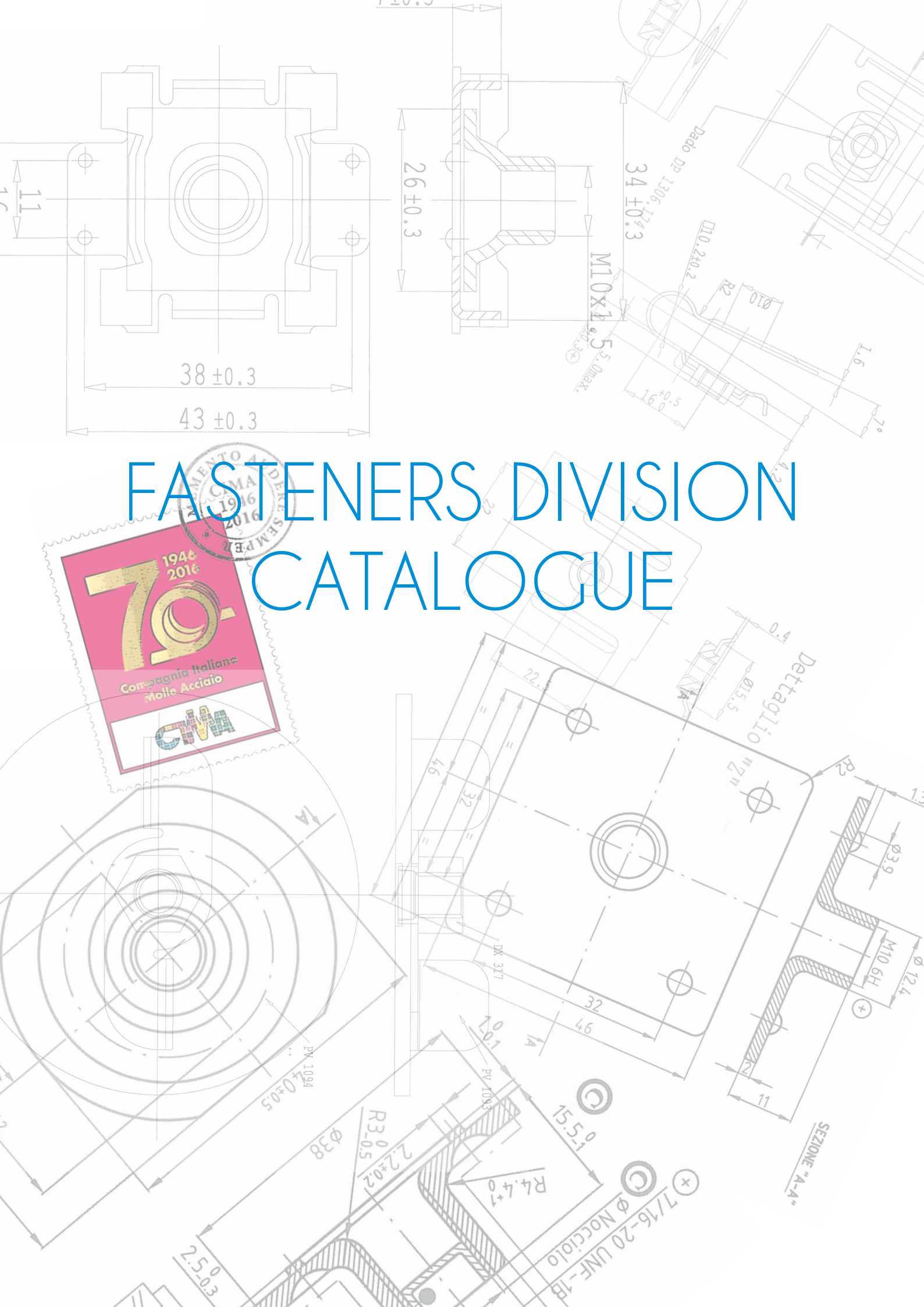




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Woodbridge, Ontario
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ПОВЕРХНОСТЬ ПРЕССА: 3500 MM X 1800MM (РАССМАТРИВАЮТСЯ БОЛЬШИЕ РАЗМЕРЫ)



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Tel. +91 832 278 2102.
spai@cabeindia.in



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cima@cimabelfin.com

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Produzione di molle a caldo.

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info@elexos.com



CIMA (Qingdao) Springs Ltd
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CIMA Divisione Fissaggi Rapidi
CIMA Fastenings Division

DADO A RIVETTARE TONDO - RIVET NUTS





ALIMENTATORE

- Alimentatore per inserimento dadi DP a spinta magnetica a 2 o 4 vie

Two / Four - Way feeder with a magnetic solenoid to insert the Dp nuts



TESTINA

- Testina di punzonatura completa

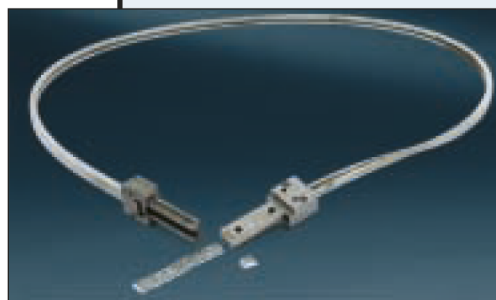
Complete punching head



COMPONENTI E RICAMBI DELLA TESTINA DI PUNZONATURA

- Componenti e ricambi della testina di punzonatura

We stock components and spare parts for the punching head



CANALINA

- Canalina con innesto per alimentazione dadi

Plastic channel with clutch to feed the nuts



©Azzurro - Bg

I nostri servizi

- Progettazione e realizzazione di particolari a Vs disegno realizzato dall'uff. tecnico.
- Assistenza e formazione del personale addetto alle tecnologie e prodotti CID.
- Certificazioni del prodotto e del processo industriale inerente ogni singolo prodotto.
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- Collaudo preventivo ed assistenza all'avvio delle attrezzature.
- Sinergia e piena partecipazione dello staff tecnico alla risoluzione di casistiche fuori norma.
- Assistenza delle attrezzature in uso.



Our services

- Planning and realisation of parts according to your drawing by our technical department.
- Service and training of the personnel in charge for the technologies and products of CID.
- Certifications of the product and industrial process of each single product.
- Supplying of spare parts and qualified personnel to maintain and repair on a routine and emergency basis.
- First-off and patrol inspection.
- Combined expertise of the Group technical staff to solve problems experienced during the planning.
- Regular servicing of the tooling in use.



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Stabilimento Produttivo CID**
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Le grandi prestazioni dei fissaggi rapidi CID.

Leader nelle forniture all'industria

CID è un'azienda leader e specializzata che opera con successo nel settore dei fissaggi rapidi attraverso un'ampia gamma di prodotti mirati d'impiego industriale. In particolare, le produzioni CID sono omologate, sia nella serie Standard che nelle serie Speciali, dalle principali Case Automobilistiche europee.

CID is a leading company in the fastenings industry providing not only a thorough industrial catalogue of products but also the ability to produce specialised parts to the high quality standards required by automotive companies worldwide

Leader nel servizio

Le forniture CID sono garantite in qualità, perfezione costruttiva e aggiornamento tecnologico. L'intera gamma è disponibile con diverse finiture (zincatura, fosfatazione, dacrometizzazione...) e l'Ufficio Tecnico è a completa disposizione delle Aziende Committenti per valutare e soddisfare qualsiasi specifica esigenza.

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Sistema di piantamento ed alimentazione CID

- 1 Permette il "piantamento a 120 colpi minuto" (a spinta magnetica) ed a 50 colpi/minuto (a vibrazione).
- 2 Economia del 70% rispetto alla saldatura: elimina l'intervento di ripresa
- 3 Perfetta compatibilità con i materiali su cui si interviene.
- 4 Pulizia dell'intervento sul pezzo fissato ed eliminazione di gas inerti dovuti alla saldatura.
- 5 Eliminazione costi di gestione/manutenzione di "un gruppo a saldare".
- 6 Possibilità di realizzare le lavorazioni con "stampi progressivi".
- 7 Miglioramento del 30% della tenuta allo strappo.
- 8 Possibilità di montaggio di dadi zincati su lamiera prezinata (operazione unica).
- 9 Eliminazione della possibilità di formazione di ruggine dovuta alla precedente operazione di saldatura.

- 1 Nut insertion rates of 120/minute can be achieved using a magnetic barrel feeder and 50/minute using a vibratory bowl feeder.
- 2 Time savings of 70% compared to welding (No further operations).
- 3 Perfect compatability with the materials used.
- 4 No secondary cleaning operation caused by weld spatter.
- 5 Management/maintenance of a welded part eliminated.
- 6 Possibility of manufacturing parts using progression dies.
- 7 30% improvement in pull out load.
- 8 Possibility of using line plated nuts as a galvanized metal sheet.
- 9 Elimination of ferrous corrosion caused by welding operation.



Caricatore a vibrazione a quattro vie con sistema di rilievo sicurezza dello stampo in entrata ed una sicurezza in uscita per la pressa.

Dotato di un sistema di sostituzione parti usurate rapido ed economico. Insonorizzato in conformità con le normative CEE.

Four ways magnetic feed loader with a security device placed at the entrance to protect the die and a second security device placed at the exit to the press.

This feeder has a simple and economic system of replacement for worn parts. It is acoustically treated according to the EEC specifications.



Testina di punzonatura e matrice.

Viene montata nello stampo ed utilizzata per l'inserimento del dado nel particolare assiemato.

Punching head and matrix.

They are assembled into the die and used for piercing the nut into the assembled part.

DADI A SALDARE

Welded nuts



DADI A BOTTE

T-nut retainer



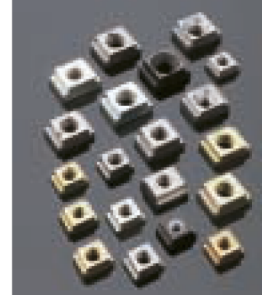
DADI QUADRI

Square nuts



DADI AUTOPERFORANTI

Pierce nuts

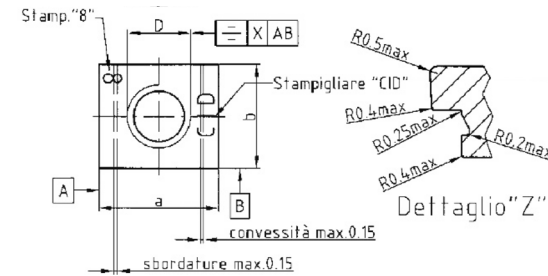
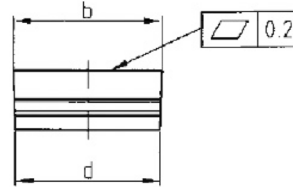
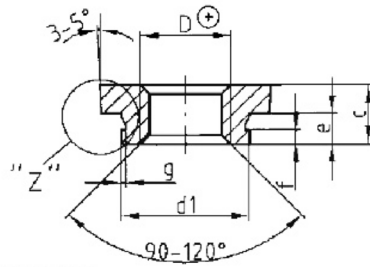


FISSAGGI SPECIALI REALIZZATI SU DISEGNO DEL CLIENTE

Fasteners manufactured according to the customer's requirements



PIERCE NUT - SERIES DP 1300



Part Number	Sheet Thickness	Diameter D (Toll 6G)	a +- 0,13	b +- 0,38	c +- 0,08	d +- 0,10	d1 +- 0,10	e +- 0,10	f +- 0,8	g +- 0,06
DP 1303.165	0.60-1.65	M 3X0.5	9.45	7.25	3.33	7.00	7.10	1.73	0.84	0.27
DP 1304.165	0.60-1.65	M 4X0.7	9.45	7.25	3.33	7.00	7.10	1.73	0.84	0.27
DP 1305.165	0.60-1.65	M 5X0.8	9.45	8.25	3.33	8.00	7.10	1.73	0.84	0.27
DP 1305.174	0.60-1.75	M 5X0.8	12.70	9.55	4.75	9.23	9.35	1.98	0.84	0.27
DP 1305.225	1.20-2.25	M 5X0.8	12.70	9.55	4.75	9.23	9.35	2.77	1.19	0.30
DP 1306.174	0.60-1.75	M 6X1.00	12.70	9.55	4.75	9.23	9.35	1.98	0.84	0.27
DP 1306.225	1.20-2.25	M 6X1.00	12.70	9.55	4.75	9.23	9.35	2.77	1.19	0.30
DP 1306.225.61	1.20-2.25	M 6X1X1	12.70	9.55	4.75	9.23	9.35	2.77	1.19	0.30
DP 1306.225.SX	1.20-2.25	M 6X1 SX	12.70	9.55	4.75	9.23	9.35	2.77	1.19	0.30
DP 1306.300	1.50-3.00	M 6X1.00	12.70	9.55	5.20	9.23	9.35	3.20	1.19	0.30
DP 1307.250	1.50-3.00	M 7X1.00	17.45	12.60	6.38	12.28	12.40	3.17	1.19	0.30
DP 1308.180	0.70-1.80	M 8X1.25	17.45	12.60	5.38	12.28	12.40	2.21	1.19	0.30
DP 1308.250	1.50-2.50	M 8X1.25	17.45	12.60	6.38	12.28	12.40	3.17	1.19	0.30
DP 1308.251	1.50-2.50	M 8X1.00	17.45	12.60	6.38	12.28	12.40	3.17	1.19	0.30
DP 1308.301	1.45-3.00	M 8X1.25	19.00	14.15	7.14	13.85	13.97	3.17	1.19	0.30
DP 1308.350	1.75-3.50	M 8X1.25	17.45	12.60	7.14	12.28	12.40	3.96	1.19	0.30
DP 1310.300	1.45-3.00	M 10X1.25	19.00	14.15	7.14	13.85	13.97	3.17	1.19	0.30
DP 1310.301	1.45-3.00	M 10X1.50	19.00	14.15	7.14	13.85	13.97	3.17	1.19	0.30
DP 1310.302	1.45-3.00	M 10X1.00	19.00	14.15	7.14	13.85	13.97	3.17	1.19	0.30

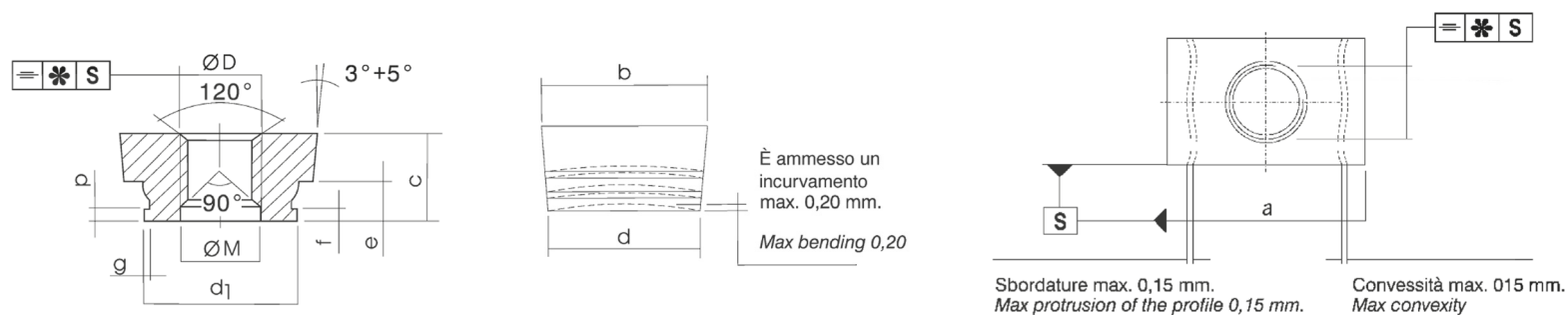
MATERIAL: UNI-EN 20898-2 - NUT CLASS 8-10 - FINISH ZINC-PLATE - PHOSPHATE - GEOMET

SCHEDULE OF TOOLINGS TO FEED AND ASSEMBLE PIERCE NUTS - SERIES DP 1300

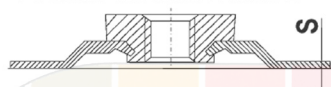
SCHEDULE OF TOOLINGS TO FEED AND ASSEMBLE PIERCE NUTS - SERIES DP 1300													
TYPE OF NUT	PIANTAMENTO			SUPPLY				POWER VIBRATION			PLASTIC CANAL		
	Band Thickness	Heads of Punching	Fixing Matrices	MAGNETIC PUSH SUPPLY		PNEUMATIC PUSH SUPPLY							
				2 way Loader	4 way Loader	2 way Loader	4 way Loader	Vibrating base	Conical Bowl 1 way	Conical Bowl 2 way			
DP 1303.165 DP 1304.165	0,63-1,00	TP 034-101	MT 034-100					1 USCITA	2 USCITE	TC 1300.165	TC 2300.165		
DP 1303.165 DP 1304.165	1,10-1,65		MT 034-150	AL 2300.165	AL 4300.165	AL 2300.165	AL 4300.165						
DP 1305.174 DP/ES 1036.174	0,63-1,00	TP 056-100	MT 056-100							TC 1300.175	TC 2300.175		
DP 1305.174 DP/ES 1036.174	1,10-1,65		MT 056-175	AL 2300.174	AL 4300.174	AL 2300.174	AL 4300.174						
DP 1305.225 DP/ES 1306.225	1,25-1,75	TP 056-150	MT 056-176							TC 1300.225	TC 2300.225		
DP 1305.225 DP/ES 1306.225	1,80-2,25		MT 056-250	AL 2300.225	AL 4300.225	AL 2300.225	AL 4300.225						
DP 1305.300 DP/ES 1306.300	1,50-1,75	TP 056-200	MT 056-177							TC 1300.300	TC 2300.300		
DP 1305.300 DP/ES 1306.300	1,75-2,40		MT 056-240	AL 2300.300	AL 4300.300	AL 2300.300	AL 4300.300						
DP 1305.300 DP/ES 1306.300	2,50-3,00		MT 056-300										
DP/ES 1308.180	1,75-1,50 1,60-1,80		MT 080-150 MT 080-200	AL 2300.180	AL 4300.180	AL 2300.180	AL 4300.180						
DP/ES 1308.180	1,75-1,50 1,60-1,80	TP 080-150	MT 080-150 MT 080-200	AL 2300.180	AL 4300.180	AL 2300.180	AL 4300.180	TC 1300.180	TC 2300.180				
DP/ES 1308.250	1,50-2,25 2,30-2,75	TP 080-250	MT 080-225 MT 080-275	AL 2300.250	AL 4300.250	AL 2300.250	AL 4300.250	TC 1300.250	TC 2300.250				
DP/ES 1308.350	1,75-2,50 2,60-3,00 3,10-3,50	TP 080-300	MT 080-250 MT 080-300 MT 080-350	AL 2300.350	AL 4300.350	AL 2300.350	AL 4300.350	TC 1300.350	TC 2300.350				
DP/ES 1310.300/301	1,25-2,00 2,10-3,00	TP 010-300	MT 010-200 MT 010-300	AL 2300.301	AL 4300.301	AL 2300.301	AL 4300.301	TC 1300.301	TC 2300.301				
LC 1306.200	2,00	TP 080-250-PD	MT PD8-200 R	AL 2300.251-PD	AL 4300.251-PD	AL 2300.251-PD	AL 4300.251-PD	TC 1300.250-PD	TC 2300.250-PD				
LC 1306.250	2,50		MT PD8-250 R										
PD 1308.200	2,00		MT PD8-200 R										
PD 1308.250	2,50		MT PD8-250 R										
CL 1305.174	0,63-1,00 1,10-1,75	TP 056-100	MT 056-100 R MT 056-175 R	AL 2300.174	AL 4300.174	AL 2300.174	AL 4300.174	TC 1300.175	TC 2300.175				
CL 1305.225	1,25-1,75 1,80-2,25	TP 056-150	MT 056-176 R MT 056-250 R	AL 2300.225	AL 4300.225	AL 2300.225	AL 4300.225	TC 1300.225	TC 2300.225				
CL 1306.180	0,75-1,50 1,60-1,80	TP 080-150	MT 080-150 R MT 080-200 R	AL 2300.180	AL 4300.180	AL 2300.180	AL 4300.180	TC 1300.180	TC 2300.180				
CL 1306.250	1,50-2,25 2,30-2,75	TP 080-250	MT 080-225 R MT 080-275 R	AL 2300.250	AL 4300.250	AL 2300.250	AL 4300.250	TC 1300.250	TC 2300.250				
CL 1308.300	1,25-2,00 2,10-3,00	TP 010-300	MT 010-200 R MT 010-300 R	AL 2300.301	AL 4300.301	AL 2300.301	AL 4300.301	TC 1300.301	TC 2300.301				
CL 1306.225	1,25-1,75 1,80-2,25	TP 056-150	MT 056-176 R MT 056-250 R	AL 2300.225	AL 4300.225	AL 2300.225	AL 4300.225	TC 1300.225	TC 2300.225				

NOTE: FOR THE PIERCE NUTS SERIES ES,CL,SV,PD,LC IS USED THE SAME FEEDING AND ASSEMBLY SYSTEM OF SERIES DP 1300.

