20	25	6.8	6.3	6.4	2.6		
M6	12.7	6.8	9.5	-	5	6	8	10	12	14	16	18	20	25	8.5	7.9	8.0	3.3		
M8	12.7	-	-	-	5	6	8	10	12	14	16	18	20	25	10.0	9.5	9.6	4.5		
M10	12.7	-	-	-	5	6	8	10	12	14	16	18	20	25	12.3	11.8	11.9	6.0		
M12	15.9	-	-	-	5	6	8	10	12	14	16	18	20	25	16.3	15.8	16.0	8.0		

UNIFIED /Unit:Inch

Thread size	A L				S Stud lengths												OD Insert diameter	P Pilot end	H ^{+0.04} Rec. hole diameter	W Min. wall thickness
	Insert lengths				Stud lengths															
2-56	.155	.118	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.137	.123	.125	.051		
4-40	.224	.157	.188	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.174	.154	.157	.063		
6-32	.279	.197	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.205	.185	.189	.071		
8-32	.319	.157	.188	.228	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.239	.218	.220	.083		
10-24	.373	.228	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.269	.249	.252	.102		
10-32	.373	.228	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.269	.249	.252	.102		
1/4-20	.498	.269	.374	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.333	.312	.315	.130		
1/4-28	.498	.269	.374	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.333	.312	.315	.130		
5/16-18	.498	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.394	.374	.378	.177		
5/16-24	.498	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.394	.374	.378	.177		
3/8-16	.498	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.485	.465	.469	.236		
3/8-24	.498	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.485	.465	.469	.236		
1/2	.626	-	-	-	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.643	.622	.630	.315		

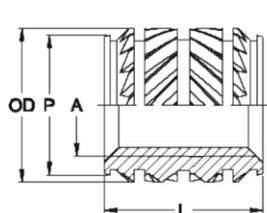
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

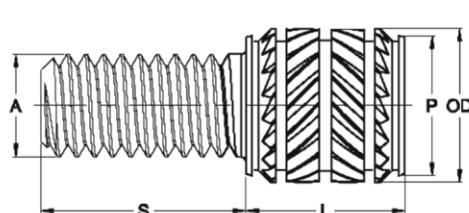
Model Code-A (Thread size) x L (Insert length)-OD (Insert diameter)-S (Stud lengths)+Material+Finish

ST-M2x4.0-OD3.5B Soni-Tek Insert Insert, M2x4.0-OD3.5, Brass C3604

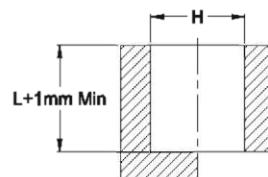
STS-M2x4.0-OD3.5-S5.0SS Soni-Tek Insert with 5.0mm stud, M2x4.0-OD3.5-S5.0, Stainless steel SUS303



Model: ST



Model: STS



Thru or Blind Hole,Taper<1°

Mini-Tek Inserts



特征

- ◆ 主要用于手机外壳，笔记本电脑和小型电子设备
- ◆ 线程从M1到M2.5
- ◆ 热熔埋植要求，适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Mainly used in housing of mobile phone, notebook and small electric devices
- ◆ Thread ranges from M1 to M2.5
- ◆ Heat staking installation is required, designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths			T Head height	HD Head diameter	OD Insert diameter	P Pilot end	$H^{+0.1}$ Rec. hole diameter	W Min. wall thickness
	M1	M1.2	M1.4						
M1	2.5	—	—	—	—	2.10	1.70	1.75	0.70
M1.2	2.5	—	—	—	—	2.10	1.70	1.75	0.70
M1.4	3.0	—	—	—	0.40	3.0	2.50	2.10	2.15
M1.6	3.0	2.5	2.2	2.0	0.40	3.0	2.50	2.10	2.15
M2	3.0	—	—	—	0.40	3.5	3.00	2.60	2.65
M2.5	4.0	—	—	—	0.40	4.0	3.65	3.15	3.20

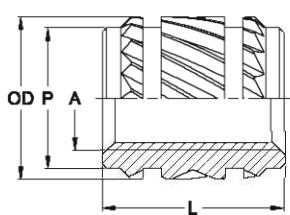
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

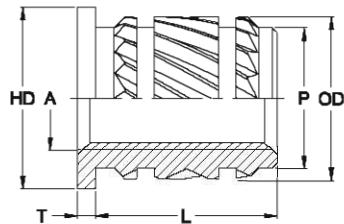
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)+Material+Finish

MT-M1.6x3.0-OD2.5B Mini-Tek Insert, M1.6x3.0-OD2.5, Brass C3604

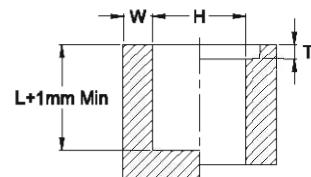
MTH-M1.6x3.0-HD3.0SS Mini-Tek Insert with head, M1.6x3.0-HD3.0, Stainless steel SUS303



Model: MT



Model: MTH



Thru or Blind Hole,Taper<1°

AT Inserts



特征

- ◆ 超声、热熔、注塑成型埋植
- ◆ 对称安装的设计消除了定位
- ◆ 反向滚花提供了高扭力和拉力
- ◆ 凹槽设计增强抗拉强度
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Can be installed ultrasonically, with heat, or molded in
- ◆ Symmetrical design eliminates orientation before installation
- ◆ Opposite knurls provide torque resistance
- ◆ Undercuts provide tensile strength
- ◆ Designed for thermoplastic plastics(PPS、ABS、PP etc.)

ISO METRIC /Unit:mm

A Thread size	L ± 0.1 Insert lengths	P ± 0.08 Pilot end	OD Insert diameter	H ± 0.08 Rec. hole size	W Min. wall thickness
M2x0.4	3.99	3.12	3.43	3.25	2.0
M2.2x0.45	3.99	3.12	3.43	3.25	2.0
M2.5x0.45	5.74	3.91	4.55	4.01	2.54
M3x0.5	5.74	3.91	4.55	4.01	2.54
M3.5x0.6	7.14	4.7	5.59	4.80	3.19
M4x0.7	8.15	5.54	6.35	5.64	3.53
M5x0.8	9.53	6.32	7.14	6.43	3.92
M6x1	12.7	7.92	8.69	8.03	4.67

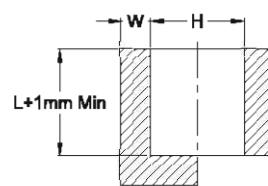
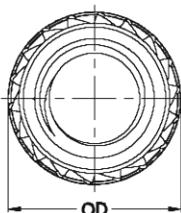
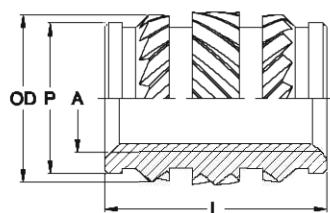
UNIFIED /Unit:Inch

A Thread size	L Insert lengths	P Pilot end	OD Insert diameter	H hole size	W Min. wall thickness
2-56	.157	.123	.135	.128	.079
4-40	.226	.154	.179	.158	.100
6-32	.281	.185	.220	.189	.126
8-32	.321	.218	.250	.222	.139
10-24	.375	.249	.281	.253	.155
10-32	.375	.249	.281	.253	.155
1/4-20	.500	.312	.342	.316	.184
1/4-28	.500	.312	.342	.316	.184

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish
AT-M2x3.99-OD3.43B AT Insert, M2x3.99-OD3.43, Brass C3604



Model: AT

Thru or Blind Hole,Taper<1°

OT Inserts



特征

- ◆ 配有耐高温O形密封圈，保证埋植密封性
- ◆ 热熔埋植
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Utilizing high temperature O-ring can provide positive tightness of implanting between insert and material.
- ◆ Easy to install with heat
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

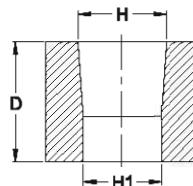
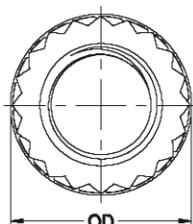
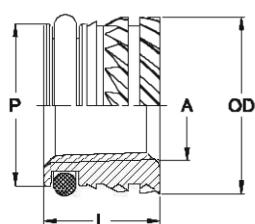
UNIFIED /Unit:Inch

A Thread size	L Insert lengths	OD Insert diameter	P Pilot end	H Rec. hole size	H1 Rec. hole size	D Min. hole Depth
1/8-27	.400	.614	.562	.607	.567	.430
1/4-18	.475	.736	.680	.727	.685	.505
3/8-18	.500	.883	.812	.870	.817	.530

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code – A (Thread size) x L(Insert length) – OD(Insert diameter) + Material + Finish
OT-1827x10.2-OD15.6B OT Insert, 1/8-27x10.2-OD15.6mm, Brass C3604



Model: OT

Thru or Blind Hole,Taper 8°

HT Inserts



特征

- ◆ 超声、热熔、注塑成型埋植
- ◆ 盲孔设计，反向滚花提供了高扭力和拉力
- ◆ 适用于热固性塑胶（注塑埋植）和热塑性塑胶

Features

- ◆ Can be installed ultrasonically, with heat, or molded in blind hole design
- ◆ Opposite diagonal knurls provide torque resistance
- ◆ Designed for thermoplastic and thermosetting plastics (injection implant)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	T Head thickness	OD Insert diameter	P Pilot end	HD Head diameter	H Rec. hole size	W Min. wall thickness
M 3	8.8	0.6	4.6	3.9	5.6	4.0	2.3
M 4	12.2	0.8	6.3	5.5	7.2	5.6	2.5
M 5	15.0	1.0	7.0	6.3	8.0	6.4	2.7
M 6	15.0	1.3	8.6	7.9	9.5	8.0	3.0
M 8	15.0	1.3	10.2	9.5	11.0	9.6	3.5

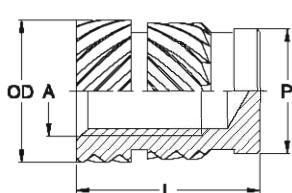
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

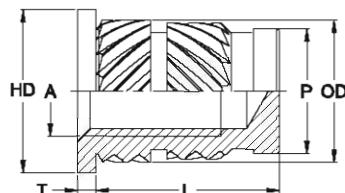
Model Code – A (Thread size) x L(Insert length) – OD(Insert diameter) or HD(Head diameter) + Material + Finish

HT-M3x8.8-OD4.6B HT Insert, M3x8.8-OD4.6, Brass C3604

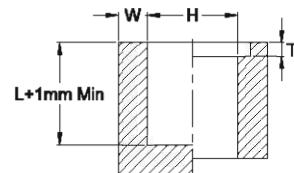
HTH-M3x8.8-HD5.6SS HTH Insert with head, M3x8.8-HD5.6, Stainless steel SUS303



Model: HT



Model: HTH



Thru or Blind Hole,Taper 8°

Taper-Set Inserts



特征

- ◆ 反向滚花带，提高拉力和扭力
- ◆ 热熔或超声波埋植在8度锥形孔
- ◆ 适用于热塑性塑胶(PPS、ABS、PP等)

Features

- ◆ Opposite helical knurl bands provide balanced high torque and high pull-out performance
- ◆ Suitable to direct heat or ultrasonic installation in 8 degree tapered hole
- ◆ Designed for thermoplastic plastics (PPS, ABS, PP etc.)

ISO METRIC /Unit:mm

A Thread size	TSS Short Version				TSL Long Version				OD Insert diameter	W Min. wall thickness
	L ± 0.13 Insert lengths	P Pilot end	H1 ± 0.05 Rec. hole size	H2 ± 0.05 Rec. hole size	L ± 0.13 Insert lengths	P Pilot end	H1 ± 0.05 Rec. hole size	H2 ± 0.05 Rec. hole size		
M2	2.92	2.77	3.12	3.00	—	—	—	—	3.58	2.4
M2.5	3.43	3.99	4.04	3.89	5.56	3.79	4.04	3.58	3.58	2.4
M3	3.43	3.99	4.04	3.89	5.56	3.79	4.04	3.58	3.58	2.4
M3	3.81	5.16	5.23	5.05	6.35	4.83	5.23	4.70	5.56	3.0
M3.5	3.81	5.16	5.23	5.05	6.35	4.83	5.23	4.70	5.56	3.0
M4	4.70	5.84	5.94	5.74	7.92	5.41	5.94	5.28	6.35	3.4
M5	5.72	6.91	7.03	6.78	9.53	6.38	7.03	6.25	7.54	3.9
M5	6.71	7.83	8.00	7.70	11.10	7.16	8.00	7.06	8.33	4.4
M6	7.62	8.99	9.22	8.86	12.70	8.43	9.22	8.15	9.52	4.9
M8	8.51	11.15	11.38	10.95	14.27	10.31	11.38	10.19	11.91	6.2

UNIFIED /Unit:Inch

A Thread size	TSS Short Version				TSL Long Version				OD Insert diameter	W Min. wall thickness
	L ± .005 Insert lengths	P Pilot end	H1 ± .002 Rec. hole size	H2 ± .002 Rec. hole size	L ± .005 Insert lengths	P Pilot end	H1 ± .002 Rec. hole size	H2 ± .002 Rec. hole size		
0-80/2-56	.115	.123	.123	.118	.188	.115	.123	.107	.141	.080
4-40	.135	.157	.159	.153	.219	.149	.159	.141	.172	.093
6-32	.150	.203	.206	.199	.250	.190	.206	.185	.219	.188
8-32	.185	.230	.234	.226	.312	.213	.234	.208	.250	.133
10-24	.225	.272	.277	.267	.375	.251	.277	.246	.297	.159
10-32	.225	.272	.277	.267	.375	.251	.277	.246	.297	.159
1/4-20	.300	.354	.363	.349	.500	.332	.363	.321	.375	.194
1/4-28	.300	.354	.363	.349	.500	.332	.363	.321	.375	.194
5/16-18	.335	.439	.448	.431	.562	.406	.448	.401	.469	.245
3/8-16	.375	.532	.540	.523	.625	.493	.540	.488	.563	.293

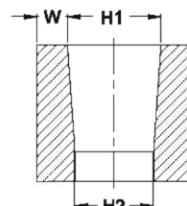
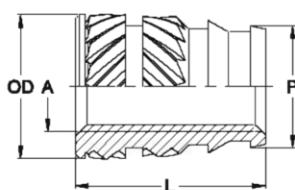
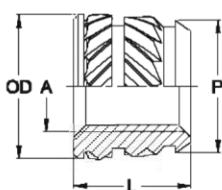
Diamond knurl Thread sizes 0-80, 2-56 .Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available on request.

Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

TSS-M3x3.43-OD4.37B Taper-Set Insert short version, M3x3.43-OD4.37, Brass C3604

TSL-256x4.78-OD3.58SS Taper-Set Insert long version, 2-56x4.78-OD3.58, Stainless steel SUS303



Model: TSS

Model: TSL

Thru or Blind Hole,Taper 8°

Fin-Set Inserts



特征

- ◆ 冷压快速埋植
- ◆ 具有高扭力和拉力的性能
- ◆ 适用于热塑性塑胶 (ABS、PP等)

Features

- ◆ Press-in threaded inserts
- ◆ High torque and tension performance
- ◆ Designed for thermoplastic plastics (ABS, PP etc.)

ISO METRIC /Unit:mm

Thread size	L	S										T	HD	OD	P	$H^{+0.1}$	W	No. of Fins
		Stud lengths																
M2	4.0	5 6 8 10 12 14 16 18 20 25	0.45	4.8	3.7	3.1	3.2	1.6	2									
M2.5	4.8	5 6 8 10 12 14 16 18 20 25	0.58	5.5	4.5	3.9	4.0	2.0	3									
M3	4.8	5 6 8 10 12 14 16 18 20 25	0.58	5.5	4.5	3.9	4.0	2.0	3									
M3.5	6.4	5 6 8 10 12 14 16 18 20 25	0.74	6.4	5.3	4.7	4.8	2.4	4									
M4	7.9	5 6 8 10 12 14 16 18 20 25	0.89	7.1	6.1	5.5	5.6	2.8	5									
M5	9.5	5 6 8 10 12 14 16 18 20 25	1.07	7.9	7.0	6.3	6.4	3.2	5									
M6	12.7	5 6 8 10 12 14 16 18 20 25	1.32	9.5	8.6	7.9	8.0	4.0	7									
M8	12.7	5 6 8 10 12 14 16 18 20 25	1.32	11.1	10.2	9.5	9.6	4.8	7									

UNIFIED /Unit:Inch

A	L	S										T	HD	OD	P	$H^{+0.04}$	W	No. of Fins
		Stud lengths																
2-56	.157	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.018	.189	.147	.123	.126	.063	2								
4-40	.187	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.023	.217	.178	.154	.157	.079	3								
6-32	.250	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.029	.250	.209	.185	.189	.094	4								
8-32	.312	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.035	.281	.240	.218	.220	.110	5								
10-24	.375	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.042	.312	.274	.248	.252	.126	5								
10-32	.375	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.042	.312	.274	.248	.252	.128	5								
1/4-20	.500	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.052	.375	.337	.310	.315	.157	7								
1/4-28	.500	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.052	.375	.337	.310	.315	.157	7								
5/16-18	.500	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.052	.433	.400	.375	.378	.189	7								
5/16-24	.500	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8	1	.052	.433	.400	.375	.378	.189	7								

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

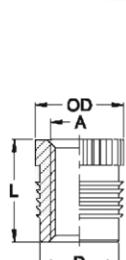
Model Code=A (Thread size) x L (Insert length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

FS-M2.5x4.8-OD4.5B Fin-Set Insert, M2.5x4.8-OD4.5, Brass C3604

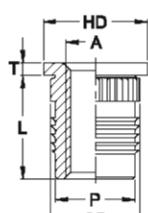
FSH-M2.5x4.8-HD5.5SS Fin-Set Insert with head, M2.5x4.8-HD5.5, Stainless steel SUS303

FSS-M2.5x4.8-OD4.5-S5.0SZN Fin-Set Insert with 5.0mm stud, M2.5x4.8-OD4.5-S5.0, Steel 1215, Zinc-nickel alloy plated

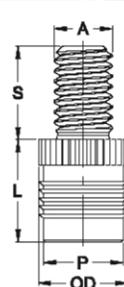
FSHS-M2.5x4.8-HD5.5-S5.0SEN Fin-Set Insert with head and 5.0mm stud, M2.5x4.8-HD5.5-S5.0, Steel 1215, Electroless nickel plated



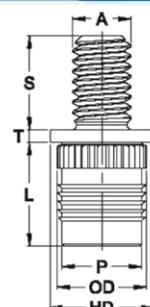
Model: FS



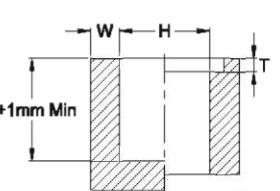
Model: FSH



Model: FSS



Model: FSHS



Thru or Blind Hole,Taper<1°

SP Inserts



特征

- ◆ 冷压快速埋植
- ◆ 高转矩性能
- ◆ 适用于较薄壁厚，降低破裂风险
- ◆ 适用于硬而脆的热固性塑胶 (Ureas、Tufnol等)

Features

- ◆ Press-in threaded inserts
- ◆ High torque performance
- ◆ Low bursting stress allows the use of thinner wall reducing the risk of rupture
- ◆ Designed for hard and brittle thermosetting plastics (Ureas, Tufnol etc.)

ISO METRIC /Unit:mm

Thread size	A	L	S										T	Head height	HD Head diameter	OD Insert diameter	P Pilot end	$H^{+0.1}$ Rec. hole size	W Min. wall thickness
			Stud lengths																
M2	4.1	5	6	8	10	12	14	16	18	20	25	0.51	4.8	3.3	3.0	3.1	1.6		
M2.5	5.3	5	6	8	10	12	14	16	18	20	25	0.58	5.5	4.2	3.7	3.8	2.0		
M3	5.3	5	6	8	10	12	14	16	18	20	25	0.58	5.5	4.2	3.7	3.8	2.0		
M3.5	6.3	5	6	8	10	12	14	16	18	20	25	0.74	6.4	5.0	4.5	4.6	2.5		
M4	7.4	5	6	8	10	12	14	16	18	20	25	0.89	7.1	5.8	5.3	5.4	2.5		
M5	8.3	5	6	8	10	12	14	16	18	20	25	1.07	7.9	6.6	6.1	6.2	2.5		
M6	9.2	5	6	8	10	12	14	16	18	20	25	1.32	9.5	8.2	7.7	7.8	2.8		
M8	9.2	5	6	8	10	12	14	16	18	20	25	1.32	11.1	9.7	9.3	9.3	3.8		
M10	9.2	5	6	8	10	12	14	16	18	20	25	1.57	14.0	12.7	12.2	12.3	5.0		

UNIFIED /Unit:Inch

Thread size	A	L	S										T	Head height	HD Head diameter	OD Insert diameter	P Pilot end	$H^{+0.1}$ Rec. hole size	W Min. wall thickness
			Stud lengths																
2-56	.162	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.020	.187	.131	.117	.112	.063		
4-40	.208	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.023	.217	.165	.146	.150	.079		
6-32	.247	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.029	.250	.196	.178	.181	.098		
8-32	.292	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.035	.281	.228	.209	.213	.098		
10-24	.326	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.042	.312	.259	.241	.244	.098		
10-32	.326	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.042	.312	.259	.241	.244	.098		
1/4-20	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.375	.332	.304	.307	.110		
1/4-28	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.375	.332	.304	.307	.110		
5/16-18	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.437	.383	.365	.366	.150		
5/16-24	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.052	.437	.383	.365	.366	.150		
3/8-46	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.062	.551	.499	.481	.484	.197		
3/8-24	.362	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	.062	.551	.499	.481	.484	.197		

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

SP-M2x4.1-OD3.3B

SP Insert, M2x4.1xOD3.3, BrassC3604

SPH-M2x4.1-HD4.8SS

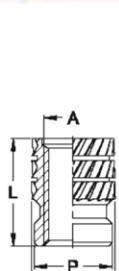
SPH Insert with head, M2x4.1xHD4.8, Stainless steel SUS303

SPS-M2x4.1-OD3.3-S5.0SZN

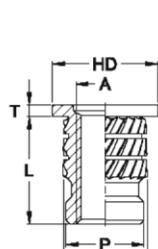
SPS Insert with 5.0mm stud, M2x4.1xOD3.3-S5.0, Steel 1215, Zinc-nickel alloy plated

SPHS-M2x4.1-HD4.8-S5.0SEN

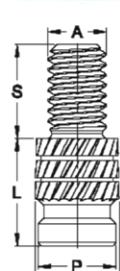
SPHS Insert with head and 5.0mm Stud, M2x4.1xHD4.8-S5.0, Steel 1215, Electroless nickel plated



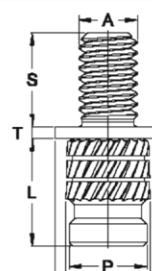
Model: SP



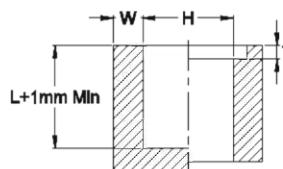
Model:SPH



Model: SPS



Model: SPHS



Thru or Blind Hole,Taper<1°

GT Inserts

特征

- ◆ 冷压快速埋植
- ◆ 直滚花和倒刺，以达到强拉力和扭力
- ◆ 适用于热塑性塑胶 (ABS、PP等)

Features

- ◆ Press-in threaded inserts
- ◆ Straight knurls and agnail can achieve strong pulling force and torque
- ◆ Designed for thermoplastic plastics (ABS、PP etc.)



ISO METRIC /Unit:mm

A Thread size	L Insert lengths	OD Insert diameter	H ^{+0.1} Rec. hole size	Model
M2	3.5	4.0	3.2	GT
M2.5	4.0	4.5	3.5	GT
M3	5.0	5.6	4.7	GT
M3	8.0	5.6	4.7	GTL
M3	9.5	5.6	4.7	GTL
M3.5	5.0	6.0	5.1	GT
M3.5	8.0	6.0	5.1	GTL
M3.5	9.5	6.0	5.1	GTL
M4	5.0	6.6	5.6	GT
M4	8.0	6.6	5.6	GTL
M4	9.5	6.6	5.6	GTL
M5	6.0	7.6	6.8	GT
M5	9.0	7.6	6.8	GTL
M6	7.0	8.6	7.7	GT
M6	9.0	8.6	7.7	GTL
M8	10.0	10.6	9.6	GTL

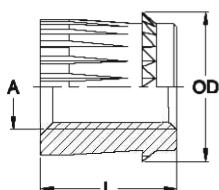
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

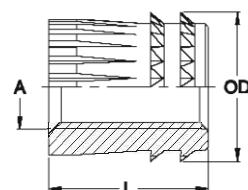
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

GT-M2x3.5-OD4.0B GT Insert, M2x3.5xOD4.0, Brass C3604

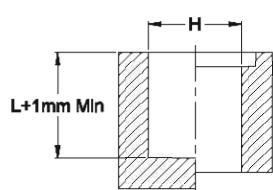
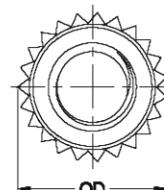
GTL-M3x8.0-OD5.6SS GTL Insert, M3x8.0xOD5.6, Stainless steel SUS303



Model: GT



Model:GTL



Thru or Blind Hole,Taper<1°

EZ-Loc Inserts

特征

- 大量的逆叶片和滚花带，以达到强拉力和扭力
- 冷压埋植
- 槽用于扩张自锁
- 适用于热塑性塑胶 (ABS、PP等)

Features

- It features a lot of inverse fins and knurls bands to achieve the required performance
- Press-in threaded inserts
- The slot produces an expansion effect for self-locking
- Designed for thermoplastic plastics (ABS、PP etc.)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	OD Insert diameter	H +0.1 Rec. hole size	W Min. wall thickness
M2	4.0	3.7	3.2	1.6
M2.5	5.8	4.5	4.0	2.0
M3	5.8	4.5	4.0	2.0
M3.5	7.2	5.3	5.8	2.4
M4	8.2	6.2	5.6	2.8
M5	9.5	6.9	6.4	3.2
M6	12.7	8.5	8.0	4.0
M8	12.7	10.1	9.6	4.8

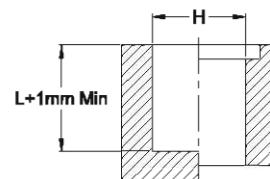
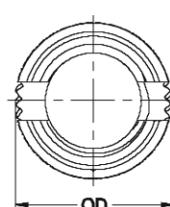
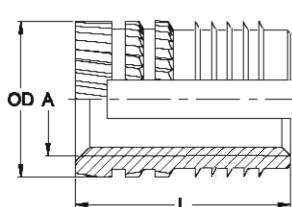
UNIFIED /Unit:Inch

A Thread size	L Insert lengths	OD Insert diameter	H +0.004 Rec. hole size	W Min. wall thickness
2-56	.157	.146	.126	.063
4-40	.228	.177	.157	.079
6-32	.283	.209	.189	.094
8-32	.323	.242	.220	.110
10-24	.374	.322	.252	.126
10-32	.374	.322	.252	.126
1/4-20	.500	.374	.315	.157
1/4-28	.500	.374	.315	.157
5/16-18	.500	.398	.378	.189
5/16-24	.500	.398	.378	.189

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish
EZL-M2x4.0-OD3.7B EZ-Loc Insert, M2x4.0xOD3.7, Brass C3604



Model: EZL

Thru or Blind Hole,Taper<1°

Exp-Loc Inserts

特征

- ◆ 冷压埋植
- ◆ 槽用于扩张自锁
- ◆ 适用于热塑性塑胶 (ABS、PP等)

Features

- ◆ Press-in threaded inserts
- ◆ The slot produces an expansion effect for self-locking
- ◆ Designed for thermoplastic plastics (ABS、PP etc.)



