SIMAF

Our Products for metal sheet

1

All our products are in conformance With the directive 2011/65/EU (ROHS2).

2

Our products do not contain material belonging to the list SVHC.

3

They fully respect the rules of REACH.

Special blind rivet nuts on demand.

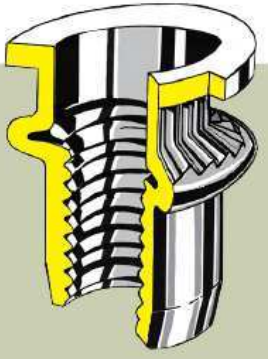
Summary

BE CAREFUL : All our references are not available on stock, please consult us.
NOTA : The dimensions on our documentations are given as indicative. They are not contractuals and can progress.

SERBLOC

ADVANTAGES

When setting, the flutes anchor the SERBLOC nut in the support, giving it considerable clamping strength. Torque. Resistance is higher than that of class 6.8 steel screw..

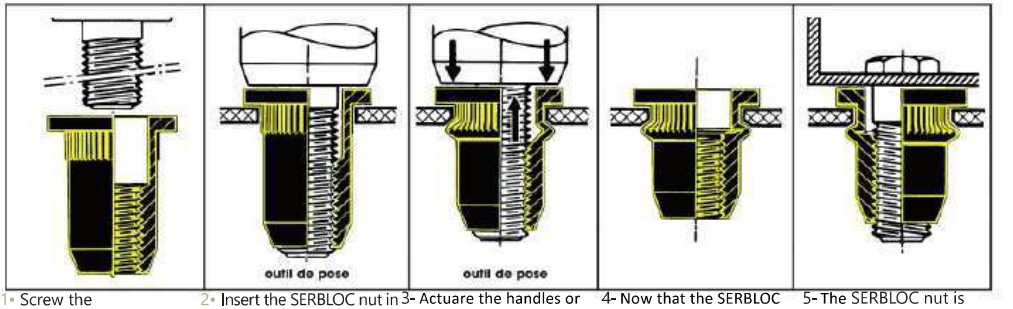


The SERBLOC nut is fluted to allow blind fastening in metal sheets, plastic, wood and other conglomerate material like lamintaed steel Isorel or similar products. AND EVERYWHERE WHEN :

- **– the support is too thin for resistant threading,**
- **– blind mounting is necessary because the other side of the support is unaccessible (tubes-hollow section)**
- **– a removable mounting is required**
- **– crimping of one or several parts that are to be screw-mounted to other parts**
- **– inserting threadingin painted, polished, enamelledpartsis delicate.**
- **Furthermore, recessed threading makes the SERBLOC nut leakproof to fluid and humidity.**

SUPPORT PREPARATION

The cylindrical housing P can be made by punching or drilling. For countersunk heads, provide a countersunk F that allows the SERBLOC to protrude the support surface by 0.1mm. It is essential to respect dimension P in our tables.



1• Screw the SERBLOC nut into the screw rod of the toolabutting in t he machine. nosepiece.

2• Insert the SERBLOC nut in the hole drilled in the support.

3- Actuare the handles or the trigger of the mounting tool. Traction is produced on the threaded section of the SERBLOC nut, causing the cylindrical drum on the mock or blind side to expand fixing the SERBLOCin its support.,

4- Now that the SERBLOC nut is fixed, complete security.is provided. The flutes have penetrated the support to be crimped, anchoring the SERBLOC nut. Unscrew the screw rod of the mounting tool.

5- The SERBLOC nut is ready for screw or attach-ement mounting providing a solid threading in thin or hollow elements

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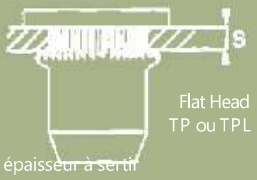
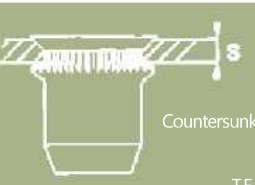
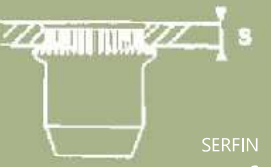
SERBLOC CHOICE

It is important to choose exactly, depending on use :

- the diameter of the screw to be used
- the material and the finish of the SERBLOC
- the type of head standard flat head (TP), large (TPL), countersunk head (TF), SERFIN (S)
- its chracteristics, open or closed for reasons of leakproofing and corrosion
- the thickness to be crimped of the support S determine the SERBLOC reference mentioned on each of our tables and corresponds to the crimping range contained between minimum and maximum thickness tghat the SERBLOC can conveniently crimp.







descriptif	cylindrique ouvert	cylindrique borgne	hexagonale ouvert	hexagonale borgne
SERBLOC	TP-TPL-TF	TPB-TPLB-TFB	FH-FHTR	FHB-FHTRB
SERFIN	S	SB	SFH	SFHB

Standar

FINITION

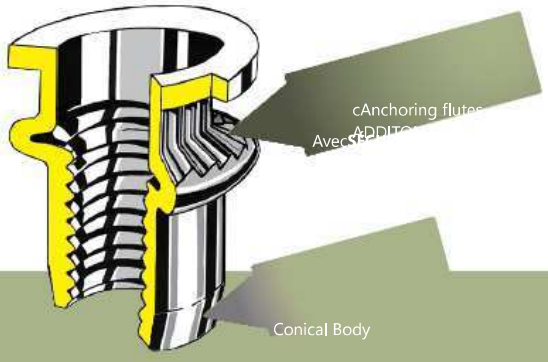
d : Steel Zinc plated / Stainlesss steel
On demand : Brass/Aluminium
Protection : Zinc black, Zinc clear, Zinked and Nickeled, Dacromet, ...

BE CAREFUL : All our references are not available on stock, please consult us.

TECHNICAL CHARACTERISTICS

	couple de serrage (Nm)		charge d'extraction (N)		cisaillement (N)	
M	SERBLOC Acier	SERBLOC Alu	SERBLOC Acier	SERBLOC Alu	SERBLOC Acier	SERBLOC Alu
3	2	0.6	3,950	2,600	1,900	900
4	5	2	5,390	4,215	2,845	1,765
5	12	4	7,740	5,390	4,361	2,59
6	30	8	10,584	5,880	6,270	2,945
8	51	14	15,680	7,750	7,250	4,165
10	70	16	19,110	10,260	7,450	4,560
12	100	38	32,500	14,360	9,600	7,350

SERBLOC



e: **E**

AG

It should be noted that all tests were performed using steel treated bolts with a breaking Load (R) of 2 100 N/mm² and en elastic limite (E) of 1 800 N/mm².

In comparison, standard bolts of soft steel have much lower resistanes :: R=450 N/mm² .

For example, in the recommended tightening torques (C) and tensile load (T) for soft a treated steel bolts. R = 1300N/mm 2.5=900 N/mm²

TIGHTENING TORQUE

Ø	SOFT STEEL		TREATED STEEL		Ø	SOFT STEEL		TREATED STEEL	
de vis	C (Nm)	T (N)	C (Nm)	T (N)	SCREW	C (Nm)	T (N)	C (Nm)	T (N)
4	1.20	1,650	4.20	5,900	8	9.30	6,860	33.60	24,700
5	2.50	2,660	8.10	9,600	10	18.70	10,870	67.20	39,150
6	3.90	3,770	14.00	13,600	12	31.80	15,800	114.00	56,900

Tightening torques and tensile loads on the bolt have been definied at ¾ of the bolt elasti limit for a friction coefficient of 0.,12 corresponding to carefully manufactured , mounted and lubricated bolts. For the same sort of bolt and with a given diameter, tensile loads are proportona tightening torque.

Consequently,if one applies a 20 Nm torque to a soft steel bolt with a diameter of 10, the tensileload will be :

(10870 X 20)/18,7 = 11625 N

Inversely, the torque to a soft steel bolt with a diameter of 10, the tensile load will be :

(18,7 X 9800)/10 870 = 16,8 N

EXTRACTION LOAD (FE)

These vary depending on the thickness of support to be crimped (S) and can be calculated using the following formula :

Fe = 0,5 x S1,5 x D x La

(D = SERBLOC barrel diameter, La= apparent elastici imit).

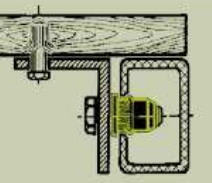
SERBLOC SHEARING RESISTANCE

Figures in the table have been obtained using dimensionally stable sections without the bo

A FEW APPLICATIONS

SERBLOC TYPE TP

Mounting a support on reinforced polyster or other thin plastic sections, as well as laminated or polywood surfaces.



SERBLOC TYPE TP

Mounting a hollow section on a wooden support platform.

Metal office, garden and camping furniture, roller shutter mechanism, etc. ... .

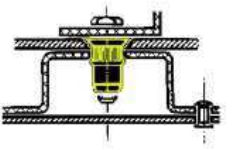
SERBLOC TYPE TP

Boat hulls, top hampers, car bodies, industrial vehicles, kitchen and office fittings, computers, etc.

SERBLOC TYPE TP

Linking a hollow section.

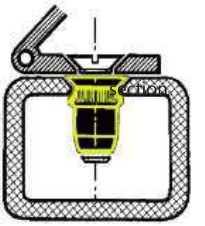
Metal office, garden and camping furniture, roller shutter mechanism, etc.



SERBLOC TYPE TF

Mounting of severla supports with the option of fixing other connected elements.

Protective and decorative internal aven plates, lifts service elevators, tractor cabins ski lift, construction equipment, refrigeration equipment etc, ...



SERBLOC TYPE TF

Blind mounting of SERBLOC TF in a gollow

Refrigerating equipment , household applicances, car bodies, agricultural machinery, metal structures, etc... .

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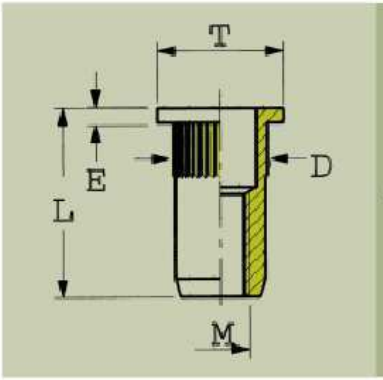
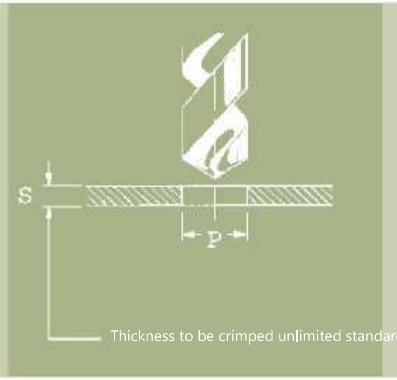
blind rivet nuts
SERBLOC, SERFIN

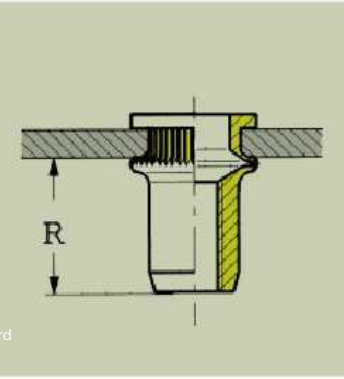
NOTA : For other dimension please consult us.

SERBLOC

FLAT HEAD OPEN END
STEEL Zinc clear TYPE TP
STAINLESS STEEL TYPE TP-X







thread ISO M	Part nber STEEL	Part number ST/STEEL	Grip range r/mm S	D	E	P (0,1/0)	T	L	R
	03 TP 15	03 TP 15 X	0,5-1,5					8.6	
	03 TP 25	03 TP 25 X	1,5-2,5					9.6	
M3	03 TP 35	03 TP 35 X	2,5-3,5	5	0.8	5.1	7	10.6	4.3
	04 TP 15	04 TP 15 X	0,5-1,5					10.5	
	04 TP 30	04 TP 30 X	1,5-3,0					11.3	
M4	04 TP 40	04 TP 40 X	3,0-4,0	6	0.8	6.1	8	12.3	6.2
	05 TP 15	05 TP 15 X	0,5-1,5					11.7	
	05 TP 30	05 TP 30 X	1,5-3,0					13.2	
M5	05 TP 45	05 TP 45 X	3,0-4,5	7	1	7.1	9	14.7	6.7
	06 TP 20	06 TP 20 X	1,0-2,0					14.5	
	06 TP 35	06 TP 35 X	2,0-3,5					16	
M6	06 TP 50	06 TP 50 X	3,5-5,0	9	1.5	9.1	11	17.5	8
	08 TP 25	08 TP 25 X	1,0-2,5					16.3	
	08 TP 40	08 TP 40 X	2,5-4,0					17.8	
M8	08 TP 55	08 TP 55 X	4,0-5,5	11	1.5	11.1	14	19.3	8.8
	10 TP 25	10 TP 25 X	1,0-2,5					19.8	
	10 TP 40	10 TP 40 X	2,5-4,0					21.3	
M10	10 TP 55	10 TP 55 X	4,0-5,5	13	1.5	13.1	16	22.8	11.8
	12 TP 30	12 TP 30 X	1,5-3,0					24.9	
	12 TP 45	12 TP 45 X	3,0-4,5					26.4	
M12	12 TP 60	12 TP 60 X	4,5-6,0	16	2	16.1	20	27.9	15.4

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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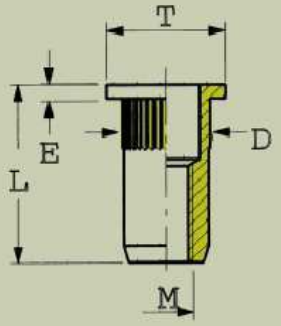
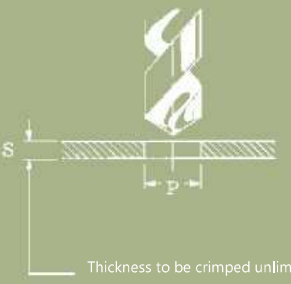
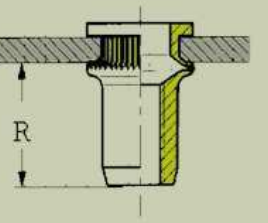
SERBLOC

FLAT HEAD OPEN END
STEEL Zinc plated TYPE TP-FR







thread ISO M	Part number STEEL	Grip range r/mm S	D	E	P (0,1/0)	T	L
M3	3 TP 20 FR	0,5-2,0	5	0.7	5.1	8	10.5
M4	4 TP 30 FR	0,5-3,0	6	0.8	6.1	9	11
M5	5 TP 30 FR	0,5-3,0	7	1	7.1	10	13
M6	6 TP 30 FR	0,5-3,0	9	1.5	9.1	13	16
M8	8 TP 30 FR	0,5-3,0	11	1.5	11.1	16	17.5
M10	10TPL 45 FR	1,5-4,5	13	1.5	13.1	19	24