PIERCE NUT - SERIES ES 1300



Possible execution A and B

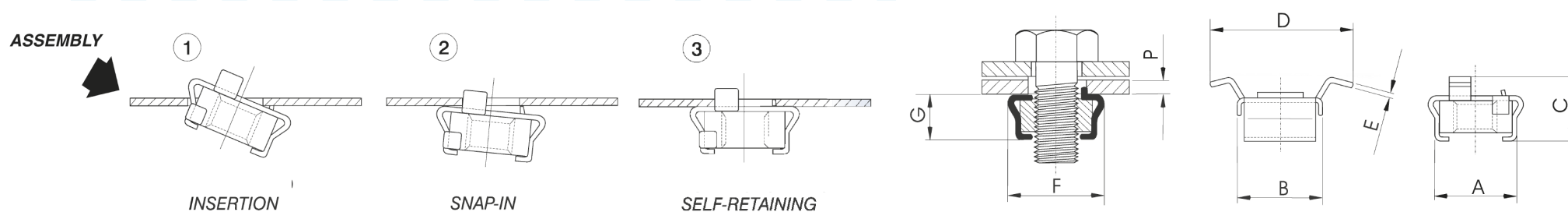


An increase of the max inside diameter of the thread up to 0,2 mm. is permitted for a depth no more than a shed and a half in the upper side of the nut.

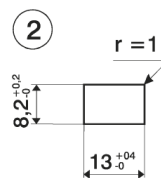
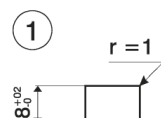
Part Number	Diameter D (6G)	Sheet Thickness	a +0,13	b -0,38	c +0,08	d +0,10	d1 +0,30	e +0,08	f +0,08	g 0,06	D.M +0,15	P +0,15	*
ES.1306.174	M6 X 1,00	0,63-1,75	12,70	9,00	4,75	9,23	9,35	1,98	0,84	0,27	5,60	1,05	0,30
ES.1306.225	M6 X 1,00	1,25-2,25	12,70	9,00	4,75	9,23	9,35	2,77	1,19	0,30	5,60	1,50	0,30
ES.1306.300	M6 X 1,00	1,50-3,00	12,70	9,00	5,20	9,23	9,35	3,20	1,19	0,30	5,60	1,05	0,30
ES.1308.180	M8 X 1,25	0,75-1,80	17,45	12,60	5,38	12,28	12,40	3,21	1,07	0,30	7,50	1,40	0,40
ES.1308.250	M8 X 1,25	1,5-2,5	17,45	12,60	6,38	12,28	12,40	3,17	1,19	0,30	7,50	1,40	0,40
ES.1308.350	M8 X 1,25	1,75-3,50	17,45	12,60	7,14	12,28	12,40	3,96	1,19	0,30	8,00	1,40	0,40
ES.1308.200	M8 X 1,25	2	17,45	12,60	6,38	12,28	12,40	1,70	0,72	0,40	8,00	1,40	0,40
ES.1308.250	M8 X 1,25	2,5	17,45	12,60	6,38	12,28	12,40	2,00	1,00	0,40	8,00	1,40	0,40
ES.1310.301	M10 X 1,50	1,45-3,00	19,00	14,15	7,14	13,85	13,97	3,17	1,19	0,30	9,40	1,60	0,40

MATERIAL: UNI-EN 20898-2 - NUT CLASS 8-10 - FINISH ZINC-PLATE - PHOSPHATE - GEOMET

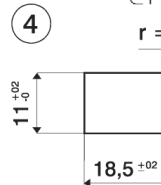
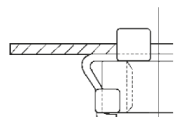
CAGE NUT - SERIES 2000



BORES TO BE USED



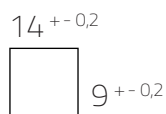
3



MATERIAL:
CAGE: CARBON STEEL C70
OIL TEMPERED

NUT: STEEL CLASS 8 (R
600-700 N/mm²)

FINISH:
ZINC-PLATED YELLOW
PASSIVATED

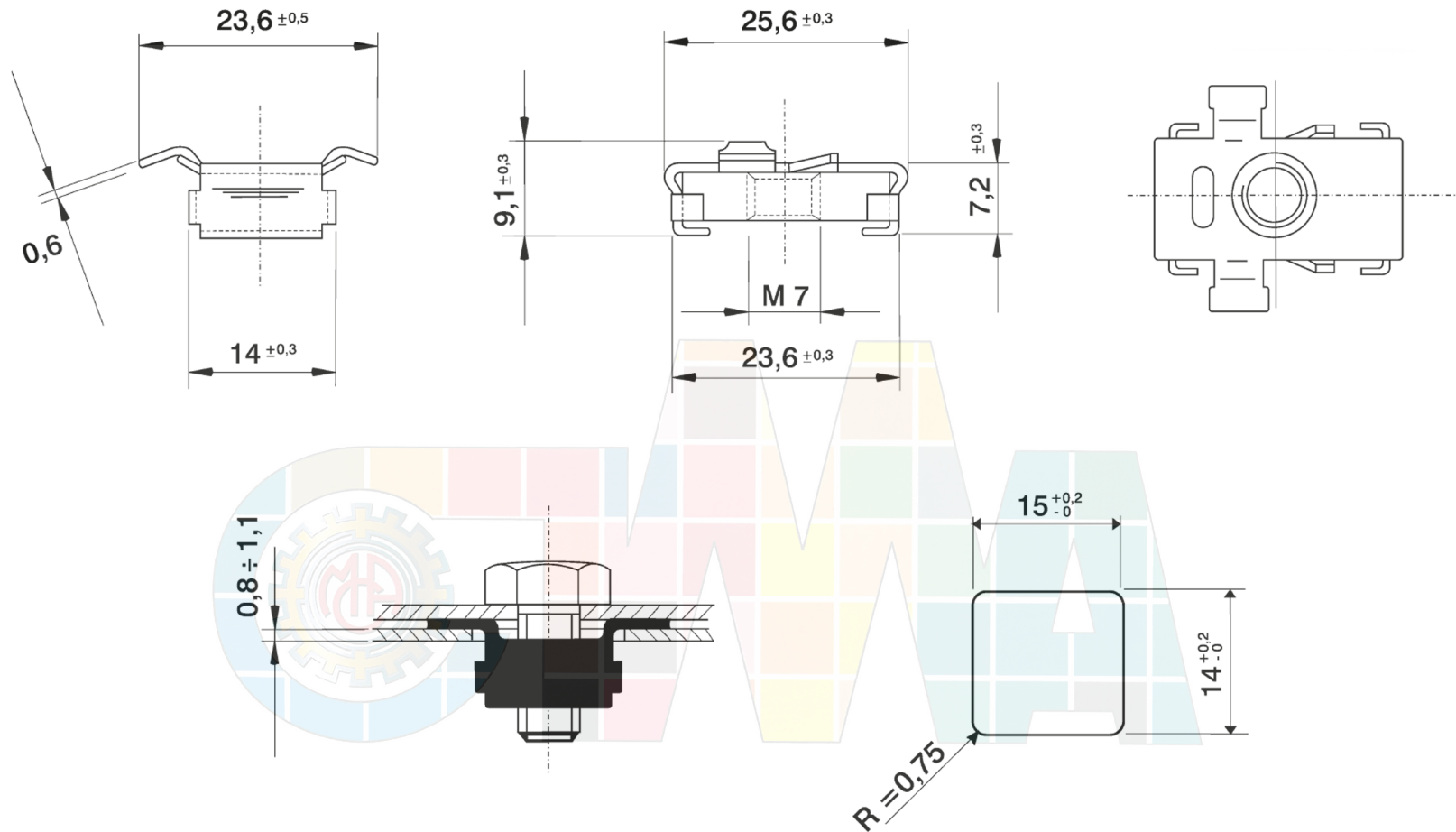


INOX

INOX

Part Number	thread	P= panel range mm	A +0,3	B +0,3	C +0,3	D +0,5	E	F +0,3	G +0,3	Bore
2004-A	M-4	0,4 ÷ 0,7	11,2	12	7,4	20	0,5	13	6	1
2004-B		0,8 ÷ 1,1			7,8	19,5				1
2004-C		1,2 ÷ 1,5			8	19				1
2004-D		1,6 ÷ 1,9			8,6	18,5				1
2004-E		2 ÷ 2,3			9	18				2
2005-A	M-5	0,4 ÷ 0,7	11,2	12	7,4	20	0,5	13	6	1
2005-B		0,8 ÷ 1,1			7,8	19,5				1
2005-C		1,2 ÷ 1,5			8	19				1
2005-D		1,6 ÷ 1,9			8,6	18,5				1
2500-E		2 ÷ 2,3			9	18				2
2006-A	M-6	0,4 ÷ 0,7	11,2	12	7,4	20	0,5	13	6	1
2006-B		0,8 ÷ 1,1			7,8	19,5				1
2006-C		1,2 ÷ 1,5			8	19				1
2006-D		1,6 ÷ 1,9			8,6	18,5				1
2006-E		2 ÷ 2,3			9	18				2
2016-A	M-6	0,6 ÷ 0,9	12,5	13,5	8	22	0,6	15,4	6,5	3
2016-B		1 ÷ 1,3			8	21,5				
2016-C		1,4 ÷ 1,7			9,1	21				
2016-D		1,8 ÷ 2,1			9,5	20,5				
2017-A		0,6 ÷ 0,9			8	22				
2017-B	M-7	1 ÷ 1,3	12,5	13,5	8	21,5	0,6	15,4	6,5	3
2017-C		1,4 ÷ 1,7			9,1	21				
2017-D		1,8 ÷ 2,1			9,5	20,5				
2027-A		0,6 ÷ 0,9			9	28				
2027-B		1 ÷ 1,3			9,4	28				
2027-C	M-8	1,4 ÷ 1,7	15,5	17,5	9	28	0,7	19	7,4	4
2027-D		1,8 ÷ 2,1			10	26,5				
2027-E		2,2 ÷ 2,5			10,6	25,5				
2028-A		0,6 ÷ 0,9			9	28				
2028-B		1 ÷ 1,3			9,4	28				
2028-C	M-8	1,4 ÷ 1,7			9	28				
2028-D		1,8 ÷ 2,1			10	26,5				

CAGE NUT - SERIES 2000-L



MATERIAL:

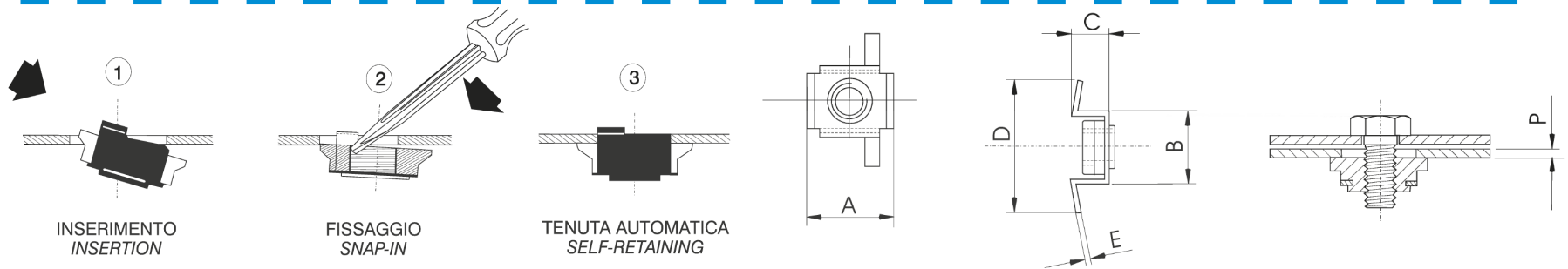
CAGE - CARBON STEEL 50 CR V4 OIL TEMPERED

NUT - STEEL CLASS 8 (R600/700 N/mm²)

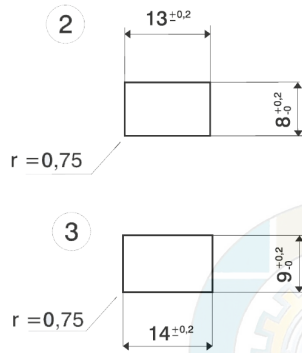
FINISH - PHOSPHATE OR ZINC-PLATE

CAGE NUT - SERIES 4000

MONTAGGIO ASSEMBLY



BORES TO BE USED



MATERIAL:

CAGE: CARBON STEEL C70 OIL TEMPERED

NUT: STEEL CLASS 8 (R 600-700 N/mm²)

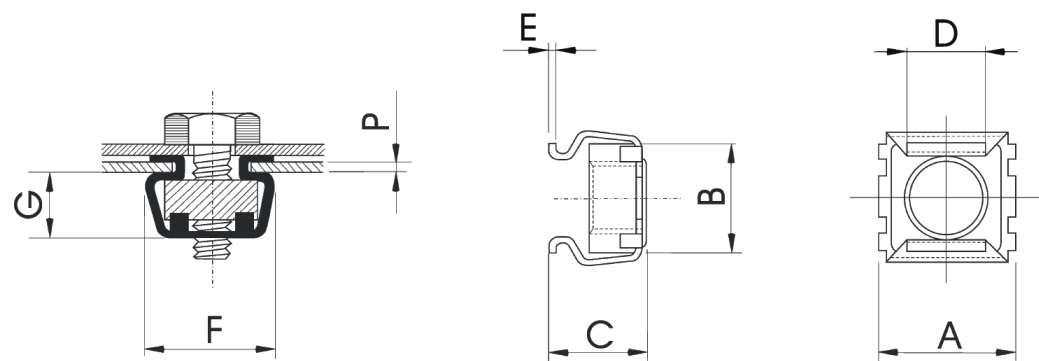
FINISH: ZINC-PLATED YELLOW PASSIVATED

Part Number	thread	P= Panel range mm	A +0,1 -0,3	B +0,1	C	D +0,6	E	Colour code	Bore
4005-A	M-5	0,5±0,6	14	12,4	5,6	20	0,5	nero/black	2
4005-B		0,7±0,8			5,8			verde scuro/dark green	
4005-C		0,9±1			6			grigio/gray	
4005-D		1,2±1,3			6,3			blu/blue	
4005-E		1,5±1,6			6,6			verde chiaro/light green	
4005-F		1,7±1,8			6,8			rosso/red	
4005-G		2±2,1			7,1			giallo/yellow	
4006-A	M-6	0,5±0,6	14	12,4	5,6	20	0,5	nero/black	2
4006-B		0,7±0,8			5,8			verde scuro/dark green	
4006-C		0,9±1			6			grigio/gray	
4006-D		1,2±1,3			6,3			blu/blue	
4006-E		1,5±1,6			6,6			verde chiaro/light green	
4006-F		1,7±1,8			6,8			rosso/red	
4006-G		2±2,1			7,1			giallo/yellow	
4016-A	M-6	0,5±0,6	15,5	13,6	6,3	21,6	0,5	nero/black	3
4016-B		0,7±0,8			6,5			verde scuro/dark green	
4016-C		0,9±1			6,7			grigio/gray	
4016-D		1,2±1,3			7			blu/blue	
4016-E		1,5±1,6			7,3			verde chiaro/light green	
4016-F		1,7±1,8			7,5			rosso/red	
4016-G		2±2,1			7,8			giallo/yellow	
4017-A	M-6	0,5±0,6	15,5	13,6	6,3	21,6	0,5	nero/black	3
4017-B		0,7±0,8			6,5			verde scuro/dark green	
4017-C		0,9±1			6,7			grigio/gray	
4017-D		1,2±1,3			7			blu/blue	
4017-E		1,5±1,6			7,3			verde chiaro/light green	
4017-F		1,7±1,8			7,5			rosso/red	
4017-G		2±2,1			7,8			giallo/yellow	
4027-A	M-7	0,5±0,6	17,5	16	7,6	26	0,6	nero/black	4
4027-B		0,7±0,8			7,8			verde scuro/dark green	
4027-C		0,9±1			8			grigio/gray	
4027-D		1,2±1,3			8,3			blu/blue	
4027-E		1,5±1,6			8,6			verde chiaro/light green	
4027-F		1,7±1,8			8,8			rosso/red	
4027-G		2±2,1			9,1			giallo/yellow	
4028-A	M-8	0,5±0,6	17,5	16	7,6	26	0,6	nero/black	4
4028-B		0,7±0,8			7,8			verde scuro/dark green	
4028-C		0,9±1			8			grigio/gray	
4028-D		1,2±1,3			8,3			blu/blue	
4028-E		1,5±1,6			8,6			verde chiaro/light green	
4028-F		1,7±1,8			8,8			rosso/red	
4028-G		2±2,1			9,1			giallo/yellow	

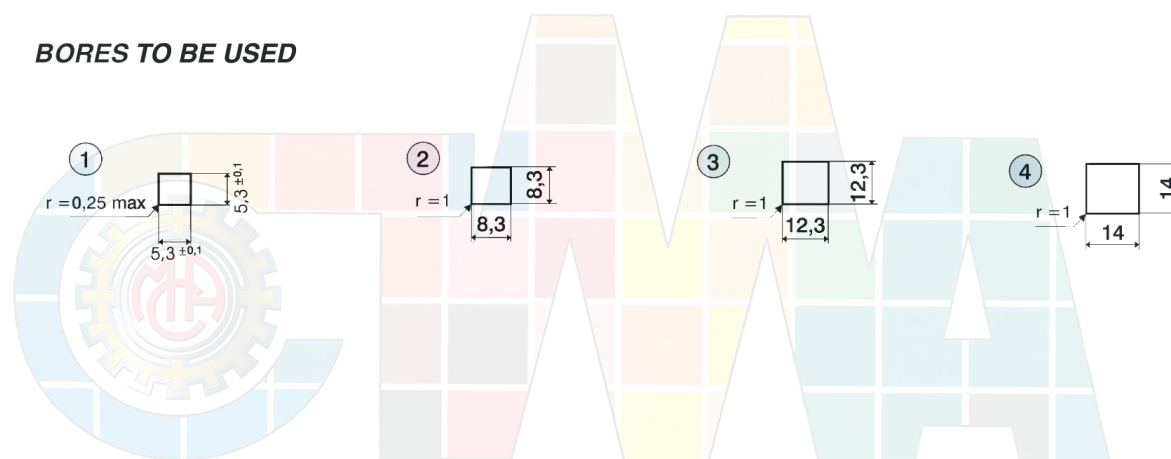
CAGE NUT - SERIES 5000

Part Number	thread	P= Panel range mm	A +0,6	B +0,5	C +0,3	D +0,2	E +0,04	F +0,3	G +0,3	Colour code	Bore
5003-A	M-3	0,3÷0,9	9	8	5,2	4,8	0,3	9	3,6	giallo/yellow	1
5003-B		1÷1,6			5,9						
5003-C		1,7÷2,3			6,6						
5003-D		2,4÷3,1			7,4						
5004-A		0,3÷0,9	9	8	5,2	4,8	0,3	9	3,6	bianco/white	1
5004-B		1÷1,6			5,9						
5004-C		1,7÷2,3			6,6						
5004-D		2,4÷3,1			7,4						
5014-O	M-4	0,3÷1	12	11,4	7,6	7,2	0,45	12,2	6	giallo/yellow	2
5014-A		1,2÷1,6			8						
5014-B		1,7÷2,5			9						
5014-C		2,6÷3,5			1						
5014-D		3,6÷4,5			11						
5015-O	M-5	0,3÷1,1	12	11,4	7,6	7,2	0,45	12,2	6	blu/blue	2
5015-A		1,2÷1,6			8						
5015-B		1,7÷2,5			9						
5015-C		2,6÷3,5			10						
5015-D		3,6÷4,5			11						
5016-O	M-6	0,3÷1,1	12	11,4	7,6	7,2	0,45	12,2	6	bianco/white	2
5016-A		1,2÷1,6			8						
5016-B		1,7÷2,5			9						
5016-C		2,6÷3,5			10						
5016-D		3,6÷4,5			11						
					C +0,4			Fmin.	G +0,4		
5026-A	M-6	1÷1,7	16	15,5	10,4	10,6	0,5	16	7,8	giallo/yellow	3
5026-B		1,8÷3,2			12						
5026-C		3,3÷4,7			13,5						
5026-D		4,8÷6			15					neutro	
5028-A	M-8	1÷1,7	16	15,5	10,4	10,6	0,5	16	7,8	blu/blue	3
5028-B		1,8÷3,2			12						
5028-C		3,3÷4,7			13,5						
5028-D		4,8÷6			15					neutro	
5020-A	M-10	1÷1,7	16	15,5	10,4	10,6	0,5	16	7,8	bianco/white	3
5020-B		1,8÷3,2			12						
5020-C		3,3÷4,7			13,5						
5020-D		4,8÷6			15					neutro	
								F +0,3			
5030-A		1÷1,7	20	19	13,5	12,6	0,6	20,5	10,4	bianco/white	4
5030-B		1,8÷3,2			15						
5030-C		3,3÷4,7			16,5						
5030-D		4,8÷6,2			18						
5032-A	M-12	1÷1,7	20	19	13,5	12,6	0,6	20,5	10,4	giallo/yellow	4
5032-B		1,8÷3,2			15						
5032-C		3,3÷4,7			16,5						
5032-D		4,8÷6,2			18						
5032		2,4÷2,8			14,8						

