

Embouts Rod ends

Embout mâle

Male rod end

EML page 26

EME page 28

EMA page 30

Embout femelle

Female rod end

EFL page 32

EFE page 34

EFA page 36

EMBOUT MÂLE

(série large)

Matériaux

Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps MIL-S-5000 (4340)
Rod-end MIL-S-5000 (4340)

Dimensions - Tolérances

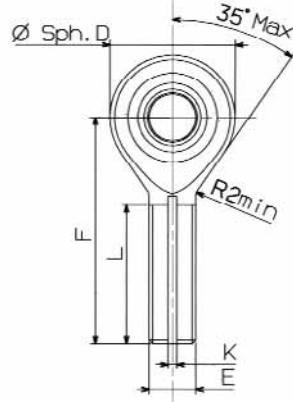
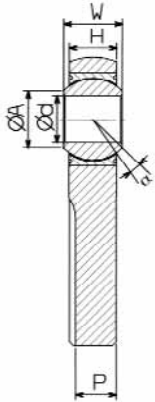
Dimensions - Tolerances

Code	d	A	W	D	E	F	H	L	K	P	α°	
	-0,0127/0 -0,0005/0	Min.	-0,0508/0 -0,002/0	$\pm 0,254$ $\pm 0,010$	Filetage/Thread (inch) UNJF-3A	$\pm 0,254$ $\pm 0,010$	$\pm 0,127$ $\pm 0,005$	$\pm 0,787$ $\pm 0,031$	0/+0,127 0/+0,005	-0,127/0 -0,005/0	Min.	
Dimension : mm					[Dimension: inch]							
3	4,826 (0,190)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	39,675 (1,562)	8,560 (0,337)	24,587 (0,968)	1,575 (0,062)	6,807 (0,268)	15°	
4	6,350 (0,250)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	39,675 (1,562)	8,560 (0,337)	24,587 (0,968)	1,575 (0,062)	6,807 (0,268)	15°	
5	7,938 (0,313)	9,144 (0,360)	11,100 (0,437)	22,860 (0,900)	(0,3125-24)	47,625 (1,875)	8,306 (0,327)	30,150 (1,187)	1,575 (0,062)	6,807 (0,268)	14°	
6	9,525 (0,375)	11,938 (0,470)	12,700 (0,500)	26,035 (1,025)	(0,3750-24)	49,225 (1,938)	10,566 (0,416)	30,150 (1,187)	2,362 (0,093)	8,103 (0,319)	8°	
7	11,113 (0,438)	13,716 (0,540)	14,275 (0,562)	29,210 (1,150)	(0,4375-20)	53,975 (2,125)	11,481 (0,452)	32,537 (1,281)	2,362 (0,093)	9,728 (0,383)	10°	
8	12,700 (0,500)	15,494 (0,610)	15,875 (0,625)	33,960 (1,337)	(0,5000-20)	61,925 (2,438)	13,081 (0,515)	37,287 (1,468)	2,362 (0,093)	11,303 (0,445)	9°	
10	15,875 (0,625)	19,050 (0,750)	19,050 (0,750)	38,735 (1,525)	(0,6250-18)	66,675 (2,625)	14,656 (0,577)	39,675 (1,562)	3,175 (0,125)	13,741 (0,541)	12°	
12	19,050 (0,750)	21,590 (0,850)	22,225 (0,875)	45,085 (1,775)	(0,7500-16)	73,025 (2,875)	16,256 (0,640)	42,850 (1,687)	3,175 (0,125)	16,840 (0,663)	13°	
14	22,225 (0,875)	25,400 (1,000)	22,225 (0,875)	51,435 (2,025)	(0,8750-14)	85,725 (3,375)	19,431 (0,765)	50,800 (2,000)	3,962 (0,156)	19,736 (0,777)	6°	
16	25,400 (1,000)	32,258 (1,270)	34,925 (1,375)	70,485 (2,775)	(1,2500-12)	104,775 (4,125)	25,781 (1,015)	59,512 (2,343)	4,750 (0,187)	28,854 (1,136)	12°	

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,). ⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

MALE ROD END

(wide serie)



EML



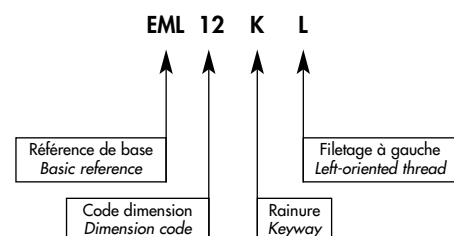
Nos dessins sont cotés en mm
Our drawings are in mm

Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible Ultimate Radial Static Load	Charge Dynamique Radiale Admissible Ultimate Radial Dynamic Load	Charge Statique Axiale Admissible Ultimate Axial Static Load	Couple de démarrage - N.m No Load Rotational Breakaway Torque Lb.in		Masse (g) Weight (Lb)
				Min.	Max.	
				KN/LBS		
3	10,50 (2360)	6,54 (1470)	4,45 (1000)	0,057 (0,5)	0,678 (6,0)	32,66 (0,072)
4	21,62 (4860)	10,59 (2380)	4,45 (1000)	0,057 (0,5)	0,678 (6,0)	32,66 (0,072)
5	31,94 (7180)	12,32 (2770)	4,89 (1100)	0,057 (1,0)	0,057 (15,0)	39,46 (0,087)
6	38,03 (8550)	15,88 (3570)	7,38 (1660)	0,057 (1,0)	0,057 (15,0)	61,69 (0,136)
7	53,38 (12000)	21,35 (4800)	8,23 (1850)	0,057 (1,0)	0,057 (15,0)	83,01 (0,183)
8	86,74 (19500)	34,16 (7680)	9,07 (2040)	0,057 (1,0)	0,057 (15,0)	126,10 (0,278)
10	97,41 (21900)	40,83 (9180)	10,81 (2430)	0,057 (1,0)	0,057 (15,0)	192,32 (0,424)
12	130,33 (29300)	51,60 (11600)	12,50 (2810)	0,057 (1,0)	0,057 (15,0)	289,84 (0,639)
14	153,46 (34500)	58,27 (13100)	14,77 (3320)	0,113 (1,0)	2,712 (24,0)	436,81 (0,963)
16	357,17 (80300)	135,22 (30400)	19,30 (4340)	0,113 (1,0)	2,712 (24,0)	1154,84 (2,546)

