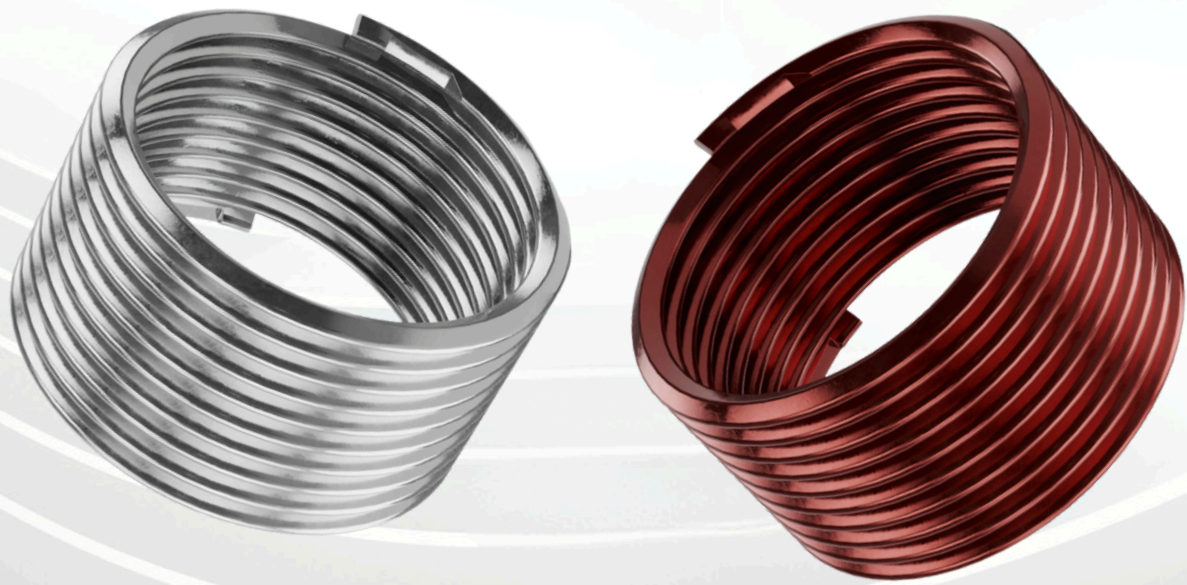


WIRE THREAD INSERT

AMECOIL[®]

TANGLESS





RELIABILITY

Product quality, respect of applicable standards, respect of our commitments through our certifications. It is because we are reliable that we can be trusted.

For over 45 years, AMECA provides **reliable, high-quality products** to a wide range of customers in a variety of industries around the world: aerospace, defense, nuclear, railway, etc.

We are **aware of product and quality standards** and we work in close partnership with our customers to adapt our service and meet their expectations.



EXPERTISE

We have been manufacturing for 45 years: design office & automated production system.



**FRENCH
MANUFACTURER
OF MECHANICAL
FASTENING
SOLUTIONS**



INNOVATION

Products, production and service, we are continuously looking for innovation for our customers.



A PRODUCTION
ADAPTED TO YOUR NEEDS :
MICRO SERIES AND LARGE
VOLUMES



PROXIMITY

We remain at our customers disposal at all times: listening, advising and being flexible to meet your expectations.





