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STUD, RING LOCKED, METRIC **1100 Mpa / 235°C**

BA6090

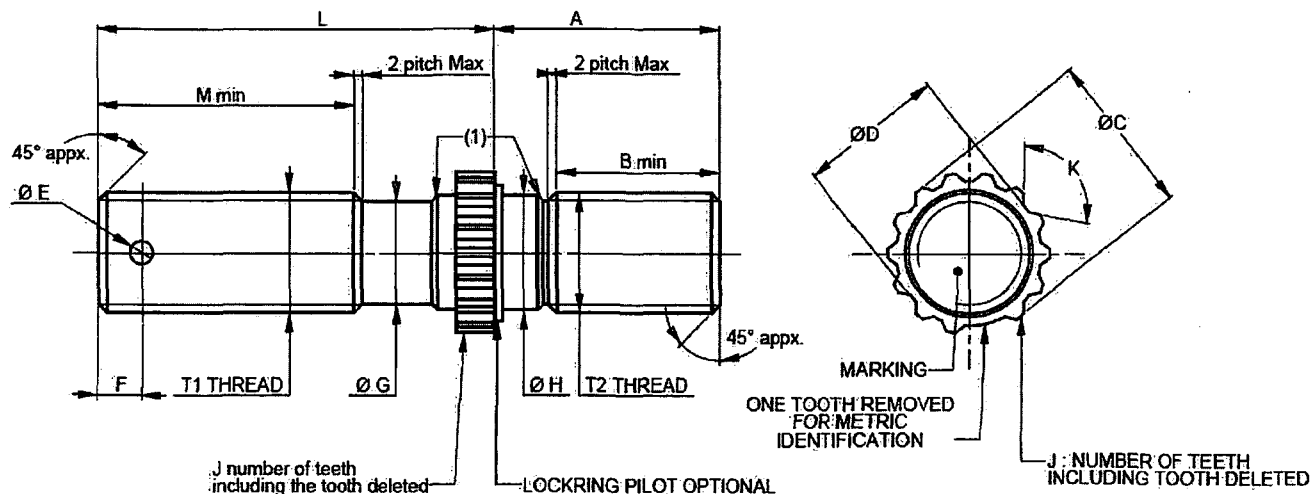


FIGURE 1

GENERAL NOTE:

UNLESS OTHERWISE SPECIFIED

- i) **Units:** Dimensions and tolerance are in millimeters. Dimension to be met after finish.
- ii) **Surface Texture :** $R_a 3.2 \sqrt{\text{ }}$ per ASME B46.1 Values to be met after Plating or coating
- iii) **Break sharp edges:** 0.05mm/0.2mm. Stud shall be free from blur and slivers.
- iv) **Fillets :** R 0.2mm / 0.4mm
- v) **Thread:** MJ threads per ISO 5855/1 and ISO 5855/2
- vi) **Tolerance:** $\pm 0.2 \text{ mm}$ and $\pm 2^\circ$
- vii) **Concentricity:** T1 thread and T2 thread to be concentric within 0.15 full indicator reading

01 FEV. 2008

DIFFUSION CONTROLEE
A-AI-C-E-H-I-L-M-P-S-T-V

RECU - 1 FEV. 2008

Technical Center	Drawn by	Signature	Date	Approved by	Signature	Date	Revision
PAGE 1/A	R. LEMERCIER		11 JAN 08	F. VERDIER		11 JAN 08	A

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1. Stud definition

Configuration- Dimensions- Tolerances- Masses

See figure 1 and table 1 and 2.

DIA DASH NO.	MJ Threads per ISO 5855-1/2 Tol. 4h 6h	A ± 0,5 2)	B Min	ØC ± 0,1	ØD ± 0,1	Ø'E +0,14 -0	F +0 -0,3	Ø G approx	Ø H +0,3 -0	J	K ± 2°
05	MJ5 x 0,8	11,0	7,50	7,80	6,7	1,5	1,9	4,50	5	15	100°30'
06	MJ6 x 1	13,5	9,00	8,80	7,7	1,5	2,8	5,35	6	15	100°30'
08	MJ8 x 1	17,0	11,25	10,75	9,6	1,9	3,5	7,35	8	19	98°15'
10	MJ10 x 1,25	21,0	13,50	12,90	11,7	2,4	3,5	9,20	10	23	96°50'

Table 1. DIMENSIONS, NOMINAL SIZE

- 1) An incomplete protective treatment is admitted in the stud serrated area and locking internal configuration as indicated in Figure 1.
 2) "A" and "L" (ref Table1 and Table2) dimensions are applicable when locking is against stud stop.

Nut end length		M Min and approx mass (Kg/1000 parts) for applicable size code							
		05		06		08		10	
code	"L" ± 0,5 2)	M	Mass	M	Mass	M	Mass	M	Mass
010	10	5,5	3,11	---		---		---	
011	11	6,5	3,23						
012	12	7,5	3,35						
013	13	8,5	3,47						
014	14	9,5	3,59						
015	15	10,5	3,71	9,5	5,89	8,0	11,97	---	
016	16	11,5	3,83	10,5	6,06	9,0	12,30		
017	17	12,5	3,95	11,5	6,23	10,0	12,63		
018	18	13,5	4,07	12,5	6,40	11,0	12,96		
019	19	14,0	4,19	13,5	6,57	12,0	13,29	10,5	23,16
020	20		4,31	14,5	6,74	13,0	13,62	11,5	23,68
021	21		4,43	15,0	6,91	14,0	13,95	12,5	24,20
022	22		4,55		7,08	15,0	14,28	13,5	24,72
023	23		4,61		7,25	16,0	14,61	14,5	25,24
024	24		4,79		7,42	17,0	14,94	15,5	25,76
025	25		4,91		7,59	18,0	15,27	16,5	26,28
026	26		5,03		7,76		15,6	17,5	26,80
027	27		5,15		7,93		15,93	18,5	27,32
028	28		5,27		8,10		16,26	19,5	27,84
029	29		5,39		8,27		16,59	20,0	28,36
030	30		5,51		8,44		16,92		28,88
031	31		5,63		8,61		17,25		29,40
032	32		5,75		8,78		17,58		29,92
033	33		5,87		8,95		17,91		30,44
034	34		5,99		9,12		18,24		30,96
035	35		6,11		9,29		18,57		31,48

Table 2. DIMENSIONS M AND L, MASSES

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Material

Stud: 8740 steel per AMS6322 or 4340 steel per AMS6415. UTS min = 1100 MPa
 Lockring: AISI 1117 carbon steel per ASTM-A108 Hardness HRC 35-45

Surface Treatment

Code C: Cadmium plated per AMS-QQ-P-416 Type II Class3

Service Temperature Limit

235°C

2. Designation

Example:

BA6090 05 C 010 K

No code = No cotter pin hole in nut end

K code = Cotter pin hole in nut end

LENGTH Code in millimetres.

SURFACE TREATMENT Code

DIAMETER Code in mm

Basic part number

3. Marking

per EN2424 style F and "MJ" identification as specified in figure 1

4. Technical Specification

Per LN65009.

5. Installation Specification

NA

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A



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Revision Date	Name	Modifications	Justification
A 11JAN2008	R.LEMERCIER	Superseded BA3710 Deleted: figure 1, "dimensions are applicable when locking is against stud stop" Deleted: note « Full Thread » Table 2 Deleted: note 3) « Full Thread » Table 1 Added: "MJ" marking "Aluminum coated per NAS4006" deleted	-

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