CAGE NUT - SERIES 5000



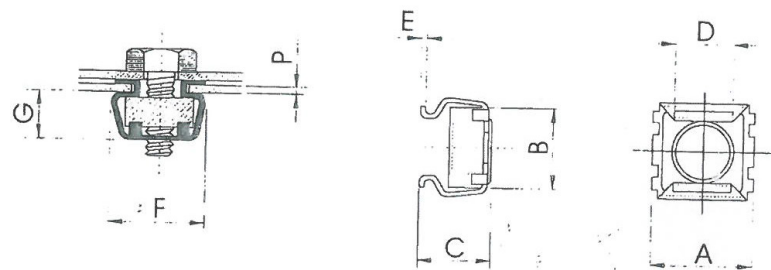
BORES TO BE USED



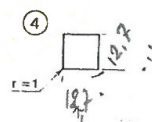
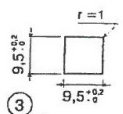
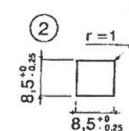
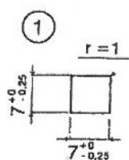
MATERIAL:

CAGE: STAINLESS STEEL AISI 301 - NUT: STEEL CLASS 8 (R 600-700 N/mm²) - FINISH: TRIVALENT ZINC-PLATED DELTATONE

CAGE NUT - SERIES 6000



BORES TO BE USED

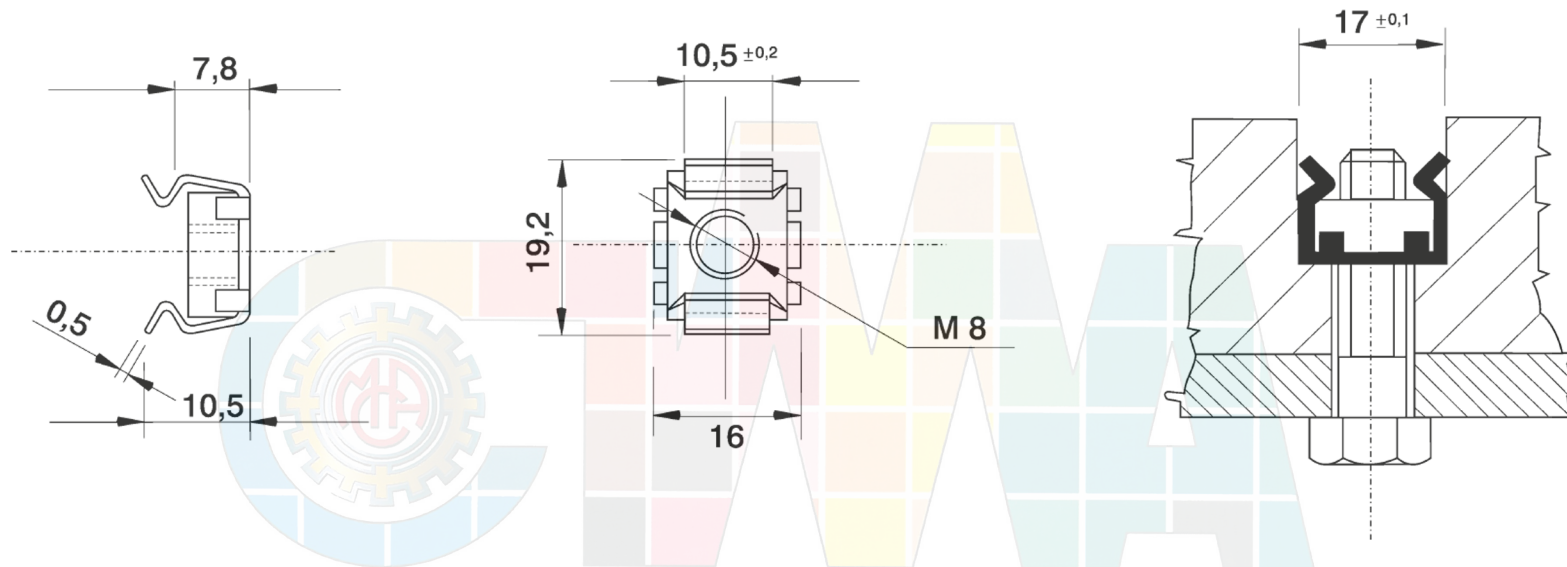


Client's Ref.	Ø Thread	P= Panel range mm	Part. N.	A 0,6	B +0,5	C +0,3	D +0,2	E	F +0,3	G +0,3	Colour Code	Bore
	M3	0,7 ÷ 1,6	6003-A	10	9	7,2	5,8	0,45	10,3	4,8	YELLOW	1
		1,8 ÷ 2,6	6003-B			8						
	M4	0,7 ÷ 1,6	6004-A	10	9	7,2	5,8	0,45	10,3	4,8	YELLOW	1
		1,8 ÷ 2,6	6004-B			8						
	M5	0,7 ÷ 1,6	6005-A	10	9	7,2	5,8	0,45	10,3	4,8	YELLOW	1
		1,8 ÷ 2,6	6005-B			8						
		0,7 ÷ 1,6	6014-A			8						
	M4	1,8 ÷ 2,6	6014-B	13,5	11,8	9	8	0,45	13,5	6,4	YELLOW	2
		1,8 ÷ 2,6	6014-C			9						
		0,7 ÷ 1,6	6015-A			8						
	M5	1,8 ÷ 2,6	6015-B	13,5	11,8	9	8	0,45	13,5	6,4	YELLOW	2
		1,8 ÷ 2,6	6015-C			9						
		0,7 ÷ 1,6	6016-A			8						
	M6	1,8 ÷ 2,6	6016-B	13,5	11,8	9	8	0,45	13,5	6,4	YELLOW	2
		1,8 ÷ 2,6	6016-C			9						
		0,7 ÷ 1,6	6025-A			9		0,45				
	M5	1,8 ÷ 2,6	6025-B			10						
		0,7 ÷ 1,6	6026-A	13	12,7	9	8,5	0,45	13,7	6,5	YELLOW	3
	M6	1,8 ÷ 2,6	6026-B			10						
		0,7 ÷ 1,1	6035-A			8		0,45				
		1,2 ÷ 2,2	6035-B			9						
	M5	2,3 ÷ 3,1	6035-C	13,8	13	10,3	8	0,45	14,6	6,5	YELLOW	3
		3,2 ÷ 4,1	6035-D			11,3						
		0,7 ÷ 1,1	6036-A			8		0,45				
	M6	1,2 ÷ 2,2	6036-B	13,8	13	9	8	0,45	14,6	6,5	YELLOW	3
		2,3 ÷ 3,1	6036-C			10,3						
		3,2 ÷ 4,1	6036-D			11,3						
		0,7 ÷ 1,7	6038-A			10,4						
	M8	1,8 ÷ 3	6038-B	16,5	-	11,6	7,5	0,6	17,5	7,6		4
		3,1 ÷ 4,3	6038-C			12,8						
		0,7 ÷ 1,7	6040-A			10,4						
	M10	1,8 ÷ 3	6040-B	16,5	-	11,6	7,5	0,6	17,5	7,6		4
		3,1 ÷ 4,3	6040-C			12,8						

MATERIAL:

CAGE: CARBON STEEL C70/AISI 301 - NUT: STEEL CLASS 8 (R 600-700 N/mm²) - FINISH:ZINC-PLATED

CAGE NUT - SERIES 502 1



MATERIAL:

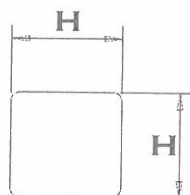
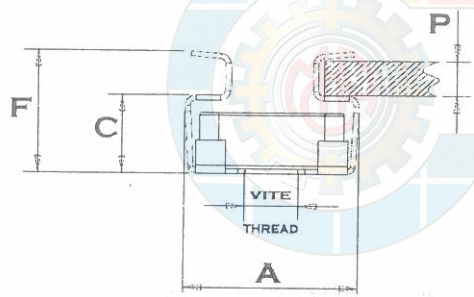
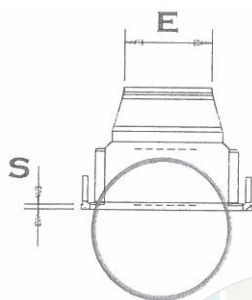
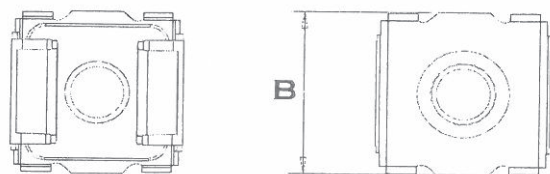
CAGE - CARBON STEEL 50 CR V4 OIL TEMPERED

NUT - STEEL CLASS 8 (R600/700 N/mm²)

FINISH - PHOSPHATE OR ZINC-PLATE

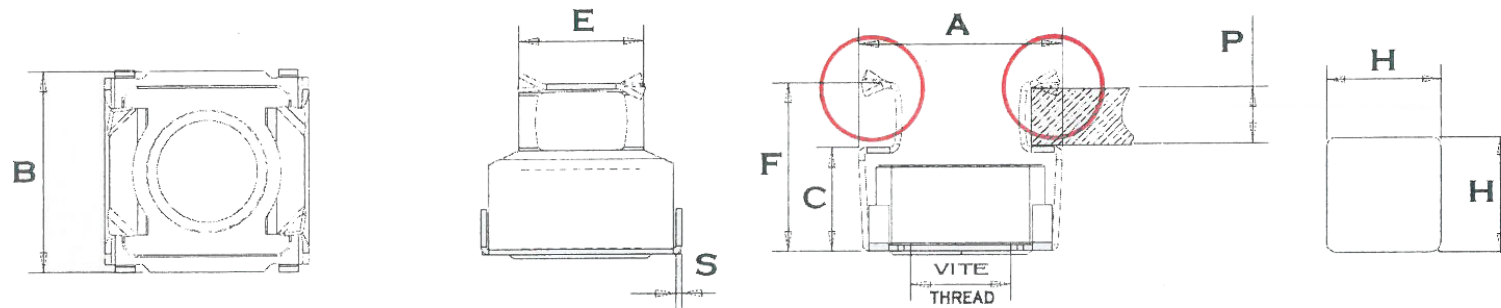
CUSTOMER REQUEST

CAGE NUTS - SERIES 25



Part Number	Int. Ref.	Hole	Screw	P (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	S (mm)
25003A	533 A/AX/AXX	0	M3	0,3-0,9	9,7	9,5	3,6	4,8	5,2	0,3
25003B	533 B/BX/BXX			1-1,6					5,9	
25003C	533 C/CX/CXX			1,7-2,3					6,6	
25003D	533 D/DX/DXX			2,4-3,1					7,4	
25004A	534 A/AX/AXX	0	M4	0,3-0,9	9,7	9,5	3,6	4,8	5,2	0,3
25004B	534 B/BX/BXX			1-1,6					5,9	
25004C	534 C/CX/CXX			1,7-2,3					6,6	
25004D	534 D/DX/DXX			2,4-3,1					7,4	
25204A	834 0/0X/0XX	2	M4	0,3-1,1	12,2	12	6	7,2	7,6	0,35
25204B	834 A/AX/AXX			1,2-1,6					8	
25204C	834 B/BX/BXX			1,7-2,5					9	
25204D	834 C/CX/CXX			2,6-3,5					10	
25204E	834 D/DX/DXX	2	M5	3,6-4,3	12,2	12	6	7,2	11,2	0,4
25205A	835 0/0X/0XX			0,3-1,1					7,6	
25205B	835 A/AX/AXX			1,2-1,6					8	
25205C	835 B/BX/BXX			1,7-2,5					9	
25205D	835 C/CX/CXX	2	M6	2,6-3,5	12,2	12	6	7,2	10	0,4
25205E	835 D/DX/DXX			3,6-4,3					11,2	
25206A	836 0/0X/0XX			0,3-1,1					7,6	
25206B	836 A/AX/AXX			1,2-1,6					8	
25206C	836 B/BX/BXX	2	M6	1,7-2,5	12,2	12	6	7,2	9	0,4
25206D	836 C/CX/CXX			2,6-3,5					10	
20206E	836 D/DX/DXX			3,6-4,3					11,2	
25304A	954 A/AX/AXX	3	M4	0,7-1,6	13,5	13,1	6,3	8,2	8,6	0,4
25304B	954 B/BX/BXX			1,7-2,7					9,6	
25304C	954 C/CX/CXX			2,8-3,8					10,6	
25305A	955 A/AX/AXX	3	M5	0,7-1,6	13,5	13,1	6,3	8,2	8,6	0,4
25305B	955 B/BX/BXX			1,7-2,7					9,6	
25305C	955 C/CX/CXX			2,8-3,8					10,6	
25306A	956 A/AX/AXX	3	M6	0,7-1,6	13,5	13,1	6,3	8,2	8,6	0,4
25306B	956 B/BX/BXX			1,7-2,7					9,6	
25306C	956 C/CX/CXX			2,8-3,8					10,6	
25406A	1236 A/AX/AXX	4	M6	0,7-1,7	16,6	16,4	7,8	10,6	10,4	0,5
25406B	1236 B/BX/BXX			1,8-3,2					12	
25406C	1236 C/CX/CXX			3,3-4,7					13,5	
25406D	1236 D/DX/DXX			4,8-6					15	
25408A	1238 A/AX/AXX	4	M8	0,7-1,7	16,6	16,4	7,8	10,6	10,4	0,5
25408B	1238 B/BX/BXX			1,8-3,2					12	
25408C	1238 C/CX/CXX			3,3-4,7					13,5	
25408D	1238 D/DX/DXX			4,8-6					15	
25410A	1231 A/AX/AXX	4	M10	0,7-1,7	16,6	16,4	7,8	10,6	10,4	0,5
25410B	1231 B/BX/BXX			1,8-3,2					12	
25410C	1231 C/CX/CXX			3,3-4,7					13,5	
25410D	1231 D/DX/DXX			4,8-6					15	
25808A	1408 A/AX/AXX	8	M8	1-1,7	20,5	20,2	10,4	12,6	13,5	0,6
25808B	1408 B/BX/BXX			1,8-3,2					15	
25808C	1408 C/CX/CXX			3,3-4,7					16,5	
25808D	1408 D/DX/DXX			4,8-6,2					18	
25810A	1410 A/AX/AXX	8	M10	1-1,7	20,5	20,2	10,4	12,6	13,5	0,6
25810B	1410 B/BX/BXX			1,8-3,2					15	
25810C	1410 C/CX/CXX			3,3-4,7					16,5	
25810D	1410 D/DX/DXX			4,8-6,2					18	
25812A	1412 A/AX/AXX	8	M12	1-1,7	20,5	20,2	10,4	12,6	13,5	0,6
25812B	1412 B/BX/BXX			1,8-3,2					15	
25812C	1412 C/CX/CXX			3,3-4,7					16,5	
25812D	1412 D/DX/DXX			4,8-6,2					18	

CAGE NUTS - SERIES 15-MT



Part Number	Int. Ref.	Hole	Screw	P (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	S (mm)
15304T	954 B/BX/BXX MT	3	M4	0,9-2,0	13,5	13,2	6,3	8	9,6	0,4
15305T	955 B/BX/BXX MT	3	M5	0,9-2,0	13,5	13,2	6,3	8	9,6	0,4
15306T	956 B/BX/BXX MT	3	M6	0,9-2,0	13,5	13,2	6,3	8	9,6	0,4
15808T	1408 C/CX/CXX MT	8	M8	2,0-3,8	20,5	20,2	10,4	12,6	16,5	0,6
15810T	1410 C/CX/CXX MT	8	M10	2,0-3,8	20,5	20,2	10,4	12,6	16,5	0,6
15812T	1412 C/CX/CXX MT	8	M12	2,0-3,8	20,5	20,2	10,4	12,6	16,5	0,6

X = STAINLESS STEEL CAGE - NT STEEL CL.6

XX = STAINLESS STEEL CAGE AND NUT

NUT MATERIAL AND COATING

STEEL CL. 6 EN 20898-2 AND SEE COATINGS TABLE

X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)

CAGE RAW MATERIAL

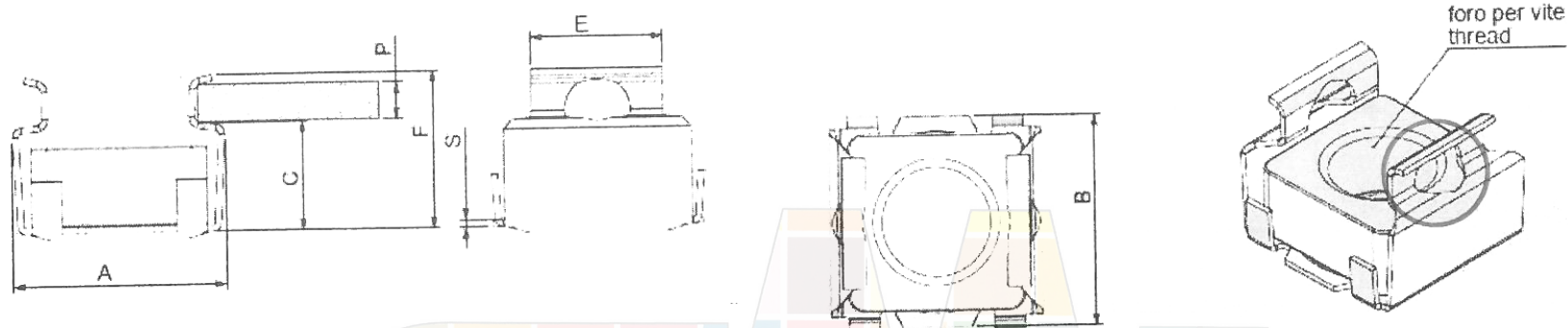
C67S+AC EN 10132-4

X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)

CAGE COATING

Zinc Plate - Phosphate - Geomet (As per customer request)

CAGE NUTS - SERIES 10/15/25 - SPECIAL RELEASE



Part Number	Int. Ref.	Hole	Screw	P (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	S (mm)
15808L		14	M8	1,8-3,2	20,5	20,2	10,4	12,6	15	0,6
15810L			M10							
15812L			M12							

NUT MATERIAL AND COATING

STEEL CL. 6 EN 20898-2 AND SEE COATINGS TABLE

X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)

CAGE RAW MATERIAL

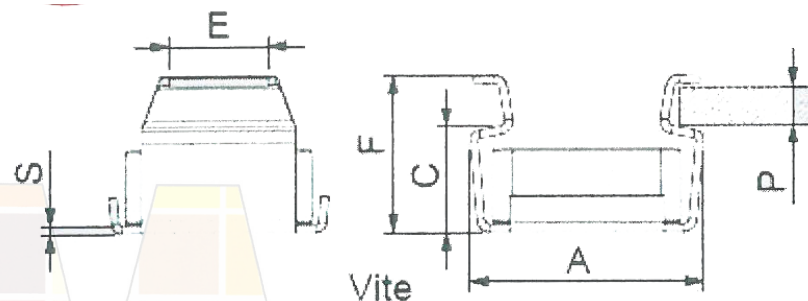
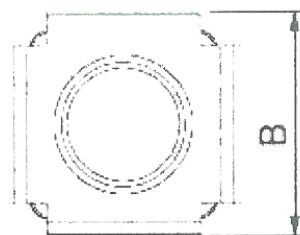
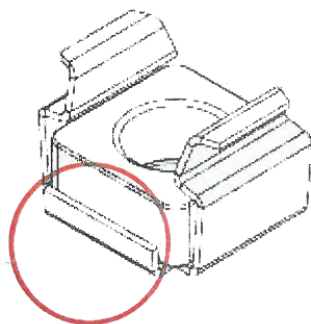
C67S+AC EN 10132-4

X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)

CAGE COATING

Zinc Plate - Phosphate - Geomet (As per customer request)

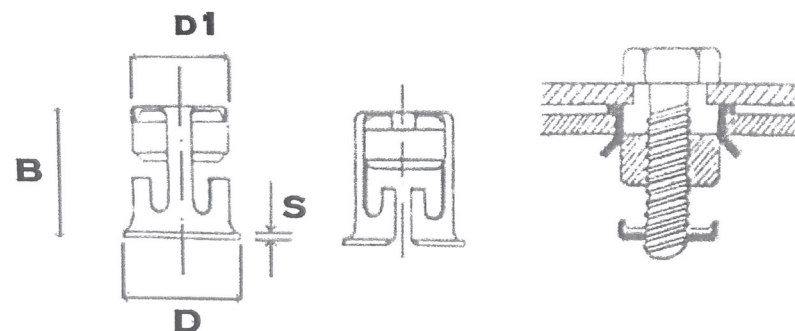
CAGE NUTS - SERIES 10/15/25 - SPECIAL RELEASE



Part Number	Int. Ref.	Hole	Screw	P (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	S (mm)
10406L		12,7	M6	1,8-3,0	17,5	16,7	7,6	7,5	11,6	0,6
10408L			M8							
10410L			M10							

NUT MATERIAL AND COATING
STEEL CL. 6 EN 20898-2 AND SEE COATINGS TABLE
X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)
CAGE RAW MATERIAL
C67S+AC EN 10132-4
X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)
CAGE COATING
Zinc Plate - Phosphate - Geomet (As per customer request)