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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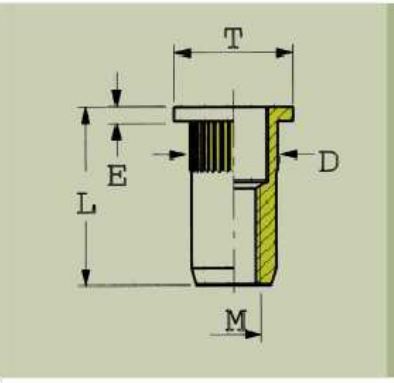
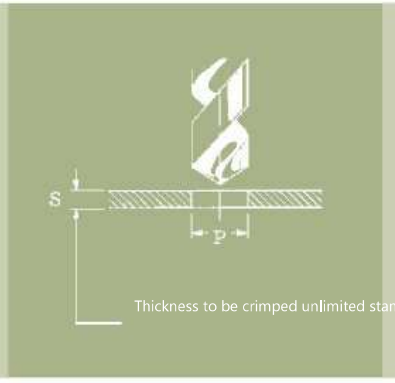
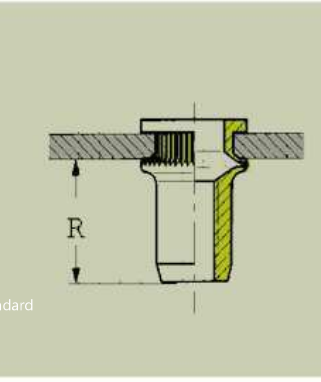
SERBLOC

FLAT HEAD OPEN END
STAINLESS STEEL TYPE TP-FRX





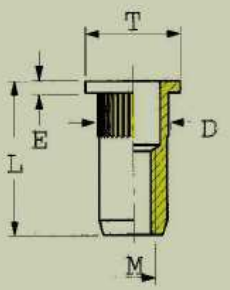


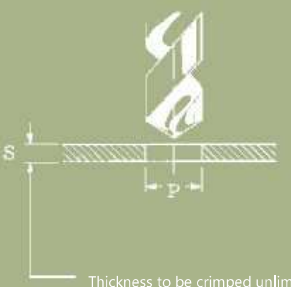
thread ISO M	Part number STEEL	Grip range /mm S	D	E	P (0,1/0)	T	L
M4	4TP25FRX	0,3 à 2,5	5.95	1	6	9	12
M5	5TP30FRX	0,3 à 3	6.95	1	7	10	13
M6	6TP30FRX	0,5 à 3	8.95	1.5	9	12	15.5
M8	8TP30FRX	0,5 à 3	10.95	1.5	11	15	17.5

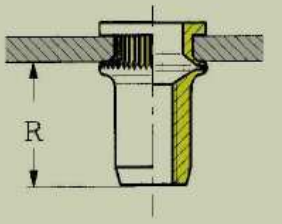
* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

SERBLOC

FLAT HEAD OPEN END
STAINLESS STEEL A4 TYPE TP-FRX







thread ISO M	Part number	Grip range/mm S	D	E	P (+ 0,1/0)	T	L
3	3TP20FRXA4	0,3 à 2	4,95	0,8	5	8	9
4	4TP25FRXA4	0,3 à 2,5	5,95	1	6	9	12
5	5TP30FRXA4	0,3 à 3	6,95	1	7	10	13
6	6TP30FRXA4	0,5 à 3	8,95	1,5	9	12	15,5
8	8TP30FRXA4	0,5 à 3	10,95	1,5	11	15	17,5

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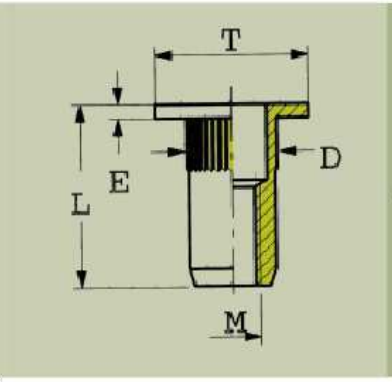
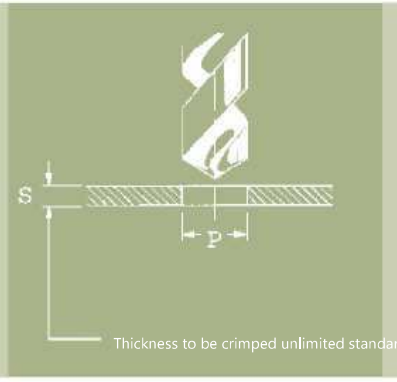
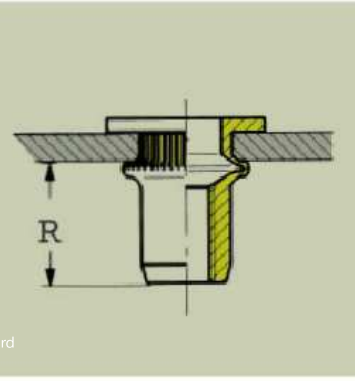
SERBLOC

LARGE FLAT HEAD OPEN END
STEEL Zinc plated TYPE TPL
STAINLESS STEEL TYPE TPL-X







thread ISO M	Part numbe STEEL	Part number ST/STEEL	Egrip range/ S	D	E	P (0,1/0)	T	L	R
	03 TPL 15	03 TPL 15 X	0,5-1,5					8.6	
	03 TPL 25	03 TPL 25 X	1,5-2,5					9.6	
M3	03 TPL 35	03 TPL 35 X	2,5-3,5	5	0.8	5.1	7	10.6	4.3
	04 TPL 15	04 TPL 15 X	0,5-1,5					10.5	
	04 TPL 30	04 TPL 30 X	1,5-3,0					11.3	
M4	04 TPL 40	04 TPL 40 X	3,0-4,0	6	0.8	6.1	8	12.3	6.2
	05 TPL 15	05 TPL 15 X	0,5-1,5					11.7	
	05 TPL 30	05 TPL 30 X	1,5-3,0					13.2	
M5	05 TPL 45	05 TPL 45 X	3,0-4,5	7	1	7.1	9	14.7	6.7
	06 TPL 20	06 TPL 20 X	1,0-2,0					14,5	
	06 TPL 35	06 TPL 35 X	2,0-3,5					16	
M6	06 TPL 50	06 TPL 50 X	3,5-5,0	9	1,5	9,1	13	17,5	8
	08 TPL 25	08 TPL 25 X	1,0-2,5					16,3	
	08 TPL 40	08 TPL 40 X	2,5-4,0					17,8	
M8	08 TPL 55	08 TPL 55 X	4,0-5,5	11	1,5	11,1	16	19,3	8,8
	10 TPL 25	10 TPL 25 X	1,0-2,5					19,8	
	10 TPL 40	10 TPL 40 X	2,5-4,0					21,3	
M10	10 TPL 55	10 TPL 55 X	4,0-5,5	13	1,5	13,1	19	22,8	11,8
	12 TPL 30	12 TPL 30 X	1,5-3,0					24,9	
	12 TPL 45	12 TPL 45 X	3,0-4,5					26,4	
M12	12 TPL 60	12 TPL 60 X	4,5-6,0	16	2,0	16,1	23	27,9	15,4

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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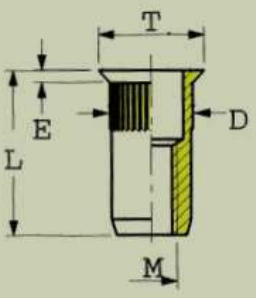
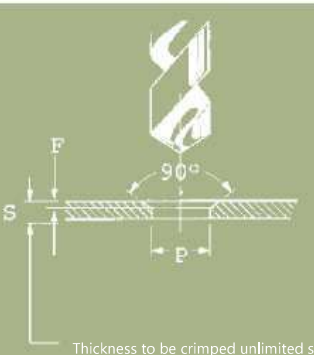
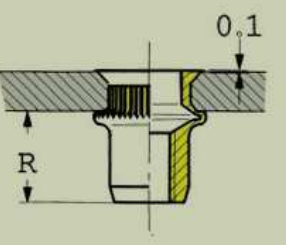
SERBLOC

COUNTERSUNK HEAD OPEN END
STEEL Zinc plated TYPE TF
STAINLESS STEEL TYPE TF-X







thread ISO M	Part numbe STEEL	part number ST/ STEEL	Grip range ir/mm S	D	E	P (0,1/0)	T	L	R	F
	03 TF 20	03 TF 20 X	1,0-2,0					8.3		
M3	03 TF 30	03 TF 30 X	2,0-3,0	5	1	5.1	7	9.3	4.3	0,7
	04 TF 20	04 TF 20 X	1,0-2,0					9.5		
	04 TF 30	04 TF 30 X	2,0-3,0					10.5		
M4	04 TF 40	04 TF 40 X	3,0-4,0	6	1	6.1	8	11.5	6.2	0,9
	05 TF 20	05 TF 20 X	1,0-2,0					10.5		
	05 TF 30	05 TF 30 X	2,0-3,0					11.5		
M5	05 TF 40	05 TF 40 X	3,0-4,0	7	1	7.1	9	12.5	6.7	0,9
	06 TF 20	06 TF 20 X	1,0-2,0					13		
	06 TF 35	06 TF 35 X	2,0-3,5					14.5		
M6	06 TF 50	06 TF 50 X	3,5-5,0	9	1	9.1	11	16	8	0,9
	08 TF 30	08 TF 30 X	1,5-3,0					15.3		
	08 TF 45	08 TF 45 X	3,0-4,5					16.8		
M8	08 TF 60	08 TF 60 X	4,5-6,0	11	1.5	11.1	14	18.3	8.8	1,4
	10 TF 35	10 TF 35 X	2,0-3,5					19.3		
	10 TF 50	10 TF 50 X	3,5-5,0					20.8		
M10	10 TF 65	10 TF 65 X	5,0-6,5	13	1.5	13.1	16	22.3	11.8	1,4
	12 TF 40	12 TF 40 X	2,0-4,0					23.9		
	12 TF 55	12 TF 55 X	4,0-5,5					25.4		
M12	12 TF 70	12 TF 70 X	5,5-7,0	16	2	16.1	20	26.9	20.4	1,9

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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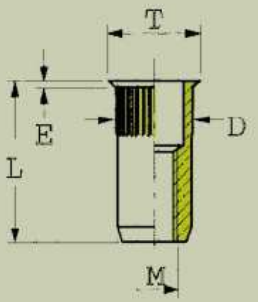
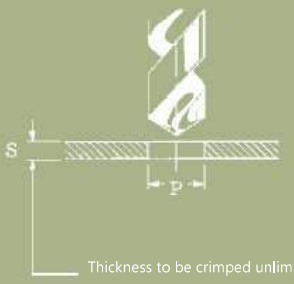
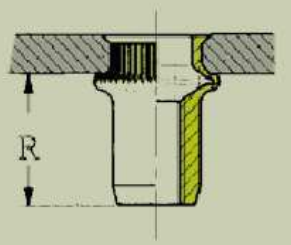
SERFIN

FLUSH HEAD OPEN END
STEEL Zinc clear TYPE S
STAINLESS STEEL TYPE S-X







thread ISO M	Part numbe STEEL	Part number ST/STEEL	Egrip range /mm S	D	E	T	L	P (0,1/0)	R
	S3	S3X	0,5-2,0	4.7	0.4	5.5	8.5	4.8	4.5
M3	S3A	S3AX	0,5-2,0	5	0.4	5.8	8.3	5.1	4.3
	S4	S4X	0,5-2,0	6.3	0.4	7.1	10.2	6.4	6
M4	S4A	S4AX	0,5-2,0	6	0.4	6.8	9.5	6.1	5.5
	S5	S5X	0,5-2,0	7.1	0.5	8	12	7.2	7.8
M5	S5A	S5AX	0,5-2,0	7	0.5	8	11.2	7.1	7.2
	S6	S6X	1,0-3,0	9.4	0.6	10.4	14	9.5	9
M6	S6A	S6AX	1,0-2,0	9	0.5	10	13	9.1	8.5
	S8	S8X	1,0-3,0	12.6	0.6	13.6	14.5	12.7	9.3
	S8A	S8AX	1,0-3,0	10.5	0.6	11.3	15.5	10.6	10
	S8A-60		4,0-6,0	10.5	0.6	11.5	18.5	10.6	13.5
	S8B	S8BX	1,0-3,0	11	0.5	12	14.2	11.1	10.3
M8	S8B-45		3,0-4,5	11	0.5	12	16.8	11.1	12.3
	S10	S10X	1,0-3,0	14.1	0.7	15.2	18	14.2	13.3
M10	S10A	S10AX	1,0-3,5	13	0.7	14.4	19.3	13.1	15
	S12	S12X	1,4-4,0	16.1	0.7	17.2	19	16.2	14.5
M12	S12A	S12AX	1,4-4,0	16	0.7	17.4	23.9	16.1	19.5

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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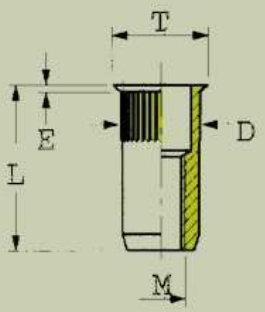
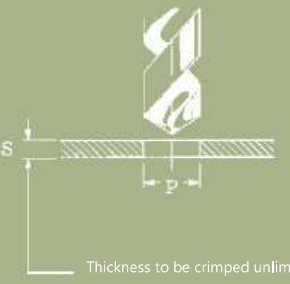
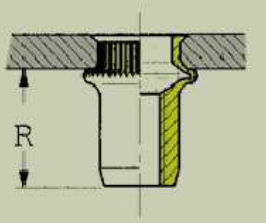
SERFIN

FLAT HEAD OPEN END
STEEL Zinc plated TYPE S-FR







Tthred ISO M	Part number STEEL	Grip range// S	D	E	P (0,1/0)	T	L
M3	S3 AFR	0,5-2,0	5	0.4	5.1	5.7	9
M4	S4 FR	0,5-2,0	6.3	0.46	6.4	7.2	10.5
M4	S4A FR	0,5-2,0	6	0.46	6.1	7	10
M5	S5 FR	0,5-3,0	7.1	0.5	7.2	8.1	12
M5	S5A FR	0,5-3,0	7	0.5	7.1	8	12
M6	S6 FR	1,0-3,2	9.4	0.6	9.5	10.4	15.1
M6	S6A FR	1,0-3,2	9	0.5	9.1	10	15
M8	S8 FR	1,0-3,5	12.6	0.6	12.7	13.7	17.1
M8	S8A FR	1,0-3,5	10.5	0.6	10.6	11.5	16
M8	S8BFR	1,0-3,5	11	0.6	11.1	12	16

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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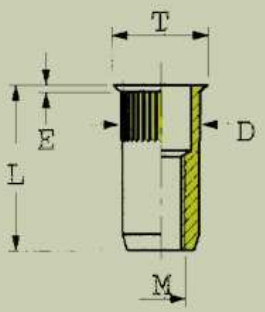
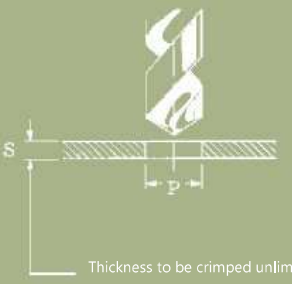
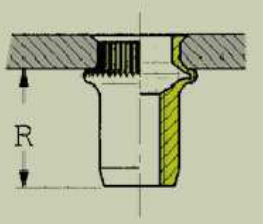
SERFIN