Codification

Référence de Base Basic reference	EML		
	Bague inter. Inner ring	Bague exter. Outer ring	Embout Rod-end
Matière Material	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques	55 à/ to 62 Hrc	28 à/ to 37 Hrc	39 à/ to 42 Hrc
Garniture autolubrifiante Liner		Tissu imprégné de PTFE PTFE liner	
Filetage Thread	Sans Code		Sens du filetage à droite Right-oriented thread
	Code L		Sens du filetage à gauche Left-oriented thread
Rainure longitudinale Longitudinal keyway	Code K		1 Rainure perpendiculaire aux faces de l'embout 1 slot perpendicular to the rod-end face
Traitement de surface Surface treatment			Cadmimage Cadmium plating



Standard Dimensionnel (Dimensional Standard) : SAE AS 81935/1

Spécification Technique (Technical specification) : SAE AS 81935

EMBOUT MÂLE

(série étroite)

Matériaux

Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps MIL-S-5000 (4340)
Rod-end MIL-S-5000 (4340)

Dimensions - Tolérances

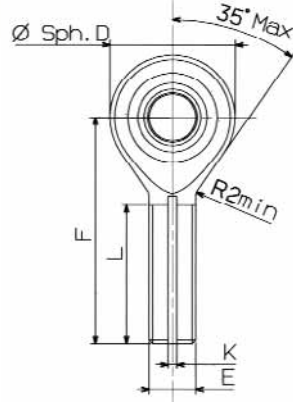
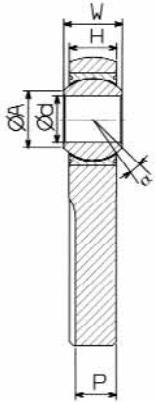
Dimensions - Tolerances

Code	d	A	W	D	E	F	H	L	K	P	α°
	-0,0127/0 -0,0005/0	Min.	-0,0508/0 -0,002/0	±0,254 ±0,010	Filetage/Thread (inch) UNJF-3A	±0,254 ±0,010	±0,127 ±0,005	±0,787 ±0,031	0/+0,127 0/+0,005	-0,127/0 -0,005/0	
Dimension : mm					[Dimension: inch]						
3	4,826 (0,190)	7,442 (0,293)	7,137 (0,281)	17,272 (0,680)	(0,25-28)	33,401 (1,315)	5,791 (0,228)	19,685 (0,775)	1,575 (0,062)	5,258 (0,207)	10°
4	6,350 (0,250)	9,246 (0,364)	8,712 (0,343)	21,006 (0,827)	(0,25-28)	36,652 (1,443)	6,604 (0,260)	19,685 (0,775)	1,575 (0,062)	5,258 (0,207)	10°
5	7,938 (0,313)	10,643 (0,419)	9,525 (0,375)	24,994 (0,984)	(0,3125-24)	49,479 (1,948)	7,391 (0,291)	30,150 (1,187)	1,575 (0,062)	6,807 (0,268)	10°
6	9,525 (0,375)	12,065 (0,475)	10,312 (0,406)	28,727 (1,131)	(0,3750-24)	51,562 (2,030)	8,179 (0,322)	30,150 (1,187)	2,362 (0,093)	8,103 (0,319)	9°
7	11,113 (0,438)	13,462 (0,530)	11,100 (0,437)	32,868 (1,294)	(0,4375-20)	57,150 (2,250)	8,966 (0,353)	32,537 (1,281)	2,362 (0,093)	9,728 (0,383)	8°
8	12,700 (0,500)	15,240 (0,600)	12,700 (0,500)	37,059 (1,459)	(0,5000-20)	64,618 (2,544)	10,160 (0,400)	37,287 (1,468)	2,362 (0,093)	11,303 (0,445)	8°
10	15,875 (0,625)	18,771 (0,739)	15,875 (0,625)	44,780 (1,763)	(0,6250-18)	72,009 (2,835)	12,954 (0,510)	39,675 (1,562)	3,175 (0,125)	13,741 (0,541)	8°
12	19,050 (0,750)	23,368 (0,920)	19,050 (0,750)	54,356 (2,140)	(0,7500-16)	81,102 (3,193)	15,316 (0,603)	42,850 (1,687)	3,175 (0,125)	16,840 (0,663)	8°
14	22,225 (0,875)	24,892 (0,980)	22,225 (0,875)	60,249 (2,372)	(0,8750-14)	93,396 (3,677)	18,110 (0,713)	50,800 (2,000)	3,962 (0,156)	19,736 (0,777)	8°
16	25,400 (1,000)	28,397 (1,118)	25,400 (1,000)	68,097 (2,681)	(1,0-12)	100,787 (3,968)	20,498 (0,807)	53,340 (2,100)	3,962 (0,156)	22,860 (0,900)	9°

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,). ⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

MALE ROD END

(narrow serie)



EME



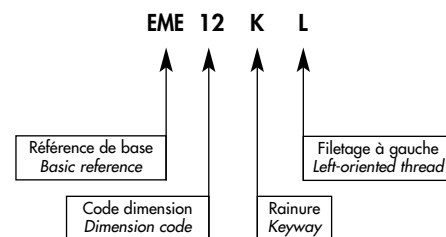
Nos dessins sont cotés en mm
Our drawings are in mm

Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible Ultimate Radial Static Load	Charge Dynamique Radiale Admissible Ultimate Radial Dynamic Load	Charge Statique Axiale Admissible Ultimate Axial Static Load	Couple de démarrage - N.m No Load Rotational Breakaway Torque Lb.in		Masse (g) Weight (Lb)
				Min.	Max.	
				KN/LBS		
3	13,344 (3000)	4,893 (1100)	0,667 (150)	0,056 (0,5)	0,678 (6,0)	17,273 (0,038)
4	23,574 (5300)	6,672 (1500)	1,913 (430)	0,056 (0,5)	0,678 (6,0)	20,455 (0,045)
5	38,253 (8600)	10,675 (2400)	3,114 (700)	0,113 (1,0)	1,695 (15,0)	36,818 (0,081)
6	57,824 (13000)	16,013 (3600)	4,893 (1100)	0,113 (1,0)	1,695 (15,0)	54,545 (0,120)
7	79,174 (17800)	22,240 (5000)	6,227 (1400)	0,113 (1,0)	1,695 (15,0)	78,182 (0,172)
8	107,642 (24200)	30,246 (6800)	9,074 (2040)	0,113 (1,0)	1,695 (15,0)	115,455 (0,254)
10	171,248 (38500)	48,038 (10800)	10,809 (2430)	0,113 (1,0)	1,695 (15,0)	206,818 (0,455)
12	251,757 (56600)	71,168 (16000)	13,077 (2940)	0,113 (1,0)	1,695 (15,0)	351,818 (0,774)
14	344,275 (77400)	97,411 (21900)	14,189 (3190)	0,113 (1,0)	2,712 (24,0)	518,636 (1,141)
16	451,027 (101400)	127,213 (28600)	15,879 (3570)	0,113 (1,0)	2,712 (24,0)	748,182 (1,646)

Codification

Référence de Base Basic reference	EME		
	Bague inter. Inner ring	Bague exter. Outer ring	Embout Rod-end
Matière Material	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques	55 à/to 62 Hrc	28 à/to 37 Hrc	39 à/to 42 Hrc
Garniture autolubrifiante Liner		Tissu imprégné de PTFE PTFE liner	
Filetage Thread	Sans Code		Sens du filetage à droite Right-oriented thread
	Code L		Sens du filetage à gauche Left-oriented thread
Rainure longitudinale Longitudinal keyway	Code K		1 Rainure perpendiculaire aux faces de l'embout 1 slot perpendicular to the rod-end face
Traitement de surface Surface treatment			Cadmimage Cadmium plating



Standard Dimensionnel (Dimensional Standard) : SAE AS 81935/4

Spécification Technique (Technical specification) : SAE AS 81935

EMBOUT MÂLE

(série large)



Matériaux

Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps FE-PM43 (EN2030)
Rod-end FE-PM43 (EN2030)

Dimensions - Tolérances

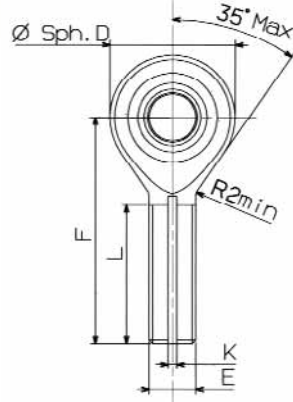
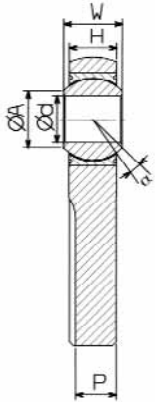
Dimensions - Tolerances

Code	d	A	W	D	E	F	H	L	K	P	α°
	-0,0127/0 -0,0005/0	Min.	-0,127/0 -0,005/0	±0,254 ±0,010	Filetage/Thread (inch) UNJF-3A	±0,254 ±0,010	±0,127 ±0,005	-0,760/+1,52 -0,03/+0,06	0/+0,127 0/+0,005	-0,127/0 -0,005/0	
Dimension : mm					[Dimension: inch]						
3	4,826 (0,190)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	39,675 (1,562)	8,560 (0,337)	25,400 (1,000)	1,575 (0,062)	6,807 (0,268)	15°
4	6,350 (0,250)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	39,675 (1,562)	8,560 (0,337)	25,400 (1,000)	0,157 (0,006)	6,807 (0,268)	15°
5	7,937 (0,312)	9,140 (0,360)	11,100 (0,437)	22,860 (0,900)	(0,3125-24)	47,625 (1,875)	8,306 (0,327)	26,975 (1,062)	1,575 (0,062)	6,807 (0,268)	14°
6	9,525 (0,375)	11,940 (0,470)	12,700 (0,500)	26,035 (1,025)	(0,375-24)	49,225 (1,938)	10,566 (0,416)	31,750 (1,250)	2,362 (0,093)	8,103 (0,319)	8°
7	11,112 (0,437)	13,720 (0,540)	14,275 (0,562)	29,210 (1,150)	(0,4375-20)	53,975 (2,125)	11,481 (0,452)	34,925 (1,375)	2,362 (0,093)	9,728 (0,383)	10°
8	12,700 (0,500)	15,490 (0,610)	15,875 (0,625)	33,960 (1,337)	(0,5-20)	61,925 (2,438)	13,081 (0,515)	38,100 (1,500)	2,362 (0,093)	11,303 (0,445)	9°
10	15,875 (0,625)	19,050 (0,750)	19,050 (0,750)	38,735 (1,525)	(0,625-18)	66,675 (2,625)	14,636 (0,576)	41,275 (1,625)	3,175 (0,125)	13,741 (0,541)	12°
12	19,050 (0,750)	21,390 (0,842)	22,225 (0,875)	43,085 (1,696)	(0,75-16)	73,025 (2,875)	16,250 (0,640)	44,450 (1,750)	3,175 (0,125)	16,840 (0,663)	13°
14	22,225 (0,875)	25,400 (1,000)	22,225 (0,875)	51,435 (2,025)	(0,8775-14)	85,725 (3,375)	19,431 (0,765)	47,625 (1,875)	3,962 (0,156)	19,736 (0,777)	6°
16	25,400 (1,000)	32,260 (1,270)	34,925 (1,375)	70,485 (2,775)	(1,25-12)	104,775 (4,125)	25,731 (1,013)	53,210 (2,095)	4,750 (0,187)	28,854 (1,136)	12°

