



Tour Gamma A
193, rue de Bercy
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STUD, RING LOCKED, METRIC, STAINLESS STEEL 1100 Mpa / 235°C

BA6100

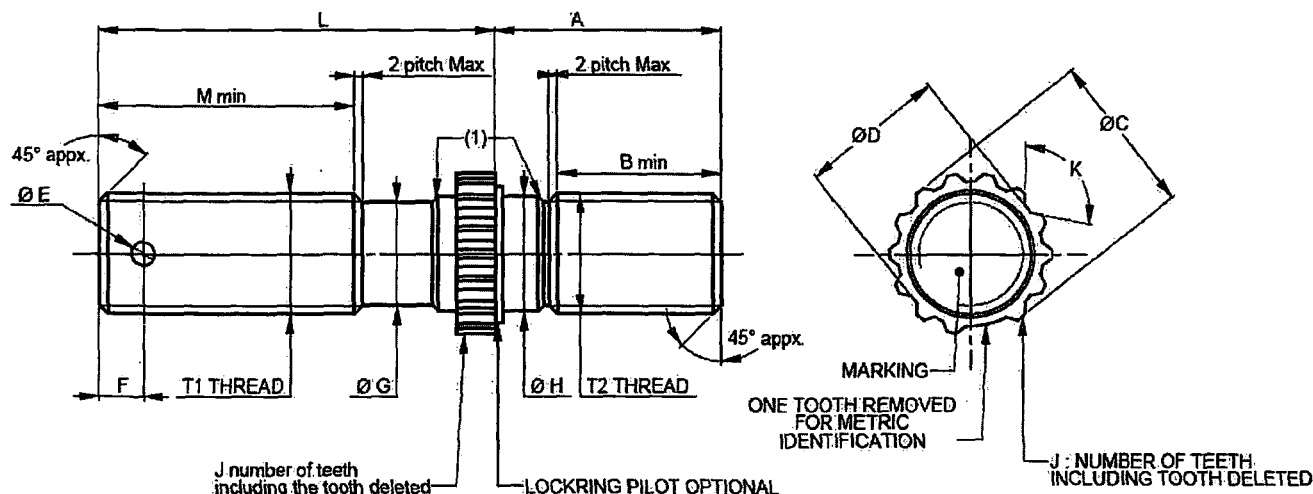


FIGURE 1

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-M-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 1/4	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	ØE +0,14 -0	F +0 -0,3	ØG approx	ØH +0,3 -0	J	K ± 2°
		T1	T2								
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: A 286 corrosion resisting steel per AMS5731 or AMS5734. UTS min = 1100 MPa
Lockring: 303 corrosion resisting steel per ASTM-A581 or ASTM-A582

Surface Treatment

Code C: Cadmium plated per AMS-QQ-P-416 Type II Class3
Code E: Aluminium coated per NAS4006
Code P: Passivated per AMS2700

Service Temperature Limit

315 °C For Passivated stud , 235°C for others.

2. Designation

Example:

BA6100 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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Revision Date	Name	Modifications	Justification
A 11JAN2008	R.LEMERCIER	Supersede BA3720 Deleted: figure 1, "dimensions are applicable when locking is against stud stop" Deleted : note « Full Thread » Table 2 Deleted : note 3) « Full Thread » Table1 Added : "MJ" marking Hardness HRC 35-45 deleted	-

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