FLUSH HEAD OPEN END
STAINLESS STEEL TYPE S-FRX







tthred ISO M	Paert numnE STEEL	Grip range//mm S	D	E	P (0,1/0)	T	L
M4	S4AFRX	0,5 à 2,5	5.9	0.5	6	7	11
M5	S5AFRX	0,5 à 3	6.9	0.5	7	8	12
M6	S6AFRX	0,5 à 3	8.9	0.5	9	10	14
M8	S8AFRX	0,5 à 3	10.5	0.5	10.6	11.6	16
M8	S8BFRX	0,5 à 3	10.9	0.5	11	12	16

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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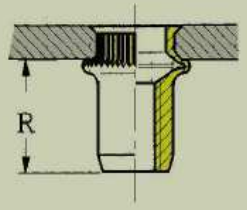
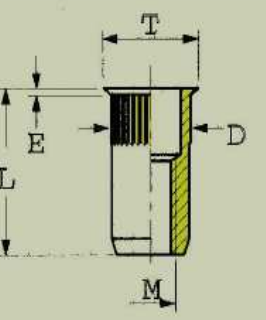
SERFIN

FLUSH HEAD OPEN END
STAINLESS STEEL A4 TYPE S-FRX





thread ISO M	Part number STEEL	Grip range/mr S	D	E	P (+ 0,1)	T	L
3	S3AFRXA4	0.5-2	4,9	0,5	5	6	9
4	S4AFRXA4	0,5 à 2,5	5,9	0,5	6	7	11
5	S5AFRXA4	0,5 à 3	6,9	0,5	7	8	12
6	S6AFRXA4	0,5 à 3	8,9	0,5	9	10	14
8	S8BFRXA4	0,5 à 3	10,9	0,5	11	12	16

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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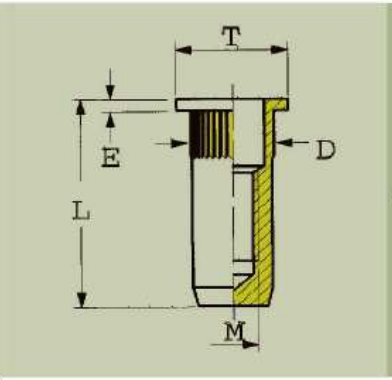
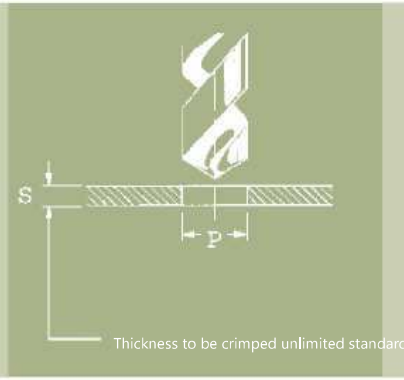
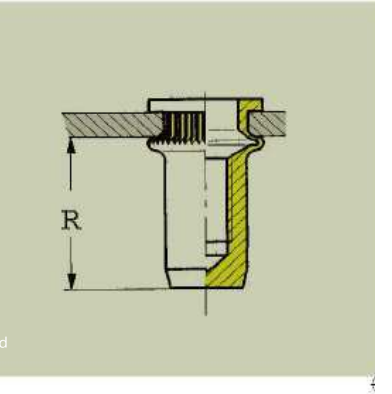
SERBLOC

FLAT HEAD CLOSED END
STEEL Zinc Clear TYPE TPB
STAINLESS STEEL TYPE TPB-X





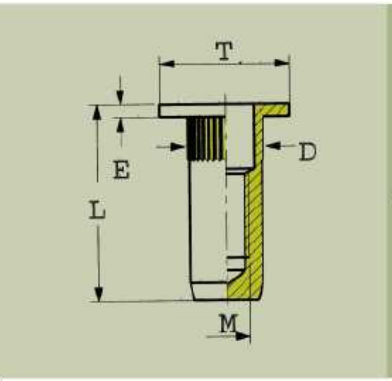


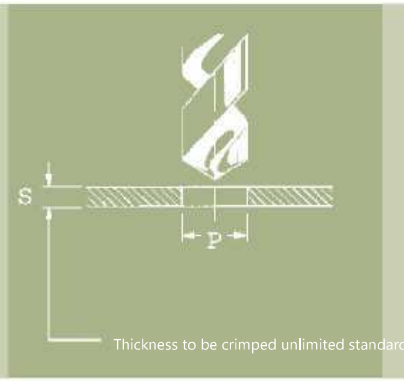
thread ISO M	Part numbe STEEL	Part number ST/STEEL	Grip range/mm S	D	E	P (0,1/0)	T	L	R
	03 TPB 15	03 TPB 15 X	0,5-1,5					12	
	03 TPB 25	03 TPB 25 X	1,5-2,5					13	
M3	03 TPB 35	03 TPB 35 X	2,5-3,5	5	0.8	5.1	7	14	7.7
	04 TPB 15	04 TPB 15 X	0,5-1,5					14.8	
	04 TPB 30	04 TPB 30 X	1,5-3,0					14.8	
M4	04 TPB 40	04 TPB 40 X	3,0-4,0	6	0.8	6.1	8	15.8	10.5
	05 TPB 15	05 TPB 15 X	0,5-1,5					17.2	
	05 TPB 30	05 TPB 30 X	1,5-3,0					18.7	
M5	05 TPB 45	05 TPB 45 X	3,0-4,5	7	1	7.1	9	120.2	12.2
	06 TPB 20	06 TPB 20 X	1,0-2,0					20.5	
	06 TPB 35	06 TPB 35 X	2,0-3,5					22	
M6	06 TPB 50	06 TPB 50 X	3,5-5,0	9	1.5	9.1	11	23.5	14
	08 TPB 25	08 TPB 25 X	1,0-2,5					22.3	
	08 TPB 40	08 TPB 40 X	2,5-4,0					23.8	
M8	08 TPB 55	08 TPB 55 X	4,0-5,5	11	1.5	11.1	14	25.3	14.8
	10 TPB 25	10 TPB 25 X	1,0-2,5					226	
	10 TPB 40	10 TBP 40 X	2,5-4,0					27.5	
M10	10 TPB 55	10 TPB 55 X	4,0-5,5	13	1.5	13.1	16	29	18
	12 TPB 30	12 TPB 30 X	1,5-3,0					34	
	12 TPB 45	12 TPB 45 X	3,0-4,5					35.5	
M12	12 TPB 60	12 TPB 60 X	4,5-6,0	16	2	16.1	20	37	24.5

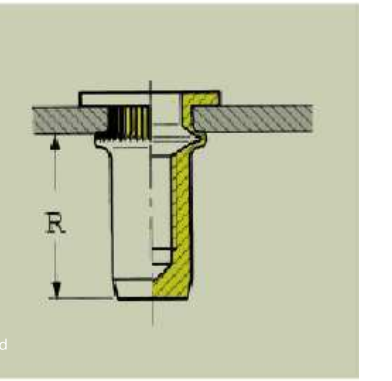
* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

SERBLOC

LARGE FLAT HEAD CLOSED END
STEEL Zinc plated TYPE TPLB
STAINLESS STTEL TYPE TPLB-X







thread ISO M	Part numbe STEEL	PART NUMBE ST/STEEL	Grip range /mm S	D	E	P (0,1/0)	T	L	R
	03 TPLB 15	03 TPLB 15 X	0,5-1,5					12	
	03 TPLB 25	03 TPLB 25 X	1,5-2,5					13	
M3	03 TPLB 35	03 TPLB 35 X	2,5-3,5	5	0.8	5.1	7	14	7.7
	04 TPLB 15	04 TPLB 15 X	0,5-1,5					14.8	
	04 TPLB 30	04 TPLB 30 X	1,5-3,0					14.8	
M4	04 TPLB 40	04 TPLB 40 X	3,0-4,0	6	0.8	6.1	8	15.8	10.5
	05 TPLB 15	05 TPLB 15 X	0,5-1,5					17.2	
	05 TPLB 30	05 TPLB 30 X	1,5-3,0					18.7	
M5	05 TPLB 45	05 TPLB 45 X	3,0-4,5	7	1	7.1	9	120.2	12.2
	06 TPLB 20	06 TPLB 20 X	1,0-2,0					20.5	
	06 TPLB 35	06 TPLB 35 X	2,0-3,5					22	
M6	06 TPLB 50	06 TPLB 50 X	3,5-5,0	9	1.5	9.1	11	23.5	14
	08 TPLB 25	08 TPLB 25 X	1,0-2,5					22.3	
	08 TPLB 40	08 TPLB 40 X	2,5-4,0					23.8	
M8	08 TPLB 55	08 TPLB 55 X	4,0-5,5	11	1.5	11.1	14	25.3	14.8
	10 TPLB 25	10 TPLB 25 X	1,0-2,5					226	
	10 TPLB 40	10 TBP 40 X	2,5-4,0					27.5	
M10	10 TPLB 55	10 TPLB 55 X	4,0-5,5	13	1.5	13.1	16	29	18
	12 TPLB 30	12 TPLB 30 X	1,5-3,0					34	
	12 TPLB 45	12 TPLB 45 X	3,0-4,5					35.5	
M12	12 TPLB 60	12 TPLB 60 X	4,5-6,0	16	2	16.1	20	37	24.5

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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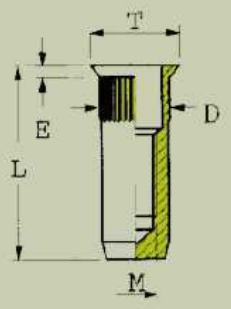
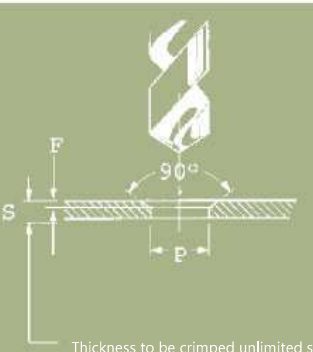
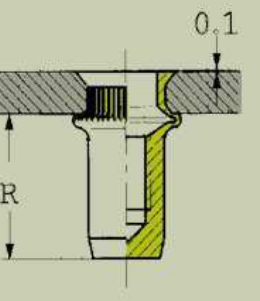
SERBLOC

COUNTERSUNK HEAD CLOSED END
STEEL Zinc plated TYPE TFB
STAINLESS STEEL TYPE TFB-X







thread ISO M	Part numbe STEEL	Part number ST/STEEL	Grip range /mm S	External Ø D	Head thickness E	Ø hole P	Ø head T	length L	R	Countersu head F
	03 TFB 20	03 TFB 20 X	1,0-2,0					11.7		
M3	03 TFB 30	03 TFB 30 X	2,0-3,0	5	1	5.1	7	12.7	8.2	0,7
	04 TFB 20	04 TFB 20 X	1,0-2,0					13		
	04 TFB 30	04 TFB 30 X	2,0-3,0					14		
M4	04 TFB 40	04 TFB 40 X	3,0-4,0	6	1	6.1	8	15	9	0,9
	05 TFB 20	05 TFB 20 X	1,0-2,0					16.7		
	05 TFB 30	05 TFB 30 X	2,0-3,0					17.7		
M5	05 TFB 40	05 TFB 40 X	3,0-4,0	7	1	7.1	9	18.7	11.5	0,9
	06 TFB 20	06 TFB 20 X	1,0-2,0					21		
	06 TFB 35	06 TFB 35 X	2,0-3,5					23		
M6	06 TFB 50	06 TFB 50 X	3,5-5,0	9	1	9.1	11	24.5	14.6	0,9
	08 TFB 30	08 TFB 30 X	1,5-3,0					21.3		
	08 TFB 45	08 TFB 45 X	3,0-4,5					22.8		
M8	08 TFB 60	08 TFB 60 X	4,5-6,0	11	1.5	11.1	14	24.3	15.8	1,4
	10 TFB 35	10 TFB 35 X	2,0-3,5					25.3		
	10 TFB 50	10 TFB 50 X	3,5-5,0					26.8		
M10	10 TFB 65	10 TFB 65 X	5,0-6,5	13	1.5	13.1	16	28.3	19	1,4
	12 TFB 40	12 TFB 40 X	2,0-4,0					32.9		
	12 TFB 55	12 TFB 55 X	4,0-5,5					34.4		
M12	12 TFB 70	12 TFB 70 X	5,5-7,0	16	2	16.1	20	35.9	23.3	1,9

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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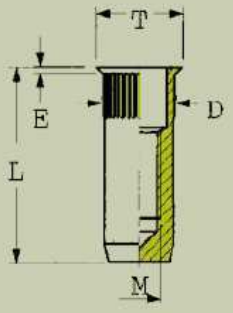
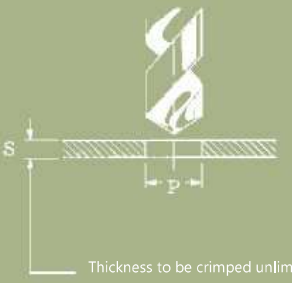
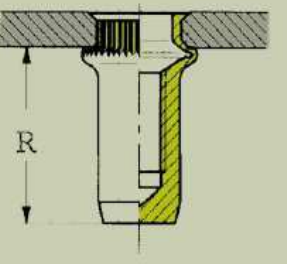
SERFIN

FLUSH HEAD CLOSED END
STEEL zinc plated
TYPE SB TYPE SB-X







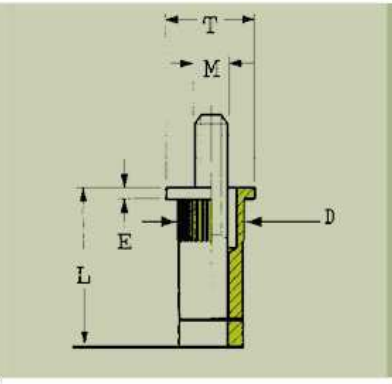
Thread ISO M	Part numbe STEEL	Part number STAINLESS STEEL	Grip range /mm S	D	E	T	L	P (0,1/0)	R
	SB3	SB3X	0,5-2,0	4.7	0.4	5.5	12.3	4.8	8.3
M3	SB3A	SB3AX	0,5-2,0	5	0.4	5.8	11.7	5.1	7.7
	SB4	SB4X	0,5-2,0	6.3	0.4	7	14	6.4	9.8
M4	SB4A	SB4AX	0,5-2,0	6	0.4	6.8	13	6.1	9
	SB5	SB5X	0,5-2,0	7.1	0.5	8	17.5	7.2	13.3
M5	SB5A	SB5AX	0,5-2,0	7	0.5	8	16.7	7.1	12.7
	SB6	SB6X	1,0-3,0	9.4	0.6	10.4	20	9.5	15
M6	SB6A	SB6AX	1,0-2,0	9	0.5	10	19	9.1	14.5
	SB8	SB8X	1,0-3,0	12.6	0.6	13.6	20.5	12.7	15.3
	SB8A	SB8AX	1,0-3,0	10.5	0.6	11.3	21.5	10.6	16
M8	SB8B	SB8BX	1,0-3,0	11	0.5	12	21.3	11.1	16.3
	SB10	SB10X	1,0-3,0	14.1	0.7	15.2	24.5	14.2	19.8
M10	SB10A	SB10AX	1,0-3,5	13	0.7	14.4	25.3	13.1	21
	SB12	SB12X	1,4-4,0	16.1	0.7	17.2	25.5	16.2	21
M12	SB12A	SB12AX	1,4-4,0	16	0.7	17.4	32.9	16.1	28.5