AMECOIL[®] TANGLESS

Produced in metric pitch from M2 to M12 and
in US pitch from 2-56 to 3/8

Standard versions

Material : Stainless steel 304 standard Code 01

Material : Stainless steel 304 dry-lube Code 61

Material : Stainless steel 304 silver-plated Code 58

Material : Phosphor Bronze standard Code 63

Material : Phosphor Bronze cadmium Code 03

Material : Inconel standard Code 67

Material : Inconel silver-plated Code 65

Material : Nimonic 90 upon request

Plating & Coating : Passivation upon request



FREE RUNNING

-	Reference	Lenght					Ø ext. when free		Nb of turns when free					Ø Drilling	
		1d	1.5d	2d	2.5d	3d	Min	Max	1d	1.5d	2d	2.5d	3d	Alu	Steel
METRIC															
M2x0.4	0102040...SE	2	3	4	-	-	2,5	2,7	3-1/4	5-1/2	7-3/4	-	-	2,1	2,1
M2.5x0.45	0125045...SE	2,5	3,8	5	6,3	7,5	3,2	3,35	3-3/8	5-3/4	8-1/8	10-1/2	12-3/4	2,55	2,65
M3x0.5	0103050...SE	3	4,5	6	7,5	9	3,8	3,99	3-3/4	6-3/8	8-7/8	11-3/8	13-7/8	3,15	3,2
M4x0.7	0104070...SE	4	6	8	10	12	5,05	5,28	3-5/8	6-1/8	8-5/8	11-1/8	13-5/8	4,2	4,25
M5x0.8	0105080...SE	5	7,5	10	12,5	15	6,2	6,5	4-1/8	6-7/8	9-5/8	12-3/8	15-1/8	5,2	5,3
M6x1	0106100...SE	6	9	12	15	18	7,4	7,78	4	6-3/4	9-1/2	12-1/8	14-7/8	6,25	6,3
M8x1.25	0108125...SE	8	12	16	20	24	9,8	10,18	4-1/2	7-3/8	10-1/4	13-1/4	16-1/8	8,3	8,4
M10x1.5	0110150...SE	10	15	20	25	30	11,95	12,5	4-7/8	8	11-1/8	14-1/4	17-3/8	10,5	10,5
M12x1.75	0112175...SE	12	16	24	30	36	14,3	15	5	8-1/4	11-1/2	14-5/8	17-7/8	12,5	12,5
UNC															
2-56	On demand	0,086	0,129	0,172	0,215	0,258	0,11	0,119	3	5-1/4	7-3/8	9-5/8	11-7/8	.0938"	.0960"
4-40	0110040...SE	0,112	0,168	0,224	0,28	0,336	0,144	0,159	2-3/4	4-3/4	6-3/4	8-7/8	10-7/8	.1200"	.1200"
6-32	0110060...SE	0,138	0,207	0,276	0,345	0,414	0,178	0,193	2-3/4	4-3/4	6-7/8	8-7/8	10-7/8	.1470"	.1495"
8-32	0110080...SE	0,164	0,246	0,328	0,41	0,492	0,205	0,22	3-1/2	6	8-3/8	10-3/4	13-1/4	.1730"	.1770"
10-24	0110100...SE	0,19	0,285	0,38	0,475	0,57	0,244	0,259	2-7/8	5	7-1/8	9-1/4	11-3/8	.2031"	.2055"
1/4-20	0110140...SE	0,25	0,375	0,5	0,625	0,75	0,31	0,33	3-3/8	5-3/4	8	10-3/8	13-1/8	.2660"	.2660"
5/16-18	0115160...SE	0,312	0,469	0,625	0,781	0,938	0,38	0,4	4	6-5/8	9-1/4	11-7/8	14-5/8	.3320"	.3320"
3/8-16	0110380...SE	0,375	0,562	0,75	0,938	1,125	0,452	0,472	4-3/8	7-1/4	10	12-7/8	15-3/4	.3970"	.3970"
UNF															
8-36	On demand	0,06	0,09	0,012	-	-	-	-	3	5-1/2	7-3/8	-	-	.0635"	.0635"
10-32	0120100...SE	0,19	0,285	0,38	0,475	0,57	0,236	0,256	4-1/8	6-7/8	9-1/2	12	14-7/8	.2010"	.2031"
1/4-28	0120140...SE	0,25	0,375	0,5	0,625	0,75	0,306	0,326	5	8-1/4	11-3/8	14-1/2	17-5/8	.2610"	.2638"
5/16-24	0125160...SE	0,312	0,469	0,625	0,781	0,938	0,38	0,4	5-1/2	8-7/8	12-1/4	15-5/8	19	.3281"	.3281"
3/8-24	0120380...SE	0,375	0,562	0,75	0,938	1,125	0,448	0,468	6-7/8	11	15	19-1/8	23-1/8	.3906"	.3906"