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,). ⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

MALE ROD END

(wide serie)



EMA



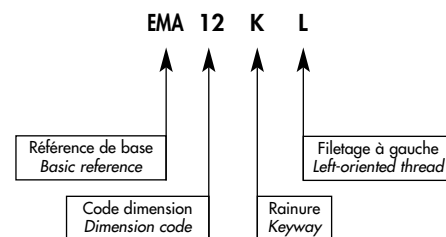
Nos dessins sont cotés en mm
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Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible Ultimate Radial Static Load	Charge Dynamique Radiale Admissible Ultimate Radial Dynamic Load	Charge Statique Axiale Admissible Ultimate Axial Static Load	Couple de démarrage - N.m No Load Rotational Breakaway Torque Lb.in		Masse (g) Weight (Lb)
				Min.	Max.	
				KN/LBS		
3	10,50 (2361)	6,54 (1470)	4,45 (1000)	0,056 (0,49)	0,678 (6)	27,20 (0,060)
4	21,62 (4861)	10,59 (2381)	4,45 (1000)	0,056 (0,49)	0,678 (6)	27,20 (0,060)
5	31,94 (7181)	12,32 (2770)	4,89 (1099)	0,113 (1)	1,13 (10)	31 (0,068)
6	38,03 (8550)	15,88 (3570)	7,38 (1659)	0,113 (1)	1,13 (10)	50 (0,110)
7	53,38 (12001)	21,35 (4800)	8,23 (1850)	0,113 (1)	1,13 (10)	68 (0,150)
8	86,74 (19501)	34,16 (7680)	9,07 (2039)	0,113 (1)	1,13 (10)	113 (0,249)
10	97,42 (21902)	40,83 (9179)	10,81 (2430)	0,113 (1)	1,13 (10)	167 (0,367)
12	130,33 (29301)	51,60 (11601)	12,50 (2810)	0,113 (1)	1,13 (10)	263 (0,579)
14	153,46 (34501)	58,27 (13100)	14,76 (3318)	0,226 (2)	1,808 (16)	358 (0,788)
16	357,19 (80303)	135,23 (30402)	19,31 (4341)	0,226 (2)	1,808 (16)	1043 (2,295)

Codification

Référence de Base Basic reference	EMA		
	Bague inter. Inner ring	Bague exter. Outer ring	Embout Rod-end
Matière Material	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques	55 à/to 62 Hrc	28 à/to 37 Hrc	39 à/to 42 Hrc
Garniture autolubrifiante Liner		Tissu imprégné de PTFE PTFE liner	
Filetage Thread	Sans Code		Sens du filetage à droite Right-oriented thread
	Code L		Sens du filetage à gauche Left-oriented thread
Rainure longitudinale Longitudinal keyway	Code K		1 Rainure perpendiculaire aux faces de l'embout 1 slot perpendicular to the rod-end face
Traitement de surface Surface treatment			Cadmimage Cadmium plating



Standard Dimensionnel (Dimensional Standard) : NSA 8143

Spécification Technique (Technical specification) : SAE AS 8948

EMBOUT FEMELLE

(série large)



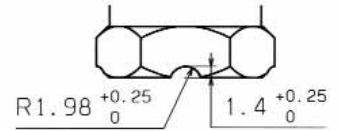
Matériaux Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps MIL-S-5000 (4340)
Rod-end MIL-S-5000 (4340)