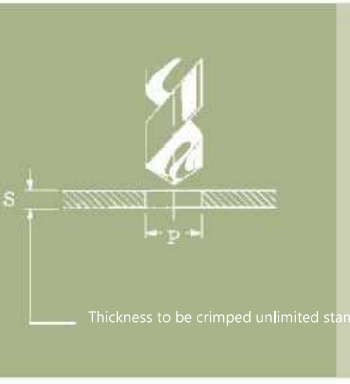
* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

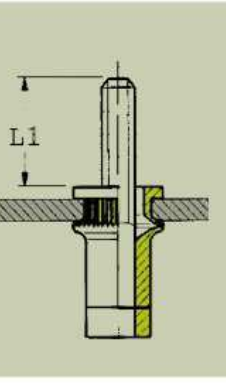
Simaf-toles-FAB.indd 22 4/07/14 14:48:11

SERBLOC

STUD FLAT HEAD
STEEL Zinc plated TYPE G-TP







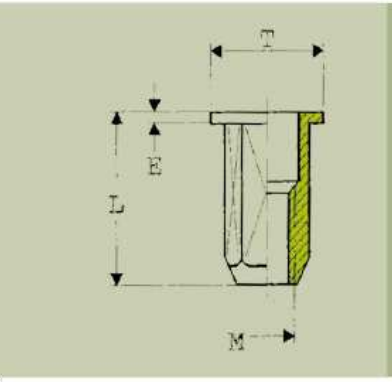
thread ISO M	Part number STEEL	Grip range/mr S	D	E	P	L	L1	T
	G4TP15	0.5 à 1.5				15.00	10	
	G4TP30	1.5 à 3.0				16.50	12	
M4	G4TP40	3.0 à 4.0	6	0.8	6.1	18.00	15	8
	G5TP15	0.5 à 1.5				17.00	10	
	G5TP30	1.5 à 3.0				18.50	12	
M5	G5TP45	3.0 à 3.5	7	1	7.1	20.00	15	9
	G6TP20	1.0 à 2.0				20.00	10	
	G6TP35	2.0 à 3.5				21.50	15	
M6	G6TP50	3.5 à 5.0	9	1.5	9.1	23.00	20	11
	G8TP25	1.0 à 2.0				21.00	10	
	G8TP40	2.0 à 3.5				22.50	15	
M8	G8TP55	3.5 à 5.0	11	1.5	11.1	24.00	20	14

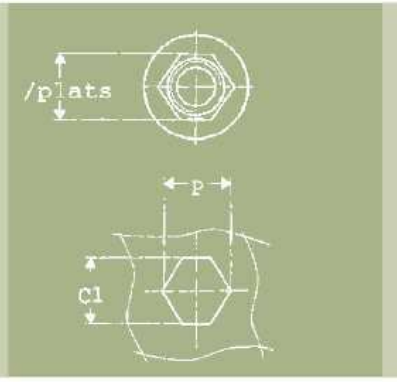
* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

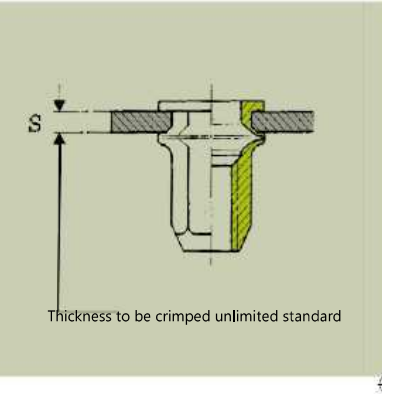
Simaf-toles-FAB.indd 23 4/07/14 14:48:12

SERBLOC

HEXAGONAL FLAT HEAD OPEN END
STEEL Zinc plated TYPE FH and FHL







thread ISO M	Part numbr STEEL	Across flat C (+0,15/0)	Grip range r/mm S	E ± 0,3	T ± 1	L ± 1	hole (=0,15/0) C1
M4	FH4	5.97	0,5-2,0	0.8	9	10.5	6,1
	FHL4	5.97	1,5-4,0	0.8	9	12.5	6,1
M5	FH5	6.97	0,5-2,5	1	10	12.5	7,1
	FHL5	6.97	2,0-4,5	1	10	14.5	7,1
M6	FH6	8.97	0,5-3,0	1.2	12.5	16	9,1
	FHL6	8.97	2,5-5,5	1.2	12.5	18.5	9,1
M8	FH8	11	0,5-3,5	1.3	15	17	11,1
	FHL8	11	3,0-6,0	1.3	15	19.5	11,1
M10	FH10	12.97	0,5-3,5	1.7	18	21.5	13,1
	FHL10	12.97	3,0-6,0	1.7	18	24	13,1

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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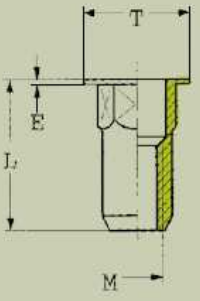
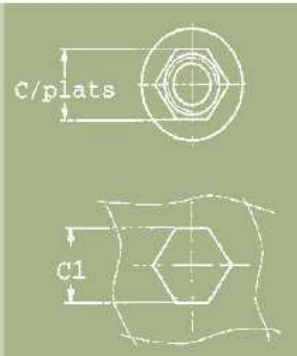
SERBLOC

HEXAGONAL FLAT HEAD OPEN END
STAINLESS STEEL TYPE FH-FRX





thread ISO M	Part number STEEL	Grip ranger/mi S	Across flat C	E	hole (0,1) C1	T	L
M4	FH4FRX	0,3 à 2,5	6	1	6.1	9	11
M5	FH5FRX	0,3 à 3,0	7	1	7.1	10	12
M6	FH6FRX	0,5 à 3,0	9	1.5	9.1	12	14
M8	FH8FRX	0,5 à 3,0	11	1.5	11.1	15	16
M10	FH10FRX	1,0 à 3,5	13	2	13.1	16.5	19

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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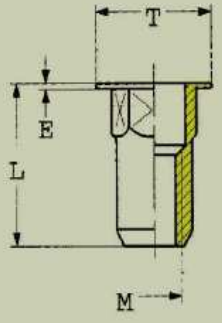
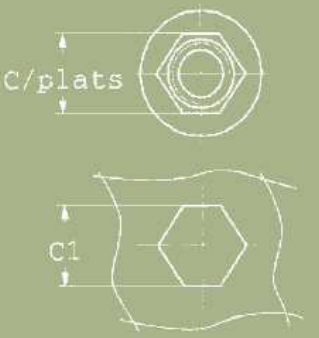
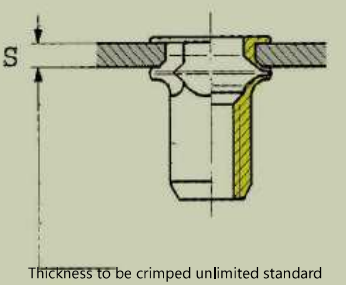
SERBLOC

HEXAGONAL FLAT HEAD OPEN END
STAINLESS STEEL A4 TYPE FH-FRX







Thickness to be crimped unlimited standard

thread ISO M	Part number	Grip ranger/mr S	Across flat C	E	hole C1 (0,1)	T	L
4	FH4FRXA4	0,5 à 2,5	6	1	6,1	9	11
5	FH5FRXA4	0,5 à 3,0	7	1	7,1	10	12
6	FH6FRXA4	0,5 à 3,0	9	1,5	9,1	12	14
8	FH8FRXA4	0,5 à 3,0	11	1,5	11,1	14,5	16
10	FH10FRXA4	1,0 à 3,5	13	2	13,1	16,5	19

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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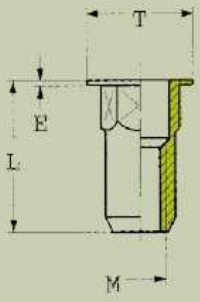
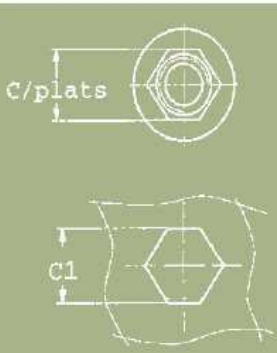
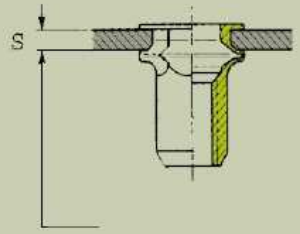
SERBLOC

FLUSH HEAD OPEN END
STEEL Zinc clear TYPE FHTR







Thickness to be crimped unlimited standard

thread ISO M	Part numner STEEL	Grip range/mm S	Across fl C	E	hole. (0,1) C1	T	L
M4	FHTR4	0,5-2	6.35	0.6	6.4	8	10.5
M5	FHTR5	0,5-3	7.25	0.6	7.3	9	11.5
M6	FHTR6	0,5-3	9.65	0.6	9.7	12	14.5
M8	FHTR8	0,5-3	10.65	0.6	10.7	13	16

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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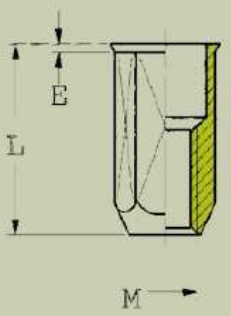
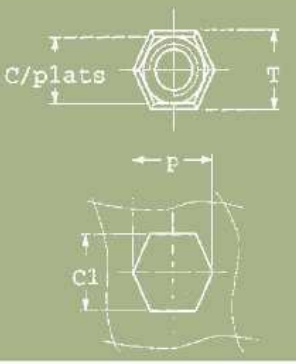
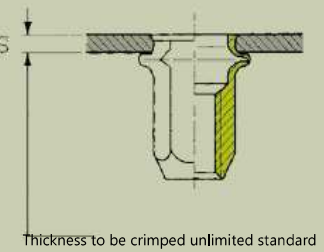
SERFIN

REDUCED HEAD OPEN END
STEEL Zinc plated TYPE SFH et SFHL







Thickness to be crimped unlimited standard

Thread ISO M	Part numne STEEL	Grip range mn S	Across flat C	Thicknes the head E	hole 0.1 C1 (0/+0.1)	T	length L	Hole Ø P
M4	SFH4	0,5-2,0	5,97	0,5	6	6,7	10	6,8
M4	SFHL4	1,5-4,0	5,97	0,5	6	6,7	12,2	6,8
M5	SFH5	0,5-2,5	6,97	0,6	7	8	12	7,85
M5	SFHL5	2,0-4,5	6,97	0,6	7	8	14,5	7,85
M6	SFH6	0,5-3,0	8,97	0,6	9	10	15	9,95
M6	SFHL6	2,5-5,5	8,97	0,6	9	10	18	9,95
M8	SFH8	0,5-3,5	10,97	0,6	11	12	17,5	12,15
M8	SFHL8	3,0-6,0	10,97	0,6	11	12	19	12,15
M10	SFH10	0,5-3,5	12,97	0,9	13	14,5	23	14,25
M10	SFHL10	3,0-6,0	12,97	0,9	13	14,5	25	14,25
M12	SFH12	0,5-3,5	15,97	0,9	16	18,5	25	17,4
M12	SFHL12	3,0-6,5	15,97	0,9	16	18,5	28	17,4

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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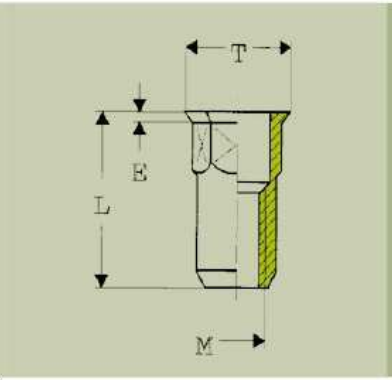
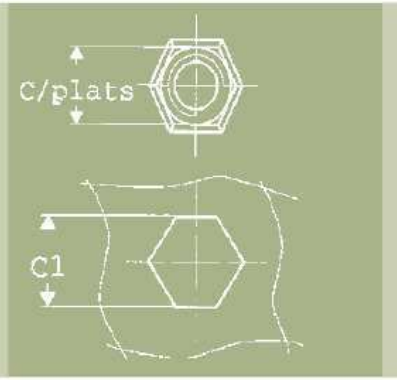
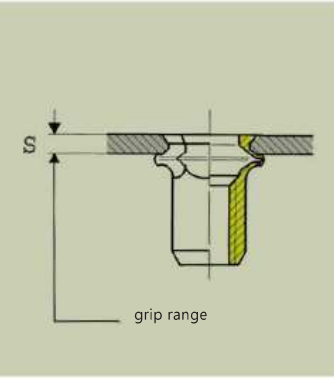
SERFIN

REDUCED HEAD HALF HEXAGONAL OPEN END
STEEL Zinc plated TYPE SH-FR







thread ISO M	Part number STEEL	Grip range r/mn S	Across flat C	E	Hole (0,1) C1	T	L
M3	SH3FR	0,5 à 2	4.9	0.5	5	6	9.3
M4	SH4FR	0,5 à 2	5.9	0.5	6	6.8	10.5
M5	SH5FR	0,5 à 3,0	6.9	0.5	7	8	11.7
M6	SH6FR	0,5 à 3,0	8.9	0.5	9	10	14.5
M8	SH8FR	0,5 à 3,0	10.9	0.5	11	14	16.5
M10	SH10FR	1,0 à 3,5	12.9	0.8	13	14.2	20

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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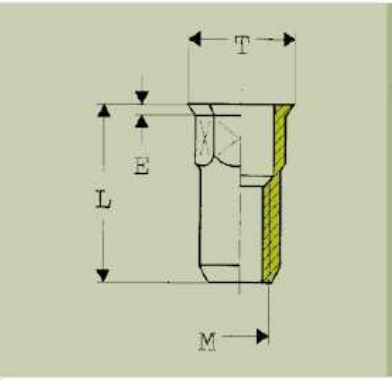
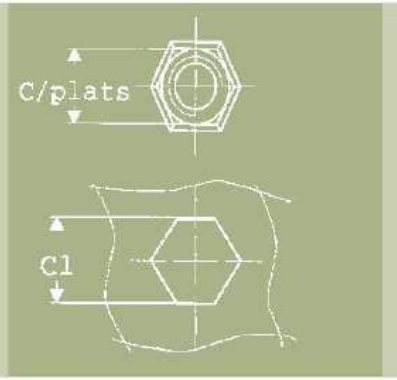
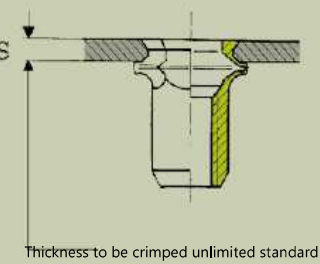
SERFIN

REDUCED HEAD HEXAGONAL OPEN END STAINLESS STEEL TYPE SH-FRX







Thickness to be crimped unlimited standard

thread ISO M	Part numner STEEL	Grip range //mm S	Across flat C	E	hole (-0,1) C1	T	L
M3	SH3FRX	0,5 à 1,5	4.9	0.35	5	5.6	8.5
M3	SH3LFRX	1,5 à 2,5	4.9	0.35	5	5.6	10
M4	SH4FRX	0,5 à 2,5	6	0.5	6.1	7	11
M5	SH5FRX	0,5 à 3,0	7	0.5	7.1	8	12
M6	SH6FRX	0,5 à 3,0	9	0.5	9.1	10	14
M8	SH8FRX	0,5 à 3,0	11	0.5	11.1	12	16
M10	SH10FRX	1,0 à 3,5	13	0.7	13.1	14.2	19

