



HEAD MARKINGS DEPRESSED .010 INCH (0,254 mm MAX.) (POSITION OPTIONAL)
 DRIVE-NUT NOT SHOWN FOR CLARITY OF HEAD MARKINGS.

TABLE I

| PART NUMBER | A | | B MIN. | | D DIA. | | E DIA. MAX. | | F WRENCH FLATS | | G REF. | | H | | L REF. | | R RAD. MAX. | | T ACROSS HEX. REF. | |
|---------------|--------------|----------------|--------|-------|----------------|----------------|-------------|-------|----------------|--------------|--------|------|--------------|----------------|--------|--------|-------------|------|--------------------|-------|
| | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm | INCH | mm |
| MBF3009-5-() | .250 .244 | 6,35 6,20 | .272 | 6,91 | .1645 .1625 | 4,178 4,128 | .1640 | 4,166 | .085 .080 | 2,16 2,03 | .058 | 1,47 | .076 .069 | 1,930 1,753 | .625 | 15,875 | .030 | 0,76 | .375 | 9,52 |
| MBF3009-6-() | .312 .305 | 7,92 7,75 | .340 | 8,64 | .1985 .1965 | 5,042 4,991 | .1985 | 5,042 | .113 .108 | 2,87 2,74 | .058 | 1,47 | .080 .073 | 2,032 1,854 | .675 | 17,145 | .030 | 0,76 | .375 | 9,52 |
| MBF3009-7-() | .343 .336 | 8,71 8,53 | .375 | 9,52 | .2275 .2255 | 5,778 5,728 | .2275 | 5,778 | .121 .116 | 3,07 2,95 | .058 | 1,47 | .080 .073 | 2,032 1,854 | .862 | 21,894 | .030 | 0,76 | .375 | 9,52 |
| MBF3009-8-() | .375 .367 | 9,52 9,32 | .409 | 10,39 | .2595 .2575 | 6,591 6,541 | .2595 | 6,591 | .135 .130 | 3,43 3,30 | .058 | 1,47 | .090 .083 | 2,286 2,108 | .900 | 22,860 | .030 | 0,76 | .375 | 9,52 |
| MBF3009-9-() | .406 .398 | 10,31 10,11 | .444 | 11,28 | .2895 .2875 | 7,353 7,303 | .2895 | 7,353 | .152 .147 | 3,86 3,73 | .068 | 1,73 | .090 .083 | 2,286 2,108 | .930 | 23,622 | .030 | 0,76 | .500 | 12,70 |
| MBF3009-10-() | .437 .429 | 11,10 11,10 | .479 | 12,17 | .3115 .3095 | 7,912 7,861 | .3110 | 7,899 | .152 .147 | 3,86 3,73 | .073 | 1,85 | .112 .105 | 2,845 2,667 | .912 | 23,164 | .040 | 1,02 | .500 | 12,70 |
| MBF3009-11-() | .468 .460 | 11,89 11,68 | .513 | 13,03 | .3435 .3415 | 8,725 8,674 | .3433 | 8,720 | .185 .180 | 4,70 4,57 | .078 | 1,98 | .112 .105 | 2,845 2,667 | 1.000 | 25,400 | .040 | 1,02 | .500 | 12,70 |
| MBF3009-12-() | .500 .491 | 12,70 12,47 | .548 | 13,92 | .3745 .3725 | 9,512 9,462 | .3740 | 9,500 | .185 .180 | 4,70 4,57 | .083 | 2,11 | .133 .126 | 3,378 3,200 | 1.100 | 27,940 | .040 | 1,02 | .500 | 12,70 |

TABLE I (CONT)

| PART NUMBER | MINIMUM AVAILABLE GRIP DASH NO. | INSTALLED DIMENSIONS | | | | | | MECHANICAL PROPERTIES | | | | | | | |
|---------------|---------------------------------|-----------------------|--------------|-------------|-------|--------|-------|-----------------------|----|-----------------------------------|-------|-------------------|-------|---------------------|-------|
| | | RECOMMENDED HOLE SIZE | | J DIA. MIN. | | K MAX. | | BREAK-OFF LIMITS | | TENSILE STRUCTURAL FAILURE (MIN.) | | DOUBLE SHEAR MIN. | | LOCKING TORQUE MIN. | |
| | | INCH | mm | INCH | mm | INCH | mm | INCH | mm | LBS. | N | LBS. | N | IN-LBS | Nm |
| MBF3009-5-() | -100 | .168 .165 | 4,27 4,19 | .250 | 6,35 | .370 | 9,40 | +.103 -.000 | | 900 | 4000 | 3150 | 14010 | 1.0 | 0,113 |
| MBF3009-6-() | -100 | .202 .199 | 5,13 5,05 | .300 | 7,62 | .420 | 10,67 | | | 1400 | 6230 | 4600 | 20460 | 1.5 | 0,170 |
| MBF3009-7-() | -100 | .231 .228 | 5,88 5,79 | .350 | 8,89 | .490 | 12,45 | | | 1600 | 7120 | 6050 | 26910 | 2.0 | 0,226 |
| MBF3009-8-() | -150 | .263 .260 | 6,68 6,60 | .400 | 10,16 | .510 | 12,95 | | | 2100 | 9340 | 7900 | 35140 | 2.5 | 0,282 |
| MBF3009-9-() | -150 | .293 .290 | 7,44 7,37 | .450 | 11,43 | .535 | 13,59 | | | 2600 | 11565 | 9800 | 43590 | 3.0 | 0,339 |
| MBF3009-10-() | -150 | .315 .312 | 8,00 7,92 | .475 | 12,06 | .540 | 13,72 | | | 3600 | 16010 | 11350 | 50480 | 3.5 | 0,400 |
| MBF3009-11-() | -150 | .347 .344 | 8,81 8,74 | .525 | 13,33 | .670 | 17,02 | | | 4400 | 19570 | 13850 | 61600 | 4.0 | 0,452 |
| MBF3009-12-() | -150 | .378 .375 | 9,60 9,52 | .565 | 14,35 | .675 | 17,15 | | | 5000 | 22240 | 16450 | 73170 | 4.5 | 0,508 |

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 EUROPEAN PATENT NO. 0152531 & 0244783

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TITLE
 BLIND FASTENER REDUCED PROTRUDING HEX. HEAD
 FOR ADVANCED COMPOSITE MATERIAL
 CRES

STANDARD
 MBF 3009
 SHEET 1 OF 2