AMECOIL® TANGLESS

Produced in metric pitch from M2 to M12 and
in US pitch from 2-56 to 3/8

Screw lock versions

Material : Stainless steel 304 standard Code 02

Material : Stainless steel 304 dry-lube Code 62

Material : Stainless steel 304 silver-plated Code 59

Material : Phosphor Bronze standard Code 64

Material : Phosphor Bronze cadmium Code 04

Material : Inconel standard Code 68

Material : Inconel silver-plated Code 66

Material : Nimonic 90 upon request

Treatment : Passivation upon request



SCREW-LOCK

-	Reference	Lenght					Ø ext. when free		Nb of turns when free					Ø Drilling	
-		1d	1.5d	2d	2.5d	3d	Min	Max	1d	1.5d	2d	2.5d	3d	Alu	Steel
METRIC															
M2x0.4	-	2	3	4	-	-	2,5	2,7	3-1/4	5-1/2	7-3/4	-	-	2,1	2,1
M2.5x0.45	0225045...SE	2,5	3,8	5	6,3	7,5	3,2	3,35	3-3/8	5-3/4	8-1/8	10-1/2	12-3/4	2,55	2,65
M3x0.5	0203050...SE	3	4,5	6	7,5	9	3,8	3,99	3-3/4	6-3/8	8-7/8	11-3/8	13-7/8	3,15	3,2
M4x0.7	0204070...SE	4	6	8	10	12	5,05	5,28	3-5/8	3-1/4	8-5/8	11-1/8	13-5/8	4,2	4,25
M5x0.8	0205080...SE	5	7,5	10	12,5	15	6,2	6,5	4-1/8	6-7/8	9-5/8	12-3/8	15-1/8	5,2	5,3
M6x1	0206100...SE	6	9	12	15	18	7,4	7,78	4	6-3/4	9-1/2	12-1/8	14-7/8	6,25	6,3
M8x1.25	0208125...SE	8	12	16	20	24	9,8	10,18	4-1/2	7-3/8	10-1/4	13-1/4	16-1/8	8,3	8,4
M10x1.5	0210150...SE	10	15	20	25	30	11,95	12,5	4-7/8	8	11-1/8	14-1/4	17-3/8	10,5	10,5
M12x1.75	0212175...SE	12	16	24	30	36	14,3	15	5	8-1/4	11-1/2	14-5/8	17-7/8	12,5	12,5
UNC															
2-56	On demand	0,086	0,129	0,172	0,215	0,258	0,11	0,119	3	5-1/4	7-3/8	9-5/8	11-7/8	.0938"	.0960"
4-40	0210040...SE	0,112	0,168	0,224	0,28	0,336	0,144	0,159	2-3/4	4-3/4	6-3/4	8-7/8	10-7/8	.1200"	.1200"
6-32	0210060...SE	0,138	0,207	0,276	0,345	0,414	0,178	0,193	2-3/4	4-3/4	6-7/8	8-7/8	10-7/8	.1470"	.1495"
8-32	0210080...SE	0,164	0,246	0,328	0,41	0,492	0,205	0,22	3-1/2	6	8-3/8	10-3/4	13-1/4	.1730"	.1770"
10-24	0210100...SE	0,19	0,285	0,38	0,475	0,57	0,244	0,259	2-7/8	5	7-1/8	9-1/4	11-3/8	.2031"	.2055"
1/4-20	0210140...SE	0,25	0,375	0,5	0,625	0,75	0,31	0,33	3-3/8	5-3/4	8	10-3/8	13-1/8	.2660"	.2660"
5/16-18	0215160...SE	0,312	0,469	0,625	0,781	0,938	0,38	0,4	4	6-5/8	9-1/4	11-7/8	14-5/8	.3320"	.3320"
3/8-16	0210380...SE	0,375	0,562	0,75	0,938	1,125	0,452	0,472	4-3/8	7-1/4	10	12-7/8	15-3/4	.3970"	.3970"
UNF															
8-36	On demand	0,06	0,09	0,012	-	-	-	-	3	5-1/2	7-3/8	-	-	.0635"	.0635"
10-32	0220100...SE	0,19	0,285	0,38	0,475	0,57	0,236	0,256	4-1/8	6-7/8	9-1/2	12	14-7/8	.2010"	.2031"
1/4-28	0220140...SE	0,25	0,375	0,5	0,625	0,75	0,306	0,326	5	8-1/4	11-3/8	14-1/2	17-5/8	.2610"	.2638"
5/16-24	0225160...SE	0,312	0,469	0,625	0,781	0,938	0,38	0,4	5-1/2	8-7/8	12-1/4	15-5/8	19	.3281"	.3281"
3/8-24	0220380...SE	0,375	0,562	0,75	0,938	1,125	0,448	0,468	6-7/8	11	15	19-1/8	23-1/8	.3906"	.3906"



Hand fitting tool : the most reliable system to install small diameter.

