

INSERTS FOR PLASTICS

塑膠專用螺母

Wherever you are...

we have the solution!

ADVANTAGES

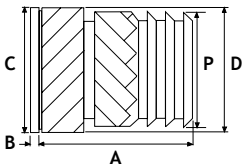
- High Pull Out and Torque Performance
- Capable of providing "bolt break performance"
- Especially recommended for high fill plastics
- Reduced installation depth
- Tolerant of variations from moulding process
- High installation speeds
- Greatly reduced scrappage rate
- Higher productivity
- Provides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

特點

- 高扭力與拉力之功能。
- 適用於高纖塑膠材質。
- 適用於較短的洞孔。
- 可容納更大的洞孔之公差。
- 快速埋植。
- 減少不良率。
- 提高產能。

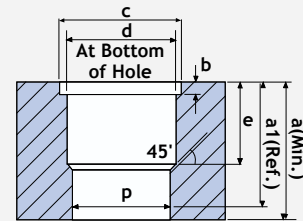
SELECTION OF INSERT

INSERTS



PRODUCT CODE [HT]
型號

HOLE CONFIGURATION



Moulding Taper
1' Inclusive

ISO METRIC (公制)


Unit: Millimetres

Product Code 型	Thread Size 螺牙	Insert Length A 標準長度	Head Height A 頭厚	Head Diameter A 頭外徑	Insert D 外徑	Pilot End P 圓頭	Rec. Hole Size -0.00 + 0.10						Min. Wall Thickness 最少肉厚	
							a	a1	b	c 孔直徑	d	e		p
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. 其它長度也可估價。

STANDARD MATERIAL: BRASS (B) 標準材質: 黃銅 (B)
Other materials possible on quotation 其它長度也可估價。

SPECIFYING AN INSERT

INSERTS (METRIC)				
	HT	-	B	M4
	PRODUCT CODE		MATERIAL	THREAD SIZE
	型號		材質	螺牙

BOSS DESIGN SPECIFICATION

HOLE PREPARATION

The special Hi-Tork hole form is specifically designed for moulding. Dimensions for the hole are detailed in diagram and table overleaf.

INSTALLATION

The fastener may be installed using either a pre-heating process or using heat generated by ultrasonics.

Where pre-heating process is used, care must be exercised to ensure that the fastener softens but does not melt the plastics.

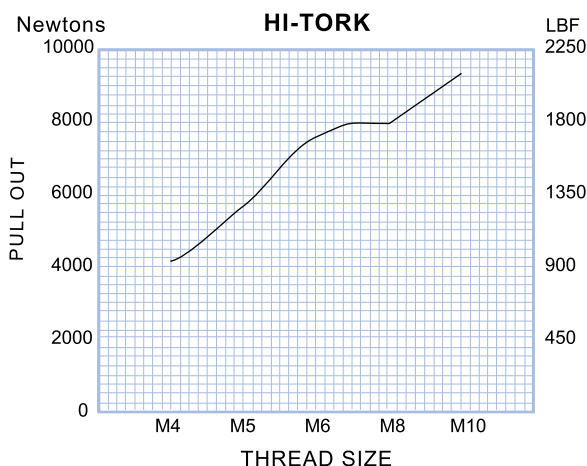
P.S.M offers a wide range of pre-heating installation equipment which ensures high levels of process capability and throughput.

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 production testing is strongly advise.

PERFORMANCE DATA

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



塑膠孔徑之設計

1. 螺母規格之塑膠孔徑建議值，請參考規格表。

裝置

1. 可使用熱熔；超音波或射出成型中埋入。
2. 熱熔溫度不可超過塑膠材質之熔點，應低於熔點 10-20 度。
3. 使用熱熔及超音波埋入螺母時，所設定之壓力、時間、速度，需視所使用之螺母規格及塑膠材料種類來調整理想值。

塑膠孔肉厚

1. 建議肉厚，請參考規格表。
2. 肉厚可視不同塑膠材質，而略作調整，但請先與 P.S.M 技術人員聯系，必要時我們將協助測試及作最適當之建議。

測試數據

1. P.S.M 使用各種精密之測試儀器，針對常用之塑膠材料作出各類型螺母可承受之扭力，拉力的測試請參考以下的數據。
2. P.S.M 為服務客戶，非常歡迎客戶委托代作測試，我們將提供完整及詳盡之測試報告及必要之建議。