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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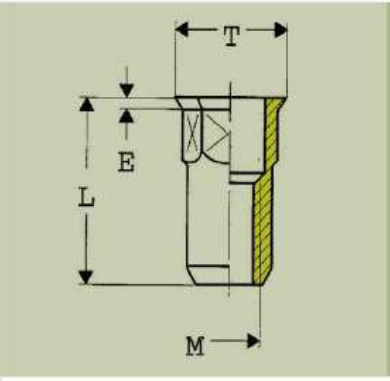
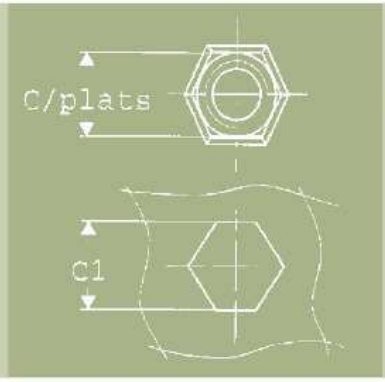
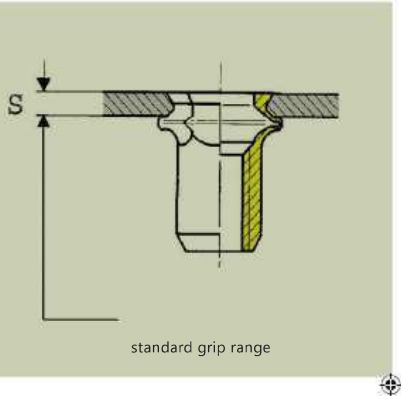
SERFIN

REDUCED HEAD HEXAGONAL OPEN END
STAINLESS STEEL A4 TYPE SH-FRX





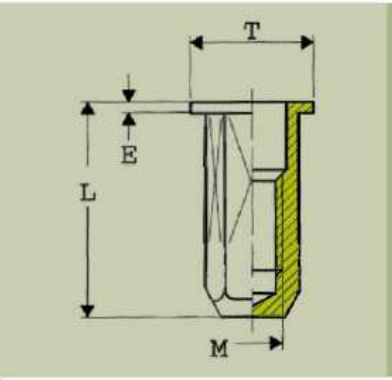


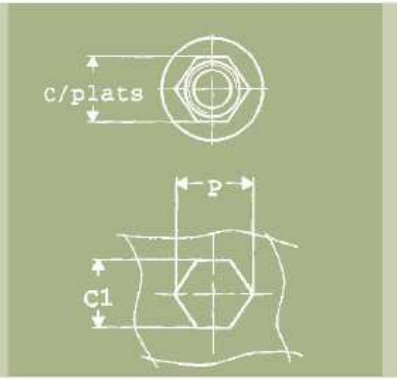
thread ISO M	Part number	Grip range r/mm S	Across flat	E	hole C1 (-0,1)	T	L
3	SH3FRXA4	0,5 à 1,5	4.9	0,35	5	5,6	8,5
4	SH4FRXA4	0,5 à 2,5	6	0,5	6,1	7	11
5	SH5FRXA4	0,5 à 3,0	7	0,5	7,1	8	12
6	SH6FRXA4	0,5 à 3,0	9	0,5	9,1	10	14
8	SH8FRXA4	0,5 à 3,0	11	0,5	11,1	12	16
10	SH10FRXA4	1,0 à 3,5	13	0,7	13,1	14,2	19

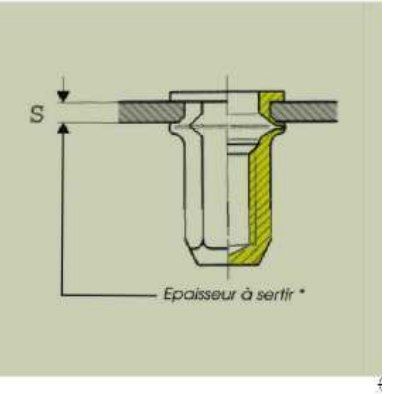
* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14 M16 + brass). Under reserve of modifications.

SERBLOC

FLAT HEAD HEXAGONAL CLOSED END
STEEL Zinc plated TYPE FHB et FHBL







thread ISO M	Part number STEEL	Across flet C (+0,15/0)	Gripp range/mm S	E	T	L	poinçon (=0,15/0) C1
M4	FHB4	6	0,5-2,0	0.8	9	15	6,1
	FHBL4	6	1,5-4,0	0.8	9	17	6,1
M5	FHB5	7	0,5-2,5	1	10	18	7,1
	FHBL5	7	2,0-4,5	1	10	20	7,1
M6	FHB6	9	0,5-3,0	1.2	12	22.5	9,1
	FHBL6	9	2,5-5,5	1.2	12	25	9,1
M8	FHB8	11	0,5-3,5	1.3	14	25	11,1
	FHBL8	11	3,0-6,0	1.3	14	27.5	11,1
M10	FHB10	13	0,5-3,5	1.7	17	30.5	13,1
	FHBL10	13	3,0-6,0	1.7	17	33	13,1

*

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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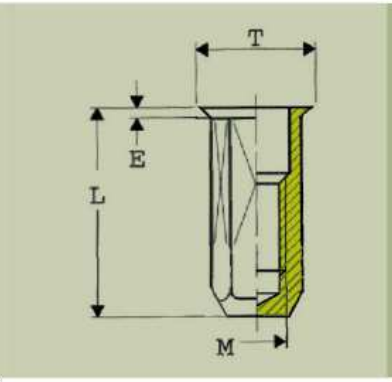
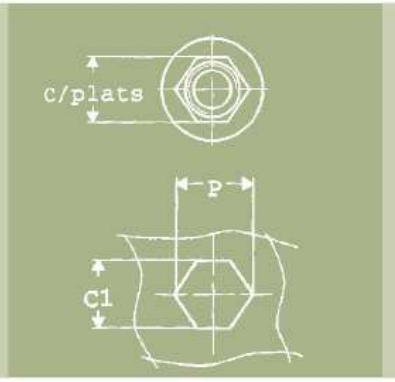
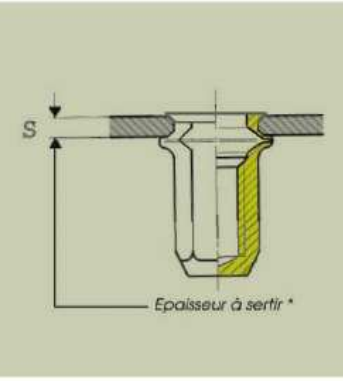
SERFIN

REDUCED HEAD CLOSED END
STEEL Zinc plated TYPE SFHB et SFHBL







thread ISO M	Part number STEEL	Grip range/mr S	Across flat C	E	hole. (+0,15/0) C1	T	L	P
M4	SFHB4	0,5-2,0	5.97	0.5	6	6.75	14.5	6.8
M4	SFHBL4	1,5-4,0	5.97	0.5	6	6.75	16.5	6.8
M5	SFHB5	0,5-2,5	6.97	0.6	7	8	17.5	7.85
M5	SFHBL5	2,0-4,5	6.97	0.6	7	8	19.5	7.85
M6	SFHB6	0,5-3,0	8.97	0.6	9	10	21.5	9.95
M6	SFHBL6	2,5-5,5	8.97	0.6	9	10	24	9.95
M8	SFHB8	0,5-3,5	10.97	0.6	11	12	24	12.15
M8	SFHBL8	3,0-6,0	10.97	0.6	11	12	26.5	12.15
M10	SFHB10	0,5-3,5	12.97	0.9	13	14.5	29	14.25
M10	SFHBL10	3,0-6,0	12.97	0.9	13	14.5	31.5	14.25

*

* The grip ranges indicated in this file are unlimited.We can manufacture any SERBLOC or SERFIN according to your specifications (Example : M14. M16. + brass). Under reserve of modifications.

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Clinching fasteners

Clinch stand off	open end	steel	st/steel COM	page 36
Clinch stand off	closed end	steel	st/steel CBM	page 37
Clinch nuts	cylindrical	steel	st/steel S	page 38
Clinch nuts	cylindrical	steel	st/steel T	page 39
Clinch nuts	hexagonal	steel	st/steel K	page 40
Stud	flush	steel	st/steel G	page 41
Stud	**overflowing**	steel	st/steel GL	page 42
Stud	smooth	steel	st/steel GLI	page 43
Clinch stand off	flush	steel	st/steel COC	page 44
Clinch nuts	anchor rivet bush	steel	st/steel EVA	page 45
Cage nuts	nut in steel, cage in steel			page 46
Cage nuts	nut in steel, cage in st/steel			page 47
SERESORT	Clinch nuts with captive screw	steel	SOM	page 48
Clip nuts	clip nut, metrical scre	steel	PLAIN	page 49
Clip nuts	clip nut,self tapping screw	steel		page 50
SERBLIND	pop rivets			page 54

NOTA : For more dimensions, please consult us

RECOMMENDATIONS

The hole drilling given in each definition's file is to be respected.Avoid deburring or making a champferafter drilling not to change the pull-out resistance.
For the punched holes, check the direction of installation during the insertion of the punch driver and minimize at maximum the cutting coverage.

INSTALLATIONS

-Press nuts are installed simply by press. Simaf can supply the installation machine type SER 7000 and on simple demand Simaf can send you its datasheet.

– Die and punch drivers : dies must be in treated steel and must have a superior diameter of the head of the insert . For the clinch stand offs and the studs the dies must be superior to the total length of the parts. Forecast a champfer of 02 to 05 mm under the knurling. The punch druiver has to be superior to the diameter of the head of the part.

GENERAL CHARACTERISTICS

CLICH STAND OFFS (type COM-CBM-COC)

STUD (types G-GL)

CLINCH NUTS (types S-T-K)

SERESSORT (type SOM)

NOTA

The dimensions on our documentations Are given as an indication.. They are not contractual and can change.

BE CAREFUL

All our references are not

in stock : please consult us.

PULL OUT FORCE	METRICAL		ALU SUPPORT			STEEL SUPPORT	
Type	ø	Strehght of installation en Kg/f	Tightening torque maxi Nm	Extraction load Kg	Strengh of installation en Kg/f	Tightening torque maxi Nm	Extraction load Kg
	M3	500-700	1.6	400	900-1200	1.9	500
	M4	1100	2.3	400	1800	2.5	600
COM-CBM	M5	1300	5.8	600	2000	5	800
	M2	800	1.6	200	1300	1.9	300
	M3	800	2.3	300	1300	2.5	450
	M4	900	3.6	450	1500	5	650
	M5	1100	5.8	500	1800	6	800
COC	M6	1500	8.8	900	2000	14	1300
	M3	800	1.1	200	1100	1.4	300
	M4	1100	1.9	300	1800	2	450
	M5	1500	2.5	470	2400	4	650
SOM	M6	1800	4	500	3000	5	800
	M2,5	-	1.1	200	-	1.4	300
	M3	800	1.9	300	1100	2	450
	M4	1100	2.5	470	1800	4	650
	M5	1500	4	500	2400	5	800
	M6	1800	10	900	3000	13	1400
S	M8	2200	18	1500	3200	20	1800
	M2,5	-	1.1	200	-	1.4	300
	M3	800	1.9	300	1100	2	450
	M4	1500	2.5	470	1800	4	650
	M5	1500	4	500	2400	5	800
	M6	1800	10	900	3000	13	1400
T	M8	2200	18	1500	3200	20	1800
	M3	700	2	350	900	2	500
	M4	1000	2.5	500	1100	2.9	800
	M5	1300	4	600	1800	6	1100
	M6	1500	10	950	2500	15	1400
	M8	2000	18	1500	2800	25	1800
	M10	2200	-	-	-	-	-
K	M12	2500	-	-	-	-	-
	M3	800	1.6	300	1000	1.9	400
	M4	900	2.3	500	1800	2.5	550
	M5	1100	3.6	670	2400	5	750
	M6	1800	5.8	1200	3000	6	1600
G	M8	2000	8.8		3200	14	
	M5	1000		780	1500		1200
	M6	1200		1500	1900		1800
	M8	1500		1780	2400		2500
GL	M10	2000		2200	2800		3000

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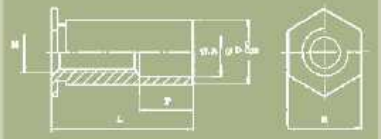
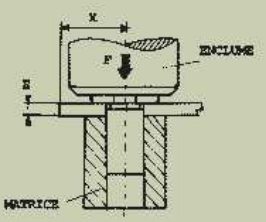
CLINCH STAND OFF

SELF CLINCHING THREADE SPACERS
FOR THIN METAL SHEET
TYPE COM : open end threaded





CHARACTERISTICS

Self clinching threaded spacers with open end threaded (type COM).
Inserted ito a round hole.
Press crimping.

ADVANTAGES

Easy installation.
High torque and push out resistance..

DESIGNATION

To determine a self clinching threaded spacer, you need to indicate :
1 – the reference,
2 – the material,
3 – the length.

MATERIAL

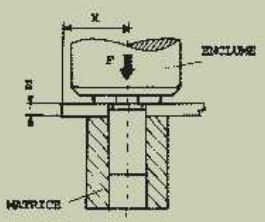
Case hardened steel, zinc plated : A.
St/steel 303 F 00, passivated : X.

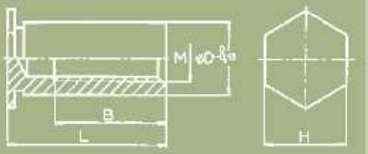
The following information is necessary :
Example : 3COM2 - A - 12
Reference : 3COM2
Material : A = steel
Length : 12

reference	miin thickness of the support	drilling (+0,1/0)	distance min from the edge	thread ISO														
		P	X	M	ØD	ØA	H	L										
3COM1	1	4,2	6	M3 x 0,50	4,2	3,2	5											
3COM2	1	5,4	7	M3 x 0,50	5,4	4	7											
4COM	1,3	7,2	8	M4 x 0,70	7,1	4,8	8	4	6	8	10	12	14	16	18	20	22	
5COM	1,3	7,2	8	M5 x 0,80	7,1	5,2	8											
							P	0				4			8			12	

CLINCH STAND OFF

SELF CLINCHING THREADE SPACERS FOR THIN METAL SHEET





CARACTéRISTIQUES

Self clinching threaded spacers with closed end threaded (type CBM).
Inserted ito a round hole.
Press crimping.

AVANTAGES

Easy installation.
High torque and push out resistance...

DéSIGNATION

To determine a self clinching threaded spacer you need to indicate :

1- The reference
2- The material
3- The length

MATIèRES

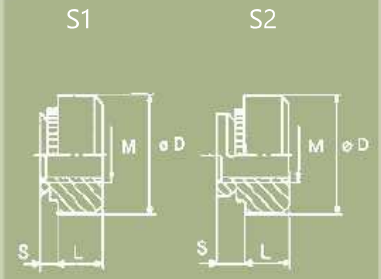
Case hardened steel, zinc plated : A.
St/steel 303 F 00, passivated : X.