EL Inserts /Unit:mm

A Thread size UNC/F	A Thread size Metric	L Insert lengths		OD Insert diameter	H ±0.05 Rec. hole size	W Min. wall thickness
2-56	-	3.96	-	3.43	3.18	2.4
4-40	M3	4.77	6.35	4.29	3.96	3.2
6-32	-	6.35	7.95	5.08	4.78	3.6
8-32	M4	6.35	7.95	5.87	5.56	4.0
10-32	M5	7.95	9.52	6.68	6.35	4.8
1/4-20	M6	11.12	12.7	8.51	7.95	6.0

ELH1/ELH2 Inserts /Unit:mm

A Thread size UNC/UNF	A Thread size Metric	L Insert lengths		T Head height	HD Head diameter	OD Insert diameter	H ±0.05 Rec. hole size	W Min. wall thickness
2-56	-	3.45	-	0.51	4.78	3.43	3.18	2.4
4-40	M3	4.22	5.80	0.56	5.56	4.29	3.96	3.2
6-32	-	5.64	6.43	0.71	6.35	5.08	4.78	3.6
8-32	M4	6.25	7.06	0.89	7.14	5.87	5.56	4.0
10-32	M5	6.86	8.43	1.09	7.95	6.68	6.35	4.8
1/4-20	M6	9.86	11.43	1.27	9.53	8.51	7.95	6.0

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

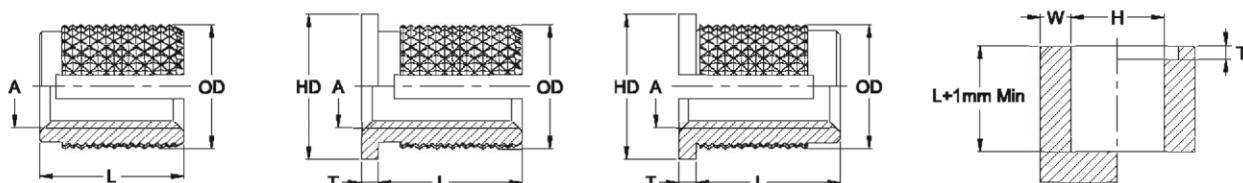
Part number designation

Model Code – A (Thread size) x L(Insert length) – OD(Insert diameter) or HD(Head diameter) + Material + Finish

EL-M3x4.77-OD4.29B EL Insert, M3x4.77-OD4.29, Brass C3604, Cleaning

ELH1-M3x4.22-HD5.56B ELH1 Insert with solid head, M3x4.22-HD5.56, Brass C3604, Cleaning

ELH2-M3x4.22-HD5.56SS ELH2 Insert with split head, M3x4.22-HD5.56, Stainless steel SUS303, Passivated



Model: EL

Model: ELH1

Model: ELH2

Thru or Blind Hole,Taper<1°



BL Inserts

特征

- ◆ 冷压埋植
- ◆ 六角倒刺设计保证了高扭力和拉力
- ◆ 适用于热塑性塑胶 (ABS、PP等)

Features

- ◆ Press-in threaded inserts
- ◆ Hexagonal "barbed" configuration ensures high torque-out and pullout values.
- ◆ Designed for thermoplastic plastics (ABS、PP etc.)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	PMax Insert	SW Head	H ^{+0.08} Rec. hole size	D Min. hole depth	W Min. wall thickness
M2.5	5.84	4.72	4.75	4.75	6.10	3.975
M3 x 0.5	5.84	4.72	4.75	4.75	6.10	3.975
M3.5 x 0.6	5.84	4.72	4.75	4.75	6.10	3.975
M4 x 0.7	6.73	6.32	6.35	6.35	6.99	4.765
M5 x 0.8	6.73	6.32	6.35	6.35	6.99	4.765
M6 x 1	8.00	7.89	7.92	7.92	8.33	5.565
M8 x 1.25	9.27	9.50	9.53	9.53	9.65	7.300

UNIFIED /Unit:Inch

A Thread size	L Insert lengths	PMax Insert	SW Head	H ^{+0.03} Rec. hole size	D Min. hole depth	W Min. wall thickness
.086-56 (#2-56)	.230	.186	.187	.187	.240	.157
.112-40 (#4-40)	.230	.186	.187	.187	.240	.157
.138-32 (#6-32)	.230	.186	.187	.187	.240	.157
.164-32 (#8-32)	.265	.249	.250	.250	.275	.188
.190-24 (#10-24)	.265	.249	.250	.250	.275	.188
.190-32 (#10-32)	.265	.249	.250	.250	.275	.188
.250-20 (1/4-20)	.315	.311	.312	.312	.328	.219
.313-18 (5/16-18)	.365	.374	.375	.375	.380	.288

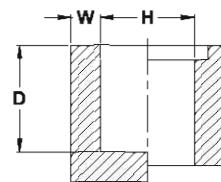
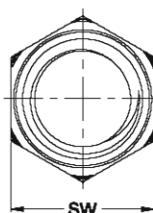
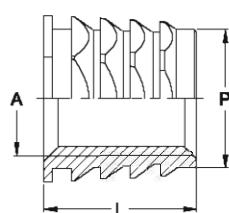
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code=A (Thread size) x L(Insert length)-SW(Insert hexagon)+Material+Finish

BL-M3x5.84-SW4.75B BL Insert, M3x5.84xSW4.72, Brass C3604

BL-M3x5.84-SW4.75B BL Insert, M3x5.84xSW4.75, Stainless steel SUS303



Model:BL

Thru or Blind Hole,Taper<1°

CL Inserts

特征

- ◆ 直滚花和倒刺，以达到强拉力和扭力
- ◆ 冷压埋植
- ◆ 槽用于扩张自锁
- ◆ 适用于热塑性塑胶 (ABS、PP等)

Features

- ◆ Straight knurling and aagnail can achieve strong tension and torsion
- ◆ Press-in threaded inserts
- ◆ The slot produces an expansion effect for self-locking
- ◆ Designed for thermoplastic plastics (ABS, PP etc.)

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	OD Insert diameter	H ^{+0.1} Rec. hole size	Model
M 2	3.5	4.0	3.2	CL
M 2.5	4.0	4.5	3.5	CL
M 3	4.0	5.6	4.7	CL
M 3	5.0	5.6	4.7	CL
M 3	8.0	5.6	4.7	CLL
M 3	9.5	5.6	4.7	CLL
M 3.5	5.0	6.0	5.1	CL
M 3.5	8.0	6.0	5.1	CLL
M 3.5	9.5	6.0	5.1	CLL
M 4	5.0	6.6	5.6	CL
M 4	8.0	6.6	5.6	CLL
M 4	9.5	6.6	5.6	CLL
M 5	6.0	7.6	6.8	CL
M 5	9.0	7.6	6.8	CLL
M 6	7.0	8.6	7.7	CL
M 6	9.0	8.6	7.7	CLL
M 8	10.0	10.6	9.6	CLL

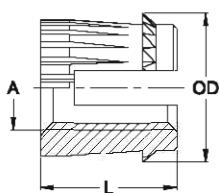
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

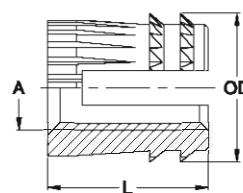
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

CL-M2x3.5-OD4.0B CL Insert, M2x3.5xOD4.0, Brass C3604

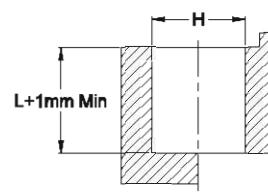
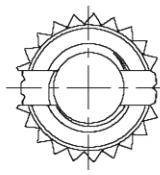
CLL-M3x8.0-OD5.6SS CLL Insert , M3x8.0xOD5.6, Stainless steel SUS303



Model: CL



Model:CLL



Thru or Blind Hole,Taper<1°

DL Inserts



特征

- ◆ 钻石滚花提供了最大表面摩擦力
- ◆ 冷压埋植
- ◆ 槽用于扩张自锁
- ◆ 适用于热塑性和热固性塑胶

Features

- ◆ Diamond knurls provides maximum surface friction
- ◆ Press-in threaded inserts
- ◆ The slot produces an expansion effect for self-locking
- ◆ Designed for thermoplastics and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	L1 Lengths min	T Head height	OD Insert diameter	HD Head diameter	D3	H ^{+0.1} Rec. hole size	W Min. wall thickness
M 2.5	6.5	4.0	-	4.0	-	-	4.0	2.4
M 2.5	6.0	3.6	0.8	4.0	5.5	-	4.0	2.4
M 2.5	7.0	3.6	0.8	4.0	5.5	3.6	4.0	2.4
M 3	6.5	4.0	-	4.0	-	-	4.0	2.4
M 3	6.5	4.0	-	4.8	-	-	4.8	2.9
M 3	6.0	3.5	0.8	4.8	6.3	-	4.8	2.9
M 3	7.0	3.5	0.8	4.8	6.3	4.1	4.8	2.9
M 3.5	8.0	5.0	-	4.8	-	-	4.8	2.9
M 3.5	7.5	4.7	0.8	4.8	6.3	-	4.8	2.9
M 3.5	8.5	4.7	0.8	4.8	6.3	4.6	4.8	2.9
M 4	9.5	6.5	-	5.5	-	-	5.5	3.3
M 4	8	5.0	-	5.5	-	-	5.5	3.3
M 4	7.5	4.4	0.8	5.5	7.0	-	5.5	3.3
M 4	8.5	4.4	0.8	5.5	7.0	-	5.5	3.3
M 5	11.0	7.5	-	6.5	-	-	6.5	3.9
M 5	8.0	4.5	-	6.5	-	-	6.5	3.9
M 5	8.5	5.0	0.8	6.5	8.0	-	6.5	3.9
M 5	9.5	5.0	0.8	6.5	8.0	6.1	6.5	3.9
M 6	12.5	8.5	-	8.0	-	-	8.0	4.8
M 6	11.0	7.0	0.8	8.0	10.0	-	8.0	4.8
M 6	12.0	7.0	0.8	8.0	10.0	7.1	8.0	4.8
M 8	16.0	11.0	-	11.0	-	-	11.0	6.6

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

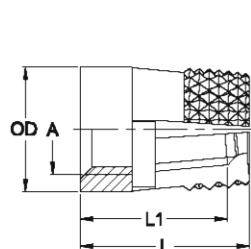
Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)+Material+Finish

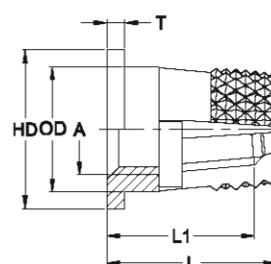
DL-M2.5x6.5-OD4.0B DL Insert, M2.5x6.5mm-OD4.0, Brass C3604

DLH-M2.5x6-HD5.5B DLH Insert with head, M2.5x6mm-HD5.5, Brass C3604

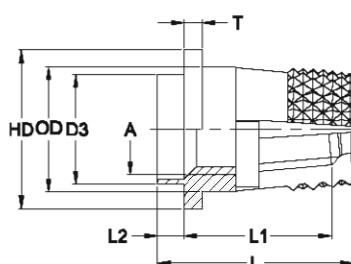
DLHS-M2.5x7-HD5.5B DLHS Insert with head, M2.5x7mm-HD5.5, Brass C3604



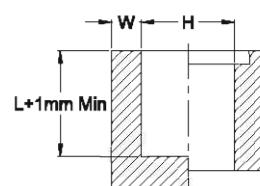
Model: DL



Model: DLH



Model: DLHS



Thru or Blind Hole,Taper<1°



Multi-Barb Inserts

特征

- 逆叶片和倒刺结构提供高拉力和扭力
- 可以冷压埋植到柔软的热塑性塑胶,也可热熔埋植到热固性塑胶

Features

- Inverse vanes together with the unique barbs provide high pull-out and torque performance
- It can be pressed-in the soft thermoplastic plastics, as well by heat-staking to thermosetting plastics

MB and MBH Long/Unit:mm

A Thread size	L Insert lengths	T Head height	OD Insert diameter	HD Head diameter	H Rec. hole size	W Min. wall thickness
M2	3.1	4.2	0.50	—	3.60	4.80 — 3.00~3.30 1.35
M2.5	4.1	5.2	0.75	—	4.50	5.50 7.10 3.70~4.00 1.70
M3	4.1	5.2	0.75	1.50	4.50	5.50 7.10 3.70~4.00 1.70
M3.5	4.1	7.0	0.75	1.25	5.40	6.40 7.90 4.60~5.00 2.25
M4	5.6	8.5	0.75	1.50	6.30	7.10 8.70 5.40~5.90 2.50
M5	6.6	10.1	0.90	1.75	7.10	7.90 11.10 6.00~6.50 2.85
M6	7.7	12.3	1.00	2.00	8.60	9.50 12.70 7.70~8.20 3.20
M8	8.3	13.8	1.25	2.50	11.10	14.30 — 10.20~10.60 4.25
M10	10.5	16.1	1.25	2.50	13.50	14.30 — 12.50~13.00 5.10
M12	16.1	—	—	—	16.00	— — 15.00~15.40 5.20

MBH Short /Unit:mm

A Thread size	L Insert lengths	T Head height	HD Head diameter	H ^{+0.05} Rec. hole size	V Hole depth	B ^{+0.1} Counter sink
M2	1.35	0.55	4.90	3.30	1.45	n/a
M2.5	1.85	0.85	5.60	4.15	2.00	n/a
M3	1.85	0.85	6.10	4.66	2.00	n/a
M4	3.00	1.00	7.90	6.13	3.20	0.25
M5	3.00	1.40	10.00	7.70	3.20	0.25
M6	3.00	1.70	12.70	9.55	3.20	0.25
M8	4.55	1.70	14.30	11.55	4.75	0.60
M10	4.55	3.15	16.00	13.05	4.75	0.60

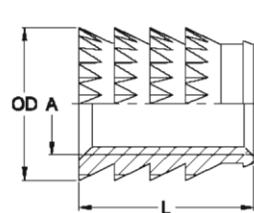
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

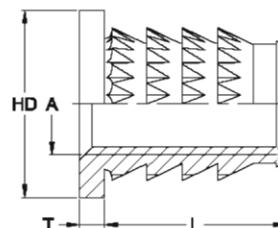
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)+Material+Finish