TUBETTO T400



Part Number	Sheet Thickness	Screw	D (mm)	B (mm)	d1 (mm)	S (mm)	Hole
M03T101	0,7-4* 1,5-5	M3	12,3	13	9,9	0,6	Ø 10,1
M04T101	0,7-4* 1,5-5	M4	12,3	13	9,9	0,6	Ø 10,1
M05T101	0,7-4* 1,5-5	M5	12,3	13	9,9	0,6	Ø 10,1
M06T101	0,7-4* 1,5-5	M6	12,3	13	9,9	0,6	Ø 10,1
M08T132	1-6* 1,5-7	M8	15,2	18	12,8	0,9	Ø 13,2

* HOLES WITHOUT CHAMFER

NUT MATERIAL AND COATING

STEEL CL 6 EN 20898-2 and Fe/Zn7/A EN 2081

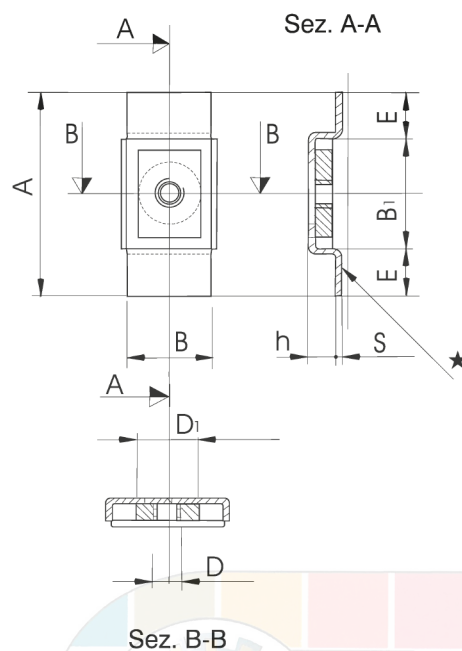
CAGE MATERIAL AND COATING

DC01 EN 10139 and Fe/Zn7/A EN 2081

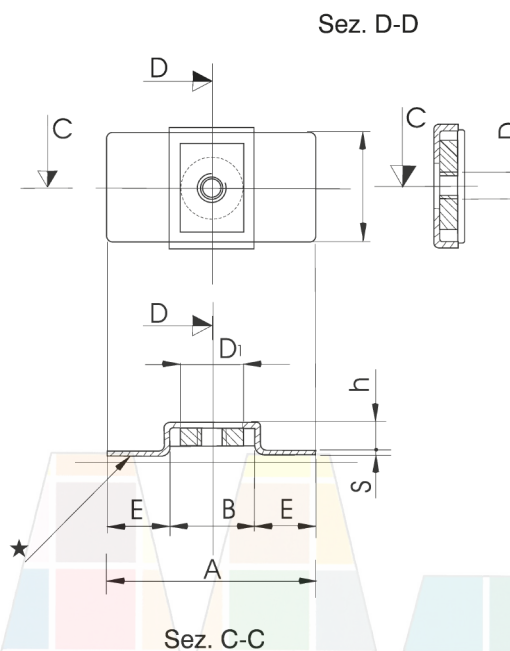
FASTENING CAGES FOR RECTANGULAR NUTS - SERIES F 200

* Spot welding

TIPO A



TIPO B

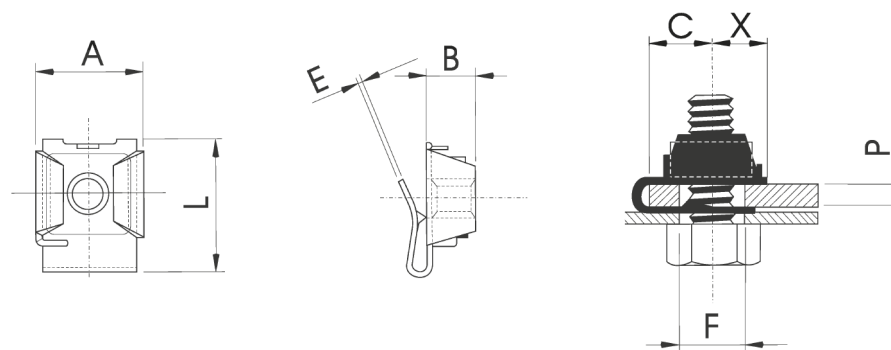


Part Number	D (6H)	Tipe	A	B	B 1	E	h	s	D 1
F 204 A	M4	A	38	12	16	11	4,5	1	8
F 204 B		B	34						
F 205 A	M5	A	42	15	20		5		10
F 205 B		B	37						
F 206 A	M6	A	46	18	24		6		12
F 206 B		B	40						
F 208 A	M8	A	59	24	32	13,5	7,5	1,5	16
F 208 B		B	51						
F 210 A	M10 x 1,25	A	73	30	40	16,5	8,5	1,5	20
F 210 B		B	63						
F 212 A	M12 x 1,25	A	73	30	30	16,5	8,5	1,5	20
F 212 B		B	63						

MATERIAL:

CAGE: DC 01 - NUT:STEEL CLASS 8 (R 600-700 N/mm²) - FINISH:RAW

CAGE NUT - SERIES 7000

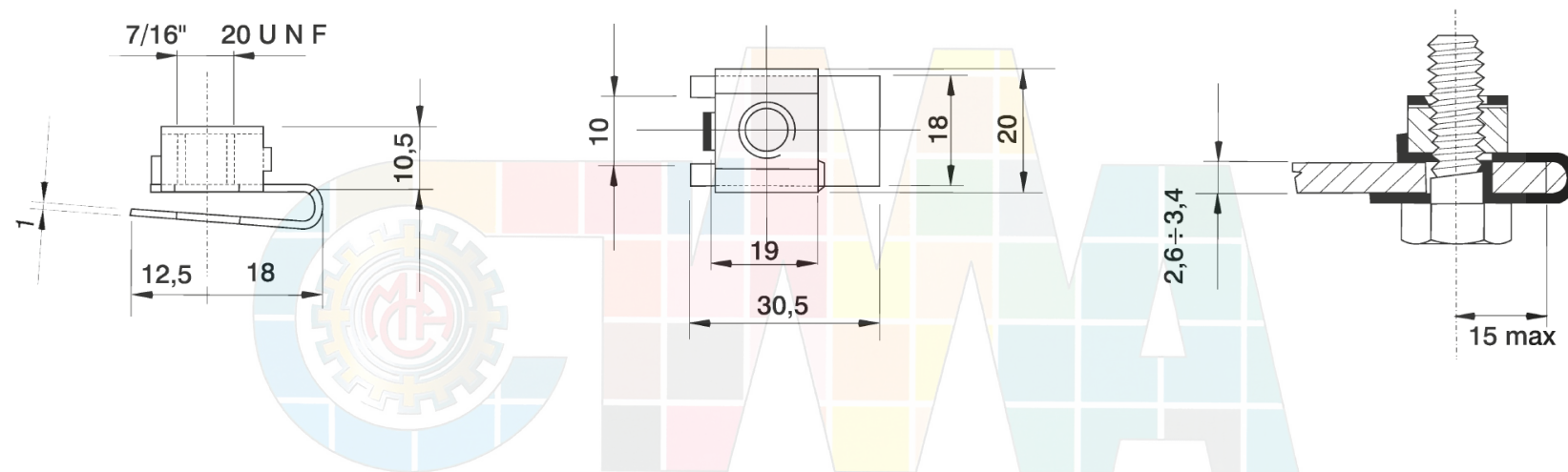


Part Number	thread	P= Panel range mm	L +0,3	A +0,6	B +0,5	X	C max	E	ø F
7003-A	M-4	0,4÷0,8	15,8	11,7	4	7	6,5	0,5	5
7004-A		0,5÷1,1	15,8		6,4		7,3	0,6	
7004-B		1,2÷1,8	15,6		6,4		6,8	0,6	
7004-C		1,9÷2,5	15,5		6,4		6,4	0,6	
7005-A	M-5	0,5÷1,1	15,8	11,7	6,4	7	7,3	0,6	7
7005-B		1,2÷1,8	15,6				6,8	0,6	7
7005-C		1,9÷2,5	15,5				6,4	0,6	7
7005-D		2,6÷3,1	14,8				6	0,6	6
7006-A	M-6	0,5÷1,1	15,8	11,7	6,4	7	7,3	0,6	7
7006-B		1,2÷1,8	15,6				6,8	0,6	
7006-C		1,9÷2,5	15,5				6,4	0,6	

MATERIAL:

CAGE: CARBON STEEL C70 OIL TEMPERED - NUT: STEEL CLASS 8 (R 600-700 N/mm²) - FINISH: ZINC-PLATED

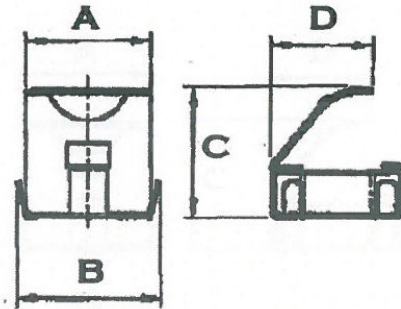
CAGE NUT - SERIES N-7 16



MATERIAL:

CAGE: CARBON STEEL C70 OIL TEMPERED - NUT: STEEL CLASS 8 (R 600-700 N/mm²) - FINISH: PHOSPHATE - ZINC-PLATED

PROFILE CAGE NUTS



Part Number	Screw	A (mm)	B (mm)	C (mm)	D (mm)	Thickness (mm)
DP0204	M4	11	12	10	8	0,2
DP0205	M5					
DP0206	M6					
DP0254	M4	11	12	10	8	0,25
DP0255	M5					
DP0256	M6					

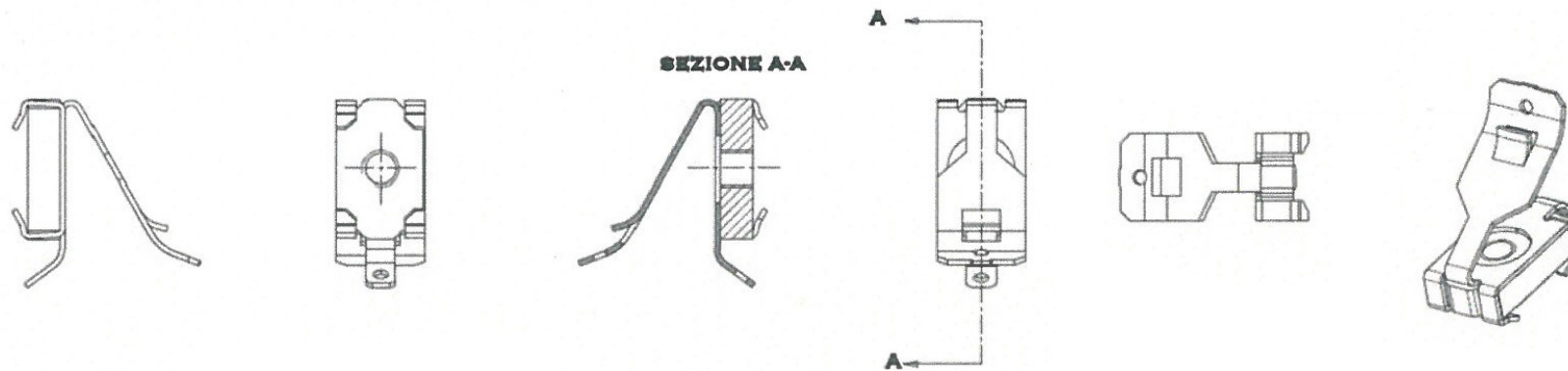
NUT MATERIAL AND COATING

STEEL CL. 6 EN 20898-2 AND SEE COATINGS TABLE

CAGE RAW MATERIAL

X5CrNi 18-10 EN 10088-2 (1.4301) (AISI 304)

19" RACK CAGE NUTS



Part Number	Screw	Thickness (mm)
DR0195	M5	0,7
DR0196	M6	
DR0198	M8	

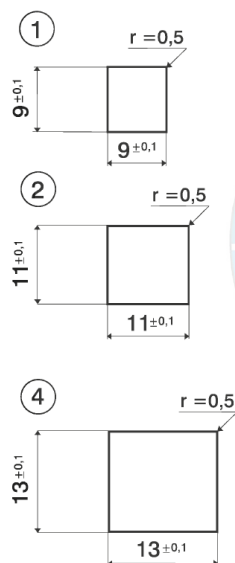
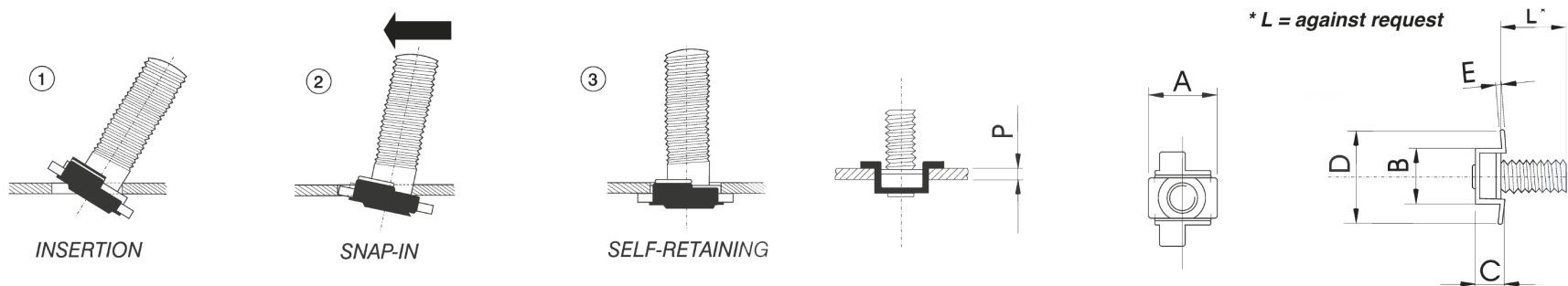
NUT MATERIAL AND COATING
 STEEL C22 EN 10139 AND SEE COATINGS TABLE
 HARDENING AND TEMPERING HARDNESS HRC 33-38

(C) CAGE RAW MATERIAL
 C67S+AC EN 10132-4
 HARDENING AND TEMPERING HARDNESS HRC 46-50

(W) CAGE COATING
 SEE COATINGS TABLE

CAGE NUT - SERIES 8000

ASSEMBLY

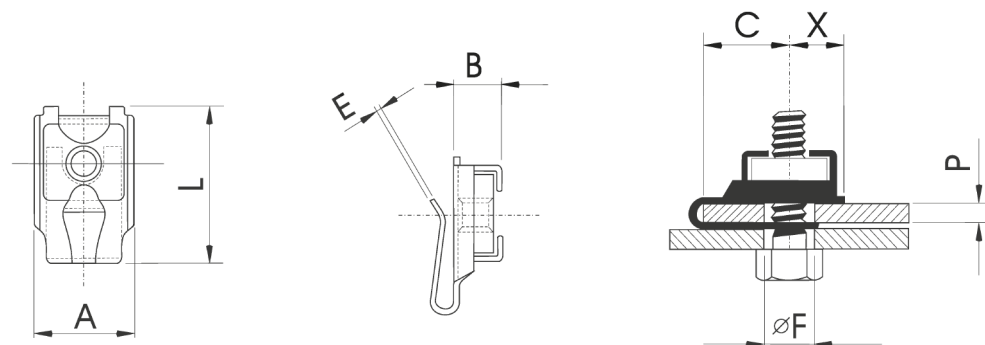


Part Number	thread	P= Panel range mm	A +- 0,15	B	C	D +-0,5 -0,3	E	Colour code	Bore
8005-A	M-5	0,5÷0,6	10,85	8,5	3,4	16	0,4	nero/black	1
8005-B		0,7÷0,8	10,85	8,5	3,4	16	0,4	verde scuro/dark green	
8005-C		0,9÷1	10,85	8,5	3,4	16	0,4	grigio/gray	
8005-D		1,2÷1,3	10,85	8,5	3,4	16	0,4	blu/blue	
8005-E		1,5÷1,6	10,85	8,5	3,4	16	0,4	verde chiaro/light green	
8005-F		1,7÷1,8	10,85	8,5	3,4	16	0,4	rosso/red	
8005-G		2÷2,1	10,85	8,5	3,4	16	0,4	giallo/yellow	
8016-A	M-6	0,5÷0,6	13,85	10,6	3,9	17	0,5	nero/black	2
8016-B		0,7÷0,8	13,85	10,6	4	17	0,5	verde scuro/dark green	
8016-C		0,9÷1	13,85	10,6	4,3	17	0,5	grigio/gray	
8016-D		1,2÷1,3	13,85	10,6	4	17	0,5	blu/blue	
8016-E		1,5÷1,6	13,85	10,6	4	17	0,5	verde chiaro/light green	
8016-F		1,7÷1,8	13,85	10,6	5	17	0,5	rosso/red	
8016-G		2÷2,1	13,85	10,6	5,4	17	0,5	giallo/yellow	
8038-A	M-8	0,5÷0,6	15,85	12,5	4,7	19	0,5	nero/black	4
8038-B		0,7÷0,8	15,85	12,5	4	19	0,5	verde scuro/dark green	
8038-C		0,9÷1	15,85	12,5	5	19	0,5	grigio/gray	
8038-D		1,2÷1,3	15,85	12,5	5,4	19	0,5	blu/blue	
8038-E		1,5÷1,6	15,85	12,5	5,7	19	0,5	verde chiaro/light green	
8038-F		1,7÷1,8	15,85	12,5	5,9	19	0,5	rosso/red	
8038-G		2÷2,1	15,85	12,5	6,2	19	0,5	giallo/yellow	

MATERIAL:

CAGE:STAINLESS STEEL AISI 304 - NUT:STEEL CLASS 5.8 - FINISH:ZINC-PLATED YELLOW PASSIVATED

CAGE NUT - SERIES 9000

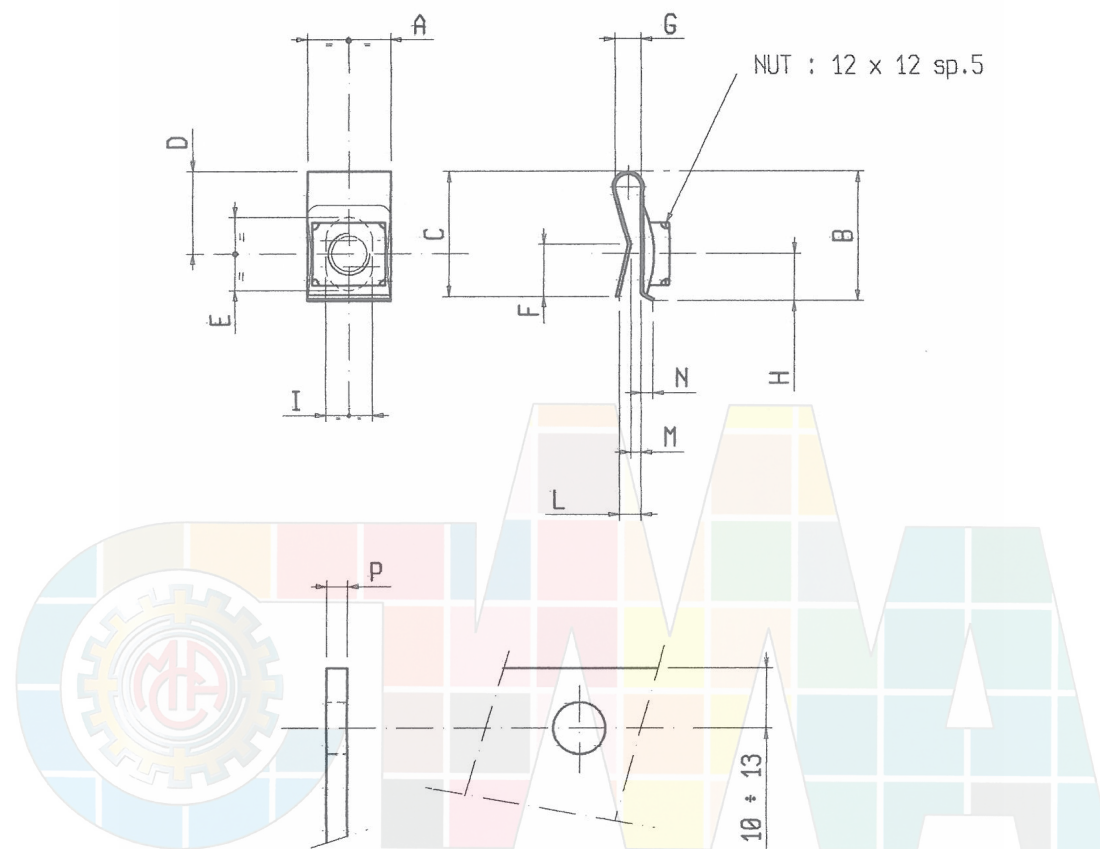


Part Number	thread	P= panel range mm	L +0,3	A +0,3	B +0,3	X	C	E max	ø F
9015-A	M-5	0,7÷1	23,5	15	7,2	8,5	12,7	0,8	6
9015-B		1,1÷2							
9015-C		2,1÷3							
9015-D		3,1÷4							
9016-A	M-6	0,7÷1	23,5	15,3	8	8,5	12,7	0,8	7
9016-B		1,1÷2							
9016-C		2,1÷3							
9016-D		3,1÷4							
9127-A	M-7	0,5÷1,4	22,8	15,3	8	7,8	12,7	1	10
9127-B		1,5÷2,4	22,8				12,7		
9127-C		2,5÷3,4	22,5				12		
9127-D		3,5÷4,4	22				11		
9137		1,5÷2,4	25,7	15,3	8	8	15,5	1	8,5
9038-A	M-8	0,7÷1	23,5	15,3	8	8,5	12,7	1	9
9038-B		1,1÷2							
9038-C		2,1÷3							
9038-D		3,1÷4							