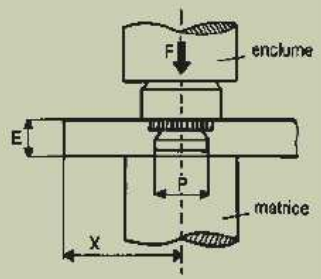
The following information is necessary :
Example : 4CBM - X - 18
Reference : 4CBM
Materal : X = St/Steel.
Length : 18

reference	min thickness of the support	erçage (+0,1/0)	min distance from the edge	taraudage ISO										
		P	X	M	ØD	H					L			
3CBM1	1	4,2	6	M3 x 0,50	4,2	5								
3CBM2	1	5,4	7	M3 x 0,50	5,4	7	8	10	12	14	16	18	20	22
4CBM	1,3	7,2	8	M4 x 0,70	7,1	8								
5CBM	1,3	7,2	8	M5 x 0,80	7,1	8								
						B mini	4		5	6.5		9.5		

SELF CLINCHING NUTS

SELF CLINCHING NUTS SERECROU FOR METALLIC SUPPORTS TYPE S





CHARACTERISTICS

Self clinching nuts with anchoring flutes for thin metal sheets.

ADVANTAGES

High torque and push-out resistance.
Easy and rapid installation, even in pre-painted, polished or enameled sheets. Ideal replacement for a weld nut.

DESIGNATION

Pour determine a SERECROU, you need to indicate :

1 – the reference,
2 – the material,
3 – the thickness .

MATERIALS

Case hardened steel, zinc plated : A.
St/Steel: 303 F 00, passivated : X.

The following information is necessary :

Example : M6S-2-A
Reference : M6S-2

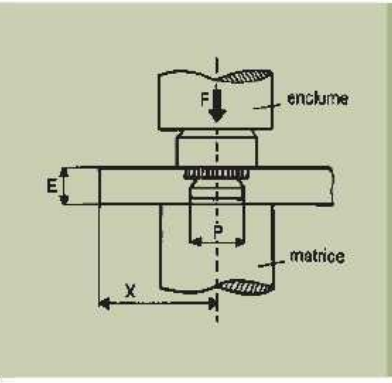
Material : A = steel

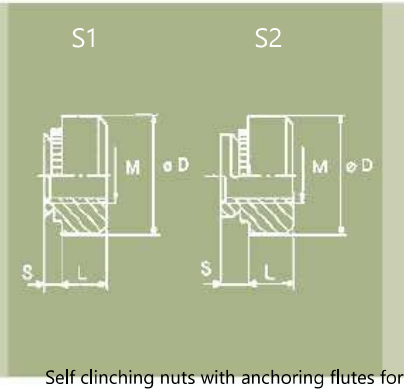
reference ISO M	Drilling P (+0,1-0)	X
M2,5S	4	5
M3S	5	5
M4S	6	7
M5S	7	7
M6S	8	8
M8S	10	10

reference	thread ISO M	D	L	S	Grip range r/mm E mini
M2,5S-1				0.97	1
M2,5S-2	M2,5 x 0,45	6	1.5	1.47	1.5
M3S-1				0.97	1
M3S-2	M3 x 0,50	7	1.5	1.47	1.5
M4S-1				0.97	1
M4S-2	M4 x 0,70	8	2.5	1.47	1.5
M5S-1				0.97	1
M5S-2	M5 x 0,80	9	3	1.47	1.5
M6S-1				0.97	1
M6S-2	M6 x 1,00	11	4	1.47	1.5
M8S-1				1.47	1.5
M8S-2	M8 x 1,25	13	5	1.97	2

SELF CLINCHING NUTS

SELF CLINCHING NUTS SERECROU FOR METALLIC SUPPORTS TYPE T





CHARACTERISTICS

Self clinching nuts with anchoring flutes for thin metal sheets.
High torque and push-out resistance.

ADVANTAGES

Easy and rapid installation, even in pre-painted, polished or enameled sheets. Ideal replacement for a weld nut.

DESIGNATION

To determine a SERECROU, il faut indiquer :

1 – the reference,
2 – the material,

MATERIAL

Case hardened steel, zinc plated : A.
St/Steel: 303 F 00, passivated : X.

The following information is necessary :

Example : M6S-2-A
Reference : M6S-2

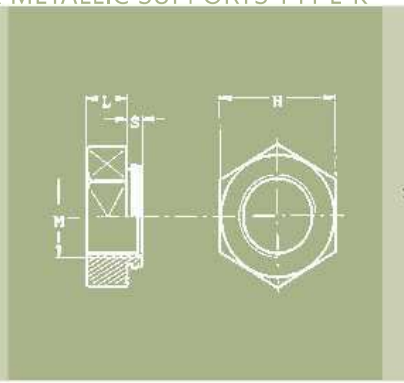
Material : A = steel

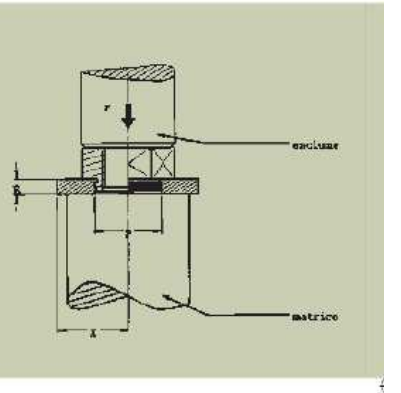
reference ISO M	Drilling P (+0,1-0)	X
M2,5T	4.25	5
M3T	4.25	5
M4T	5.4	7
M5T	6.4	7
M6T	8.75	9
M8T	10.5	10
M10T	14	13.5
M12T	17	16

eference	thread ISO M	D	L	S	Grip ranger/mm E mini
M2,5T-1				0.97	1
M2,5T-2	M2,5 x 0,45	6.3	1.5	1.37	1.4
M3T-1				0.97	1
M3T-2	M3 x 0,50	6.3	1.5	1.37	1.4
M4T-1				0.97	1
M4T-2	M4 x 0,70	7.9	2	1.37	1.4
M5T-1				0.97	1
M5T-2	M5 x 0,80	8.7	2	1.37	1.4
M6T-1			1.37	1.4	
M6T-2	M6 x 1,00	11.1	4	2.2	2.3
M8T-1				1.37	1.4
M8T-2	M8 x 1,25	12.7	5.5	2.2	2.3
M10T-1				2.21	2.3
M10T-2	M10 x 1,75	17.4	7.5	3.05	3.2
M12T-1				3.1	3.2
M12T-2	M12 x 2,00	20.6	8.5	6	6.1

SELF CLINCHING NUT

SELF CLINCHING NUTS SERECROU FOR METALLIC SUPPORTS TYPE K





CHARACTERISTICS

The SERECROU type K offers a high resistance to push out resistance and to rotation thanks to its shape under head.

ADVANTAGES

Parts standard in steel zinc plated
Ability of manufacturing parts in st/steel on demand..

DESIGNATION

To determine a SERECROU, you need to indicate :

1 – the reference,
2 – the material,
3 – the length.

MATERIALS

Case hardened steel, zinc plated : A.

Stainless steel 303 F 00,
passivated : X.

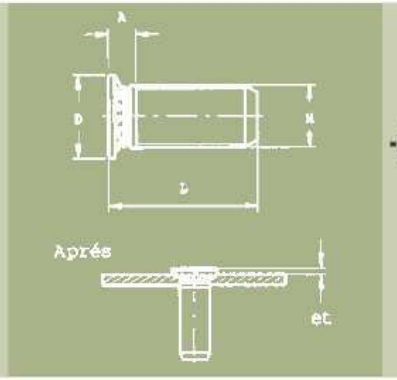
The following inf ormation is necessary :

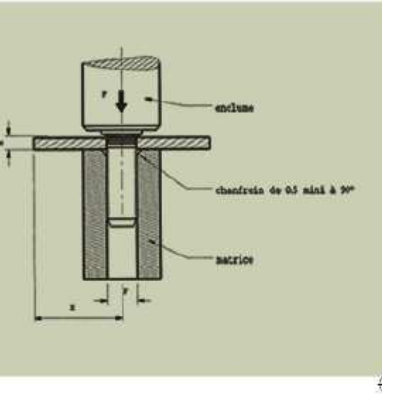
thread ISO M	(pas)	H	L	E	S	Ø drilling P	X
M3	0.5	5.5	2.1	1	0.9	4.5	5
M4	0.7	7	2.2	1	0.9	5.5	7
M5	0.8	8	3.1	1	0.9	6;5	7
M6	1	10	4.1	1	0.9	8	9
M8	1.25	13	4.6	2	1.8	10	9.5
M10	1.5	15	6.1	2	1.8	12.5	10
M12	1.75	17	7.1	3	2.8	14.5	12

Example : M6K-A
Reference : M6K
Material : A = steel

STUD

SELF CLINCHING STUDS FOR METALLIC SUPPORTS TYPE G





CHARACTERISTICS

Self clinching threaded studs Easy and rapid installation by press, in thin metal sheets.

ADVANTAGES

Hight torque ans push-out resistance. Ideal replacement for a weld stud..

DESIGNATION

To determine a stud you need to indicate :

1 – the reference,
2 – the material,
3 – the length

MATERIALS

Case hardened steel, zinc plated : A.
Stainless steel 303 F 00,
passivated : X.

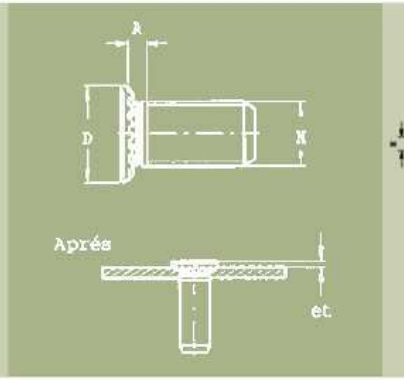
The following inf ormation is necessary :
Example : G6 - A - 14
Reference : G6
Material : A = steel
Length : 14

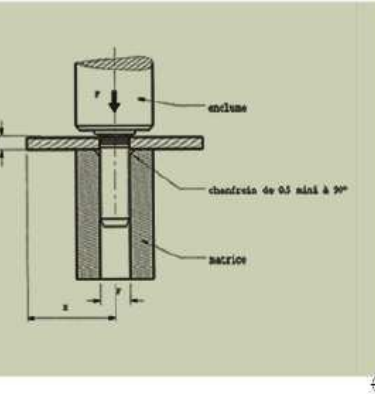
Refeence ISO G	drilling P (+0,1-0)	X	E (mini)
G3	3	6	1
G4	4	6	1.2
G5	5	8	1.3
G6	6	8	1.5
G8	8	10	2

refeeence ISO G	fthread M	Ø D	A maxi	L														
G3	M3 x 0,50	5	2.1	6	8	10	12	14	16	18								
G4	M4 x 0,70	6	2.4			10	12	14	16	18	20	22	25	28	30	35	40	
G5	M5 x 0,80	7	2.7			10	12	14	16	18	20	22	25	28	30	35	40	
G6	M6 x 1,00	8	3				12	14	16	18	20	22	25	28	30	35	40	
G8	M8 x 1,25	10	3.7					14	16	18	20	22	25	28	30	35	40	

STUD

SELF CLINCHING STUDS FOR METALLIC SUPPORTS TYPE GL





CHARACTERISTICS

Self clinching threaded studs Easy and rapid installation by press, in thin metal sheets.

ADVANTAGES

Hight torque ans push-out resistance. Ideal replacement for a weld stud..

DESIGNATION

To determine a stud you need to indicate, you need to indicate :

1 – the reference,
2 – the material
3 – the length.

MATIERIAL

Case hardened steel, zinc plated : A.
Stainless steel 303 F 00,
passivated : X.

The following information is necessary :
Example : GL6 - A - 14
Reference : GL6
Material: A = steel-Length : 14

référence ISO GL	perçage P (+0,1-0)	E	X	et
GL5	5	1.3	10.8	1.2
GL6	6	1.5	11.5	1.3
GL8	8	2	12.8	1.8
GL10	10	2.3	13.8	2.3

référence ISO G	filetage M	Ø D	A maxi	L (+/- 0,4)						
GL5	M5X0,8	7.8	2.8	15	20	25	30	35	40	50
GL6	M6x1	9.4	2.9	15	20	25	30	35	40	50
GL8	M8x1,25	12.5	3.5	15	20	25	30	35	40	50
GL10	M10x1,5	15.7	4.2	15	20	25	30	35	40	50

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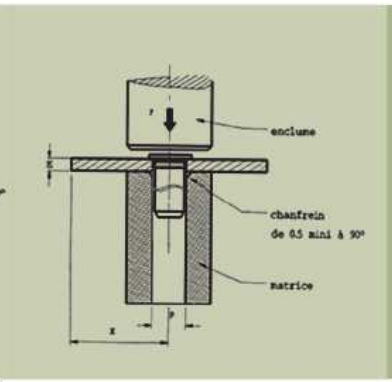
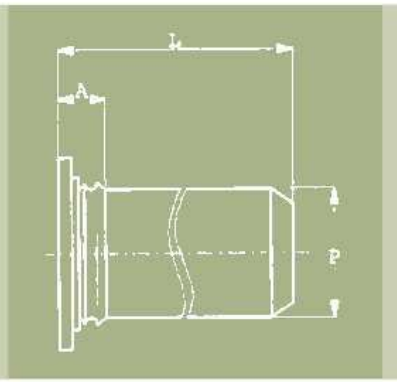
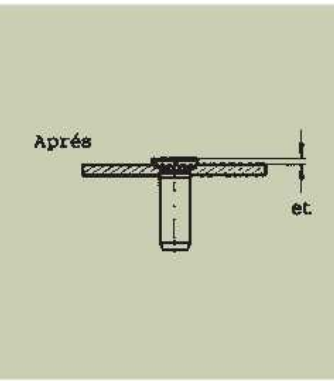
STUD

SELF CLINCHING STUDS FOR METALLIC SUPPORTS TYPE GLI







CHARACTERISTICS

Smooth self clinching threaded studs Easy and rapid installation by press, in thin metal sheets..

ADVANTAGES

Enables a good localisation of the centring tool after installation.
Ideal replacement for a weld stud..

DESIGNATION

To determine a stud,, you need to indicate :

1 – the reference,
2 – the material,
3 – the length.

MATERIALS

Case hardened steel, zinc plated : A.
Stainless steel 303 F 00,
passivated : X.

The following information is necessary :
Example : GLI6 - A - 14
Reference : GLI6
Material : A = steel
Length : 14

reference ISO GLI	P en mm (+/- 0,05)	L					E mini	Drilling ge	A	X
GLI3	3	8	10	12	13	NA	1	3.5	2.3	6.5
GLI4	4	8	10	12	16	NA	1	4.5	2.3	7
GLI5	5	NA	10	12	16	20	1	5.5	2.3	7.6
GLI6	6	NA	NA	12	16	20	1	6.5	2.3	8

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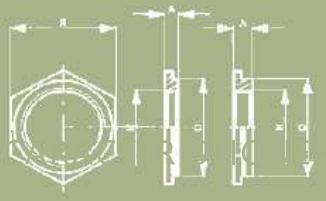
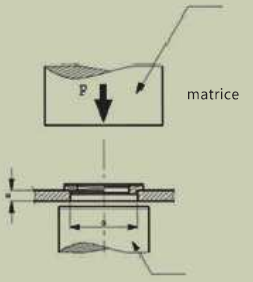
CLINCH STAND OFF

SELF CLINCHING THREADE SPACERS FOR THIN METAL SHEET TYPE COC : FLUSH

enclume





Self clinching threaded spacers with open end threaded (type COC).
Inserted into a round hole.
Press crimping.