MB-M2x3.1-OD3.6B Multi-Barb Insert, M2x3.1-OD3.6, Brass C3604

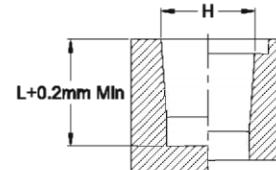
MBH-M2x3.1-HD4.8SS Multi-Barb Insert with head, M2x3.1-HD4.8, Stainless steel SUS303



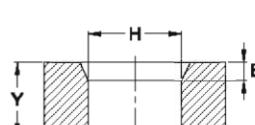
Model: MB



Model: MBH



MB and MBH Long
Thru or Blind Hole,Taper 8°



MBH Short hole
Thru or Blind Hole,Taper <=1°

CL600/601 Bush



特征

- 限压套作用防止把塑胶压裂
- 铝材质，冷压埋植
- 用于热塑性和热固性塑胶

Features

- Internally and externally thread with two slots which provide cutting edges is similar to an automatic tap
- Self-tapping inserts series
- Can be installed with a tap wrench or drill
- Designed for thermoplastics and thermosetting plastics

ISO METRIC /Unit:mm

Nominal bolt size	L					ID Internal diameter	P Pilot end	OD Insert diameter	HD ± 0.12 Head diameter	T Head thickness	H Rec. hole size
	3	4	5	6	8						
M3	3	4	5	—	—	4.05/4.15	5.42/5.58	5.78	7.48	1.00	5.60/5.70
M4	3	4	5	6	—	5.05/5.15	6.95/7.11	7.32	9.08	1.00	7.13/7.23
M5	—	4	5	6	8	6.05/6.15	8.47/8.63	8.82	10.68	1.00	8.64/8.74
M6	—	4	5	6	8	7.05/7.15	10.00/10.16	10.38	12.28	1.25	10.18/10.28
M8	—	4	5	6	8	9.05/9.15	13.36/13.52	13.72	15.48	1.25	13.53/13.63

UNIFIED /Unit:Inch

Nominal bolt size	L					ID diameter	P end	OD diameter	HD $\pm .005$ diameter	T thickness	H Rec. hole size
	.125	.156	.187	.250	—						
4-40	.125	.156	.187	.250	—	.159/.163	.213/.219	.228	.294	.039	.221/.224
6-32	.125	.156	.187	.250	—	.179/.183	.249/.255	.263	.325	.039	.256/.259
8-32	—	.156	.187	.250	.312	.199/.203	.274/.280	.288	.357	.039	.281/.284
10-32	—	.156	.187	.250	.312	.238/.242	.334/.340	.347	.420	.039	.341/.344
1/4-20	—	.156	.187	.250	.312	.277/.281	.394/.400	.409	.483	.049	.401/.404
5/16-18	—	.156	.187	.250	.312	.356/.360	.526/.532	.540	.609	.049	.533/.536

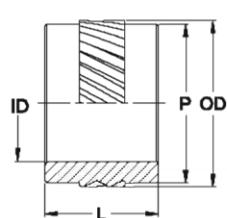
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

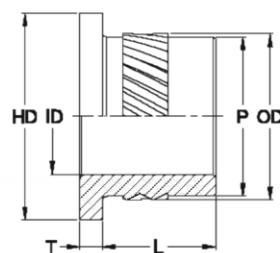
Model Code – A (Nominal bolt size) x L(Insert length) – OD(Insert diameter) or HD(Head diameter) + Material + Finish

CL600-M4x4.0-OD7.32AL CL600 Bush Insert, M4x4.0-OD7.32, Aluminum, Cleaning

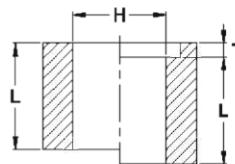
CL601-M4x4.0-HD9.08AL CL601 Bush Insert with head, M4x4.0-HD9.08, Aluminum, Cleaning



Model: CL600



Model: CL601



Blind Hole,Taper<1°

CL800/801 Bush



特征

- ◆ 限压套作用防止把塑胶压裂
- ◆ 黄铜材质，冷压埋植
- ◆ 用于热塑性和热固性塑胶

Features

- ◆ Internally and externally thread with two slots which provide cutting edges is similar to an automatic tap
- ◆ Self-tapping inserts series
- ◆ Can be installed with a tap wrench or drill
- ◆ Designed for thermoplastics and thermosetting plastics

ISO METRIC/Unit:mm

A	L					ID	P	OD	HD ± 0.12	T	H
Nominal bolt size	Insert lengths					Internal diameter	Pilot end	Insert diameter	Head diameter	Head thickness	Rec. hole size
M3	3	4	5	—	—	4.05/4.15	6.03/6.19	6.40	7.88	1.00	6.20/6.30
M4	3	4	5	6	—	5.05/5.15	7.56/7.72	7.92	9.48	1.00	7.74/7.84
M5	—	4	5	6	8	6.05/6.15	9.09/9.25	9.45	10.08	1.00	9.27/9.37
M6	—	4	5	6	8	7.05/7.15	10.92/11.08	11.29	13.48	1.25	11.10/11.20
M8	—	4	5	6	8	9.05/9.15	14.58/14.74	14.96	17.48	1.25	14.76/14.86

UNIFIED/Unit:Inch

A	L					ID	P	OD	HD $\pm .005$	T	H
Nominal bolt size	Insert lengths					Internal diameter	Pilot end	Insert diameter	Head diameter	Head thickness	Rec. hole size
#4	.125	.156	.187	—	—	.159/.163	.238/.244	.252	.310	.039	.245/.248
#6	.125	.156	.187	.250	—	.179/.183	.262/.268	.276	.341	.039	.269/.272
#8	—	.156	.187	.250	.312	.199/.203	.298/.304	.312	.372	.039	.305/.308
#10	—	.156	.187	.250	.312	.238/.242	.358/.364	.372	.435	.039	.365/.368
1/4	—	.156	.187	.250	.312	.277/.281	.430/.436	.445	.529	.049	.437/.440
5/16	—	.156	.187	.250	.312	.356/.360	.574/.580	.589	.685	.049	.581/.584

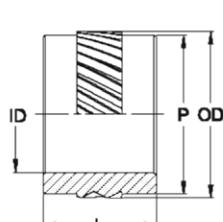
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

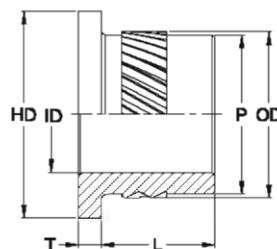
Model Code - A (Nominal bolt size) x L(Insert length) - OD(Insert diameter) or HD(Head diameter) + Material + Finish

CL800-M4x4.0-OD7.92B CL800 Bush Insert, M4x4.0-OD7.92, Brass, Cleaning

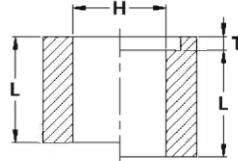
CL801-M4x4.0-HD9.48B CL801 Bush Insert, M4x4.0-HD9.48, Brass, Cleaning



Model: CL800



Model: CL801



Thru or Blind Hole,Taper<1°



Tap-Tek Inserts

特征

- ◆ 自攻埋植
- ◆ 自动对准导向设计，不易歪斜
- ◆ 适用热塑性塑料和热固性塑胶

Features

- ◆ Self-tapping inserts series
- ◆ Self-aligning pilot design
- ◆ Designed for thermoplastics and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	T Head height	HD Head diameter	OD Insert diameter	P Pilot end	H ±0.1 Recess hole size	W Min. wall thickness		
M2	4.00	4.80	—	—	3.50	0.79	3.2	1.25	
M2.5	4.00	5.25	6.25	0.60	6.35	4.33	1.06	4.0	1.55
M3	4.00	5.25	6.25	0.75	7.10	4.73	1.06	4.3	1.65
M3.5	5.00	6.20	7.30	0.75	8.30	5.52	1.15	5.2	2.00
M4	5.60	7.10	8.40	0.75	8.70	6.31	1.27	6.0	2.30
M5	6.40	8.40	10.00	0.90	11.10	7.50	1.41	7.1	2.70
M6	7.90	9.80	12.00	1.00	12.00	8.69	1.59	8.2	3.15
M8	9.50	12.40	—	1.25	14.30	11.06	1.95	10.4	4.00
M10	12.00	16.00	—	1.50	18.00	13.95	1.95	13.3	5.10

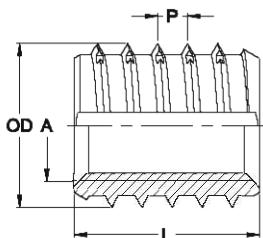
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

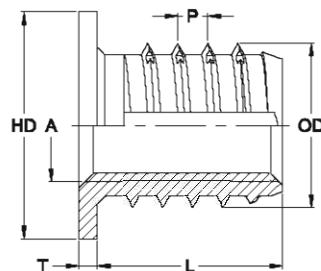
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter) or HD(Head diameter)+Material+Finish

TT-M2x4.8-OD3.5B Tap-Tek Insert, M2x4.8-OD3.5, Brass C3604

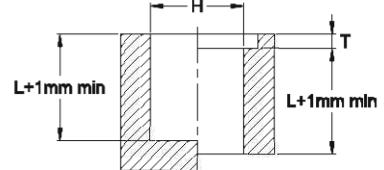
TTH-M3x6.25-HD7.1SS Tap-Tek Insert with head, M3x6.25-HD7.1, Stainless steel SUS303



Model: TT



Model: TTH



Thru or Blind Hole,Taper<1°
M6~Hole Depth: L+1.2Pitch



L384 Inserts

特征

- ◆ 自攻埋植。
- ◆ 安装用丝锥扳手和专用设备。
- ◆ 用于热塑性和热固性塑胶。

Features

- ◆ Self-tapping inserts series.
- ◆ Can be installed with a tap wrench or drill.
- ◆ Design for thermoplastic and thermosetting plastics.

ISO METRIC /Unit:mm

Drawing No. ...01/2...	A Thread size	L Insert lengths	S Stud lengths	T Head height	HD Head diameter	ODMax Insert diameter	H ^{+0.1} Hole diameter thermoplastics	H ^{+0.1} Hole diameter thermosetting
L384...01	M2.5	6.0	5 6 8 10 12 14 16 18 20 25	0.58	6.0	4.5	4.0-4.1	4.1-4.3
L384...02	M3	6.0	5 6 8 10 12 14 16 18 20 25	0.58	6.5	5.0	4.5-4.6	4.6-4.8
L384...03	M3.5	8.0	5 6 8 10 12 14 16 18 20 25	0.73	8.5	6.0	5.3-5.4	5.5-5.7
L384...04	M4	8.0	5 6 8 10 12 14 16 18 20 25	0.89	8.0	6.5	5.8-5.9	6.0-6.2
L384...05	M5	10.0	5 6 8 10 12 14 16 18 20 25	1.06	9.5	8.0	7.1-7.2	7.3-7.6
L384...06	M6	14.0	5 6 8 10 12 14 16 18 20 25	1.32	12.0	10.0	8.6-8.8	9.0-9.4
L384...07	M8	15.0	5 6 8 10 12 14 16 18 20 25	1.32	14.0	12.0	10.6-10.8	11.0-11.4
L384...08	M10	18.0	5 6 8 10 12 14 16 18 20 25	1.57	16.0	14.0	12.6-12.8	13.0-13.4
L384...09	M12	22.0	5 6 8 10 12 14 16 18 20 25	1.57	18.0	16.0	14.6-14.8	15.0-15.4

UNIFIED /Unit:Inch

Drawing No. ...01/2...	A Thread size	L Insert lengths	S Stud lengths	T Head height	HD Head diameter	ODMax Insert diameter	H ^{+0.04} Hole diameter thermoplastics	H ^{+0.1} Hole diameter thermosetting
L384...10	2-56	.236	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.023	.236	.177	.157-.161	.161-.169
L384...11	4-40	.236	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.023	.236	.177	.157-.161	.161-.169
L384...12	6-32	.315	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.029	.295	.236	.209-.213	.217-.224
L384...13	8-32	.315	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.035	.312	.256	.228-.232	.236-.244
L384...14	10-24	.394	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.042	.374	.315	.280-.283	.287-.299
L384...15	10-32	.394	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.042	.374	.315	.280-.283	.287-.299
L384...16	1/4-20	.551	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.052	.472	.394	.339-.346	.354-.370
L384...17	1/4-28	.551	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.052	.472	.394	.339-.346	.354-.370
L384...18	5/16-18	.591	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.052	.551	.472	.417-.425	.433-.449
L384...19	5/16-24	.591	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.052	.551	.472	.417-.425	.433-.449
L384...20	3/8-16	.709	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.062	.630	.551	.496-.504	.512-.528
L384...21	3/8-24	.709	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.062	.630	.551	.496-.504	.512-.528
L384...22	1/2-13	.866	3/16 1/4 5/16 3/8 7/16 1/2 5/8 3/4 7/8 1	.062	.709	.630	.575-.583	.591-.606

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code=A (Thread size) x L (Insert length)-OD(Insert diameter) or HD(Head diameter)-S(Stud lengths)+Material+Finish

L3840-M2.5x6.0-OD4.5B

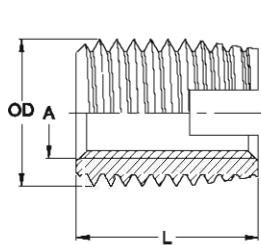
L3840 Insert, M2.5x6.0-OD4.5, Brass C3604

L3841-M2.5x6.0-HD6.0SS

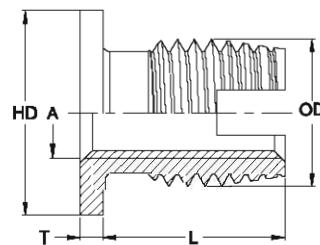
L3841 Insert with head, M2.5x6.0-HD6.0, Stainless steel SUS303

L3842-M2.5x6.0-OD4.5-S5.0SZN

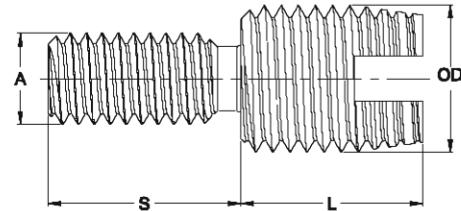
L3842 Insert with 5.0mm Stud, M2.5x6.0-OD4.5, Steel 1215, Zinc-nickel alloy plated



Model: L3840



Model:L3841



Model: L3842

L382 Inserts



特征

- ◆ 自攻埋植,圆孔圆孔和内六角孔设计
- ◆ 安装用丝锥扳手和钻床.
- ◆ 用于热塑性和热固性塑胶.