Encoches -3 à -8 pour le code K
Slots -3 to -8 for code K

Dimensions - Tolérances

Dimensions - Tolerances

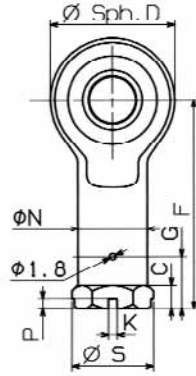
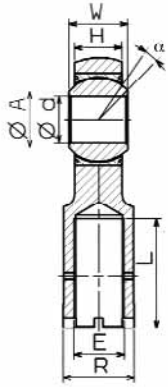
Code	d	A	W	C	D	E	F	G	H	Code K		Code W		L	N	R	S	α°	
										K	P	K	P						
	-0,0127/0 -0,0005/0	Min.	-0,0508/0 -0,002/0	-1,574/+0,254 -0,062/+0,01	±0,254 ±0,01	Filetage / Thread (inch) UNUF-3B	±2,54 ±0,010	±0,508 ±0,020	±0,127 ±0,005	0/+0,13 0/+0,005	0/+0,13 0/+0,005	0/+0,13 0/+0,005	0/+0,13 0/+0,005	Filet complet min. Complete thread min.	±2,54 ±0,010	-0,254/+0,0508 -0,010/+0,002			Min.
Dimension : mm										[Dimension: inch]									
3	4,826 (0,190)	7,620 (0,300)	11,100 (0,437)	4,775 (0,188)	20,472 (0,806)	(0,3125-24)	34,925 (1,375)	9,525 (0,375)	8,560 (0,337)			1,575 (0,062)	2,794 (0,110)	19,050 (0,750)	10,719 (0,422)	11,100 (0,437)	12,700 (0,500)	15°	
4	6,350 (0,250)	7,620 (0,300)	11,100 (0,437)	4,775 (0,188)	20,472 (0,806)	(0,3125-24)	37,313 (1,469)	9,525 (0,375)	8,560 (0,337)			1,575 (0,062)	2,794 (0,110)	19,050 (0,750)	10,719 (0,422)	11,100 (0,437)	12,700 (0,500)	15°	
5	7,938 (0,3125)	9,144 (0,360)	11,100 (0,437)	6,350 (0,250)	22,860 (0,900)	(0,3750-24)	41,275 (1,625)	11,100 (0,437)	8,306 (0,327)			2,362 (0,093)	2,794 (0,110)	22,225 (0,875)	12,319 (0,485)	12,700 (0,500)	14,732 (0,580)	14°	
6	9,525 (0,375)	11,938 (0,470)	12,700 (0,500)	6,350 (0,250)	26,035 (1,025)	(0,3750-24)	46,025 (1,812)	11,100 (0,437)	10,566 (0,416)			2,362 (0,093)	2,794 (0,110)	25,400 (1,000)	13,894 (0,547)	14,275 (0,562)	16,764 (0,660)	8°	
7	11,113 (0,4375)	13,716 (0,540)	14,275 (0,562)	6,350 (0,250)	29,210 (1,150)	(0,4375-20)	50,800 (2,000)	12,700 (0,500)	11,481 (0,452)			2,362 (0,093)	2,794 (0,110)	28,575 (1,125)	15,494 (0,610)	15,875 (0,625)	18,288 (0,720)	10°	
8	12,700 (0,500)	15,494 (0,610)	15,875 (0,625)	6,350 (0,250)	33,960 (1,337)	(0,5000-20)	57,150 (2,250)	14,275 (0,562)	13,081 (0,515)			2,362 (0,093)	2,794 (0,110)	31,750 (1,250)	18,669 (0,735)	19,050 (0,750)	22,352 (0,880)	9°	
10	15,875 (0,625)	19,050 (0,750)	19,050 (0,750)	9,525 (0,375)	38,735 (1,525)	(0,6250-18)	63,500 (2,500)	17,450 (0,687)	14,656 (0,577)	3,175 (0,125)	1,956 (0,077)	3,175 (0,125)	2,794 (0,110)	34,925 (1,375)	21,844 (0,860)	22,225 (0,875)	25,908 (1,020)	12°	
12	19,050 (0,750)	21,590 (0,850)	22,225 (0,875)	9,525 (0,375)	45,085 (1,775)	(0,7500-16)	73,025 (2,875)	20,625 (0,812)	16,256 (0,640)	3,175 (0,125)	1,956 (0,077)	3,175 (0,125)	2,794 (0,110)	41,275 (1,625)	25,019 (0,985)	25,400 (1,000)	29,464 (1,160)	13°	
14	22,225 (0,875)	25,400 (1,000)	22,225 (0,875)	12,700 (0,500)	51,435 (2,025)	(0,8750-14)	85,725 (3,375)	23,800 (0,937)	19,431 (0,765)	3,962 (0,156)	2,184 (0,086)	3,962 (0,156)	2,794 (0,110)	47,625 (1,875)	28,194 (1,110)	28,575 (1,125)	33,020 (1,300)	6°	
16	25,400 (1,000)	32,258 (1,270)	34,925 (1,375)	14,300 (0,563)	70,485 (2,775)	(1,2500-12)	104,775 (4,125)	33,325 (1,312)	25,781 (1,015)	4,750 (0,187)	2,946 (0,116)	4,750 (0,187)	2,946 (0,116)	53,975 (2,125)	42,875 (1,688)	44,450 (1,750)	51,308 (2,020)	12°	

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,).

⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

FEMALE ROD END

(wide serie)



EFL



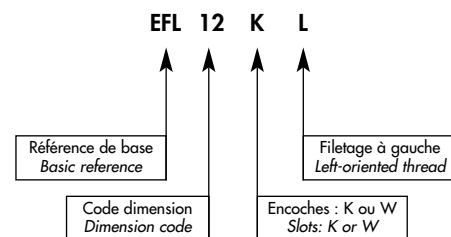
Nos dessins sont cotés en mm
Our drawings are in mm

Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible KN Ultimate Radial Static Load LB	Charge Dynamique Radiale Admissible KN Ultimate Radial Dynamic Load LB	Charge Statique Axiale Admissible KN Ultimate Axial Static Load LB	Couple de démarrage - N.m No Load Rotational Breakaway Torque Lb.in		Masse (g) Weight (Lb)
				Min.	Max.	
				3	10,497 (2360)	
4	21,617 (4860)	10,586 (2380)	4,448 (1000)	0,056 (0,5)	0,678 (6,0)	38,102 (0,084)
5	31,937 (7180)	13,433 (3020)	4,893 (1100)	0,113 (1,0)	1,695 (15,0)	46,266 (0,102)
6	38,030 (8550)	15,879 (3570)	7,384 (1660)	0,113 (1,0)	1,695 (15,0)	73,028 (0,161)
7	53,376 (12000)	21,350 (4800)	8,229 (1850)	0,113 (1,0)	1,695 (15,0)	96,161 (0,212)
8	86,736 (19500)	36,741 (8260)	9,074 (2040)	0,113 (1,0)	1,695 (15,0)	147,417 (0,325)
10	97,411 (21900)	40,833 (9180)	10,809 (2430)	0,113 (1,0)	1,695 (15,0)	218,177 (0,481)
12	130,326 (29300)	51,597 (11600)	12,499 (2810)	0,113 (1,0)	1,695 (15,0)	305,266 (0,673)
14	153,456 (34500)	58,269 (13100)	14,767 (3320)	0,113 (1,0)	2,712 (24,0)	434,993 (0,959)
16	357,175 (80300)	135,219 (30400)	19,304 (4340)	0,113 (1,0)	2,712 (24,0)	1232,404 (2,717)

