

ADVANTAGES

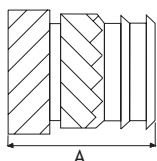
- Increased productivity
- Improved quality
- Ensures positional accuracy
- High torque and pull out
- Avoids flash on non-countersunk holes

特点

- 提高生产效率。
- 提高品质。
- 优越於自行定位之功能。
- 高扭力与拉力之功能。
- 埋植过程不易产生溢胶。

SELECTION OF INSERT

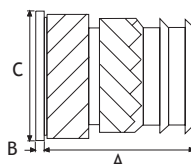
INSERTS



PRODUCT CODE [6030]

型號

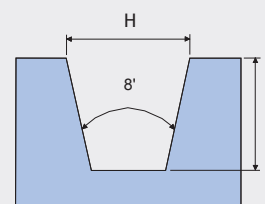
HEADED INSERTS



PRODUCT CODE [6030H]

型號

HOLE CONFIGURATION



METRIC (公制)

Unit: Millimetres

Product Code 型	Thread Size 螺牙	Insert Length A 標準長度	Insert Ø B 外徑	Pilot End Ø C 圓頭	Rec.Hole Size		Min. Wall Thickness 最少肉厚
					H -0.00 +0.10 孔直徑	L Min	
6030-B	M2	5.0	0.6	5.0	3.8	6.0	1.5
	M3	5.5	0.6	6.0	4.4	6.5	1.8
	M3.5	6.0	0.8	7.0	5.2	7.0	1.8
	M4	7.5	0.8	8.0	5.8	8.5	2.0
	M5	9.0	1.0	8.5	7.0	10.0	2.0
	M6	10.0	1.0	10.0	8.5	11.0	2.5
	M8	12.0	1.0	12.0	10.9	13.0	3.0

Other lengths possible on quotation. 其它长度也可估价。

STANDARD MATERIAL: BRASS (B) 标准材质: 黄铜 (B)
Other materials possible on quotation 其它长度也可估价。

SPECIFYING AN INSERT / 产品描述

INSERTS (METRIC)					
	6030	—	B	—	M3
	PRODUCT CODE		MATERIAL		THREAD SIZE
	型號		材質		螺牙
	6030H	—	B	—	M3
HEADED INSERTS (METRIC)					

BOSS DESIGN SPECIFICATION

HOLE PREPARATION

Moulded holes are recommended wherever possible. The taper on the hole should be 8° inclusive and the hole diameter recommended applies at the top of the hole.

Where possible, chamfers and counterbores at the top of the hole should be avoided. If the existing design incorporates one of these features please contact the P.S.M Technology Centre or your local Sales Office for application advice.

INSTALLATION

The fastener may be installed using either a preheating process or using heat generated by ultrasonic vibrations.

Where the preheating process is used, care must be exercised to ensure that the fastener softens but does not melt the plastic.

Ultrasonic installation is best carried out using low amplitude vibrations and the minimum power consistent with satisfactory softening of the plastic material.

WALL THICKNESS

A general guide to minimum wall thickness is given in the data table but this will vary depending upon the nature of the plastic. Where thinner walls are required, these can often be accommodated, but consultation with the P.S.M Technology Centre or your local Sales Office and pre-production testing is strongly advised.

PERFORMANCE DATA

The complexity of materials and variations in service conditions make it impossible to detail fastener performance. Please consult with the P.S.M Technology Centre or your local Sales Office for specific application advice.

塑胶孔径之设计

1. 螺母规格之塑胶孔径建议值，请参考规格表。
2. 塑胶孔径内之脱模斜度应为 8 度。
3. 塑胶内孔上方，可不必设计导角。

裝置

1. 适用于热熔或超音波埋入。
2. 热熔温度不可超过塑胶材质之熔点，应低於熔点 10-20 度。
3. 使用热熔及超音波埋入螺母时，所设定之压力、时间、速度，需视所使用之螺母规格及塑胶材料种类来调整理想值。

塑胶孔肉厚

1. 建议肉厚，请参考规格表。
2. 肉厚可视不同塑胶材质，而略作调整，但请先与 P.S.M 技术人员联系，必要时我们将协助测试及作最适当之建议。

测试数据

1. P.S.M 使用各种精密之测试仪器，针对常用之塑胶材料作出各类型螺母可承受之扭力，拉力的测试数据请接洽 P.S.M。
2. P.S.M 为服务客户，非常欢迎客户委托代作测试，我们将提供完整及详尽之测试报告及必要之建议。

ADVANTAGES

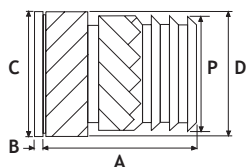
- High Pull Out and Torque Performance
- Capable of providing "bolt break performance"
- Especially recommended for high fill plastics
- Reduced installation depth
- Tolerant of variations from moulding process
- High installation speeds
- Greatly reduced scrapage rate
- Higher productivity
- Provides high process capability

特点

- 高扭力与拉力之功能。
- 适用于高纤塑胶材质。
- 适用于较短的洞孔。
- 可容纳更大的洞孔之公差。
- 快速埋植。
- 减少不良率。
- 提高产能。

SELECTION OF INSERT

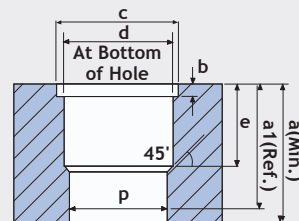
INSERTS



PRODUCT CODE [HT]

型號

HOLE CONFIGURATION



Moulding Taper
1° Inclusive

ISO METRIC (公制)

Unit: Millimetres

Product Code	Thread Size	Insert Length A	Head Height A	Head Diameter A	Insert Ø D	Pilot End Ø P	Rec.Hole Size -0.00 +0.10							Min. Wall Thickness
型	螺牙	標準長度	頭厚	頭外徑	外徑	圓頭	a	a1	b	c	d	e	p	最少肉厚
HT-B	M4	9.6	0.5	9.0	9.0	8.2	11.0	9.6	0.9	10.0	8.3	6.5	7.4	3.5
	M5	11.0	0.5	10.5	10.5	9.7	12.0	11.0	0.9	11.4	9.9	6.5	8.6	4.5
	M6	11.0	0.5	12.0	12.0	11.2	12.0	11.0	0.9	13.0	11.3	6.5	10.4	6.0
	M8	11.0	0.5	13.7	13.7	12.9	12.0	11.0	0.9	14.0	13.0	6.5	12.1	8.0
	M10	11.0	0.5	15.2	15.2	14.5	12.0	11.0	0.9	16.0	14.6	6.5	13.7	10.0

Other lengths possible on quotation. 其它长度也可估价。

STANDARD MATERIAL: BRASS (B) 标准材质: 黄铜 (B)
Other materials possible on quotation 其它长度也可估价。