Features

- ◆ Self-tapping inserts series.
- ◆ Can be installed with a tap wrench or drill.
- ◆ Design for thermoplastic and thermosetting plastics.

ISO METRIC/Unit:mm

Drawing No. steel	Drawing No. brass	A Thread size	L Insert lengths	OD Insert diameter	H ^{+0.1} Rec. hole size	D Min. hole depth	W Min. wall thickness
L382101	L382201	M3	6.0	6.0	4.6 - 5.4	7.0	2.0
L382102	L382202	M4	8.0	7.0	5.6 - 6.6	9.0	3.0
L382103	L382203	M5	10.0	8.0	6.6 - 7.6	11.0	4.0
L382104	L382204	M6	14.0	10.0	8.1 - 9.4	15.0	4.0
L382105	L382205	M8	15.0	12.0	10.1 - 11.4	16.0	5.0
L382106	L382206	M10	18.0	14.0	12.1 - 13.4	19.0	5.0

ISO METRIC/Unit:mm

Drawing No. steel	Drawing No. brass	A Thread size	L Insert lengths	OD Insert diameter	SW Hexagonal socket	D Min. hole depth	W Min. wall thickness
L382301	L382401	M4	8.0	7.0	3.2	9.0	3.0
L382302	L382402	M5	10.0	8.0	4.0	11.0	4.0
L382303	L382403	M6	14.0	10.0	5.0	15.0	4.0
L382304	L382404	M8	15.0	12.0	6.5	16.0	5.0

Recommended mounting holes H for in different materials

A Thread size	PE/PP	PA6/PA6.6 PBT/PE(hard) PET/POM	ASA/SAN	ABS/PA6 GF30%/ PBT GF30%/PET Gr30% PS/PVC(hard)	PA6.6 GF30% PA a.PC+GF30% PPO/PPB GF30%	SMC/ZMC/BMT
M3	4.6	4.8	5.0	5.2	5.4	-
M4	5.6	5.8	6.0	6.2	6.4	6.6
M5	6.6	6.8	7.0	7.2	7.4	7.6
M6	8.1	8.3	8.5	8.7	9.0	9.4
M8	10.1	10.3	10.5	10.7	11.0	11.4
M10	12.1	12.3	12.5	12.7	13.0	13.4

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

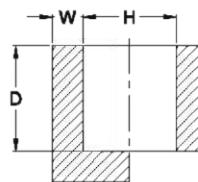
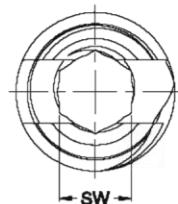
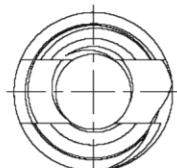
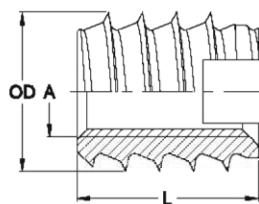
Model code - A (Thread size) x L (Insert length) - OD (Insert diameter) + Material + Finish

L3821-M3x6.0-OD6.0SBZ

L3821 Insert, M3x6.0-OD6.0, Steel 1215, Blue zinc plated

L3824-M4x8.0-OD7.0B

L3824 Insert with inner hexagon, M4x8.0-OD7.0, Brass C3604



Model: L3821/L3822

Model: L3823/L3824

Thru or Blind Hole,Taper<1°

L383 Inserts



特征

- ◆ 自攻埋植，圆孔和内六角孔带法兰盘设计
- ◆ 安装用丝锥扳手和钻床。
- ◆ 用于热塑性和热固性塑胶。

Features

- ◆ Self-tapping inserts series.
- ◆ Can be installed with a tap wrench or drill.
- ◆ Design for thermoplastic and thermosetting plastics.

ISO METRIC/Unit:mm

Drawing No. steel	Drawing No. brass	A Thread size	L Insert lengths steel	L Insert lengths brass	E Insert diameter	T Head height	HD Head diameter	H ^{+0.1} Rec. hole size	W Min. wall thickness
L383101	L383201	M4	9.5	8.0	7.0	1.0	10.0	5.6 - 6.6	3.0
L383102	L383202	M5	11.5	10.0	8.0	1.2	11.0	6.6 - 7.6	4.0
L383103	L383203	M6	16.0	14.0	10.0	1.4	13.0	8.1 - 9.4	4.0
L383104	L383204	M8	17.0	15.0	12.0	1.4	15.0	10.1 - 11.4	5.0

ISO METRIC/Unit:mm

Drawing No. steel	Drawing No. brass	A Thread size	L Insert lengths	OD Insert diameter	T Head height	HD Head diameter	SW Hexagonal socket	W Min. wall thickness
L383301	L383401	M4	8.0	7.0	1.0	10.0	3.2	3.0
L383302	L383402	M5	10.0	8.0	1.2	11.0	4.0	4.0
L383303	L383403	M6	14.0	10.0	1.4	13.0	5.0	4.0
L383304	L383404	M8	15.0	12.0	1.4	15.0	6.5	5.0

Recommended mounting holes H for in different materials

A Thread size	PE/PP	PA6/PA6.6 PBT/PE(hard) PET/POM	ASA/SAN	ABS/PA6 GF30%/ PBT GF30%/PET GF30%	PA6.6 GF30% PA a.PC+GF30% PPO/PPS GF30%	SMC/ZMC/BMT
M4	5.6	5.8	6.0	6.2	6.4	6.6
M5	6.6	6.8	7.0	7.2	7.4	7.6
M6	8.1	8.3	8.5	8.7	9.0	9.4
M8	10.1	10.3	10.5	10.7	11.0	11.4

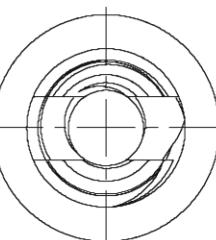
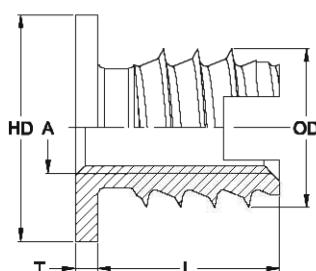
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

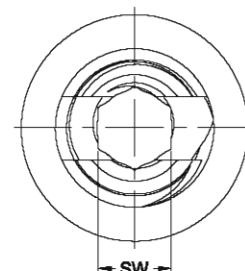
Model code – A (Thread size) x L (Insert length) – HD(Head diameter) + Material + Finish

L3831-M4x9.5-HD10.0SBZ L3831 Insert, M4x9.5-HD10.0, Steel 1215, Blue zinc plated

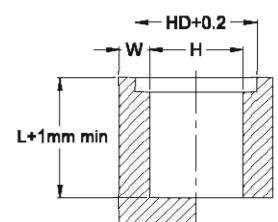
L3834-M4x8.0-HD10.0B L3834 Insert with inner hexagon, M4x8.0-HD10.0, Brass C3604



Model: L3831/L3832



Model: L3833/L3834



Thru or Blind Hole,Taper<1°

STKA/B/C Inserts

特征

- 相同的滚花外径可以降低缩痕的风险，适用于不同长度的注塑埋置生产。

Features

- Uniform knurl diameter reduces the risk of sink marks.
- Available in varying lengths for injection molding assemblies.

ISO METRIC /Unit:mm

A Thread size	L/C								OD Insert diameter	Minor diameter GO./NOGO.	Core pin 0/-0.01
	3	4	6	8	10	12	15	18			
M3×0.5	3	4	6	8	10	12	15	18	4.74	2.515/2.599	2.515
M4×0.7	3	4	6	8	10	12	15	18	6.35	3.340/3.422	3.340
M5×0.8	3	4	6	8	10	12	15	18	7.13	4.200/4.334	4.200

UNIFIED /Unit:Inch

A Thread size	L/C								OD Insert diameter	Minor Thread Size GO./NOGO.	Core pin .0/-0.004
	.125	.187	.250	.312	.375	.500	.625	.750			
2-56	.125	.187	.250	.312	.375	.500	.625	.750	.156	.0710/0.0732	.0710
4-40	.125	.187	.250	.312	.375	.500	.625	.750	.188	.0906/0.0939	.0906
6-32	.125	.187	.250	.312	.375	.500	.625	.750	.219	.1102/0.1140	.1102
8-32	.125	.187	.250	.312	.375	.500	.625	.750	.250	.1339/0.1385	.1339
10-32	.125	.187	.250	.312	.375	.500	.625	.750	.281	.1594/0.1640	.1594
1/4-20	.125	.187	.250	.312	.375	.500	.625	.750	.375	.2040/0.2070	.2040
5/16-18	.125	.187	.250	.312	.375	.500	.625	.750	.437	.2600/0.2645	.2600
3/8-16	.125	.187	.250	.312	.375	.500	.625	.750	.500	.3150/0.3205	.3150

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

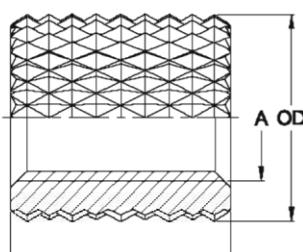
Part number designation

Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

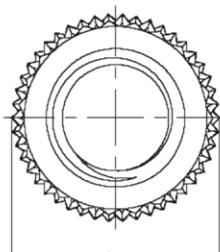
STKB-M3x3.0-OD4.74B STKB Insert, M3x3.0-OD4.74, Brass C3604

STKA-M3x3.0-OD4.74AL STKA Insert, M3x3.0-OD4.74, AL2024-T4

STKC-M3x3.0-OD4.74SS STKC Insert, M3x3.0-OD4.74, Stainless steel SUS303



Model: STKB



Inmold-Tek Inserts

特征

- ◆ 用于注塑成型
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性塑料和热固性塑料



Features

- ◆ Molded-in threaded inserts
- ◆ Blind end prevents plastics from pouring in and limits the location of screws
- ◆ Designed for thermoplastics and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L/C					OD Insert diameter	B End diameter	Minor diameter GO./NOGO.	Core pin 0/-0.01
	Insert lengths/Min. thread lengths								
M2.5	4.78/2.01	6.35/2.87	7.14/3.74	9.53/4.6	10.31/5.47	4.78	4.34	2.058/2.138	2.058
M3	5.21/2.21	7.13/3.21	8.73/4.21	10.31/5.21	11.13/6.21	4.78	4.34	2.515/2.599	2.515
M3.5	6.35/2.62	8.73/3.81	10.31/5.02	11.91/6.22	13.48/7.42	5.56	5.13	2.926/3.010	2.926
M4	6.35/3.08	8.73/4.47	10.31/5.89	11.91/7.29	13.48/8.69	6.35	5.74	3.340/3.422	3.340
M5	7.13/3.49	11.12/5.09	13.48/6.69	11.91/8.29	13.48/9.89	7.14	6.57	4.200/4.334	4.200
M6	8.73/4.37	13.49/6.37	15.87/8.37	18.26/10.57	20.8/12.37	8.74	8.15	5.000/5.153	5.000
M8	11.13/5.72	15.09/7.82	18.24/10.32	20.62/12.82	22.23/15.32	11.13	10.26	6.750/6.912	6.750

UNIFIED /Unit:Inch

A Thread size	L/C					OD Insert diameter	B End diameter	Minor Thread Size GO./NOGO.	Core pin .0/-0.0004
	Insert lengths/Min. thread lengths								
2-56	.156/0.080	.219/0.115	.250/0.150	.312/0.185	.344/0.220	.156	.142	.0710/0.0732	.0710
4-40	.205/0.110	.281/0.160	.344/0.210	.406/0.260	.438/0.310	.188	.171	.0906/0.0939	.0906
6-32	.250/0.135	.344/0.200	.406/0.260	.469/0.325	.531/0.385	.219	.202	.1102/0.1140	.1102
8-32	.250/0.135	.344/0.200	.406/0.200	.469/0.325	.531/0.385	.250	.226	.1339/0.1385	.1339
10-24	.356/0.175	.438/0.260	.531/0.345	.625/0.425	.716/0.510	.281	.259	.1515/0.1560	.1515
10-32	.281/0.135	.438/0.200	.531/0.260	.469/0.325	.531/0.385	.281	.259	.1594/0.1640	.1594
1/4-20	.344/0.200	.531/0.315	.625/0.415	.719/0.515	.819/0.615	.344	.321	.2040/0.2070	.2040
5/16-18	.438/0.235	.594/0.345	.719/0.460	.811/0.570	.949/0.680	.438	.404	.2600/0.2645	.2600
3/8-16	.500/0.265	.688/0.390	.812/0.515	.935/0.640	1.00/0.765	.500	.466	.3150/0.3205	.3150

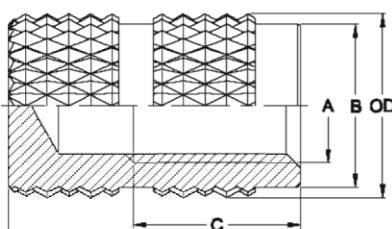
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

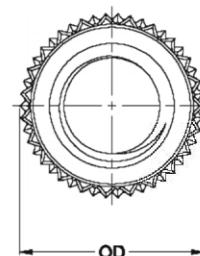
Model Code-A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