MATERIAL:

CAGE: CARBON STEEL C70 OIL TEMPERED - NUT: STEEL CLASS 8 (R 600-700 N/mm²) - FINISH: ZINC-PLATED

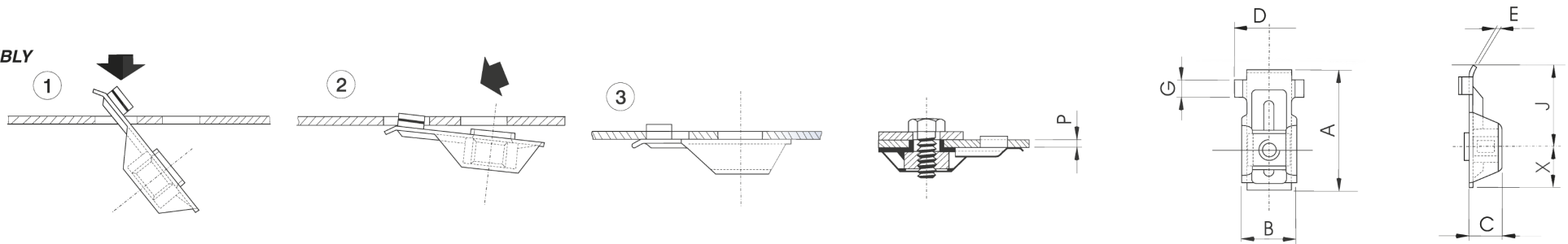
NUT CAGE SPECIAL



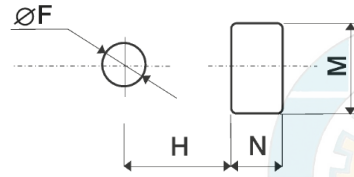
Part Number	P= Panel	A	B	C	D 0-0,8	E	F 0-0,8	G	H +-0,5	I	L +-0,6	M +-0,5	N	NUT
NA-1121	4	16	24,8	24	15,8	14	10	5	9	9	4,2	2	2,3	M6
NA-1073	4	16	24,8	24	15,8	14	10	5	9	9	4,2	2	2,3	M8

CAGE NUT FOR HIGH RESISTANCE ASSEMBLY - SERIES 10.000

ASSEMBLY



BORES TO BE USED



Bore	Ø F +0,2 -0	H +0,1	M +0,1	N +0,1
1	10	13	15,2	10
2	12	16	17,2	11,2

Part Number	thread	P= panel range mm	A	B	C	D	E	G	J	X	Bore
10006-A	M-6	0,7÷0,9	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10006-B		1÷1,2	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10006-C		1,25÷1,45	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10006-D		1,5÷1,75	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10006-E		1,8÷1,95	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10006-F		2÷2,25	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-A	M-8	0,7÷0,9	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-B		1÷1,2	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-C		1,25÷1,45	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-D		1,5÷1,75	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-E		1,8÷1,95	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10008-F		2÷2,25	37,5	14,4	7,5	21,5	0,8	6	26	11,5	1
10010-A	M-10 1,25	1÷1,2	44	16	9	23,5	0,9	7	30	14	2
10010-B		1,25÷1,45	44	16	9	23,5	0,9	7	30	14	2
10010-C		1,5÷1,75	44	16	9	23,5	0,9	7	30	14	2
10010-D		1,8÷1,95	44	16	9	23,5	0,9	7	30	14	2
10010-E		2÷2,25	44	16	9	23,5	0,9	7	30	14	2

MATERIAL:

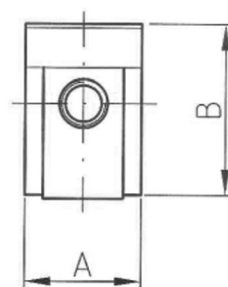
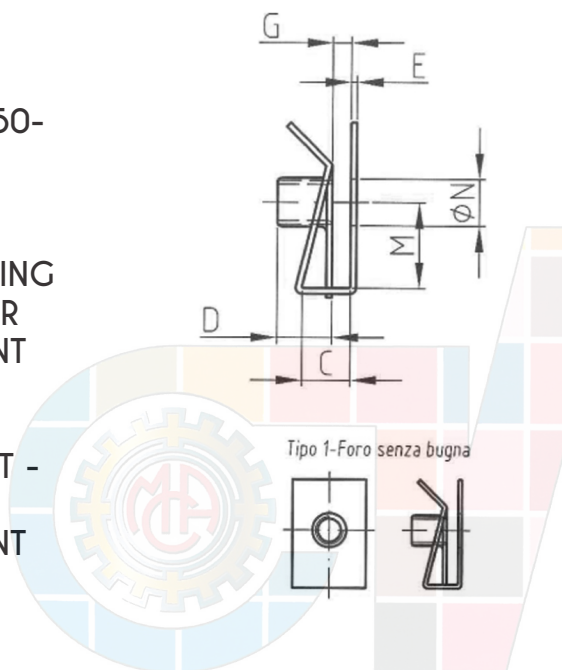
CAGE: CARBON STEEL C70 OIL TEMPERED - NUT: STEEL CLASS 10 - FINISH: ZINC-PLATE

T-NUT - SERIES DB 18000

MATERIAL:
ALLOY STEEL (1045-1050-1067)

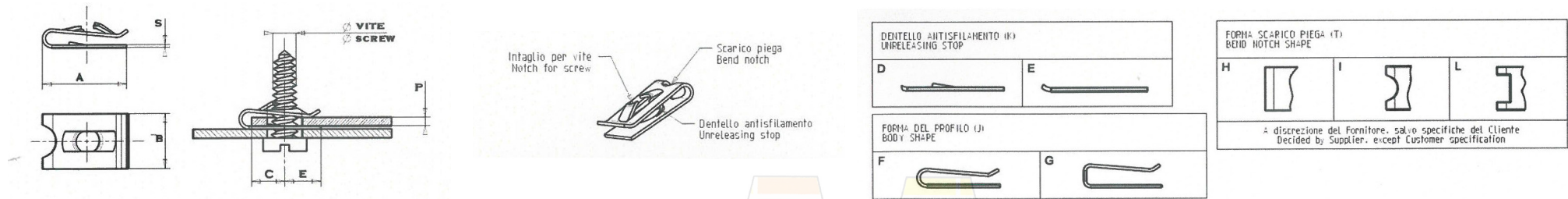
HEAT TREATMENT:
HARDENING AND TEMPERING
HARDNESS HRC 42-48 OR
CUSTOMER REQUIREMENT

COATING:
ZINC PLATING - GEOMET -
DELTATONE
CUSTOMER REQUIREMENT



Part Number	Thread	Type	Dimensions							
			A	B	C	D	E	G	M	N
DB 18001	M4	1	10	14,9	4	5,15	0,6	1,7-2,1	7,3	5
DB 18002	M5	1	12	14,9	4	5,7	0,6	0,3-1,3	7,3	6
DB 18003	M6	2	16	23,6	4	7,6	0,8	0,1-0,7	11,8	6,85
DB 18004	M6	2	16	18,8	4	7,5	0,8	0,8	8	7,3
DB 18005	M6	2	14	23,6	4	7,6	0,8	0,1-0,7	11,8	6,85
DB 18006	M5	1	14	20,5	4	5,7	0,6	0-0,4	10,65	5,9
DB 18007	M5	1	14	20,5	4	5	0,6	0,4	10,85	6,2
DB 18008	M6	1	15	23,8	4	6,8	0,8	0,1-0,7	11,7	7,3
DB 18009	M4	1	10	14,9	4	5,15	0,6	0-0,6	7,3	5
DB 18010	M4	2	10	14,9	4	5,15	0,6	0-0,4	7,3	5
DB 18011	M4	2	10	14,9	4	5,15	0,6	1,2-1,6	7,3	5
DB 18012	M5	2	12	14,9	4	5,7	0,6	0,3-1,3	7,3	6
DB 18013	M6	1	16	18,8	4	7,5	0,8	0,8	8	7,3
DB 18014	M6	1	16	23,6	4	7,6	0,8	0,5-1,1	11,8	6,85
DB 18015	M6	1	14	23,6	4	7,6	0,8	0,1-0,7	11,8	6,85
DB 18016	M5	2	14	20,5	4	5,7	0,6	0,4-0,8	10,65	5,9
DB 18017	M5	2	14	20,5	4	5	0,6	0-0,4	10,65	5,9
DB 18018	M6	2	15	23,6	4	7,6	0,8	0,1-0,7	11,8	6,85
DB 18019	M6	2	16	18,8	4	7,5	0,8	0,7-1,7	8	7,3
DB 18020	M4		SPECIAL EXECUTION							
DB 18021	M5	2	12	14,9	4	5,7	0,6	1,4-1,8	7,3	6
DB 18022	M5	1	12	14,9	4	3,7	0,6	0,3-1,3	7,3	6
DB 18023	M6		SPECIAL EXECUTION							
DB 18024	M4	1	15	13,2	2,4	5,7	0,5	0,5-0,7	6	6
DB 18025	M5		SPECIAL EXECUTION							
DB 18026	M6	1	16	18,8	4	7,5	0,8	0,8-1,8		7,3
DB 18029	M6	1	16	23,4	4	7,6	0,8	0-1,3	11,6	7
DB 18030	M6	1	16	23,6	5,6	6,9	0,8	0-0,8	11,8	7,3
DB 18031	M6	2	18	19,5	4,3	8	0,8	0,2-1,8	8,6	7,8
DB 18032	M5	2	17	17	4,7	6	0,6	0,5-1,8	7,6	5,7
DB 18033	M6	1	18		4	6,9	0,8	3-4	8,5	12
DB 18034	M5	2	15	21	5	5,7	0,6	0,5-1,5	10,8	5,7
DB 18035	M6	2	14,2	24,3	4,7	6,9	0,9	3,5-4,2	13,7	7,4
DB 18036	M6	2	16	18,8	4	7,5	0,8	0,8-1,8	8	7,3
DB 18037	M5	1	11	14,9	4	5,7	0,6	0,3-1,3	7,3	6
DB 18038	M6	1	16	23,6	5,6	6,9	0,8	0-0,8	11,8	7,3
DB 18039	M6	1	15	22,3	5,6	6,9	0,8	0-0,8	11,7	7,8
DB 18040	M8	2	18	28	4,3	9	1	0,3-1,1	14,5	9,5
DB 18041	M8	2	17	27	2,5	10	1	1,5	15,5	9
DB 18042	M6	2	16	18,8	4	7,5	0,8	0-1	8	7,3
DB 18043	M6	2	16	23,6	5,6	6,9	0,8	0-0,8	11,8	7,3
DB 18044	M5	1	11,5	13,6	2,4	5,7		0-0,5	6,5	7
DB 18045	M5	1	11,5	13,6	2,4	5,7		1,5-2	6,5	7
DB 18047	M5	1	11,5	13,6	2,4	5,7		0,6-1,1	6,5	7
DB 18048	M5	2	17,3	16	4,7	6,5	0,6	0,5-1,8	7,7	5,7
DB 18049	M5	2	17	16	4,7	6	0,6	0,5-1,3	7,6	5,7
DB 18050	M6	1	16	16,8	4	7,5	0,8	0,5-0,5	8	7,3
DB 18051	M6	1	16	16,8	4	7,5	0,8	1-2	8	7,3
DB 18052	M10		SPECIAL EXECUTION							

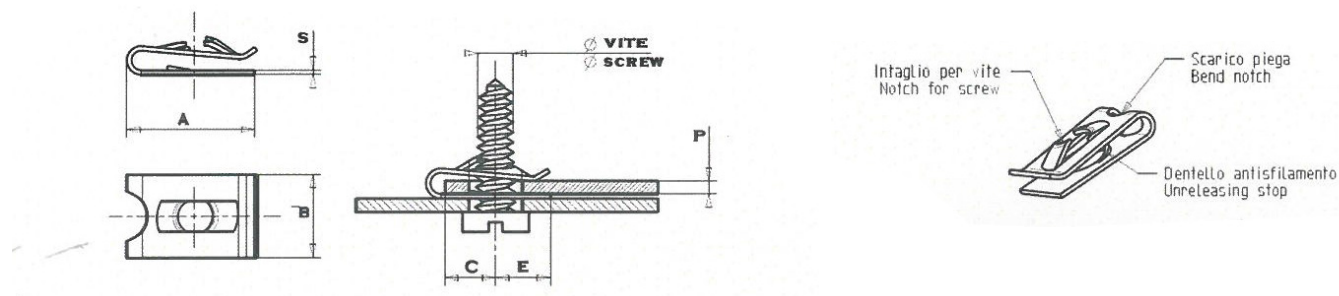
SPEED NUTS - SERIES MM



Part Number	Screw	A (mm)	B (mm)	S (mm)	P (mm)	C (mm)	E (mm)	Unreleased stop	Profile Shape
MM704	M3	11,6	8	0,3	2,4-3,2	4,5	5	D/E	F
MM706	M4	15,7	10	0,4	2-2,5	6,8	8,5	D/E	G
MM708	M5	14,4	12	0,5	2,3-3	6	6,8	D	F
MM711		24	12		0,6-1,4	12,5	10	D/E	
MM712		23,7	12		1,5-2,5	12	10		
MM717	M6	24,3	14	0,5	2-3,2	10	12	D	F

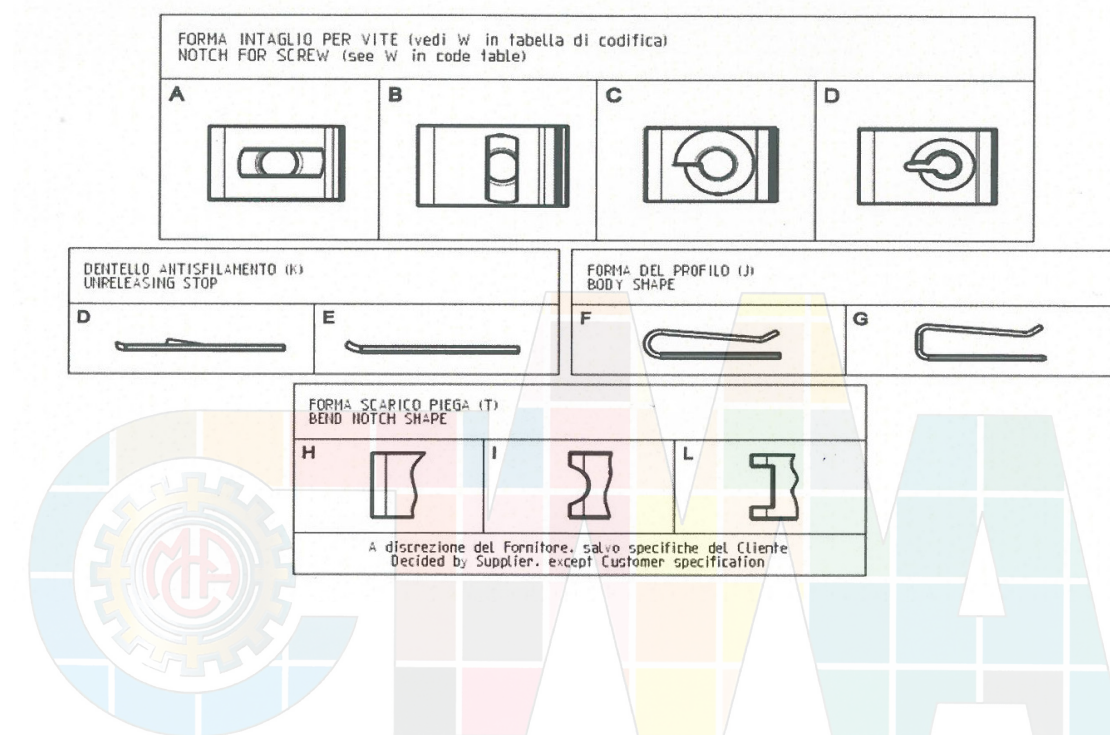
Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X10CrNi 18-8 EN 10088-2 (1.4310) (AISI 301)	
X6Cr 17 EN 10088-1 (1.4016) (AISI 430)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

SPEED NUTS - SERIES MD



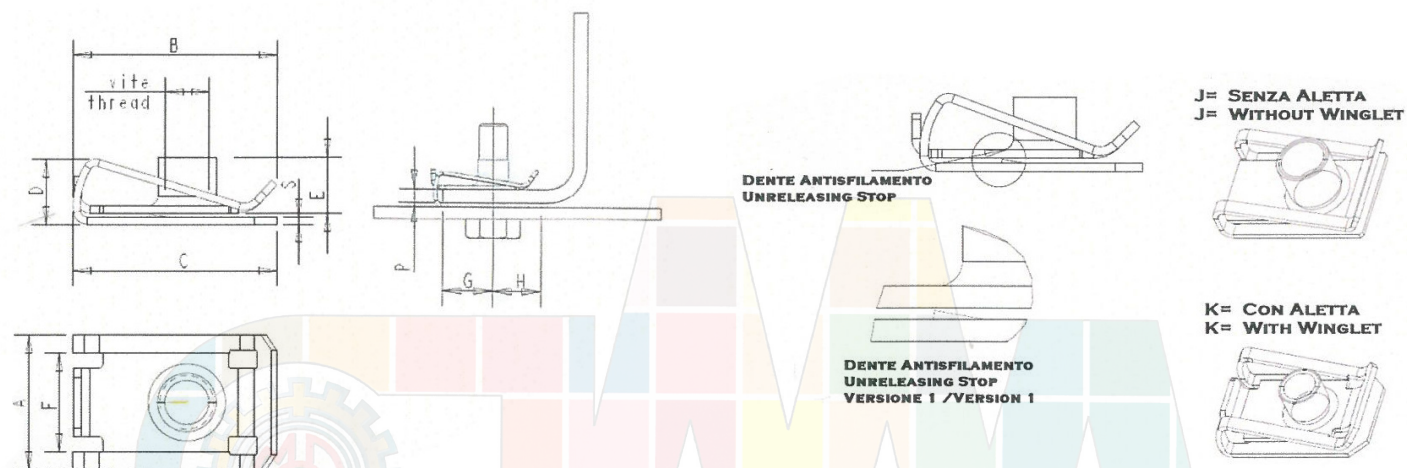
Part Number	Screw	A (mm)	B (mm)	S (mm)	P (mm)	C (mm)	E (mm)	Notch for Screw	Unreleasing stop	Profile Shape
MD490	2,8	15	12	0,5	0,5-1,5	8	6	B	D/E	F
MD493		15	12	0,5	0,5-1,5	8	6	B	D/E	F
MD668		16	11	0,5	0,5-1,8	8,5	6,8	A	D/E	F
MD719		16,8	10	0,5	0,7-1,4	10	5,5	A	D/E	F
MD720	3,5	12,3	12	0,6	1,5-2,1	5	5,5	B	D/E	F
MD503		12	9	0,6	1,8-2,8	5,5	5	A/C/D	D/E	F
MD507		12	9	0,6	1-1,5	5,5	5	D	D/E	F
MD721		16,5	10	0,5	2-3	9	5,5	A	D/E	F
MD530		17	10	0,6	2-3,5	8,5	6	C/D	D/E	F
MD491		15	12	0,5	0,5-1,5	8	6	B	D/E	F
MD501		16	11	0,5	0,5-1,8	8,5	6,8	A	D/E	F
MD504		24	11	0,6	0,5-2,5	16	7	A	D/E	F
MD722		16	12	0,6	0,6-1,4	8,5	6	A	D/E	F
MD500		16	11	0,6	1,9-2,9	8,5	6,8	A	D/E	F
MD511	4,2	13,6	11	0,7	2-2,4	6,5	6,3	C	E	F
MD531		17	10	0,6	2-3,5	8,5	6	A/C/D	D/E	G
MD724		11,8	9	0,6	2,1-2,5	5	4	A	D/E	F
MD695		13	11	0,5	2,5-3	6	5,8	C	D/E	F
MD795		13,3	11	0,5	2,5-3	6	5,8	C	D	G
MD723		20,8	12	0,6	1,4-2,5	9	10	A/D	D/E	F
MD506		23,5	11	0,6	3,5-4	15,6	7	A	D/E	G
MD536		13,6	9	0,6	3,5-4	6,5	6,5	A	D/E	G
MD492	4,8	15	12	0,6	0,5-2	7,5	6	B	D/E	F
MD689		14,8	12	0,7	1,5-2,4	6	6,8	B/D	D/E	F
MD693		20,6	12	0,7	1,5-3	9,5	9	A/D	D/E	F
MD690		14,6	12	0,7	2,5-3,2	5,5	6,8	A	D/E	F
MD691		25,2	10	0,7	3,6-5	12	10	A	D/E	F

SPEED NUTS - SERIES MD



Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X10CrNi 18-8 EN 10088-2 (1.4310) (AISI 301)	
X6Cr 17 EN 10088-1 (1.4016) (AISI 430)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