Codification

Référence de Base Basic reference	EFL		
	Bague inter. Inner ring	Bague exter. Outer ring	Embout Rod-end
Matière Material	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques/Characteristics	55 à/to 62 Hrc	28 à/to 37 Hrc	39 à/to 42 Hrc
Garniture autolubrifiante Liner		Tissu imprégné de PTFE PTFE liner	
Filetage Thread	Sans Code		Sens du filetage à droite Right-oriented thread
	Code L		Sens du filetage à gauche Left-oriented thread
Encoches Slots	Code K		Avec encoche de freinage With keyslot
	Code W		Avec encoche profonde With deep square slot
Traitement de surface Surface treatment			Cadmimage Cadmium plating



Standard Dimensionnel (Dimensional Standard) : SAE AS 81935/2

Spécification Technique (Technical specification) : SAE AS 81935

EMBOUT FEMELLE

(série étroite)



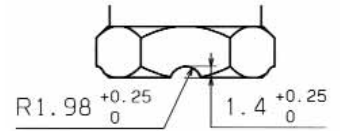
Matériaux Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps MIL-S-5000 (4340)
Rod-end MIL-S-5000 (4340)



Encoches -3 à -8 pour le code K
Slots -3 to -8 for code K

Dimensions - Tolérances

Dimensions - Tolerances

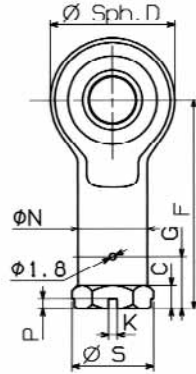
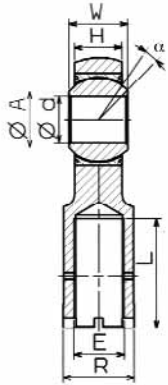
Code	d	A	W	C	D	E	F	G	H	Code K		Code W		L	N	R	S	α°	
										K	P	K	P						
										0/+0,13 0/+0,005	0/+0,13 0/+0,005	0/+0,13 0/+0,005	0/+0,13 0/+0,005						
	-0,0127/0 -0,0005/0	Min.	-0,0508/0 -0,002/0	-0,062/+0,010 -1,574/+0,254	±0,254 ±0,010	Filetage / Thread (inch) UNJF-3B	±0,254 ±0,010	±0,508 ±0,02	±0,127 ±0,005					Filet complet min. Complete thread min.	±2,54 ±0,010	+0,0508/+0,254 +0,002/+0,010			Min.
	Dimension : mm									[Dimension: inch]									
3	4,826 (0,190)	7,442 (0,293)	7,137 (0,281)	4,775 (0,188)	17,272 (0,680)	(0,2500-28)	30,734 (1,210)	7,925 (0,312)	5,791 (0,228)			1,575 (0,062)	2,794 (0,110)	15,875 (0,625)	8,357 (0,329)	9,525 (0,375)	10,922 (0,430)	10°	
4	6,350 (0,250)	9,246 (0,364)	8,712 (0,343)	4,775 (0,188)	21,006 (0,827)	(0,2500-28)	33,985 (1,338)	7,925 (0,312)	6,604 (0,260)			1,575 (0,062)	2,794 (0,110)	15,875 (0,625)	8,357 (0,329)	9,525 (0,375)	10,922 (0,430)	10°	
5	7,938 (0,313)	10,643 (0,419)	9,525 (0,375)	4,775 (0,188)	24,994 (0,984)	(0,3125-24)	39,776 (1,566)	9,525 (0,375)	7,391 (0,291)			1,575 (0,062)	2,794 (0,110)	19,050 (0,750)	10,490 (0,413)	11,100 (0,437)	12,700 (0,500)	10°	
6	9,525 (0,375)	12,065 (0,475)	10,312 (0,406)	6,350 (0,250)	28,727 (1,131)	(0,3750-24)	48,463 (1,908)	11,100 (0,437)	8,179 (0,322)			2,362 (0,093)	2,794 (0,110)	25,400 (1,000)	12,725 (0,501)	15,875 (0,625)	18,288 (0,720)	9°	
7	11,113 (0,438)	13,462 (0,530)	11,100 (0,437)	6,350 (0,250)	32,868 (1,294)	(0,4375-20)	53,975 (2,125)	12,700 (0,500)	8,966 (0,353)			2,362 (0,093)	2,794 (0,110)	28,575 (1,125)	14,834 (0,584)	15,875 (0,625)	18,288 (0,720)	8°	
8	12,700 (0,500)	15,240 (0,600)	12,700 (0,500)	9,525 (0,375)	37,059 (1,459)	(0,5000-20)	59,842 (2,356)	14,275 (0,562)	10,160 (0,400)			2,362 (0,093)	2,794 (0,110)	31,750 (1,250)	17,069 (0,672)	22,225 (0,875)	25,908 (1,020)	8°	
10	15,875 (0,625)	20,142 (0,793)	15,875 (0,625)	9,525 (0,375)	44,780 (1,763)	(0,6250-18)	68,758 (2,707)	17,450 (0,687)	12,954 (0,510)	3,175 (0,125)	1,956 (0,077)	3,175 (0,125)	2,794 (0,110)	34,925 (1,375)	21,463 (0,845)	22,225 (0,875)	25,908 (1,020)	8°	
12	19,050 (0,750)	23,368 (0,920)	19,050 (0,750)	12,700 (0,500)	54,356 (2,140)	(0,7500-16)	81,102 (3,193)	20,625 (0,812)	15,316 (0,603)	3,175 (0,125)	1,956 (0,077)	3,175 (0,125)	2,794 (0,110)	41,275 (1,625)	25,832 (1,017)	28,575 (1,125)	33,020 (1,300)	8°	
14	22,225 (0,875)	24,892 (0,980)	22,225 (0,875)	12,700 (0,500)	60,249 (2,372)	(0,8750-14)	93,396 (3,677)	23,800 (0,937)	18,110 (0,713)	3,962 (0,156)	2,184 (0,086)	3,962 (0,156)	2,794 (0,110)	47,625 (1,875)	30,150 (1,187)	31,750 (1,250)	34,925 (1,375)	8°	
16	25,400 (1,000)	28,397 (1,118)	25,400 (1,000)	12,700 (0,500)	68,097 (2,681)	(1,000-12)	104,165 (4,101)	26,975 (1,062)	20,498 (0,807)	3,962 (0,156)	2,388 (0,094)	3,962 (0,156)	2,794 (0,110)	53,975 (2,125)	34,442 (1,356)	34,925 (1,375)	40,386 (1,590)	9°	