It reduces the diameter of the insert thread to give it the final diameter of the thread.

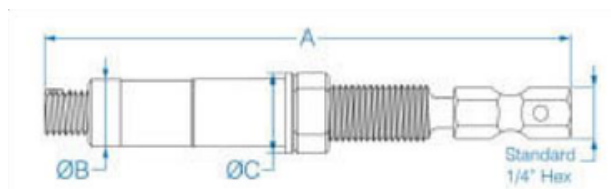
It can be used for the installation of Tangless thread inserts as well as the Tangless self-locking model.

		A mm	B mm	C mm	D mm
METRIC					
M2	-	-	-	-	-
M2.5	0525045SE	190	9,65	58	25,4
M3	0503050SE	190	9,65	58	25
M4	0504070SE	190	9,65	58	25,4
M5	0505080SE	190	11,2	58	25,4
M6	0506100SE	202	11,2	58	32
M8	0508125SE	202	12,7	64	-
M10	0510150SE	202	17,5	75	-
M12	0512175SE	202	21	75	-
UNC					
2-56	0500256SE	190	9,65	58	25
4-40	0500440SE	190	9,65	58	25
6-32	0500632SE	190	9,65	58	25,4
8-32	0500832SE	190	9,65	58	25,4
10-24	0501032SE	190	11,2	58	25,4
1/4-20	0501420SE	202	12,7	64	32
5/16-18	0551618SE	202	16	75	-
3/8-16	0503816SE	202	17,5	75	-
UNF					
10-32	0501032SE	190	12,7	58	25
1/4-28	0501428SE	190	12,7	64	32
5/16-24	0551624SE	190	16	75	-
3/8-24	0503824SE	190	17,5	75	-

SPINDLE FOR MOTORISED EQUIPMENT

Drivers for standard or screw-lock (SL) thread inserts

Quick installation for small series, hand fitting or electric



	STANDARD DRIVER	SL DRIVER	A	B	C	D
METRIC						
M2	3511102040SE	-	69	6,3	9,5	122
M2.5	3511125045SE	3512125045SE	69	6	9,5	122
M3	3511103050SE	3512103050SE	69	7	9,5	122
M4	3511104070SE	3512104070SE	76	9	11	129
M5	3511105080SE	3512105080SE	79	10	11	132
M6	3511106100SE	3512106100SE	79	11	11	132
M8	3511108125SE	3512108125SE	99	13	13	152
M10	3511110150SE	3512110150SE	105	15,5	15,5	158
M12	3511112175SE	3512112175SE	115	17,5	17,5	168
UNC						
2-56	3511100256SE	3511100256SE	2.84"	0.24"	0.37"	5.16"
4-40	3511100440SE	3511100440SE	2.95"	0.24"	0.37"	5.33"
6-32	3511100632SE	3511100632SE	2.94"	0.38"	0.37"	5.36"
8-32	3511100832SE	3511100832SE	2.99"	0.32"	0.37"	5.6"
10-24	3511101024SE	3511101024SE	3.00"	0.38"	0.37"	5.41"
1/4-20	3511101420SE	3511101420SE	3.00"	0.37"	0.44"	5.49"
5/16-18	3511151618SE	3511151618SE		0.71"	0.71"	5.74"
3/8-16	3511103816SE	3511103816SE		0.71"	0.71"	5.76"
UNF						
10-32	3511101032SE	3512101032SE	3.11"	0.38"	0.44"	5.67"

AMECA

RELIABILITY AND SAFETY MANUFACTURER



ZA Le sauvage Mognard - 260 route du Sauvage - 73410 Entrelacs - FRANCE
+33 (0)4 79 54 13 47 - contact@ameca-sa.fr



ameca-sa.fr