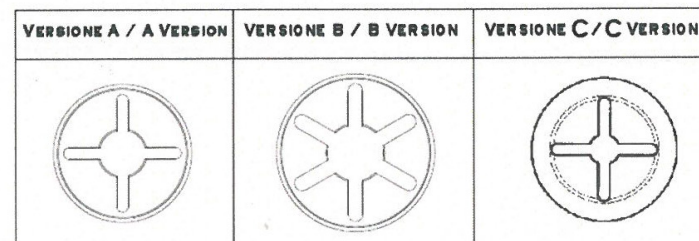
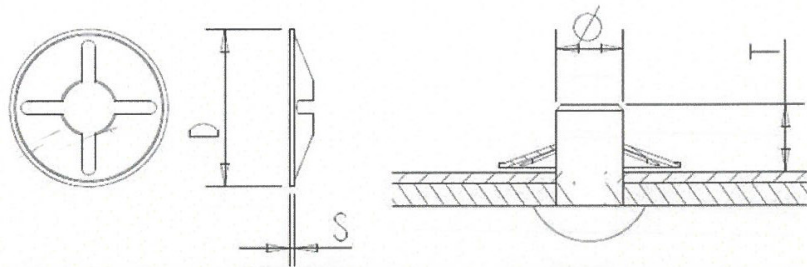
ELASTIC NUTS - SERIES MMD



Part Number	Thread	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	P (mm)	S (mm)
MMD004	M4	10	15,3	13,7	5,4	5	6	7,2	5,8	0,5-2	0,6
MMD804	M4	10	15,3	13,7	5,4	5	6	7,2	5,8	2-4	0,6
MMD805	M5	14	20,7	21,2	6,7	5,6	8	9	9	0,5-4	0,7
MMD806	M6	15	24	24	7,7	6,6	10,3	10,5	9,6	0,5-4	0,8
MMD808	M8	16,7	24,8	24,6	7	9	11,9	13	9,5	0,5-4	1

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	C45 + AC UNI EN 10132-3
HEAT TREATMENT	HARDENING AND TEMPERING HARDNESS HRC 40-48

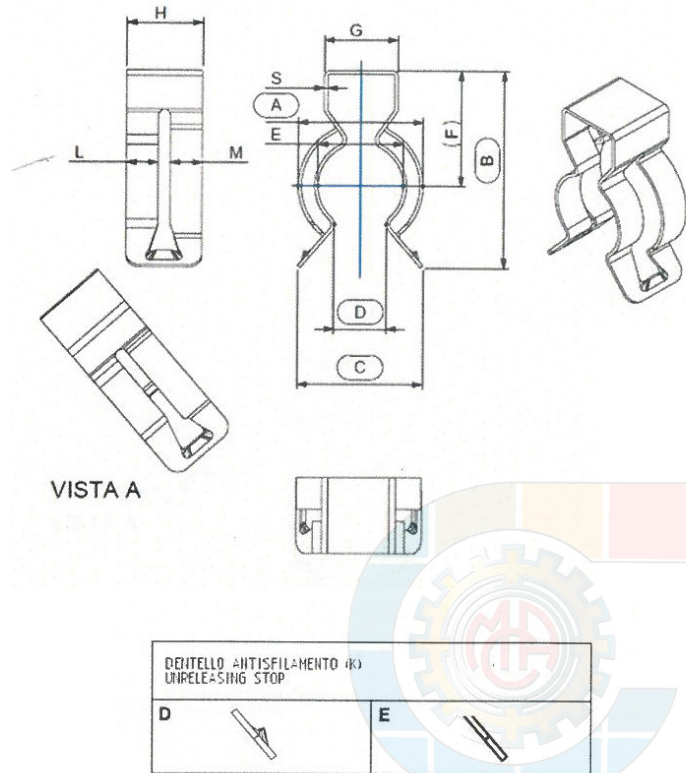
ELASTIC NUTS - SERIES MT



Part Number	ø (mm)	D (mm)	T (mm)	s (mm)	Version
MT7410	2,5	9,5	3	0,3	A
MT7450	3	11,5	3,5	0,3	A
MT7300		10,5	4	0,3	B
MT7330	3,3	11,5	4	0,3	A
MT7350	3,5	11	3,5	0,3	A
MT7460	4	12	4	0,3	A
MT7400	4,5	12	4	0,3	A
MT7470	5	14	4	0,4	A
MT7500	5	22	4	0,4	C
MT7660	6	16	4	0,4	B
MT7480	8	18	4	0,4	B

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X5 Cr Ni 18-10 EN 10088-2 (1.4301) (AISI 304)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 44-48	

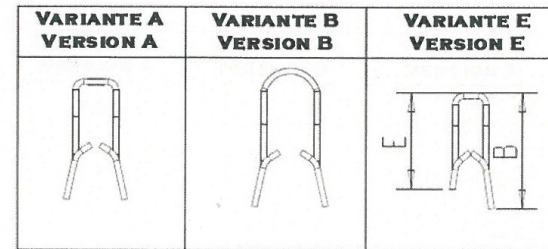
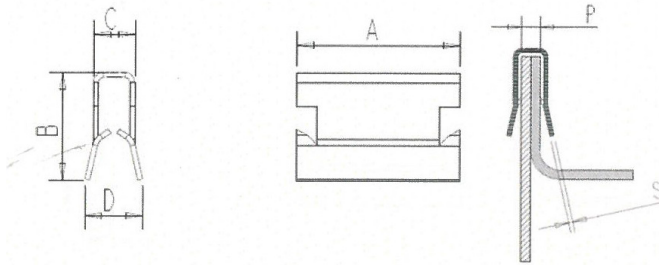
SPECIAL SPRING FOR PIPES MST



Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X30Cr 13 EN 10088-2 (1.4028) (AISI 420B)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L-M (mm)	S (mm)	Unentanglement stop
MST407	φ 26,4	41,5	26,5	11	φ 18	24,3	15,5	16	6,7	0,7	D/E
MST429	φ 31,9	41,7	32	11,4	φ 18	24,9	15,5	16	6,5	0,7	D/E
MST995	φ 26,4	41,5	21,2	11	φ 18	24,3	15,5	16	6,7	0,7	D/E

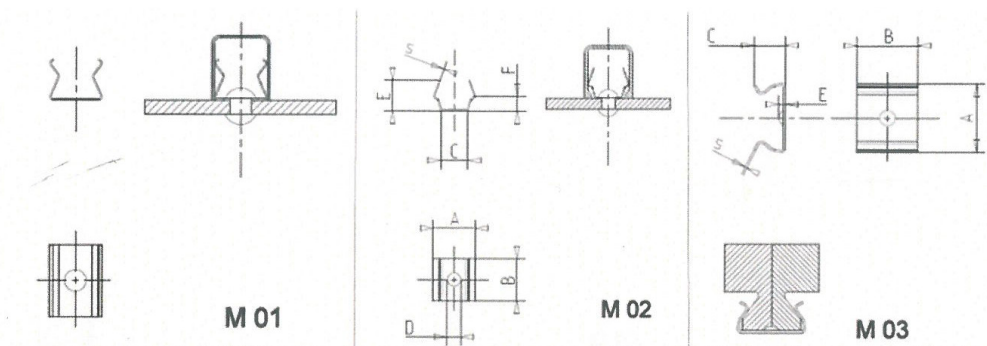
ELASTIC NUTS - SERIES MG



Part Number	P max (mm)	A (mm)	B (mm)	C (mm)	E (mm)	D (mm)	S (mm)	VERSION
MG1000	2	13	7	3,5		4	0,4	A
MG1010	2	13	8,5	3,3		4	0,4	A
MG1020	2,9	13	8	4,2		5,5	0,4	A
MG1050	3,8	13	9	5		7	0,4	A
MG1060	2,4	13	8	3,4	6,8		0,4	E
MG1080	2,9	13	8,4	4,2		5,5	0,4	B
MG1090	3	13	13	4,2		7,4	0,5	B
MG1100	3	20	11	5,5		4	0,5	A

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X5 Cr Ni 18-10 EN 10088-2 (1.4301) (AISI 304)	
X10CrNi 18-8 EN 10088-2 (1.4310) (AISI 301)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

RETAINING CLIPS



Coating

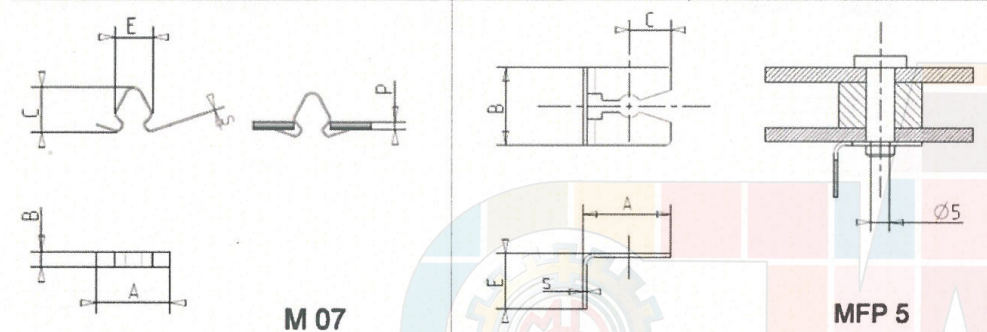
Zinc Plate - Phosphate - Geomet (As per customer request)

RAW MATERIAL

C67S+AC EN 10132-4

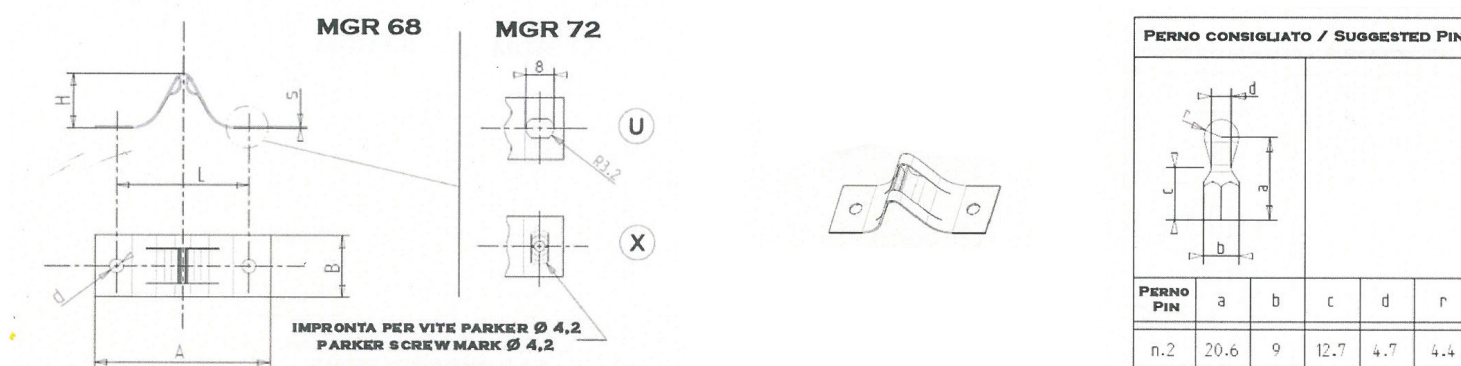
HEAT TREATMENT

HARDENING AND TEMPERING HARDNESS HRC 40-48



Part Number	Art.	P (mm)	A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	D (mm)	S (mm)
0000M01	M 01		11	15	7,4	8,6	5	4,5	0,3
0000M02	M 02		9	10	6,8	6,4	3,5	3,2	0,3
0000M07	M 07	1,5-2	14,5	3	8,5	7,8		5,3	0,3
000MFP5	MFP 5		19	17	9	12			0,8
0000M03	M 03		16	14	7,2	1,5			0,5

SPRING LATCHES - SERIES MGR



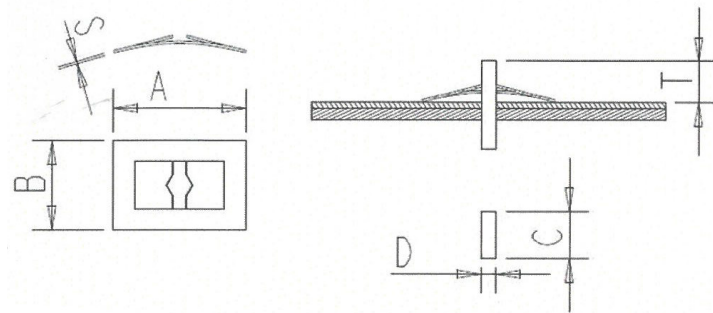
Part Number	A (mm)	B (mm)	L (mm)	H (mm)	D (mm)	S (mm)	PERNO
04MGR68	50,4	17	38	15,8	4	0,5	N.2
00MGR68					5,2		

Coating Zinc Plate - Phosphate - Geomet (As per customer request)

RAW MATERIAL
C67S+AC EN 10132-4

HEAT TREATMENT
HARDENING AND TEMPERING HARDNESS HRC 44-48

ELASTIC NUTS - SERIES MR

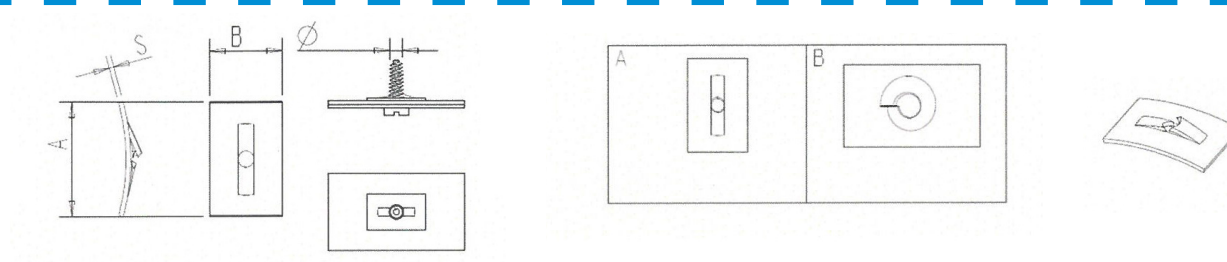


VERSIONE A / A VERSION	VERSIONE B / B VERSION	VERSIONE C / C VERSION

Part Number	C x D (mm)	A (mm)	B (mm)	T (mm)	S (mm)	VERSION
MR2030	5 X 0,8	12,5	10	4,5	0,4	C
MR2050	9 X 2	14,3	12,5	3,5	0,3	B
MR2090	2,6 X 8	22,5	15	4,5	0,4	A

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X5 Cr Ni 18-10 EN 10088-2 (1.4301) (AISI 304)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 44-48	

ELASTIC NUTS - SERIES MP

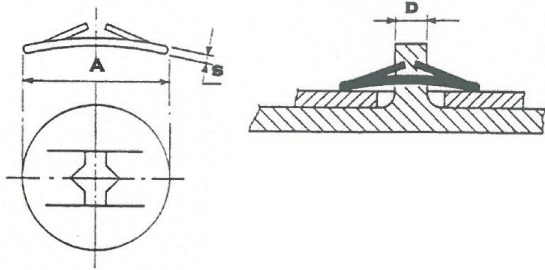


Part Number	Ø (mm)	A (mm)	B (mm)	S (mm)	VERSION
MP0148	2,9	15	9,5	0,5	A
MP0149	3,5	15	9,5	0,6	A
MP0152	3,9	15	9,5	0,6	A
MP0150	4,2	15	9,5	0,6	A
MP0153		22,5	13	0,6	B
MP0151	4,8	17	10,3	0,7	A
MP016	5,5	18	12	0,8	A
MP0163	6,3	19	14	1	A
MP0166		25	16	1	A

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
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RAW MATERIAL
C67S+AC EN 10132-4
X5 Cr Ni 18-10 EN 10088-2 (1.4301) (AISI 304)
HEAT TREATMENT
HARDENING AND TEMPERING HARDNESS HRC 44-48

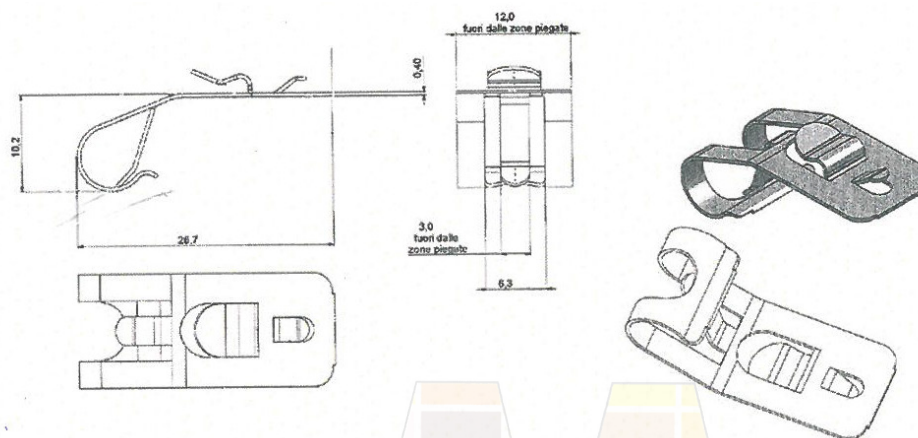
ELASTIC NUTS - SERIES MC



Part Number	D (mm)	A (mm)	S (mm)
MC274	3	9	0,3
MC284	3,5	9	0,3
MC277	4	10,5	0,4
MC836	4,8	15	0,4
MC281	5	15	0,4
MC282	6	15	0,4

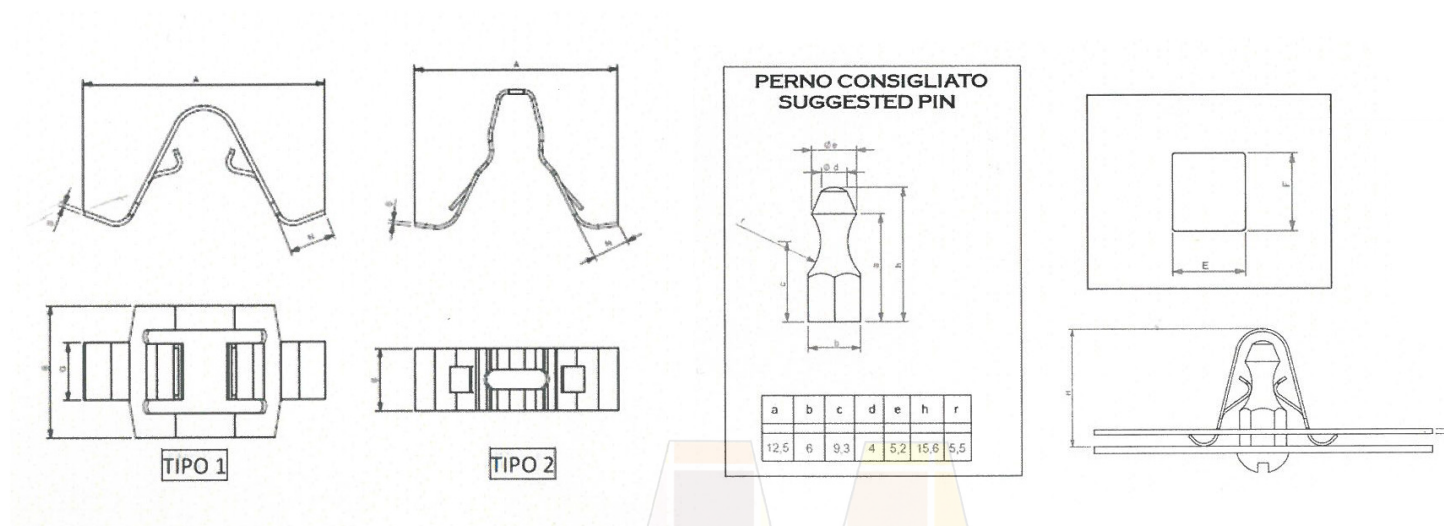
Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

THERMOMETER CLIPS



CODE	PART NUMBER
	MACARTICOM3B
FASTENER FOR THERMOSTATIC BULB, SUITABLE TO FIX BULBS FROM $\varnothing$ 3 TO $\varnothing$ 6 mm	
MATERIAL: C67S+AC EN 10132-4	
HEAT TREATMENT: HARDENING AND TEMPERING HARDNESS HRC 48-52	
SURFACE TRATMENTS: ZINC-PLATE - PHOSPHATE - GEOMET (As customer request)	

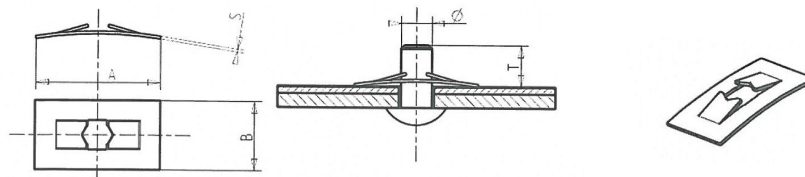
SPRING LATCHES - SERIES MGS



Part Number	P (mm)	A (mm)	B (mm)	G (mm)	H (mm)	N (mm)	E (mm)	F (mm)	S (mm)	TYPE
MGS1245	0,8-1,2	27	14	7,5	17	4,3	11	8	0,45	1
MGS1840	0,8-1,8	29	16	7	17	5,3	12,7	8	0,4	1
MGS1850									0,5	1
MGS1800	0,5-1,2	24,5	7,6		17	4,5	12,7	8	0,4	2