IT-M4x6.35-OD6.35B Inmold-Tek Insert, M4x6.35-OD6.35, Brass C3604

IT-M4x6.35-OD6.35SS Inmold-Tek Insert, M4x6.35-OD6.35, Stainless steel SUS303



Model: IT



ITB/C Inserts



特征

- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 允许较薄壁厚
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Molded-in threaded inserts
- ◆ Blind design prevent plastic injecting and limits the position of screws
- ◆ Suitable for thin thickness
- ◆ Designed for thermoplastic and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L ± 0.13 Insert lengths	OD Insert diameter	B ± 0.13 End diameter	S1 Nom.	S2 Nom.	Minor diameter GO./NOGO.	Core pin 0/-0.01
M3 x 0.5	4.77	4.77	4.34	0.78	0.78	2.515/2.599	2.515
M4 x 0.7	6.35	6.35	5.74	1.16	1.57	3.340/3.422	3.340
M5 x 0.8	7.13	7.13	6.57	1.16	1.57	4.200/4.334	4.200
M6 x 1.0	9.53	8.74	8.15	1.57	2.38	5.000/5.140	5.000
M10 x 1.5	14.27	12.7	11.84	2.38	2.38	8.500/8.676	8.500

UNIFIED /Unit:Inch

A Thread size	L $\pm .005$ Insert lengths	OD Insert diameter	B $\pm .005$ End diameter	S1 Nom.	S2 Nom.	Minor diameter GO./NOGO.	Core pin .0/-0.004
.060-80 (#0-80)	.125	.109	.078	.03	.03	.4080/.0514	.4080
.086-56 (#2-56)	.125	.156	.142	.03	.03	.0710/.0732	.0710
.112-40 (#4-40)	.188	.188	.171	.03	.03	.0906/.0939	.0906
.138-32 (#6-32)	.219	.219	.202	.03	.06	.1102/.1140	.1102
.164-32 (#8-32)	.250	.250	.226	.05	.06	.1339/.1385	.1339
.190-24 (#10-24)	.281	.281	.259	.05	.06	.1515/.1560	.1515
.190-32 (#10-32)	.281	.281	.259	.05	.06	.1594/.1640	.1594
.250-20 (1/4-20)	.375	.344	.321	.06	.09	.2040/.2070	.2040
.250-28 (1/4-28)	.375	.344	.321	.06	.09	.2160/.2195	.2160
.313-18 (5/16-18)	.469	.437	.404	.08	.09	.2600/.2645	.2600
.375-16 (3/8-16)	.562	.500	.466	.09	.09	.3150/.3205	.3150

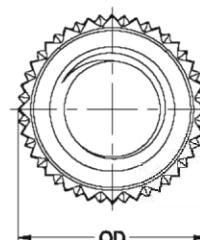
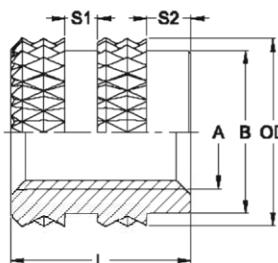
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code=A (Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

ITB-M3x4.77-OD4.77B

ITB Insert, M3x4.77-OD4.77, Brass C3604



Model: ITB

AZ Inserts



特征

- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Molded-in threaded inserts
- ◆ Blind design prevent plastic injecting and limits the position of screws
- ◆ Designed for thermoplastic and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L Insert lengths		S Nom.	B End diameter	SW Insert hexagon	Minor diameter GO./NOGO.	Core pin 0/-0.01
M 3	4.5	6.0	1	4.0	5	2.515/2.599	2.515
M 4	6.0	8.0	1	5.5	6	3.340/3.422	3.340
M 5	7.5	10.0	1	7.0	7	4.200/4.334	4.200
M 6	9.0	12.0	1	8.0	9	5.000/5.140	5.000
M 8	12.0	16.0	1	10.0	11	5.000/5.140	5.000
M 10	15.0	20.0	1	12.5	14	8.500/8.676	8.500

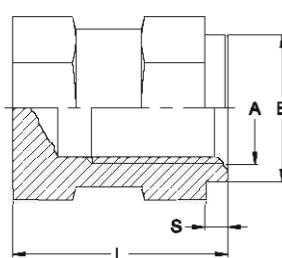
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

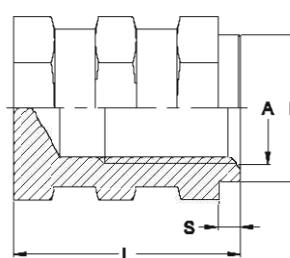
Model Code-A (Thread size) x L(Insert length)-SW(Insert hexagon)+Material+Finish

AZ-M3x4.5-SW5.0B AZ Insert, M3x4.5-SW5.0, Brass C3604

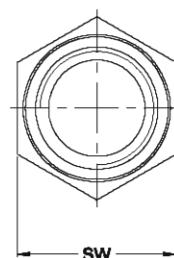
AZL-M3x6.0-SW5.0SS AZL Insert, M3x6.0-SW5.0, Stainless steel SUS303



Model: AZ



Model: AZL



SW

CZ Inserts



特征

- ◆ 注塑埋植, 内孔设计
- ◆ 适用热塑性塑料和热固性塑料

Features

- ◆ Molded-in threaded inserts
- ◆ Designed for thermoplastic and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	S Nom.	B End diameter	SW Insert hexagon	Minor diameter H11
M3	4.5	1.0	4.2	5.0	2.5
M3.5	5.5	1.0	5.0	5.5	2.9
M4	6.0	1.0	5.5	6.0	3.3
M5	7.5	1.0	7.0	7.0	4.2
M6	9.0	1.0	8.0	9.0	5.0
M8	12.0	1.0	10.0	11.0	6.8
M10	15.0	1.0	12.5	14.0	8.5
M12	18.0	1.0	16.0	19.0	10.3

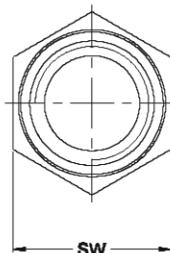
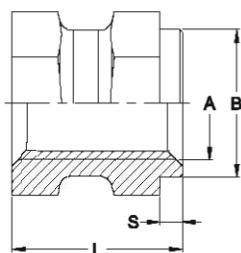
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code-A (Thread size) x L(Insert length)-SW(Insert hexagon)+Material+Finish

CZ-M3x4.5-SW5.0B CZ Insert, M3x4.5-SW5.0, Brass C3604

CZ-M3x4.5-SW5.0SS CZ Insert, M3x4.5-SW5.0, Stainless steel SUS303



Model: CZ

DZ Inserts

特征

- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Molded-in threaded inserts
- ◆ Blind design prevent plastic injecting and limits the position of screws
- ◆ Designed for thermoplastic and thermosetting plastics



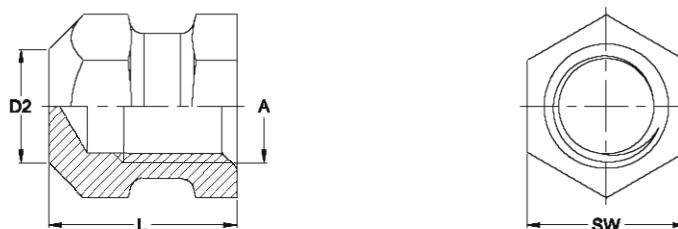
ISO METRIC /Unit:mm

A Thread size	L Insert lengths	SW Insert hexagon	D2 End diameter	Minor diameter H11
M3	5.5	5.0	2.8	2.5
M3.5	6.0	5.5	3.5	2.9
M4	7.0	6.0	4.0	3.3
M5	8.3	7.0	5.0	4.2
M6	9.8	9.0	6.0	5.0
M8	12.6	11.0	7.0	6.8
M10	15.0	14.0	10.0	8.5
M12	17.8	19.0	12.0	10.3

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code=A (Thread size) x L(Insert length)-SW(Insert hexagon)+Material+Finish
 DZ-M3x5.5-SW5.0B DZ Insert, M3x5.5-SW5.0, Brass C3604
 DZ-M3x5.5-SW5.0SS DZ Insert, M3x5.5-SW5.0, Stainless steel SUS303



Model: DZ



HZ Inserts

特征

- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Straight knurl surface
- ◆ Molded-in threaded inserts
- ◆ Blind design to prevent plastic injecting and limits the position of screws
- ◆ Designed for thermoplastic and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	SW Insert hexagon	B End diameter	L Insert lengths HZ	L Insert lengths HZB	Minor diameter GO./NOGO.	Core pin 0/-0.01
M3	4.8	4.4	3.7	6.7	2.515/2.599	2.515
M3.5	6.3	6	5.9	7.9	2.926/3.010	2.296
M4	7.1	6.7	5.9	8.7	3.340/3.422	3.340
M5	8.7	8.3	8.3	10.3	4.200/4.334	4.200
M6	9.5	9.1	9.6	12.3	5.000/5.140	5.000
M8	12.7	12.1	10.8	14.7	5.000/5.140	5.000
M10	15.9	15.2	12.7	17	8.500/8.676	8.500

ISO METRIC /Unit:mm

A Thread size	SW Insert hexagon	B End diameter	L Insert lengths HZ	L Insert lengths HZB	Minor diameter GO./NOGO.	Core pin 0/-0.01
4-40	3/16	.173	.147	.265	.0906/.0939	.0906
6-32	1/4	.235	.234	.312	.1102/.1140	.1102
8-32	9/32	.266	.234	.343	.1339/.1385	.1339
10-24	11/32	.317	.328	.406	.1515/.1560	.1515
10-32	11/32	.317	.328	.406	.1594/.1640	.1594
1/4-20	3/8	.360	.378	.485	.2040/.2070	.2040
5/16-18	1/2	.475	.425	.578	.2600/.2645	.2600
3/8-16	5/8	.610	.500	.671	.3150/.3205	.3150

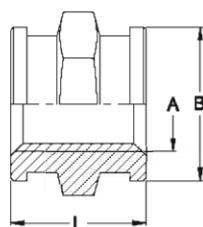
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

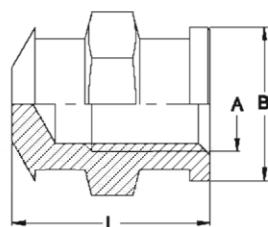
Model Code-A (Thread size) x L(Insert length)-SW(Insert hexagon)+Material+Finish

HZ-M3x3.7-SW4.8B HZ Insert, M3x3.7-SW4.8, Brass C3604

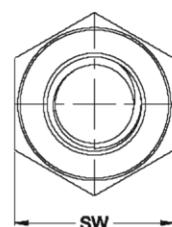
HZB-M3x6.7-SW4.8SS HZB Insert, M3x6.7-SW4.8, Stainless steel SUS303



Model: HZ



Model HZB





ST-Knurl Inserts

特征

- ◆ 直纹滚花提供高扭力,环形槽提供高拉力
- ◆ 结构简单容易制作
- ◆ 通孔,盲孔,外螺纹多个版本

Features

- ◆ Straight knurl and groove provides high tensile and torsional
- ◆ Simple and easy to make for the structure
- ◆ Through hole/thread or blind hole / thread for choosing

ISO METRIC /Unit:mm

A Thread size	OD Insert diameter	B Groove diameter	Minor diameter GO./NOGO.	Core pin 0/-0.01	L Insert lengths												
					2.0	3.0	4.0	5.0	6.0	-	-	-	-	-	-	-	
M2	4.00	3.00	1.610/1.679	1.610	2.0	3.0	4.0	5.0	6.0	-	-	-	-	-	-	-	
M2.5	4.50	3.50	2.058/2.138	2.058	-	3.0	4.0	5.0	6.0	8.0	-	-	-	-	-	-	
M3	5.00	4.00	2.500/2.590	2.500	-	3.0	4.0	5.0	6.0	8.0	10.0	-	-	-	-	-	
M4	6.00	5.00	3.340/3.420	3.340	-	-	4.0	5.0	6.0	8.0	10.0	12.0	-	-	-	-	
M5	8.00	7.00	4.200/4.300	4.200	-	-	-	5.0	6.0	8.0	10.0	12.0	14.0	16.0	-	-	
M6	10.00	9.00	5.050/5.150	5.050	-	-	-	-	6.0	8.0	10.0	12.0	14.0	16.0	18.0	-	
M8	12.00	10.00	6.810/6.912	6.810	-	-	-	-	-	8.0	10.0	12.0	14.0	16.0	18.0	20.0	
M10	15.00	13.00	8.500/8.650	8.500	-	-	-	-	-	-	10.0	12.0	14.0	16.0	18.0	20.0	
M12	18.00	16.00	10.250/10.400	10.250	-	-	-	-	-	-	-	12.0	14.0	16.0	18.0	20.0	
Thread Length C min					-	-	-	-	3.0	4.5	6.0	8.0	10.0	11.0	12.0	14.0	
Groove Length L1					0.6	0.8	1.2	1.2	2.0	2.5	3.0	4.0	4.5	5.0	6.0	6.5	8.0

SKTS Stud lengths/Unit:mm

A Thread size	S Stud lengths									
	5	6	8	10	12	14	16	18	20	25
M2	5	6	8	10	12	14	16	18	20	25
M2.5	5	6	8	10	12	14	16	18	20	25
M3	5	6	8	10	12	14	16	18	20	25
M3.5	5	6	8	10	12	14	16	18	20	25
M4	5	6	8	10	12	14	16	18	20	25
M5	5	6	8	10	12	14	16	18	20	25
M6	5	6	8	10	12	14	16	18	20	25
M8	5	6	8	10	12	14	16	18	20	25
M10	5	6	8	10	12	14	16	18	20	25
M12	5	6	8	10	12	14	16	18	20	25

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

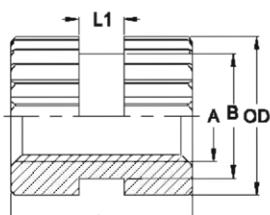
Part number designation

Model Code- A(Thread size) x L(insert length)-OD(insert diameter)- S(Stud length)+Material+Finish

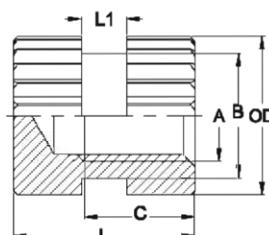
SKT-M2x6.0-OD4.0B SKT Insert, M2x6.0-OD4.0, Through Hole, Brass C3604

SKB-M2x6.0-OD4.0SS SKB Insert, M2x6.0-OD4.0, Blind Hole, SUS303

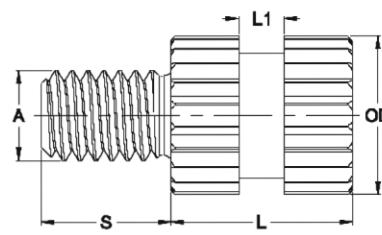
SKTS-M2x6.0-OD4.0-S5.0SBZ SKTS Insert, M2x6.0-OD4.0, Stud length 5.0, Steel 1215, blue zinc plated