ADVANTAGES

Easy installation.
High torque and push out resistance..
Hardness of the metal sheets 70 HRB MAXI.

DESIGNATION

To determine the flush clinch stand off you need to indicate :

1 – the reference

2 – the material

3 – the code Id. which gives the minimum thickness..

MATERIALS

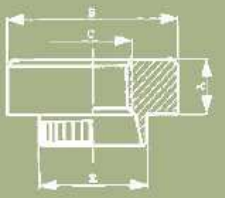
Case hardened steel, zinc plated : A.
Stainless steel 303 F 00, passivated : X.

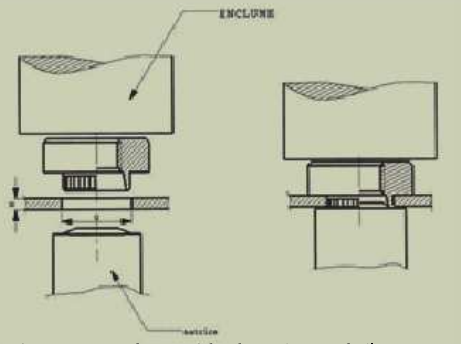
The following information is necessary :
Example : 3COC-X-1
Reference : 3 COC
Material : A = steel
Code Id. : 1

reference ISO	code Id. thickness mini	M	A	D maxi	H	G	E mini
2COC	1	2	1.53	4.35	4.8	4.4	1.53
2COC	2	2	2.30	4.35	4.8	4.4	2.30
3COC	1	3	1.53	4.35	4.8	4.4	1.53
3COC	2	3	2.30	4.35	4.8	4.4	2.30
4COC	1	4	1.53	7.35	7.9	7.4	1.53
4COC	2	4	2.30	7.35	7.9	7.4	2.30
5COC	1	5	1.53	7.90	8.7	8	1.53
5COC	2	5	2.30	7.90	8.7	8	2.30
6COC	1	6	3.05	8.72	9.5	8.8	3.20
6COC	2	6	3.85	8.72	9.5	8.8	4.00

CLINCH NUTS

ANCHOR RIVET BUSHES FOR THIN SHEET METAL
TYPE EVA





CHARACTERISTICS

Anchor Rivet bushes are manufactured for fastening on frail support.
The serrated shank is determined in function of the grip range.
Please consult us for the availability..

ADVANTAGES

Anchor Rivet bushes ensure a guaranteed assembly on thin sheet metal support.
No loss of the nut during the transport due to vibrations or damages.
Very high torque and push-out resistance.
Possibility of various versions, closed and different length can be used as a spacer.

DESIGNATION

To determine a CLINCH NUT, you need to indicate :

1 – the reference,
2 – the material,
3 – the thickess of the support to be crimped.

MATERIALS

Case hardened steel, zinc plated : A.
Stainless steel 303 F 00,
passivated : X.

The following information is necessary :

Example : M6EVA - A - 12
Reference : M6EVA
Materialr : A = steel
thickness : 12 tenth support thickness

M	A	B	E	G	Thicknes of the contour H
M3	3.2	8	5.9	6	0,5-1
M4	3.8	9.5	6.9	7	0,5-1
M5	4.4	11	8.3	8.4	0,8-1,2
M6	5.7	12.5	9.5	9.7	1-1,5
M8	6.4	16	13	13.2	1-1,5

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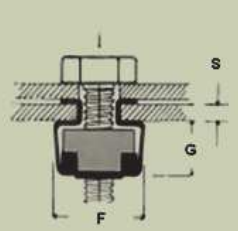
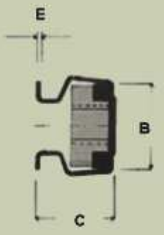
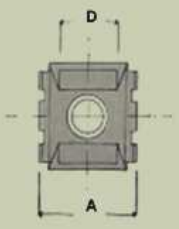
CAGE NUTS

NUT (STEEL) CAGE (STEEL)
TYPE A







reference ISO	thread M	Thickness support S	dimension of the nut	A +0.6/-0	B +/-0.5	C +/-0.3	D +/-0.2	E +/-0.1	F +/-0.3	G +/-0.3	dimension punching squarred +/-0.2
46/M04A67		0.7-1.6				7.2					
46/M04B67	M4	1.8-2.6	8x8x3.5	10	9	8.2	5.8	0.45	10.3	4.8	6.7 x 6.7
46/M05A67		0.7-1.6				7.2					
46/M05B67	M5	1.7-2.6	8x8x3.5	10	9	8.2	5.8	0.45	10.3	4.8	6.7 x 6.7
46/M04O83		0.3-1.1				8					
46/M04A83		1.2-1.6				8.5					
46/M04B83		1.7-2.5				9.5					
46/M04C83		2.6-3.5				10.5					
46/M04D83	M4	3.6-4.5	10x10x4	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M05O83		0.3-1.1				8					
46/M05A83		1.2-1.6				8.5					
46/M05B83		1.7-2.5				9.5					
46/M05C83		2.6-3.5				10.5					
46/M05D83	M5	3.6-4.5	10x10x4.5	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M06O83		0.3-1.1				8					
46/M06A83		1.2-1.6				8.5					
46/M06B83		1.7-2.5				9.5					
46/M06C83		2.6-3.5				10.5					
46/M06D83	M6	3.6-4.5	10x10x4.5	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M04A95		0.7-1.6				8.5					
46/M04B95		1.7-2.6				9.5					
46/M04C95	M4	2.7-3.5	11x11x4	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M05A95		0.7-1.6				8.5					
46/M05B95		1.7-2.6				9.5					
46/M05C95	M5	2.7-3.5	11x11x4.5	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M06A95		0.7-1.6				8.5					
46/M06B95		1.7-2.6				9.5					
46/M06C95	M6	2.7-3.5	11x11x4.5	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M06A123		1-1.7				10.4					
46/M06B123		1.8-3.2				12					
46/M06C123	M7	3.3-4.7	14x14x5	16	15.5	13.5	10.6	0.5	16.6	7.8	12.3 x 12.3
46/M08A123		1.-1.7				10.4					
46/M08B123		1.8-3.2				12					
46/M08C123	M8	3.3-4.7	14x14x5.5	16	15.5	13.5	10.6	0.5	16.6	7.8	12.3 x 12.3
46/M10A123		1-1.7				10.4					
46/M10B123		1.8-3.2				12					
46/M10C123	M10	3.3-4.7	14x14x5.5	16	15.5	13.5	10.6	0.5	16.6	7.8	12.3 x 12.3

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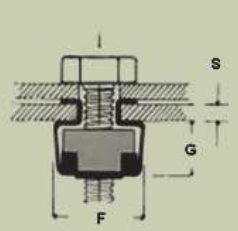
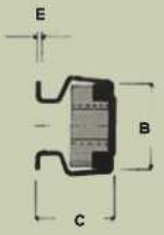
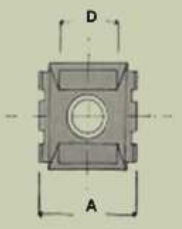
CAGE NUTS

NUT(STEEL) CAGE (STAINLESS STEEL)
TYPE AX







reference ISO	fthread M	Thickness support S	dimension of the	A +0.6/-0	B +/-0.5	C +/-0.3	D +/-0.2	E +/-0.1	F +/-0.3	G +/-0.3	dimension punching squarred +/-0.2
46/M03AX53		0.3-0.9				5.2					
46/M03BX53		1-1.6				5.9					
46/M03CX53		1.7-2.3				6.6					
46/M03DX53	M3	2.4-3.1	8x8x2.5	9.3	8.8	7.4	4.8	0.3	9.7	3.6	5.3 x 5.3
46/M04AX53		0.3-0.9				5.2					
46/M04BX53		1-1.6				5.9					
46/M04CX53		1.7-2.3				6.6					
46/M04DX53	M4	2.4-3.1	8x8x2.5	9.3	8.8	7.4	4.8	0.3	9.7	3.6	5.3 x 5.3
46/M04XA67		0.7-1.6				7.2					
46/M04BX67	M4	1.8-2.6	8x8x3.5	10	9	8.2	5.8	0.45	10.3	4.8	6.7 x 6.7
46/M05AX67		0.7-1.6				7.2					
46/M05BX67	M5	1.7-2.6	8x8x3.5	10	9	8.2	5.8	0.45	10.3	4.8	6.7 x 6.7
46/M04OX83		0.3-1.1				8					
46/M04AX83		1.2-1.6				8.5					
46/M04BX83		1.7-2.5				9.5					
46/M04CX83		2.6-3.5				10.5					
46/M04DX83	M4	3.6-4.5	10x10x4	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M05OX83		0.3-1.1				8					
46/M05AX83		1.2-1.6				8.5					
46/M05BX83		1.7-2.5				9.5					
46/M05CX83		2.6-3.5				10.5					
46/M05DX83	M5	3.6-4.5	10x10x4.5	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M06OX83		0.3-1.1				8					
46/M06AX83		1.2-1.6				8.5					
46/M06BX83		1.7-2.5				9.5					
46/M06CX83		2.6-3.5				10.5					
46/M06DX83	M6	3.6-4.5	10x10x4.5	12	11.4	11.5	7.2	0.45	12.2	6	8.3 x 8.3
46/M04AX95		0.7-1.6				8.5					
46/M04BX95		1.7-2.6				9.5					
46/M04CX95	M4	2.7-3.5	11x11x4	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M05AX95		0.7-1.6				8.5					
46/M05BX95		1.7-2.6				9.5					
46/M05CX95	M5	2.7-3.5	11x11x4.5	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M06AX95		0.7-1.6				8.5					
46/M06BX95		1.7-2.6				9.5					
46/M06CX95	M6	2.7-3.5	11x11x4.5	13.8	13	10.5	8.2	0.45	14.6	6	9.5 x 9.5
46/M06AX123	M6	1-1.7	14x14x5	16	15.5	10.4	10.6	0.5	16.6		12.3 x 12.3

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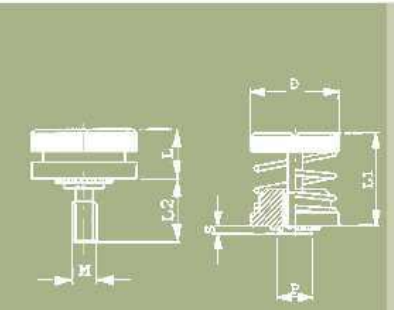
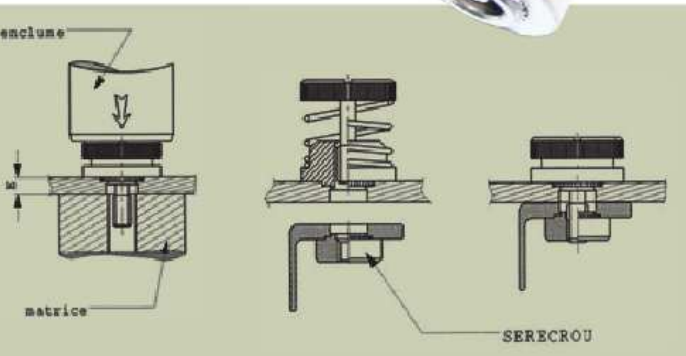
SERESSORT

INSERTS FOR METALLIC SUPPORTS TYPE SOM





CHARACTERISTICS

Can be used on sheet metal of hardness 60 hrb maxi.

ADVANTAGES

Enables to combine the nut with a captive screw.
Easy installation on finished supports.

DESIGNATION

Example : part number SIMAF : 37/3SOM-A-1
37 = family code SIMAF
3 = M3
SOM = SERESSORT
A = STEEL
1 = crimping S to 0.97 and E mini to 1 (see file below)

MATERIAL

Case hardened steel, zinc plated : A.

	ref.	M	S	E mini	Ø drilling	D +/-0.25	E +/-0.4	L	L1	distance min. from the edge
	3SOM1		0.97	1						
M3X0.5	3SOM2	M3	1.48	1.5	5.5	10.30	7.62	8.26	15.11	6.60
	4SOM1		0.97	1						
M4X0.70	4SOM2	M4	1.48	1.5	6.4	11.90	7.62	8.38	15.24	7.37
	5SOM1		0.97	1						
M5X0.8	5SOM2	M5	1.48	1.5	8	13.50	7.62	8.51	15.37	8.38
	6SOM1									
M6X1	6SOM2	M6	1.48	1.5	9.5	15.00	8.89	9.78	17.15	9.65

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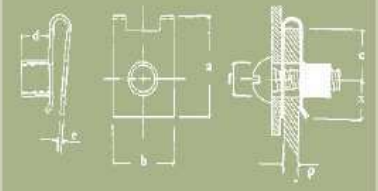
CLIP NUT

THREADED BARREL FOR METRICAL SCREW

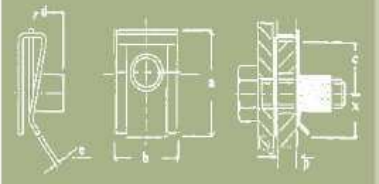
SPRING STEEL
Serial BUT 200



Ø of the screw	Sheet thicknes P	refeence	A	B	C	X	D	E
M4	0.5-1.5	49/BUT-204A	15.5	12	7.5	6.5	4.5	0.80
	1.6-2.0	49/BUT-204B						
M5	0.5-1.5	49/BUT-205A	15.5	12	7.5	6.5	5	0.80
	1.6-2.0	49/BUT-205A						
M6	0.5-1.5	49/BUT-206A	15.5	12	7.5	6.5	5.5	0.80
	1.6-2.0	49/BUT-206A						

THREADED BARREL FOR METRICAL SCREW

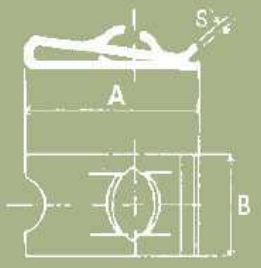
SPRING STEEL
Serial BUT 310

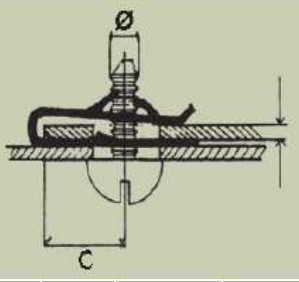


Ø de vis	Shee thickness P	refeence	A	B	C	X	D	E
M4	0.5-4.0	49/BUT-314	15	10	7.3	7 (5)	5	0.6
M5	0.5-4.0	49/BUT-315	20 (20.5)	14	11	8.8	5.5	0.7 (0.6)
		49/BUT-415	15	12	7.3	7.0	5.5	
M6	0.5-4.0	49/BUT-316	22.2 (23.6)	15 (16)	12	9.8	7	0.8
		49/BUT-416	18.8 (18)	16	8.4 (8.7)	8.4 (8.2)	7.5	
M8	0.5-4.0	49/BUT-416	24.3	17	13	10.8	9	1.00