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,).

⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

FEMALE ROD END

(narrow serie)



EFE



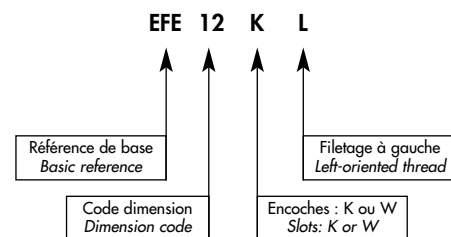
Nos dessins sont cotés en mm
Our drawings are in mm

Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible KN Ultimate Radial Static Load LB	Charge Dynamique Radiale Admissible KN Ultimate Radial Dynamic Load LB	Charge Statique Axiale Admissible KN Ultimate Axial Static Load LB	Couple de démarrage - N.m No Load Rotational Breakaway Torque Lb.in		Masse (g) Weight (Lb)
				Min.	Max.	
				3	13,344 (3000)	
4	24,464 (5500)	5,782 (1300)	1,913 (430)	0,0565 (0,5)	0,678 (6,0)	23,587 (0,052)
5	39,587 (8900)	8,896 (2000)	3,114 (700)	0,113 (1,0)	1,695 (15,0)	39,462 (0,087)
6	59,603 (13400)	13,789 (3100)	4,893 (1100)	0,113 (1,0)	1,695 (15,0)	62,142 (0,137)
7	80,954 (18200)	18,682 (4200)	6,227 (1400)	0,113 (1,0)	1,695 (15,0)	87,543 (0,193)
8	109,421 (24600)	25,354 (5700)	9,074 (2040)	0,113 (1,0)	1,695 (15,0)	126,552 (0,279)
10	175,696 (39500)	40,922 (9200)	10,809 (2430)	0,113 (1,0)	1,695 (15,0)	228,609 (0,504)
12	254,426 (57200)	60,048 (13500)	13,077 (2940)	0,113 (1,0)	1,695 (15,0)	390,087 (0,860)
14	346,055 (77800)	81,843 (18400)	13,789 (3100)	0,113 (1,0)	2,7119 (24,0)	574,245 (1,266)
16	449,248 (101000)	106,752 (24000)	15,879 (3570)	0,113 (1,0)	2,7119 (24,0)	824,173 (1,817)

Codification

Référence de Base Basic reference	EFE		
	Bague inter. Inner ring	Bague exter. Outer ring	Embout Rod-end
Matière Material	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques	55 à/ to 62 Hrc	28 à/ to 37 Hrc	39 à/ to 42 Hrc
Garniture autolubrifiante Liner		Tissu imprégné de PTFE PTFE liner	
Filetage Thread	Sans Code		Sens du filetage à droite Right-oriented thread
	Code L		Sens du filetage à gauche Left-oriented thread
Encoches Slots	Code K		Avec encoche de freinage With keyslot
	Code W		Avec encoche profonde With deep square slot
Traitement de surface Surface treatment			Cadmimage Cadmium plating



Standard Dimensionnel (Dimensional Standard) : SAE AS 81935/5

Spécification Technique (Technical specification) : SAE AS 81935

EMBOUT FEMELLE

(série large)

Matériaux

Material

Bague inter. FE-PM43 (EN2030)
Inner ring FE-PM43 (EN2030)

Bague exter. FE-PM3801 (EN3161)
Outer ring FE-PM3801 (EN3161)

Garniture Tissu imprégné de PTFE
Liner PTFE liner

Corps MIL-S-5000 (4340)
Rod-end MIL-S-5000 (4340)

