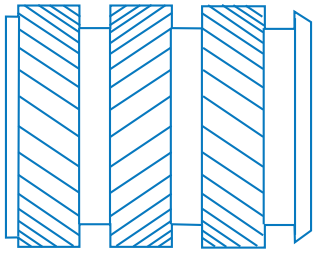
PSM International
GLOBAL FASTENING SOLUTIONS

FLO - TECH®
INSERTS



A blind-ended threaded insert which has been introduced to meet the needs of those molders who, for a variety of reasons, prefer to mold in. The unique design of three opposed helical knurl bands combined with the included recesses give extremely high levels of performance in both pull-out and torque tests.

ADVANTAGES

- 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 RISK OF CONTAMINATION OF MOLDINGS DUE TO METAL SWARF
- ABSENCE OF PIP AT BLIND END REDUCES RISK OF CONTAMINATION AND ASSISTS AUTOMATIC INSERT LOADERS

DESIGN GUIDE

Flo-Tech inserts can be installed after molding in some applications- please contact PSM for further advice.

Mold pin design is critical to the success of the molding-in operation since the features shown are used to locate and retain the insert prior to molding and prevent the ingress of plastic during the process.

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UNI-BIS
industry solutions

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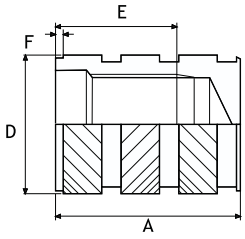
TECHNICAL DATA

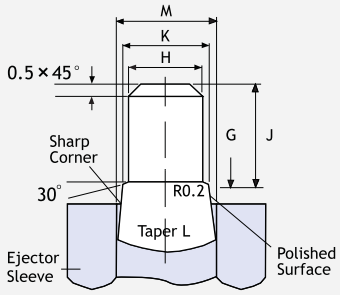
STANDARD MATERIAL: BRASS (B)
Other materials possible on quotation

INSERTS



PRODUCT CODE [FTC]

LOCATING PIN



DIMENSIONS

ISO METRIC

Unit: Millimetres

Thread Size	Insert Length A	Insert ø D	Min E	Counterbore Depth F	G -.020 +.040	H -.025 +.000	J -.100 +.100	K -.0125 +.0125	L Inclusive degress	M
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

Other lengths possible on quotation

HOW TO SPECIFY

	FTC
PRODUCT CODE	FTC-B-M3
MATERIAL CODE	FTC-B-M3
THREAD SIZE	FTC-B-M3

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