CLIP NUT

FOR ASSEMBLY BY METAL SHEET SCREW
SPRING STEEL

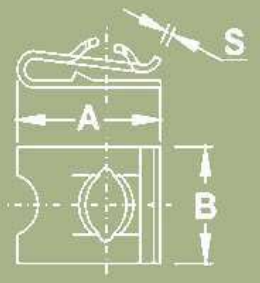


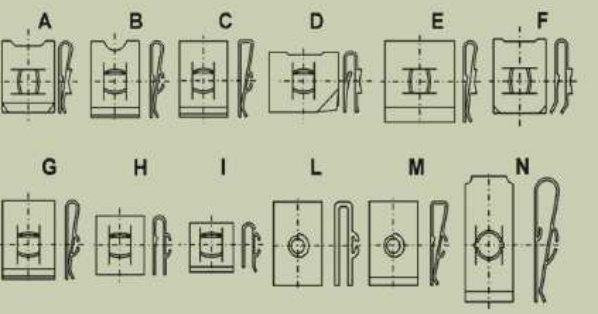


Screw Ø	form	Grip range P	reference	A	B	C	S
	B	0.3-1.5	49/U29-031	10.5	8	5	0.50
2.8	I	1.7	49/U29-170	10	10	4.6	0.45
(2.9)	C	3.5-4.0	49/U29-354	10.5	7.5	5	0.50
	B	1.6-2.5	49/U35-250	11.2	9	6.2	0.50
	B	0.3-1.5	49/U35-031	11.2	9	6.2	0.50
	A	0.3-2.0	49/U35-319	15	12	8.5	0.50
	B	0.3-2.0	49/U35-320	16.3	11	8.7	0.60
	B	0.3-1.5	49/U35-061	16	11	8.4	0.50
	B	1.0-2.0	49/U35-120	12	12	6.9	0.60
	A	1.5-2.5	49/U35-132	14.5	12	7.9	0.60
	B	1.5-2.5	49/U35-172	14.5	9	8	0.50
	H	2.5-3.0	49/U35-503	11.8	9	6.2	0.50
	G	2.5-3.5	49/U35-253	16	10	10	0.60
	B	1.0-1.5	49/U35-223	16	11	8.5	0.50
3.5	G	2.5-3.0	49/U35-300	12	9	5.5	0.60
	A-B	0.3-2.0	49/U39-032	14.5	12	7.9	0.50
3.9	A	1.0-1.5	49/U39-115	11	9	5	0.60
	G	2.5-3.0	49/U42-300	12	9	5.5	0.60
	B	1.5-2.0	49/U42-152	16	11	8.4	0.60
	B	0.3-1.2	49/U42-031	11.2	9	6.2	0.50
	A	0.3-2.0	49/U42-032	14.5	12	7.9	0.60
	B	0.3-2.0	49/U42-061	16	11	8.4	0.50
	B	0.3-2.2	49/U42-322	20	12	7.5	0.70
	B	0.3-2.5	49/U42-325	24	11	16	0.60
	H	1.8	49/U42-180	10.5	9	5.4	0.60
	B	1.8-2.8	49/U42-182	16	11	8.4	0.60
	A	2.2-2.8	49/U42-228	15	12	8	0.60
	C	2.5-3.5	49/U42-235	13.2	9	6	0.60
4.2	C	3.8-4.2	49/U42-536	13.2	9	6	0.60

CLIP NUT

FOR ASSEMBLY BY METAL SHEET SCREW
SPRING STEEL





Screw Ø	form	Grip range P	reference	A	B	C	S
	N	0.6-1.4	49/U42-109	25.6	12	14	0.60
	G	2.5-3.2	49/U42-532	16	12	9.2	0.60
	B	2.0-3.0	49/U42-230	17	11	8.4	0.60
	H	2.5-3.0	49/U42-503	11.8	9	6.2	0.60
	G	2.5-3.2	49/U42-530	16.3	10	8.5	0.60
	G	2.5-3.5	49/U42-253	16	10	10	0.60
	C	4.0-6.0	49/U42-460	20	10	11	0.60
	C	3.8-4.2	49/U42-342	16	11	8.4	0.60
	C	3.0-5.0	49/U42-350	16	11	8.4	0.60
4.2	B	3.5-4.0	49/U42-400	23.5	11	15.8	0.70
	E	3.5	49/U48-350	17	16	10	0.50
	E	0.3-1.5	49/U48-031	17	16	10	0.50
	H	2.0	49/U48-200	12	10	6	0.60
	A	0.3-2.0	49/U48-032	15	12	7.8	0.70
	E	3.5	49/U48-350	17	16	10	0.50
	B	0.3-2.8	49/U48-328	29.2	12	22.1	0.60
	G	0.3-2.8	49/U48-382	19.5	12	8.2	0.70
	D	1.0-2.2	49/U48-122	12.5	16	5.8	0.70
	M	1.0-3.5	49/U48-135	17	11	9	0.50
	L	3.6	49/U48-360	17	11	9	1.00
4.8	G	2.5-3.2	49/U48-253	16	12	9.2	0.70
5.5	B	0.3-3.2	49/U55-033	26	15	13.7	0.80
6.3	G	5.6	49/U63-560	21	16	14	0.60

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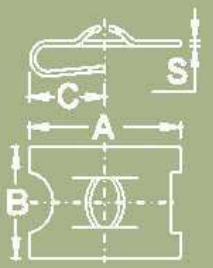
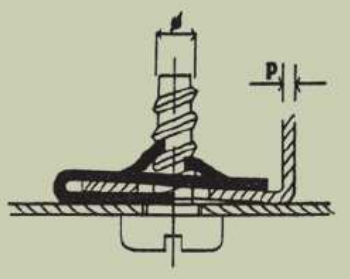
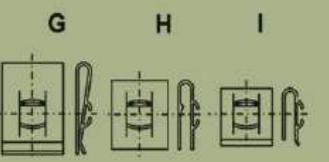
CLIP NUT

FOR ASSEMBLY BY METAL SHEET SCREW
SPRING STEEL







Screw Ø	form	Grip ragnge P	reference	A	B	C	S
	C	0.6-1.0	49/SU36-061	16.5	11	8.4	0.60
	C	1.6-2.0	49/SU36-162	16.5	11	8.4	0.60
	E	0.8-1.5	49/SU36-081	17	8	8.9	0.60
3.6	A	1.2-1.6	49/SU36-116	14.5	9	7.4	0.60
	C	1.0-1.4	49/SU36-114	16	11	8.4	0.60
	C	1.4-1.8	49/SU36-118	16	11	8.4	0.60
4.2	C	1.4-2.0	49/SU36-142	19	12	8.3	0.70
	C	1.0-2.0	49/SU36-115	20	12	8.8	0.70
	D	1.2-1.6	49/SU36-116	24.5	15	11.7	0.80
4.8	B	0.7-1.2	49/SU36-071	16	15.5	8.2	0.80
5.5	A	1.4-2.2	49/SU36-142	25	15.5	14.5	0.80
6.3	E	1.4-2.2	49/SU36-122	25	15.5	14.5	0.80

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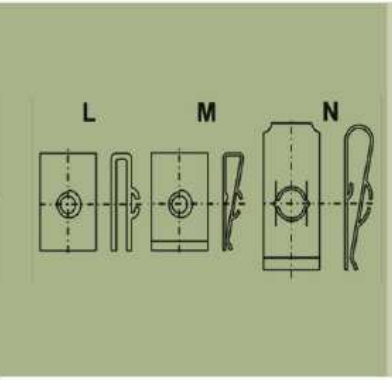
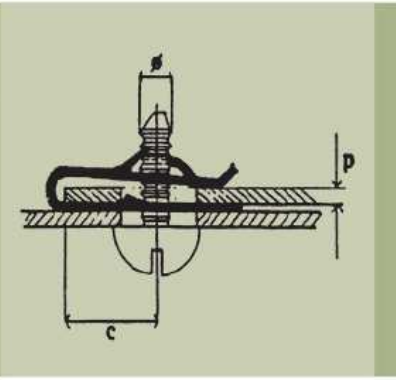
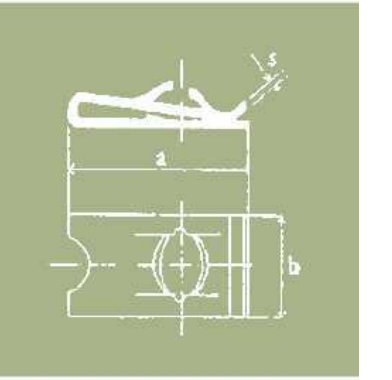
CLIP NUT

FOR ASSEMBLY BY METAL SHEET SCREW
SPRING STEEL



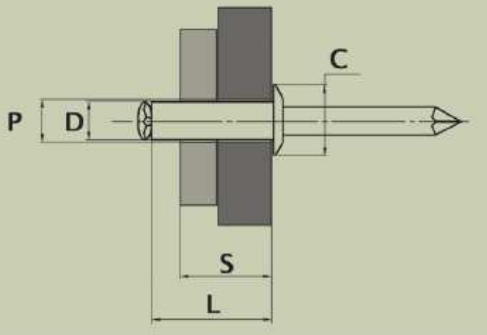




Screw Ø	form	Grip range P	reference	A	B	C	S
M3	C	0.8-1.6	49/U3-503	12	8	6	0.30
	C	0.6-2.5	49/U4-601	16		7	
	C	1.0-2.0	49/U4-501	18		8.5	
M4	C	3.0-4.0	49/U4-520	17.5	10	7	0.40
	N	0.6-1.1	49/U5-2212-1	15		6.5	
	B	0.6-1.4	49/U5-521-1	21		9.5	
	B	0.6-1.4	49/U5-509-1	24		12.5	
	N	1.2-1.8	49/U5-2212-2	15		6.5	
	B	1.5-1.6	49/U5-521-2	21		9	
	B	1.5-1.6	49/U5-509-2	24		12	
	N	1.9-2.2	49/U5-2212-3	15		6	
M5	N	2.3-3.0	49/U5-2212-4	14.7	12	5.5	0.50
	A	1.0-1.8	49/U6-2219-2	16.5	–	8.4	
	A	1.9-3.0	49/U6-2219-3	16.2	16	7.4	
	C	2.0-3.2	49/U6-506	–	–	10	
M5	C	3.3-4.6	49/U6-516	24.5	14	9	0.50

SERBLIND

BLIND RIVETS



ADVANTAGES

Blind installation
Rapid assembly and resistant
Installation possible on parts protected beforehand.

MATERIAL

Body	alu mandrel steel	EX, MULTI, CLAW
Body	alu / mandrel steel	TA
Body	alu / mandrel st/steel	ALINOX
Body	steel / mandrel steel	ADX, MULTIA
Body	inox / mandrel stainless steel	XA2

DESIGNATION

To install your rivets according to your use,, choose in the file available to you :

1 – the material,
2 – the type of head,
3 – the diametre,
4 – the length..

To find the length of the rivet necessary to your application do as follows : LENGTH L = DIAMETER D + GRIP RANGE S
Example : L = 4.8 + 10 = 14.8 mm (round up to superior mm)
Diameter of the chosen rivet : 4.8 mm
Grip range : 10.0 mm
For a blind rivet body : alu / mandrel steel, type EX, take the model EX 4.8 x 16

Diameter of the blind rivets D 2.4 – 3.0 – 3.2 - 4.0 – 4.8 – 5.0 – 6.0 – 6.4
Diameter of drilling P 2.5 – 3.1 – 3.3 - 4.1 – 4.9 – 5.1 – 6.1 – 6.5

See the filles of blind rivet nuts..

We also have all types of blind rivets in stock which are not indicated in the file :
blind rivets ALL ST/STEEL
MULTI-GRIP TYPE, COLOURED blind rivets
SEALED PATTERN blind rivets COPPER,
CLAW (PEEL) TYPE? KNURLED blind rivets
etc.

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RIVET STANDARD	Ø 2,4	Ø3	Ø 3,2	Ø4	Ø 4,8	Ø5	Ø6	Ø 6,4
épaisseur de sertissage	0,5-10	0,5-17	1,5-22	1-22	1-75	3-25	2-29	2-35

type	Body Ø		Ø 2.	Ø 3	Ø 3.2	Ø 4	Ø 4.8	Ø 5	Ø 6	Ø 6.4
	reference	Large head Ø	5	6	6	8	10		12	12
Body ALU mandrel Steel	EX		X	X	X	X	X		X	X
	reference	Large flat headØ					14	14		
Body ALU mandrel Steel	EXTPL						X	X		
	reference	Extra large flat he			9.5	12	16			
Body ALU mandrel Steel	EXTEL				X	X	X			
	reference	Countersunk	5	6	6	7.5	9	9		
Body ALU mandrel Steel	EXTF		X	X	X	X	X	X		
	reference	Flat head Ø		6.5	6.5	8	9.5	9.5	12	12.7
Body ALU mandrel Steel	ADX			X	X	X	X	X	X	X
	reference	Large flat head					16	16		
Body ALU mandrel Steel	ADXTL						X	X		
	reference	Flat head Ø			6	7.5	9			
Body ALU mandrel Steel	ADXTF				X	X	X			
	reference	Flat head Ø	5	6.5	6.5	8	9.5	9.5	12	12.7
Body ALU mandrel Alu	TA		X	X	X	X	X	X	X	X
	reference	Ø tête plate large					14	14		
Body ALU mandrel Alu	TATL						X	X		
	reference	Large flat headØ			9.5	12	16			
Body ALU mandrel Alu	TATEL				X	X	X			
	reference	Flat head Ø		6.5	6.5	8	9.5	9.5		
Body ALU mandrel St/Steel	ALINOX			X	X	X	X	X		
	reference	Large flat head					11	11		
Body ALU mandrel St/Steel	ALINOXL						X	X		
	reference	Flat head Ø	5	6.5	6.5	8	9.5	9.5	12.7	
Body St/Steel mandrel St/Steel	XA2		X	X	X	X	X	X	X	
	reference	Large flat head					14	14		
Body St/Steel mandrel St/Steel	XA2TL						X	X		
Body St/Steel mandrel St/Steel	reference	Countersunk head Ø			6	7.5	9			
	XA2TF				X	X	X			

MULTI-GRIP BLIND RIVET with large capacity of setting,
Twice as important as the STANDARD Bind rivet.

RIVET MULTI-SERRAGE	Ø 2,4	Ø3	Ø3,2	Ø4	Ø4,8	Ø5	Ø6	Ø6,4
épaisseur de sertissage				1-9	1-13	1-20		

type	Body Ø		Ø 2.	Ø 3	Ø 3.2	Ø 4	Ø 4.8	Ø 5	Ø 6	Ø 6.4
	reference	Flat head Ø			6	8	10			
Body ALU mandrel Steel	MULTI				X	X	X			
	reference	Large flat head Ø				12	16			
Body ALU mandrel Steel	MULTEL					X	X			
	reference	Countersunk headØ			6	8	9.5			
Body ALU mandrel Steel	MULTITF				X	X	X			
	reference	Countersunk head Ø			7.2	8.1	9.8			
Body ALU mandrel Steel	MULTADX				X	X	X			

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Since 1966, SIMAF has designed and marketed assembly systems that meet industry's increasingly sophisticated demands.
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