Dimensions - Tolérances

Dimensions - Tolerances

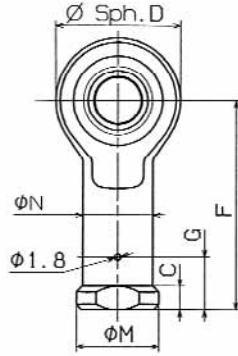
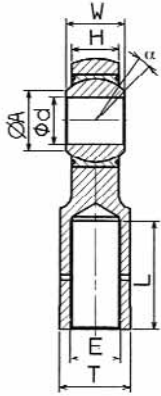
Code	d	A	W	D	E	F	G	H	L	M	N	T	α°
	-0,0127/0 -0,0005/0	Min.	-0,0127/0 -0,0005/0	-0,254/+0,889 -0,01/+0,035	Filetage/Thread (inch) UNJF-3B	±0,254 ±0,01	±0,381 ±0,015	±0,127 ±0,005	-0,762/+1,524 -0,03/+0,06	±0,254 ±0,01	±0,881 ±0,034	±0,254 ±0,01	
Dimension : mm					[Dimension: inch]								
03	4,826 (0,190)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	34,925 (1,375)	9,652 (0,380)	8,560 (0,337)	19,050 (0,750)	12,700 (0,500)	10,719 (0,422)	11,100 (0,437)	16°
04	6,350 (0,250)	7,620 (0,300)	11,100 (0,437)	20,472 (0,806)	(0,3125-24)	37,312 (1,469)	9,652 (0,380)	8,560 (0,337)	19,050 (0,750)	12,700 (0,500)	10,719 (0,422)	11,100 (0,437)	16°
05	7,937 (0,312)	9,140 (0,360)	11,100 (0,437)	22,680 (0,893)	(0,3125-24)	34,925 (1,375)	9,652 (0,380)	8,306 (0,327)	19,050 (0,750)	12,700 (0,500)	10,719 (0,422)	11,100 (0,437)	15°
06	9,525 (0,375)	11,940 (0,470)	12,700 (0,500)	26,035 (1,025)	(0,375-24)	41,275 (1,625)	11,176 (0,440)	10,566 (0,416)	23,799 (0,937)	15,875 (0,625)	14,402 (0,567)	14,783 (0,582)	9°
07	11,112 (0,437)	19,837 (0,781)	14,275 (0,562)	29,210 (1,150)	(0,4375-24)	46,024 (1,812)	12,700 (0,500)	11,481 (0,452)	26,975 (1,062)	17,449 (0,687)	15,494 (0,610)	15,875 (0,625)	11°
08	12,700 (0,500)	22,225 (0,875)	15,875 (0,625)	33,960 (1,337)	(0,5-20)	53,975 (2,125)	14,224 (0,560)	13,081 (0,515)	28,575 (1,125)	20,624 (0,812)	18,669 (0,735)	19,050 (0,750)	9°
10	15,875 (0,625)	26,975 (1,062)	19,050 (0,750)	38,735 (1,525)	(0,625-18)	66,675 (2,625)	17,526 (0,690)	14,656 (0,577)	38,100 (1,500)	25,400 (1,000)	21,844 (0,860)	22,225 (0,875)	12°
12	19,050 (0,750)	31,750 (1,250)	22,225 (0,875)	45,085 (1,775)	(0,750-16)	73,025 (2,875)	20,828 (0,820)	16,256 (0,640)	41,148 (1,620)	26,920 (1,060)	25,019 (0,985)	25,400 (1,000)	13°
14	22,225 (0,875)	34,925 (1,375)	22,225 (0,875)	51,435 (2,025)	(0,875-14)	85,725 (3,375)	23,876 (0,940)	19,431 (0,765)	47,625 (1,875)	30,150 (1,187)	28,194 (1,110)	28,575 (1,125)	6°
16	25,400 (1,000)	47,625 (1,875)	34,925 (1,375)	70,485 (2,775)	(1,0-12)	104,775 (4,125)	27,178 (1,070)	25,781 (1,015)	53,975 (2,125)	33,325 (1,312)	31,369 (1,235)	31,750 (1,250)	12°

⚠ Nota : le séparateur décimal pour les valeur en inch est une virgule (,).

⚠ Nota: the coma (,) is used as the decimal separator for Inch series.

FEMALE ROD END

(wide serie)



EFA



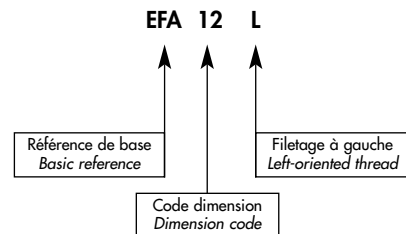
Nos dessins sont cotés en mm
Our drawings are in mm

Charges - Couples / Loads - Torques

Code	Charge Statique Radiale Admissible (KN) <i>Ultimate Radial Static Load (LB)</i>	Masse (g) <i>Weight (Lb)</i>
03	10,5 (2361)	27 (0,0594)
04	21,62 (4861)	27 (0,0594)
05	31,94 (7181)	31 (0,0682)
06	38,03 (8550)	49 (0,1078)
07	53,38 (12001)	81 (0,1782)
08	86,74 (19501)	127 (0,2794)
10	97,42 (21902)	190 (0,418)
12	130,33 (29301)	231 (0,5082)
14	153,46 (34501)	426 (0,9372)
16	357,19 (80803)	612 (1,3464)

Codification

Référence de Base <i>Basic reference</i>	EFA		
	Bague inter. <i>Inner ring</i>	Bague ext. <i>Outer ring</i>	Embout <i>Rod-end</i>
Matière <i>Material</i>	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM43 suivant EN2030	Acier résistant à la corrosion (corrosion resisting steel) : FE-PM3801 suivant EN3161	Acier allié suivant (allied steel according to) MIL-S-5000 (4340)
Caractéristiques	55 à /to 62 Hrc	28 à /to 37 Hrc	39 à /to 42 Hrc
Garniture autolubrifiante <i>Liner</i>		Tissu imprégné de PTFE <i>PTFE liner</i>	
Filetage <i>Thread</i>	Sans Code		Sens du filetage à droite <i>Right-oriented thread</i>
	Code L		Sens du filetage à gauche <i>Left-oriented thread</i>
Traitement de surface <i>Surface treatment</i>			Cadmilage <i>Cadmium plating</i>



Standard Dimensionnel (Dimensional Standard) : NSA 8149

Spécification Technique (Technical specification) : SAE AS 8948