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 44-48	

SPEED NUTS - SERIES ME



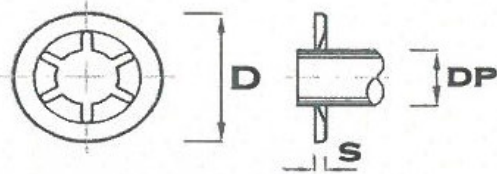
Part Number	Ø (mm)	A (mm)	B (mm)	T (mm)	S (mm)	Version
ME1540	2	15	8	3,2	0,4	A
ME1550	2	15	8	3,2	0,4	A
ME156B	3	13	8	3,5	0,4	A
ME1560		15	8	3,5	0,4	A
ME1740	3,5	15	8	3,5	0,4	A
ME174L		20	10	3,5	0,4	C
ME1570	4	18	10	5	0,4	A
ME157L		20	10	5	0,4	C
ME1580	4,5	18	10	5	0,4	A
ME1700	4,75	18	10	5	0,4	A
ME1590	5	18	10	5,5	0,4	A
ME159B		18	12	5,5	0,4	A
ME1710	5,5	18	12	5,5	0,4	A
ME1720	6	18	12	5,5	0,4	A
ME1600	8	22	15	6	0,4	A
ME1610	10	25	16	7	0,4	A

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
X10CrNi 18-8 EN 10088-2 (1.4310) (AISI 301)	
X6Cr 17 EN 10088-1 (1.4016) (AISI 430)	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

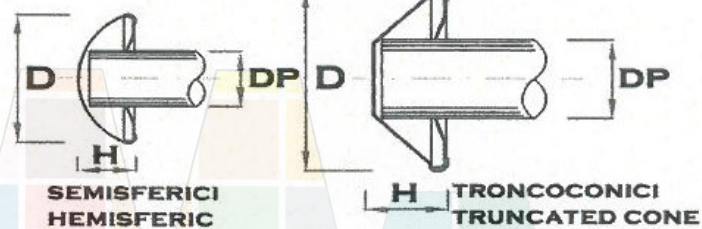
VARIANTE / VERSION A	VARIANTE / VERSION B	VARIANTE / VERSION C

RETAINERS AND COVERS - STANDARD SERIES

FISSATORI A CORONA RETAINERS



CALOTTE COVERS



RETAINERS				
CODE	DP (mm)	D (mm)	S (mm)	N.TAGLI
Part Number				Notches
F00020	2	11	1,4	4
F00025	2,5			4
F00030	3			4
F00040	4			5
F00050	5			6
F00060	6	15	1,6	6
F00065	6,5			6
F00070	7			6
F00080	8			6
F00090	9	18	1,9	6
F00100	10			6
F00110	11			6
F00120	12	20	2	6
F00140	14	26	2	6
F00150	15			6
F00160	16			6
F00180	18			6
F00200	20	35	2,5	8
F00250	25	40	3	10

COVERS			
DP	D	H	FOMA
			SHAPE
2	12	4,3	HEMISFERIC
2,5			
3			
4			
5			
6	16	5,2	HEMISFERIC
6,5			
7			
8			
9			
10	19	6,2	HEMISFERIC
11			
12			
14	28	9,5	TRUNCATED CONE
15			
16			
18			
20	36	10,5	HEMISFERIC

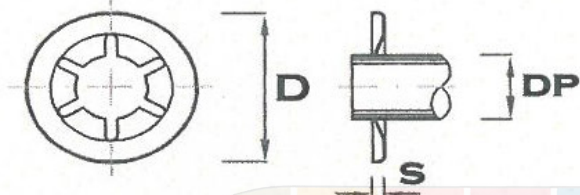
Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
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RAW MATERIAL	
RETAINERS	C67S+AC EN 10132-4
COVERS	DC04 EN 10139

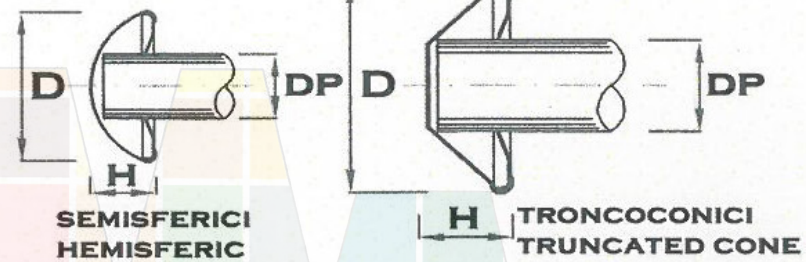
RETAINERS HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

RETAINERS AND COVERS - SPECIAL SERIES

FISSATORI A CORONA RETAINERS



CALOTTE COVERS



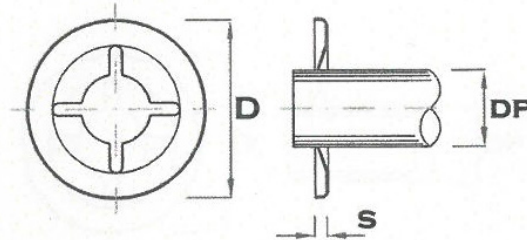
RETAINERS				
CODE	DP (mm)	D (mm)	S (mm)	N.TAGLI
Part Number				Notches
FS4150	4	15	1,6	4
FS5150	5			4
FS9150	9			6
FS5180	5	18	1,9	4
FS8180	8			6
FS3200	3			4
FS5200	5	20	1,9	4
FS6200	6			4
FS8200	8			6
FS1020	10			6
FS8260	8	26	2	6
FS1260	10			6
FS1226	12			6
FS1835	18	35		8

COVERS			
DP	D	H	FORMA
			SHAPE
4	16	5,2	HEMISFERIC
5			
-			
5	19	6,2	HEMISFERIC
8			
3			
5	22	7,5	TRUNCATED CONE
6			
8			
10			
8	28	9,5	HEMISFERIC
10			
12			
18	36	10,5	HEMISFERIC

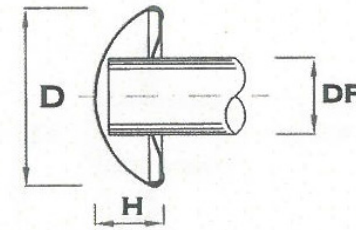
Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
RETAINERS	C67S+AC EN 10132-4
COVERS	DC04 EN 10139
RETAINERS HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

RETAINERS AND COVERS - STRONG SERIES

**FISSATORI A CORONA
RETAINERS**



**CALOTTE
COVERS**



RETAINERS			
Part Number	DP (mm)	D (mm)	S (mm)
FR4110	4	11	1,4
FR5110	5		
FR6150	6	15	1,6
FR7150	7		
FR8150	8		
FR9180	9	18	1,9
FR1018	10		
FR11180	11		

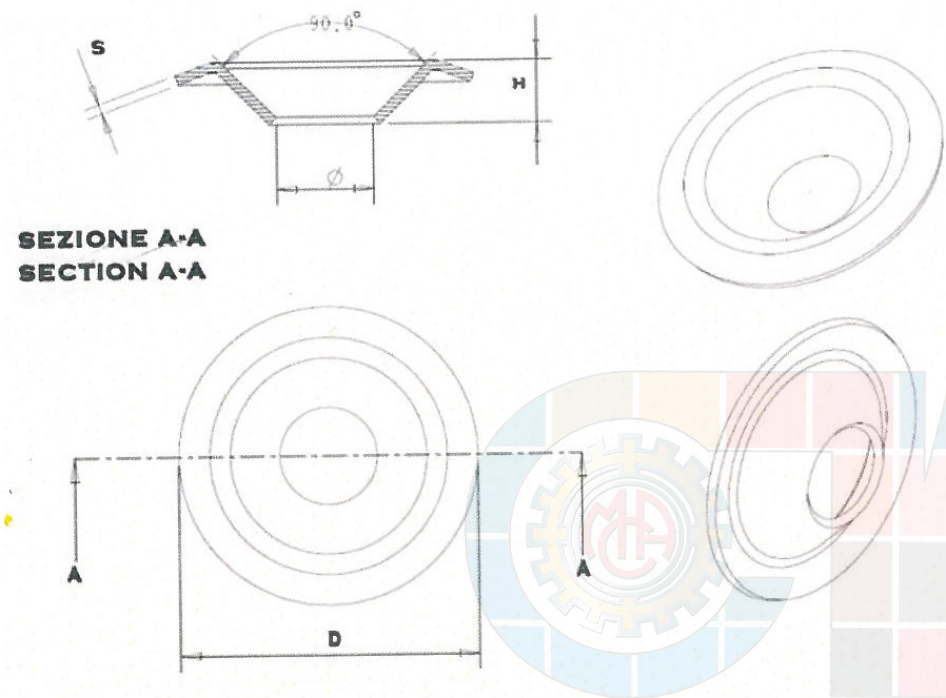
COVERS		
DP (mm)	D (mm)	H (mm)
4	12	4,3
5		
6	16	5,2
7		
8		
9	19	6,2
10		
11		

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
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RAW MATERIAL	
RETAINERS	C67S+AC EN 10132-4
COVERS	DC04 EN 10139

RETAINERS HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 42-48	

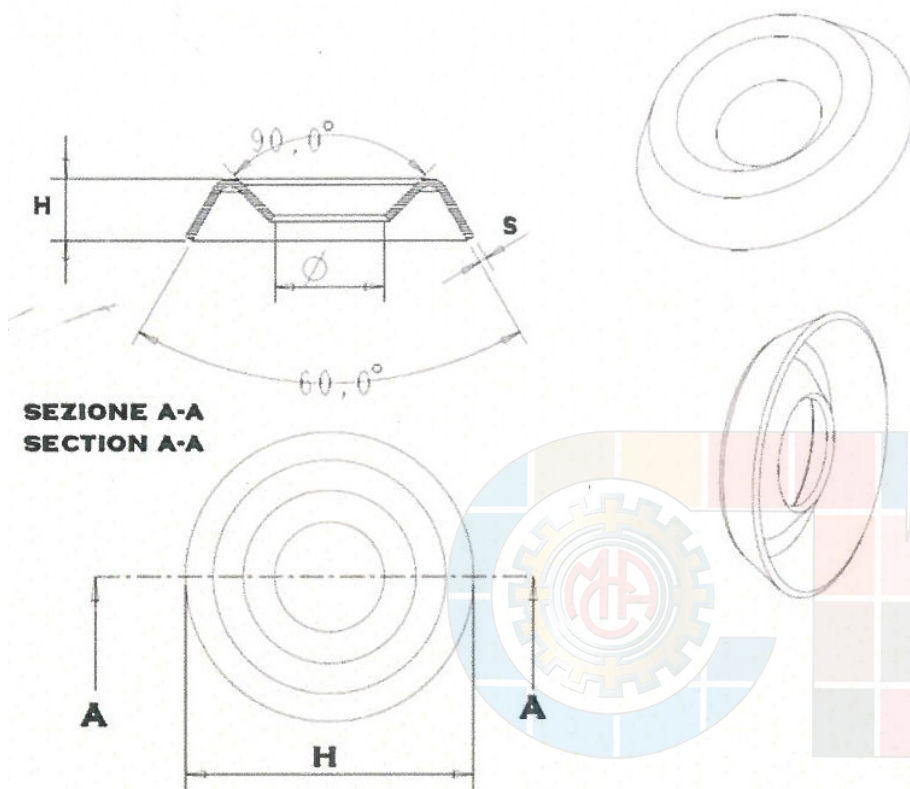
SCREW SUPPORT - SERIES MSR



Part Number	Ø	D (mm)	H (mm)	S (mm)
MSR33	3,3	10	1,8	0,4
MSR37	4	12	2,5	0,4
MSR40	4,3	10	1,5	0,4
MSR43		12	2,5	0,4
MSR53	5,7	15	3	0,5

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
X5CrNi 18-10 EN 10088-3 (1.4301) (AISI 304)	
X6Cr 17 EN 10088-1 (1.4016) (AISI 430)	
DC04 EN10139	
ALUMINIUM	
BRASS	
COPPER	

SCREW SUPPORT - SERIES MSN

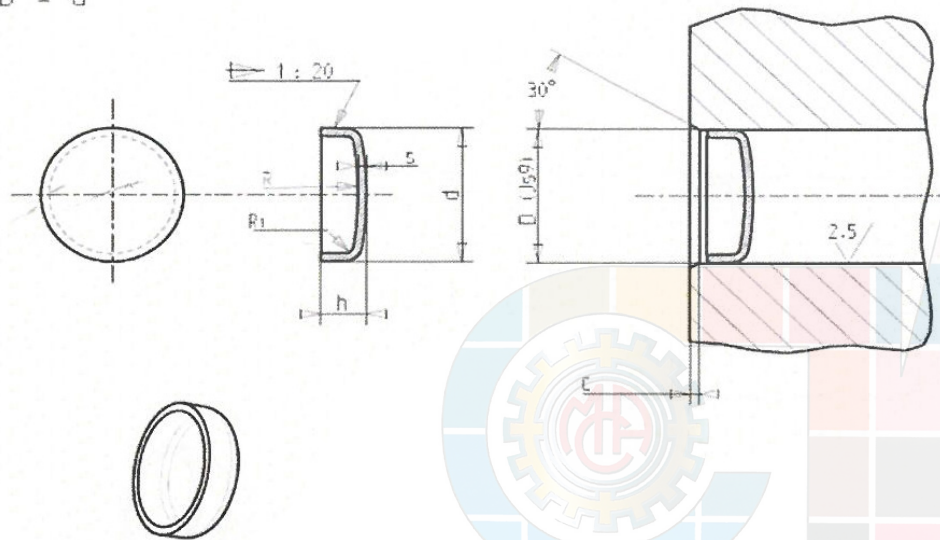


Part Number	$\varnothing$	D (mm)	H (mm)	S (mm)
MSN37	4	12	2,5	0,3
MSN43	5	12	2,5	0,3
MSN53	5,7	15	3	0,4
MSN63	7	18	3,5	0,5

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
X5CrNi 18-10 EN 10088-3 (1.4301) (AISI 304)	
X6Cr 17 EN 10088-1 (1.4016) (AISI 430)	
DC04 EN10139	
ALUMINIUM	
BRASS	
COPPER	

PLUGS

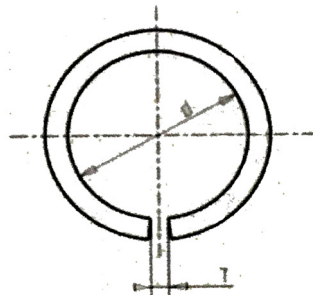
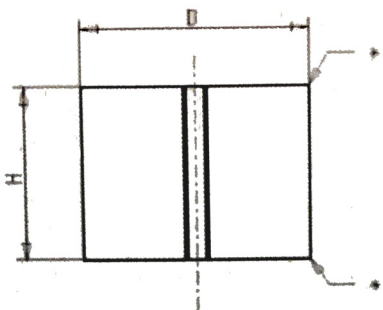
$D = d$



Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
DC04 EN10139	

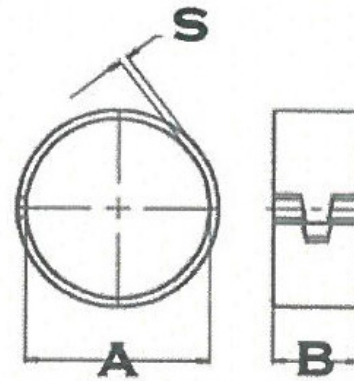
Part Number	d		S	H (js15)		R	R1	C
	Nom.	Scost. Limite Max Dev		Nom.	Scost. Limite Max Dev			
14328100	8	+ 0,155	0,75	4	+- 0,240	20	1	0,5
14328200	10	+ 0,097	0,85	4,5		25		
14328300	12	+ 0,200	1	5		30		1
14328400	14	+ 0,130				35		
14328500	16	+ 0,220 + 0,150				40		
14328600	18	+ 0,15 /+ 0,22		6	+- 0,240	45		
14328700	20	+ 0,272				50		
14328800	22	+ 0,188	1,5	7	+- 0,290	55	1,6	1,5
14328900	25	+ 0,302 + 0,218		8		60		
14329000	28			9		70		
14329100	30					75		

BUSHES



Part Number	Ø Est.		Ø Int.		H		Thickness	T Max
	Nom.	Toll.	Nom.	Toll.	Nom.	Toll.		
07005050	7		5		5		1	0,9
07205650	7,2		5,6		5		0,8	0,3
08506361	8,5		6,3		6,1		1,1	0,2
08607014	8,6		7		14		0,8	0,8
08706758					5,8			
08706770	8,7		6,7		7		1	0,3
08706710					10,2			0,8
08906513	8,9		6,5		13		1,2	0,5
0997012	9	+/- 0,2	7	+/- 0,2	12	+/- 0,1	0,9	1
09507084	9,5		7		8,4		1,25	0,2
09608030	9,6		8		3		0,8	0,8
10008050	10		8		5			0,3
11002070	10		8		25		1	0,6
11009070	11		9		7			1,5
11709713	11,7		9,7		13			0,2
13009360	13		9,3		6		1,85	1,5
13311016	13,27		11		16,5		1,15	0,3

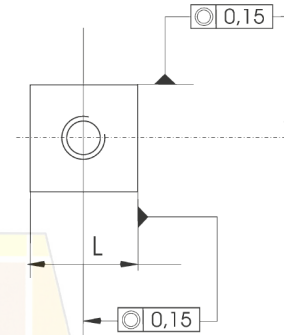
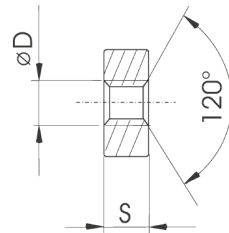
COMPRESSION RINGS



Part Number	Application $\varnothing$	A	B	S
FM064	6,4	5,9	4	0,5
FM071	7,1	6,5	6	
FM080	8	7,3	6	
FM083	8	7,7	6	
FM090	9	8,5	4	0,6
FM095	9,5	9,1	6	
FM103	10,3	9	6	0,4
FM105	10,5	9	6	
FM111	11,1	10,5	6	
FM127	12,7	11,6	6	
FM142	14,2	12,6	6	0,6

Coating	Zinc Plate - Phosphate - Geomet (As per customer request)
RAW MATERIAL	
C67S+AC EN 10132-4	
HEAT TREATMENT	
HARDENING AND TEMPERING HARDNESS HRC 44-48	

SQUARE NUT - SERIES DQ 600

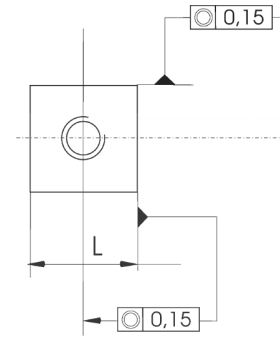
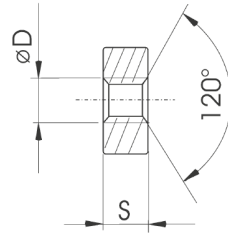


Part Number	ø D 6H		L +0,15	S +0 -0,15
	M	thread		
DQ 603	3	0,5	6	2,4
DQ 604	4	0,7	6	2,4
DQ 606	3	0,5	8	2,5
DQ 607	4	0,7	8	2,5
DQ 610	4	0,7	8	3,5
DQ 612	4	0,8	8,5	3,5
DQ 613	5	0,8	8,5	3,5
DQ 616	4	0,7	10	4
DQ 617	5	0,8	10	4
DQ 618	6	1	10	4
DQ 620	4	0,7	10	4,5
DQ 623	5	0,8	10	4,5
DQ 624	6	1	10	4,5
DQ 628	4	0,7	11	4,5
DQ 629	5	0,8	11	4,5
DQ 630	6	1	11	4,5
DQ 631	7	1	11	4,5
DQ 634	6	1	11	5
DQ 635	7	1	11	5
DQ 638	5	0,8	12	5
DQ 639	6	1	12	5

Part. N	ø D 6H		L +0,15	S +0 -0,15
	M	thread		
DQ 642	5	0,8	12	5,5
DQ 643	6	1	12	5,5
DQ 644	7	1	12	5,5
DQ 645	8	1,25	12	5,5
DQ 648	5	0,8	12,5	4,5
DQ 649	6	1	12,5	4,5
DQ 652	6	1	12,5	4,5
DQ 653	7	1	13	4
DQ 654	8	1,25	13	4
DQ 657	6	1	14	5
DQ 658	7	1	14	5
DQ 659	8	1,25	14	5
DQ 662	7	1	14	5
DQ 663	8	1,25	14	5,5
DQ 664	10	1,5	14	7
DQ 667	10	1,25	14	7
DQ 668	10	1,5	14	7
DQ 674	10	1,5	17	7,5
DQ 675	12	1,75	17	7,5
Special Threads				
DQ 680	4	BA	8,5	3,5
DQ 683	1/4"	UNC	12	5,5
DQ 685	7/16"	UNF	17	7,5