Model: SKT



Model: SKB



Model: SKTS



EZ Inserts

特征

- ◆ 表面直滚花
- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Straight knurl surface
- ◆ Molded-in threaded inserts
- ◆ Blind design prevent plastic injecting and limits the position of screws
- ◆ Designed for thermoplastic and thermosetting plastics

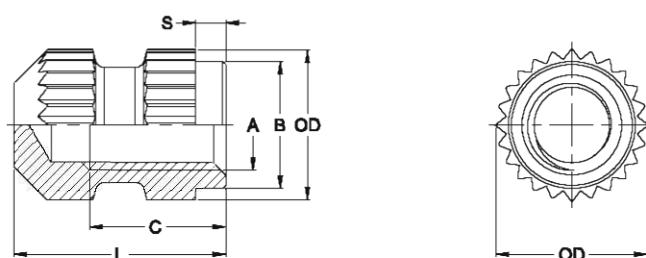
ISO METRIC /Unit:mm

A Thread size	L Insert lengths	OD Insert diameter	B End diameter	C Thread length	S Nom.	Minor diameter H11
M2	5.2	3.5	3.5	3.5	0.8	1.6
M2.5	6.0	3.8	3.8	4.0	0.8	2.05
M3	7.0	4.2	4.2	4.5	1.0	2.5
M3.5	8.0	5.0	5.0	5.5	1.0	2.9
M4	9.0	5.5	5.5	6.0	1.0	3.3
M5	10.8	7.0	7.0	7.5	1.0	4.2
M6	12.8	8.0	8.0	9.0	1.0	5

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code - A(Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish
EZ-M2x5.2-OD3.5B EZ Insert, M2x5.2-OD3.5, Brass C3604



Model: EZ

FZ Inserts

特征

- ◆ 表面直滚花
- ◆ 注塑埋植
- ◆ 盲孔设计防止塑胶灌入和限制螺钉位置
- ◆ 适用热塑性和热固性塑胶

Features

- ◆ Straight knurl surface
- ◆ Molded-in threaded inserts
- ◆ Blind design to prevent plastic injecting and limits the position of screws
- ◆ Designed for thermoplastic and thermosetting plastics

ISO METRIC /Unit:mm

A Thread size	L Insert lengths	HD Head diameter	T Head height	C Thread length	Minor diameter GO./NOGO.	Core pin 0/-0.01
M2	5.2	4.5	0.6	3.5	2.515/2.599	2.515
M2.5	6.0	5.0	0.6	4.0	2.926/3.010	2.296
M3	7.0	5.5	0.8	4.5	3.340/3.422	3.340
M3.5	8.0	6.0	0.8	5.5	4.200/4.334	4.200
M4	9.0	7.0	0.8	6.0	5.000/5.140	5.000
M5	10.5	9.0	1.0	7.5	5.000/5.140	5.000
M6	12.8	10.0	1.2	9.0	8.500/8.676	8.500

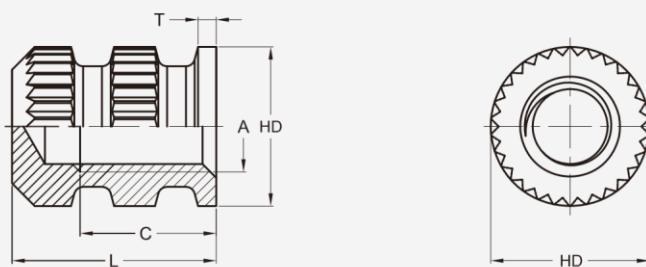
Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code- A(Thread size) x L(Insert length)-HD(Head diameter)+Material+Finish

FZ-M2x5.2-HD4.5B

FZ Insert, M2x5.2-HD4.5, Brass C3604



Model: FZ



FT Inserts

特征

- ◆ 盲孔设计防止塑胶灌入
- ◆ 沉头设计防止塑胶灌入及方便定位销的装配
- ◆ 独特的设计确保高水准的安装
- ◆ 滚花螺纹改善金属碎屑对注塑埋植造成的不良

Features

- ◆ Blind ended—prevents ingress of plastic
- ◆ Counterbore prevents ingress of plastic and eases assembly on locating pins
- ◆ Unique design ensures high levels of performance
- ◆ Rolled Threads reduce the risk of contamination of moldings due to metal swarf

ISO METRIC /Unit:mm

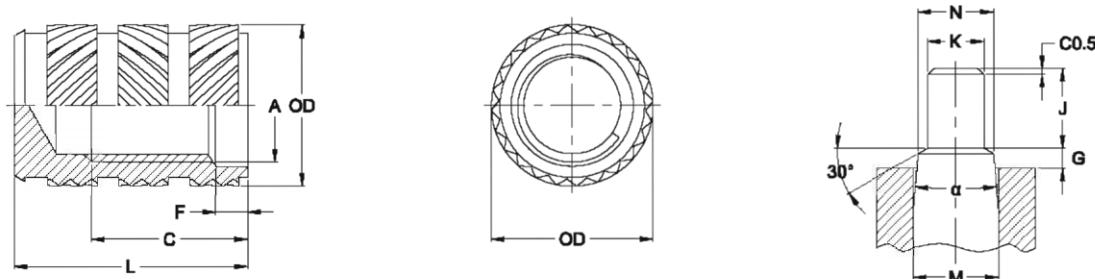
Thread size	A Insert lengths	L Insert diameter	OD	C Min. thread length	F Depth counterbore	G -.020 +.040	K -.025 +.000	J -.100 +.100	N -.0125 +.0125	α Inclusive degrees	M Pin diameter
M2	5.5	3.4	3.6	1.0	0.80	1.55	2.65	2.300	6	3.00	
M2.5	6.4	4.3	4.0	1.2	0.90	2.00	3.00	2.800	5	3.50	
M3	7.3	4.7	4.6	1.3	1.05	2.45	3.40	3.125	4.5	4.00	
M3.5	9.2	5.5	6.0	1.6	1.30	2.85	4.55	3.750	4.5	4.70	
M4	10.2	6.3	6.7	1.8	1.55	3.25	5.00	4.425	4.5	5.40	
M5	11.2	7.3	7.4	2.0	1.70	4.15	5.55	5.125	5	6.00	
M6	14.4	9.8	8.1	2.0	1.80	4.95	6.15	6.600	5.5	8.00	
M8	16.5	11.4	11.1	2.3	2.00	6.70	9.00	8.500	6	10.00	
M10	17.9	13.8	11.9	2.4	2.10	8.40	9.70	10.500	6	12.00	

Standard Material: Brass JIS 3604, Stainless steel or Aluminum can be available for request.

Part number designation

Model Code- A(Thread size) x L(Insert length)-OD(Insert diameter)+Material+Finish

FT-M2x5.5-OD3.4B FT Insert, M2x5.5-OD3.4, Brass C3604



Model: FT

Performance data for ultrasonic / heat staking inserts 超声波/热熔埋植嵌件安装性能数据

QT QTH QTS QTHS Inserts

A Thread size	ABS FA (lbf.)	ABS MR (in.lbf.)	PC FA (lbf.)	PC MR (in.lbf.)
2-56	57	4	112	8
4-40	165	14	185	16
6-32	197	25	295	31
8-32	216	36	365	52
10-24	269	54	380	80
10-32	269	54	380	80
1/4-20	480	103	600	132
1/4-28	480	103	600	132
3/8-16	516	285	620	378

A Thread size	ABS FA (N)	ABS MR (N·m)	PC FA (N)	PC MR (N·m)
M2	255	0.5	578	0.9
M2.5	730	1.6	823	1.8
M3	730	1.6	823	1.8
M3.5	878	3.1	1417	3.8
M4	963	4.1	1710	5.9
M5	1197	5.4	1691	7.7
M6	2130	11.7	2660	14.9

BT BTH BTS BTHS Inserts

A Thread size	ABS FA (N)	ABS MA (N·m)	ABS MR (N·m)	PC FA (N)	PC MA (N·m)	PC MR (N·m)	PA FA (N)	PA MA (N·m)	PA MR (N·m)	PE/PP FA (N)	PE/PP MA (N·m)	PE/PP MR (N·m)
M3	1350	1.2	3.0	1800	1.6	3.5	1700	1.05	2.5	900	1.0	2.7
M4	2100	2.25	5.5	2800	2.2	6.1	2250	2.40	5.6	1550	2.1	5.0
M5	2800	2.9	8.0	3600	4.1	10.5	3000	3.75	9.5	1900	2.5	7.8
M6	3700	7.0	17.0	4900	9.5	20.5	4000	5.50	17.5	2750	5.0	15.5
M8	5500	11.0	33.0	6650	18.0	48.0	5650	12.0	35.0	3950	9.0	29.0

TSS TSL Inserts

A Thread size	L Length	ABS FA (lbf.)	ABS MR (in.lbf.)	PC FA (lbf.)	PC MR (in.lbf.)
0-80	.115	75	3	90	3
	.188	75	3	90	3
2-56	.115	75	3	90	6
	.188	75	3	90	6
4-40	.135	80	4	160	7
	.219	80	4	160	7
6-32	.150	145	15	165	18
	.250	275	15	450	24
8-32	.185	205	18	295	20
	.312	370	19	645	20
0-24	.225	270	45	430	55
	.375	560	60	910	80
0-32	.225	270	45	430	55
	.375	560	60	910	80
1/4-20	.300	374	65	614	85
	.500	680	65	1415	108

A Thread size	L Length	ABS FA (N)	ABS MR (N·m)	PC FA (N)	PC MR (N·m)
M2.5	3.43	334	0.3	400	0.7
	5.56	334	0.3	400	0.7
M3	3.43 3.81	356	0.5	712	0.8
	5.56 6.35	356	0.5	712	0.8
M3.5	3.81	645	1.7	734	2
	6.35	1223	1.7	2002	2.7
M4	4.70	912	2	1312	2.3
	7.92	1646	2.1	2869	2.3
M5	5.72 6.71	1201	5.1	1913	6.2
	9.53 11.10	2491	6.8	4048	9
M6	7.62	1664	7.3	2731	9.6
	12.70	3025	7.3	6294	12.2

1lbf=4.44822N 1N=0.10197Kgf 1in.lbf=0.11299N.m 1Nm=0.10197Kgf.m=10.19716Kgf.cm

装配孔的直径，测试产品的材料及装配过程的变化均会影响测试数据，测试数据仅供参考。

Variations in mounting hole size, workpiece material and installation procedure will affect this data, the test data is only for reference.



Pull-out strength [FA(N)]



Torque with thrust bearing
有推力轴向扭距 [MR(N·m)]



Torque without thrust bearing
无推力轴向扭距 [MA(N·m)]

Performance data for press-in inserts 冷压埋植嵌件安装性能数据

BL Inserts

A Thread size	ABS		PC	
	FA (lbf.)	MR (in.lbf.)	FA (lbf.)	MR (in.lbf.)
4-40	125	4	280	16
6-32	125	4	280	16
8-32	135	10	380	42
0-32	135	10	380	42
1/4-20	235	28	-	-

A Thread size	ABS		PC	
	FA (N)	MR (N·m)	FA (N)	MR (N·m)
M3	556	0.45	1245	1.8
M4	600	1.13	1690	4.74
M5	600	1.13	1690	4.74
M6	1045	3.16	-	-

EL Inserts

A Thread size	L Length	Phenolic		PC	
		FA (lbf.)	MR (in.lbf.)	FA (lbf.)	MR (in.lbf.)
2-56	3.96	60	12.8	52	7.2
4-40	4.77	81	20.8	74	15.3
6-32	6.35	193	38.6	170	25.2
8-32	6.35	104	29.2	94	23.4
10-32	7.95	221	49.6	198	35.6
10-32	6.35	126	36.8	116	31.6
10-32	7.95	249	59.8	224	45.6
10-32	7.95	147	45.0	138	39.6
10-32	9.52	276	69.6	253	55.6
1/4-20	11.12	192	61.6	182	56.0
1/4-20	12.7	334	91.2	308	76.6

A Thread size	L Length	Phenolic		PC	
		FA (N)	MR (N·m)	FA (N)	MR (N·m)
M3	4.77	360	2.35	330	1.73
M3	6.35	860	4.36	760	2.85
M4	6.35	560	4.16	520	3.57
M4	7.95	1110	6.76	1000	5.15
M5	7.95	650	5.09	610	4.47
M5	9.52	1230	7.86	1130	6.28
M6	11.12	850	6.96	810	6.33
M6	12.7	1490	10.31	1370	8.66

ELH1 Inserts

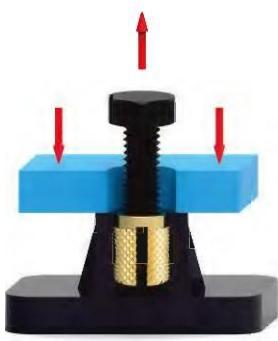
A Thread size	L Length	Phenolic		PC	
		FA (lbf.)	MR (in.lbf.)	FA (lbf.)	MR (in.lbf.)
2-56	3.45	28	8.0	17	8.0
4-40	4.22	40	14.7	28	14.7
4-40	5.80	64	14.7	44	14.7
6-32	5.64	53	22.0	41	22.0
6-32	6.43	77	22.0	56	22.0
8-32	6.25	64	28.8	53	28.8
8-32	7.06	72	28.8	68	28.8
10-32	6.86	76	35.6	65	35.6
10-32	8.43	100	35.6	80	35.6
10-32	9.86	100	49.8	89	49.8
1/4-20	11.43	125	49.8	104	49.8

A Thread size	L Length	Phenolic		PC	
		FA (N)	MR (N·m)	FA (N)	MR (N·m)
M3	4.22	180	1.66	130	1.66
M3	5.80	280	1.66	200	1.88
M4	6.25	280	3.25	240	3.25
M4	7.06	320	3.25	300	3.25
M5	6.86	340	4.02	290	4.02
M5	8.43	450	4.02	360	4.02
M6	9.86	450	5.63	400	5.63
M6	11.43	560	5.63	460	5.63

1lbf=4.4822N 1N=0.10197Kgf 1in.lbf=0.11299N.m 1Nm=0.10197Kgf.m=10.19716Kgf.cm

装配孔的直径，测试产品的材料及装配过程的变化均会影响测试数据，测试数据仅供参考。

Variations in mounting hole size, workpiece material and installation procedure will affect this data, the test data is only for reference.



Pull-out strength
拔出力度 [FA(N)]



Torque with thrust bearing
有推力轴向扭矩 [MR(N·m)]



Torque without thrust bearing
无推力轴向扭矩 [MA(N·m)]

Performance Data For Self-tapping Inserts 自攻埋植嵌件安装性能数据

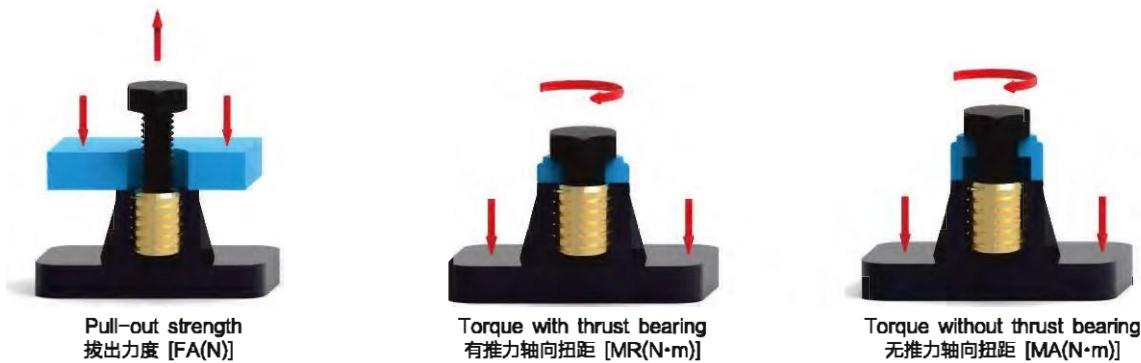
L3822 Inserts

A Thread size	ABS FA (N)	ABS MA (N·M)	ABS MR (N·M)	PC FA (N)	PC MA (N·M)	PC MR (N·M)	PA FA (N)	PA MA (N·M)	PA MR (N·M)	PE/PP FA (N)	PE/PP MA (N·M)	PE/PP MR (N·M)
M3	2430	1.3	3.3	3240	1.8	3.9	3060	1.2	2.8	1620	1.1	3
M4	3780	2.5	6.1	5040	2.4	6.7	4050	2.6	6.2	2790	2.3	5.5
M5	5040	3.2	8.8	6840	4.5	11.6	5400	4.1	10.5	3420	2.8	8.6
M6	6660	7.7	18.7	8820	10.5	22.6	7200	6.1	19.3	4950	5.5	17.1
M8	9900	12.1	36.3	11970	19.8	52.8	10170	13.2	38.5	7110	9.9	31.9

1lbf=4.44822N 1N=0.10197Kgf 1in.lbf=0.11299N.m 1Nm=0.10197Kgf.m=10.19716Kgf.cm

装配孔的直径，测试产品的材料及装配过程的变化均会影响测试数据，测试数据仅供参考。

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Performance data for molded-in inserts 注塑埋植嵌件安装性能数据

IT Inserts

Thread size	A	L	ABS FA (lbf.)	ABS MR (in.lbs.)	PC FA (lbf.)	PC mr (in.lbf.)
2-56	.156	139	5.4	157	5.7	
	.219	140	5.5	158	5.8	
	.250	142	5.6	159	5.85	
	.312	143	5.7	160	5.9	
	.344	145	5.8	161	6	
	.205	239	5.6	249	6.4	
4-40	.281	240	5.7	253	6.5	
	.344	242	5.8	258	6.55	
	.406	243	5.9	262	6.6	
	.438	245	6	267	6.7	
	.250	413	7.9	434	8.6	
	.344	415	8	440	8.7	
6-32	.406	418	8.1	446	8.75	
	.469	420	8.2	452	8.8	
	.531	423	8.3	458	8.9	
	.250	519	13.7	534	15.2	
	.344	521	14.1	536	15.4	
	.406	524	14.6	538	15.6	
8-32	.469	526	15	540	15.8	
	.531	529	15.5	542	16	
	.281	622	51	637	55	
	.438	624	52	640	56	
	.531	627	53	643	56.5	
	.469	629	54	646	57	
10-32	.531	632	55	649	58	
	.531	895	103	912	107	
	1/4-20					

Thread size	A	L	ABS FA (N)	ABS MR (N·m)	PC FA (N)	PC MR (N·m)
M2.5	4.78	1050	0.63	1100	0.73	
	6.35	1060	0.64	1120	0.73	
	7.14	1070	0.65	1140	0.74	
	9.53	1080	0.66	1160	0.74	
	10.31	1090	0.67	1180	0.75	
	5.21	1050	0.63	1100	0.73	
M3	7.13	1060	0.64	1120	0.73	
	8.73	1070	0.65	1140	0.74	
	10.31	1080	0.66	1160	0.74	
	11.13	1090	0.67	1180	0.75	
M4	6.35	2300	1.54	2370	1.72	
	8.73	2310	1.59	2380	1.74	
	10.31	2320	1.64	2390	1.77	
	11.91	2330	1.69	2400	1.79	
	13.48	2340	1.74	2410	1.82	
	7.13	2760	5.80	2825	6.26	
M5	11.12	2770	5.87	2840	6.32	
	13.48	2780	5.94	2855	6.38	
	11.91	2790	6.10	2870	6.44	
	13.48	2800	6.17	2885	6.70	
M6	13.49	3980	11.6	4050	12.0	

ITB Inserts

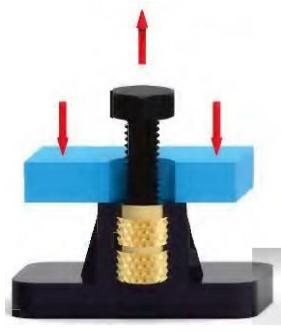
Thread size	A	ABS Pullout (lbs.)	ABS Torque-out (in.lbs.)	PC Pullout (lbs.)	PC Torque-out (in.lbs.)
0-80	96	5.2	106	5.5	
2-56	96	5.2	106	5.5	
4-40	166	5.5	173	6.2	
6-32	290	7.5	302	8.5	
8-32	368	13.6	372	14.7	
10-32	432	50	445	52	
1/4-20	620	70	635	98	
1/4-28	620	70	635	98	

Thread size	A	ABS Pullout (N)	ABS Torque-out (N·m)	PC Pullout (N)	PC Torque-out (N·m)
M3	730	0.62	760	0.7	
M4	1630	1.53	1650	1.66	
M5	1920	5.65	1970	5.87	
M6	2750	7.91	2820	11	

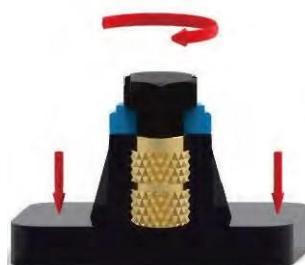
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装配孔的直径，测试产品的材料及装配过程的变化均会影响测试数据，测试数据仅供参考。

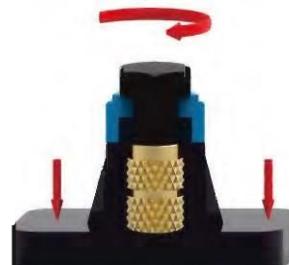
Variations in mounting hole size, workpiece material and installation procedure will affect this data, the test data is only for reference.



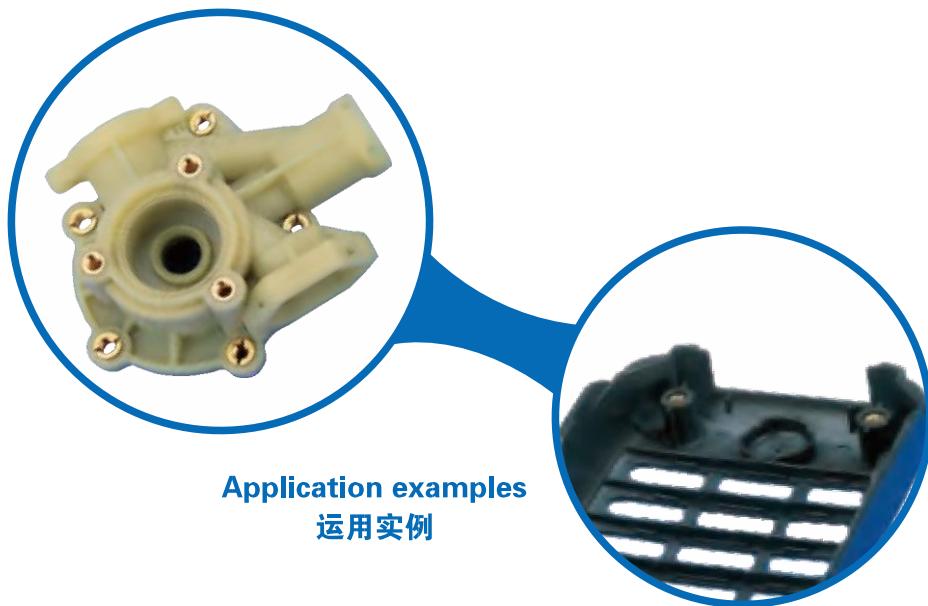
Pull-out strength
拔出力度 [FA(N)]



Torque with thrust bearing
有推力轴向扭矩 [MR(N·m)]



Torque without thrust bearing
无推力轴向扭矩 [MA(N·m)]



Application examples
运用实例

**According to customer demands,
we can do non-standard customization**
根据客户需求，进行非标定制

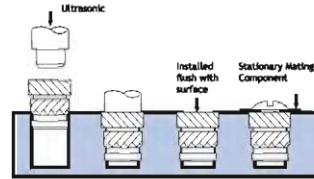


Installation instruction

Ultrasonic threaded inserts /超声波埋植

超声波的方法仅限于热塑性塑料，特别适合于具有广泛软化温度范围的非晶态聚合物。安装方法非常有效—但较为复杂的嵌件装配方法。这一技术的有效应用需要由专业人员来确保质量的一致性。变量包括幅度、下降速度、压力和焊接时间。

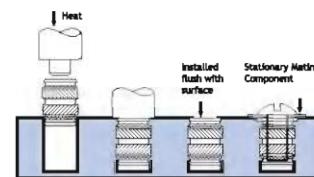
The method of ultrasonic is limited to the thermal plastic, especially for the non crystalline polymer with a wide range of softening temperature. The installation method is very effective, but the more complex, the assembly method of the assembly. The effective application of this technology needs to be made by professionals to ensure the consistency of quality. Variables is including amplitude, fall speed, pressure and welding time.



Heat staking threaded inserts /热熔埋植

热熔安装是将嵌件装配到热塑性塑料中的一种极为通用的方法，只是温度和压力有所不同。操作需格外小心，确保受热的嵌件使塑料软化而不是熔化。这可以避免塑料溢出，并使嵌件在塑料重新凝固时保持在安装位置。

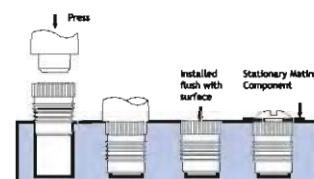
Heat staking installation is a very common method of assembling the embedded parts into thermoplastic, but it is different from temperature and pressure. Operation should be extra careful, to ensure that the heating of the block so that the plastic softening rather than melting. This can avoid plastic overflow, and the plastic insert in re solidification remains in installation position.



Press-in threaded inserts /冷压埋植

这是最简单的安装方法，将嵌件的导入部分安装入孔，并使用锤子或手压机将其压入。凹入的孔可以使用加长带引导的冲压工具。在大量应用中，可使用自动嵌件装配机将嵌件送入安装位置，并固定入位。

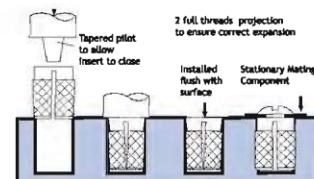
This is the most simple installation method, the import part of the insert is installed into the hole, and the use of a hammer or hand press. A concave hole can be used with extended stamping tools guide. In a large number of applications, the use of automatic block assembly machine will be embedded into the installation position, and fixed into place



Press-in threaded inserts (Expansion) /冷压埋植（膨胀型）

当嵌件被压入孔内时，插槽可以让嵌件压缩入位。插入压力较低，且很容易使用适合于压入型嵌件的方法将其压入安装位置。一旦安装到位，装配螺钉便使嵌件膨胀。螺钉应从嵌件底部露出至少两圈螺纹，以保证充分膨胀。

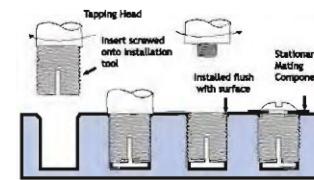
When the insert is pressed into the hole, the slot can be made into a compression member. The insertion pressure is low, and it is easy to use a method suitable for pressing into the type of embedded parts. Once be installed, the assembly screws can cause the insert to expand. The screws should be exposed to at least two laps from the bottom of the insert to ensure full expansion.



Self-tapping inserts/自攻埋植

由于嵌件由其内部螺纹驱动，不同的嵌件尺寸需要不同的驱动压杆；重要的是，无论是使用什么工具，都要确保固定，以保证嵌件能以轴向笔直插入孔内。

Due to insert by the internal thread driving, different block size need different driving pressure bar, is the is, no matter what tools to use, to ensure that the fixed, in order to ensure the embedded parts in axial straight into the hole.



Other Products/其他类产品

塑胶专用螺母 Thread Inserts for Plastic Parts



螺套系列 Threaded Inserts



面板紧固件 Fasteners for sheet Metal



PCB端子 PCB Terminals



球头柱塞系列 Plungers



拉铆螺母和铆焊钉 Rivet nuts/Rivets/Welding Fasteners



车、铣、冲压类 CNC Machining milling Stamping