MATERIAL:
STEEL CLASS 8 (R600/700 N/mm²) - FINISH: ZINC-PLATE - PHOSPHATE - GEOMET

SQUARE NUT - SERIES DQ 800

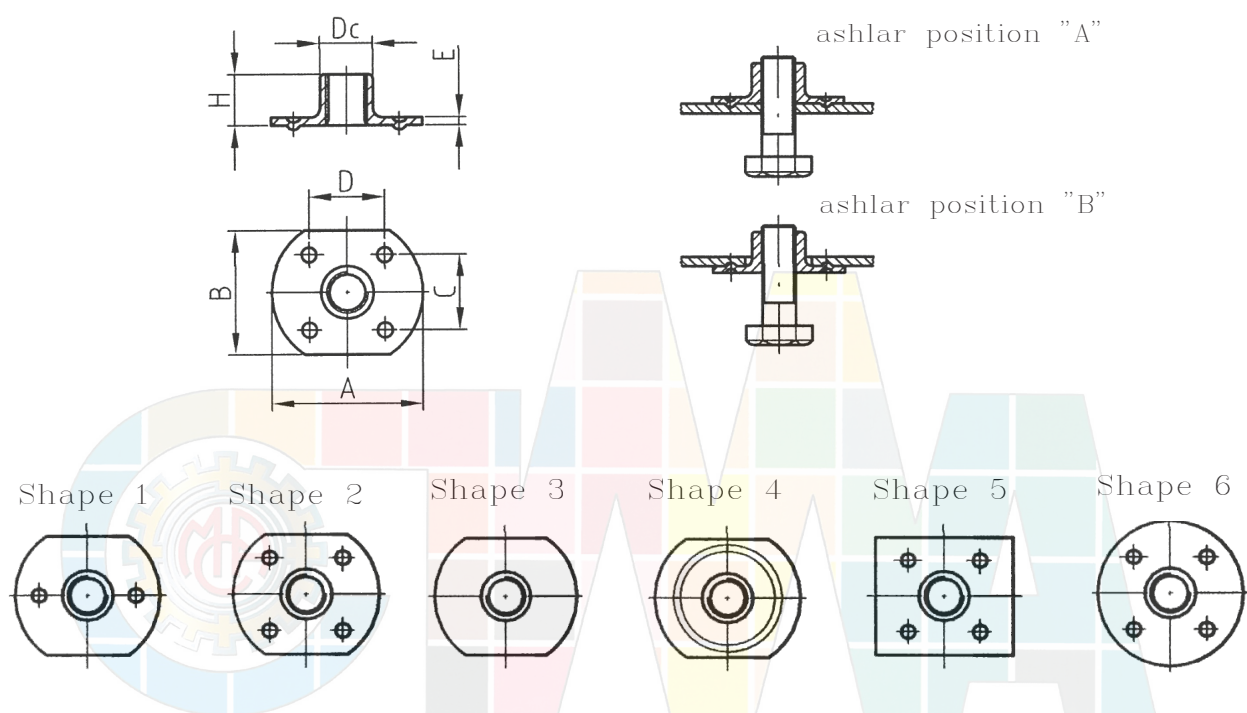


Part Number	ø D 6H		L +/-0,15	S +0 -0,15	
	M	thread		+0	-0,15
DQ 803	3	0,5	6	2,4	
DQ 804	4	0,7	6	2,4	
DQ 806	3	0,5	8	2,5	
DQ 807	4	0,7	8	2,5	
DQ 810	4	0,7	8	3,5	
DQ 812	4	0,7	8,5	3,5	
DQ 812	4	0,8	8,5	3,5	
DQ 813	5	0,7	10	4	
DQ 816	4	0,7	10	4	
DQ 817	5	0,8	10	4	
DQ 818	6	1	10	4	
DQ 820	4	0,7	10	4,5	
DQ 823	5	0,8	10	4,5	
DQ 824	6	1	10	4,5	
DQ 828	4	0,7	11	4,5	
DQ 829	5	0,8	11	4,5	
DQ 830	6	1	11	4,5	
DQ 831	7	1	11	4,5	
DQ 834	6	1	11	5	
DQ 835	7	1	11	5	
DQ 838	5	0,8	12	5	
DQ 839	6	1	12	5	

Part. N	ø D 6H		L +/-0,15	S +0 -0,15	
	M	thread		+0	-0,15
DQ 842	5	0,8	12	5,5	
DQ 843	6	1	12	5,5	
DQ 844	7	1	12	5,5	
DQ 845	8	1,25	12	5,5	
DQ 848	5	0,8	12,5	4,5	
DQ 849	6	1	12,5	4,5	
DQ 852	6	1	13	4	
DQ 853	7	1	13	4	
DQ 854	8	1,25	13	4	
DQ 857	6	1	14	5	
DQ 858	7	1	14	5	
DQ 859	8	1,25	14	5	
DQ 862	7	1	14	5,5	
DQ 863	8	1,25	14	5,5	
DQ 864	10	1,5	14	7	
DQ 867	10	1,25	14	7	
DQ 868	10	1,5	14	7	
DQ 874	10	1,5	17	7,5	
DQ 875	12	1,75	17	7,5	
Special Threads					
DQ 880	4	BA	8,5	3,5	
DQ 883	1/4"	UNC	12	5,5	
DQ 885	7/16"	UNF	17	7,5	

MATERIAL:
CARBON STEEL C21 + BORON, HARDENED - FINISH: ZINC-PLATE - PHOSPHATE - GEOMET

WELDED T-NUT SERIES SA 16000



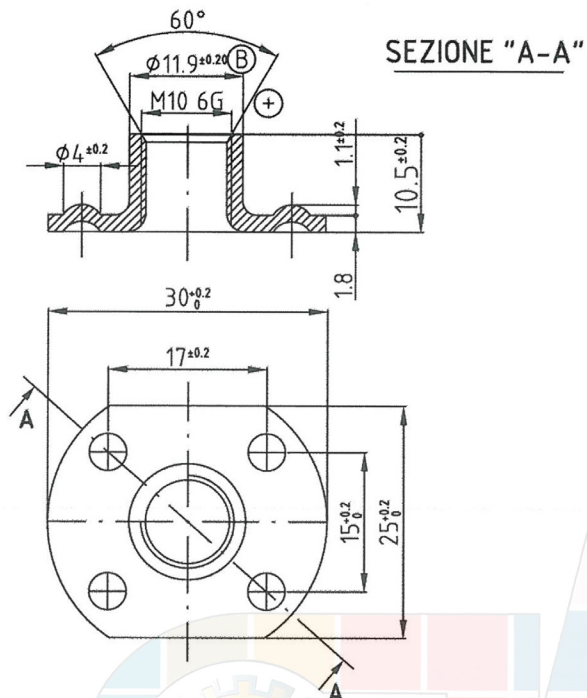
Part Number	ø Threading		Shape	Ashlar Position	Dimension						
	metric	SAE			A	B	C	D	E	H	Dc
SA 16001	M10		2	A-B	30	25	15	17	1,8	10,5	-
SA 16002	M8		SPECIAL EXECUTION								
SA 16003	M6		1	A-B	22	14	-	16	1,5	8,5	-
SA 16004		7/16 UNF	4	A-B	51	51	-	25	2	15	-
SA 16005		7/16 UNF	2	A-B	40	33	20	20	1,8	10,5	-
SA 16006	M8		2	A-B	26	18	10	17,3	2	16	-
SA 16007	M10		2	A-B	26	18	10	16	2	10,5	-
SA 16008	M8		2	A-B	25,8	17,5	10	17,3	2	9	-
SA 16009	M10		SPECIAL EXECUTION								
SA 16010	M10		2	A-B	26	18	10	16	1,7	10	-
SA 16011	M10		5	A-B	46	46	32	32	2	11	-
SA 16012		7/16 UNF	4	A-B	40	35	-	25	2,5	15,5	-
SA 16013	M8		SPECIAL EXECUTION								
SA 16014		7/16 UNF	2	A-B	40	33	20	20	2,5	14,3	-
SA 16015	M8		2	A-B	25	18	10	17,3	2	13	-
SA 16016	M10 x 1,25		2	A-B	26	18	10	16	2	10,5	12,3
SA 16017	M8		2	A-B	22	20,5	10,6	10,6	1,6	11	-
SA 16018	M6		3		22	14			1,5	8,5	-
SA 16019	M8		SPECIAL EXECUTION								
SA 16020	M10		2	A-B	32	21	10	21	2	12	12,3
SA 16021	ø 9,73		2	A-B	40	33	20	20	2	13,5	14
SA 16022	M12		2	A-B	30	25	12	17	2	10,5	14,5
SA 16023			SPECIAL EXECUTION								
SA 16024	M6		2	A-B	22	13,5	8	14	1,3	8,5	8
SA 16025		7/16 UNF	6	A-B	40		20	20	2	14	17,3
SA 16026		7/16 UNF	6	A	42,3		29,7	29,7	2,2/4	14	17,3
SA 16027	M8		2	A-B	25,8	17,5	12,8	13,8	2	10	10,4
SA 16028	M8		5	A-B	46	46	32	32	1,5	9,5	-
SA 16029	M10		2	A-B	24	18	9,5	16,5	2	12	12,5
SA 16030		(x2) 7/16 UNF	SPECIAL EXECUTION								
SA 16031		7/16 UNF	SPECIAL EXECUTION								
SA 16032	M10		2	A-B	31,2	18,2	11	20	3,1	11,8	14,5
SA 16033	M10		2	A-B	31,2	18,2	11	20	2	13	14,8
SA 16034	M8		2	A-B	26	17,5	10	15	2	10	10,4
SA 16035	M10		2	A-B	26	18	9	17	2	11	12,5
SA 16036	M10		2	A-B	26	18	10	17	1,8	10	11,8
SA 16037	M10		SPECIAL EXECUTION								

WELDED T-NUT SERIES SA 16000

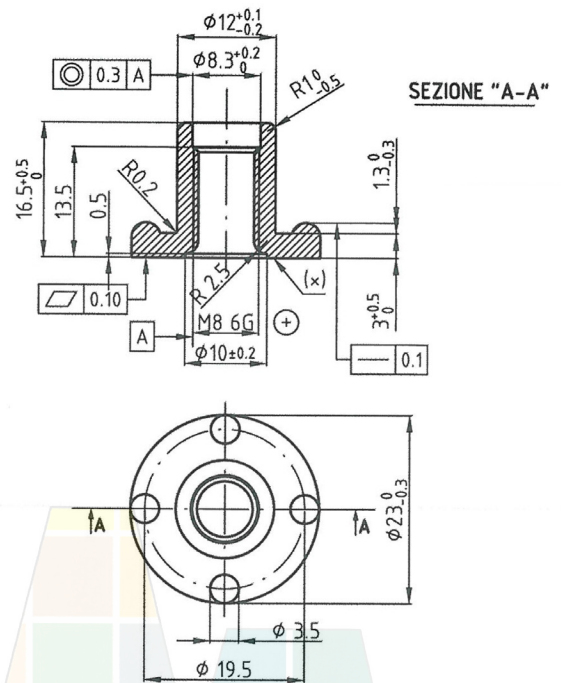
SA 16038	M10		2	A-B	30	25	15	17	1,8	10,5	12,2
SA 16039	M8		2	A-B	26	18	9	17	2	10	11
SA 16040	M10x1.25		2	A-B	30	25	15	17	1,8	10,5	12,2
SA 16041	M10x1.25		2	A-B	31,2	18,2	11	20	2	13	15
SA 16042	M8		2	A-B	31,2	18,2	11	20	2	12,5	13
SA 16043	M8		SPECIAL EXECUTION								
SA 16044	M8		SPECIAL EXECUTION								
SA 16045	M8		2	A-B	38	28	15	19	2	13	13
SA 16046		5/16-18 UNC	2	A-B	32	30	15	19	2	13	13
SA 16047	M10		2	A-B	32	21	10	21	2	12	12,3
SA 16048	M10x1.25		SPECIAL EXECUTION								
SA 16049		7/16-16 UNF 2B	4	A-B	42,3	42,3	27,5		2	14	17,3
SA 16050	M10		2	A-B	26	18	9	17	1,8	12	12
SA 16051	M8		2	A-B	38	28	15	19	3	13	14
SA 16052	M8		6		46	46			1,5	10,5	
SA 16053	M10		2	A-B	43	25	15	25	3,2	13	15,5
SA 16054	M10		SPECIAL EXECUTION								
SA 16055	M12		SPECIAL EXECUTION								
SA 16056	M10x1.25		2	A-B	43	25	15	25	3,2	13	16
SA 16057		7/16-20 UNF	SPECIAL EXECUTION								
SA 16058	M8		5	A-B	34	17			3	10	14
SA 16059	M10		SPECIAL EXECUTION								
SA 16060	M10		SPECIAL EXECUTION								
SA 16061		7/16-20 UNF 2B	SPECIAL EXECUTION								
SA 16062	M8		SPECIAL EXECUTION								
SA 16063	M10x1.25		SPECIAL EXECUTION								
SA 16064	M10x1.25		SPECIAL EXECUTION								
SA 16065	M10x1.25		SPECIAL EXECUTION								
SA 16066		7/16-20 UNF	5		50	28			3,2	13	17
SA 16067	M8		2	A-B	26	17,5	10	15	2	10	10,4
SA 16068	M10		2	A-B	43	25	15	25	3,2	16	M16
SA 16069	M10		5	A-B	50	25	14	37	3,2	15	15,5
SA 16070	M8		SPECIAL EXECUTION								
SA 16071	M10		SPECIAL EXECUTION								
SA 16072	M10x1.25		2	A-B	43	25	12	30	3,2	13	16
SA 16073	M8		3		46	43			1,5	10,5	
SA 16074	M12		SPECIAL EXECUTION								
SA 16075	M12		SPECIAL EXECUTION								
SA 16076	M10		SPECIAL EXECUTION								
SA 16077	M6		SPECIAL EXECUTION								

WELDED T-NUT SERIES SA 16000

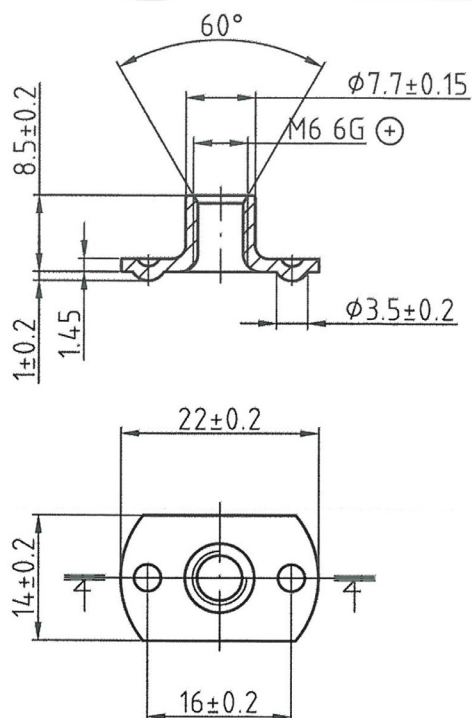
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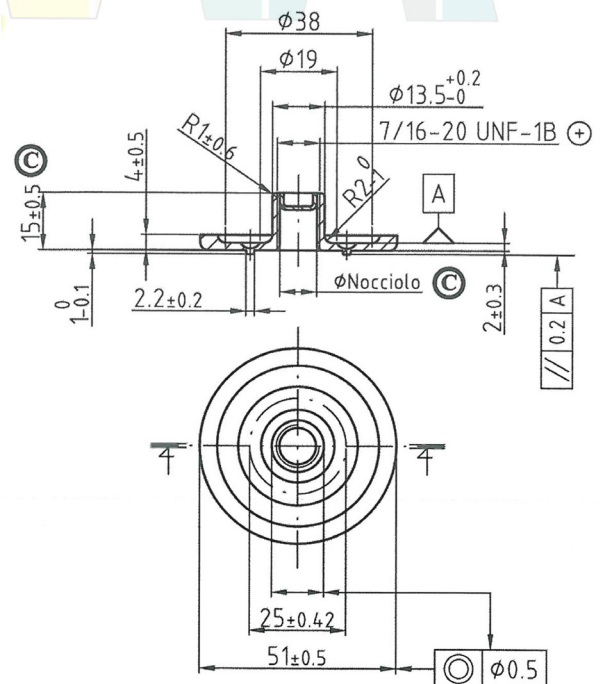
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SA 16003

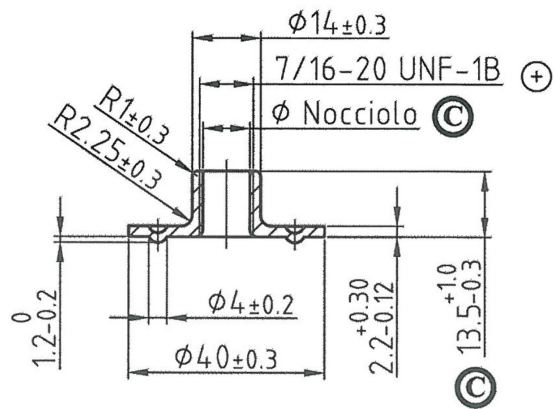


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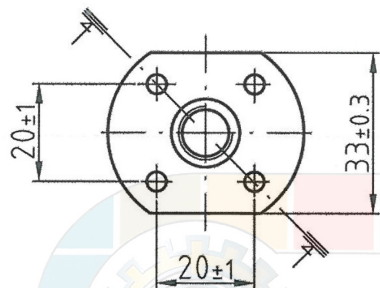
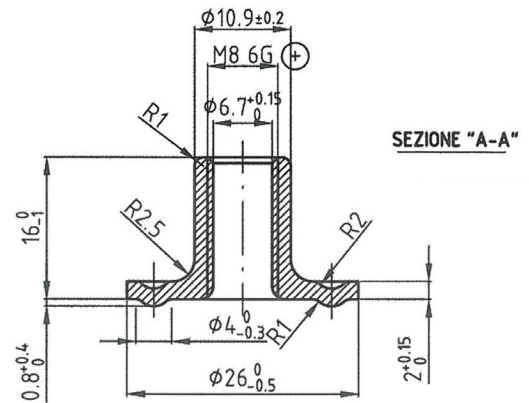


WELDED T-NUT SERIES SA 16000

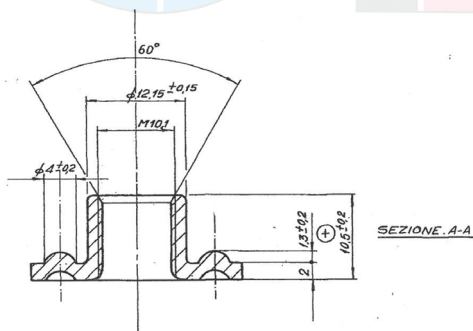
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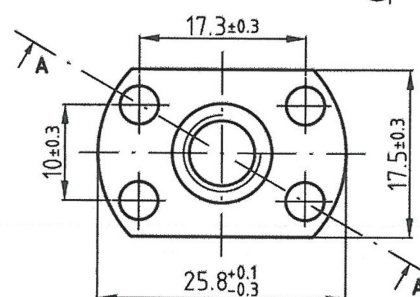
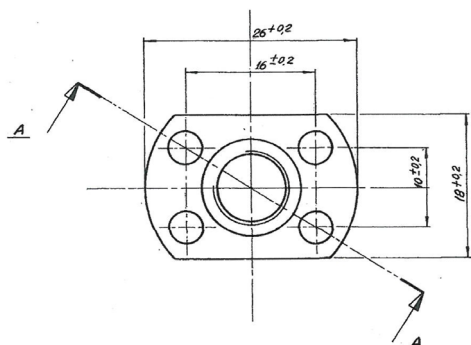
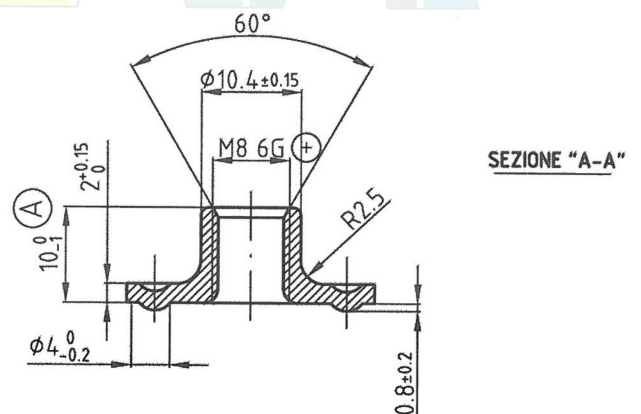
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SA 16007

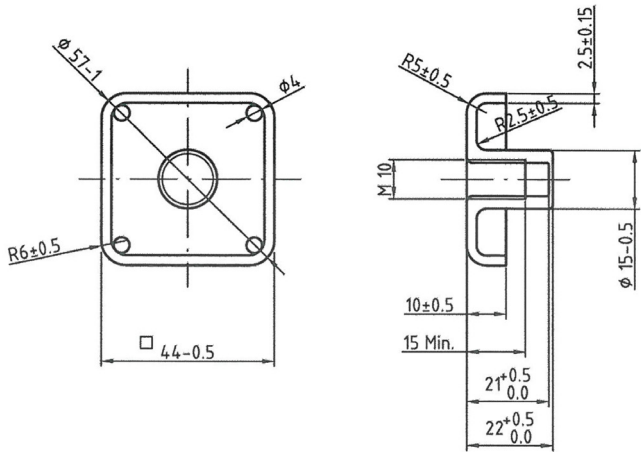


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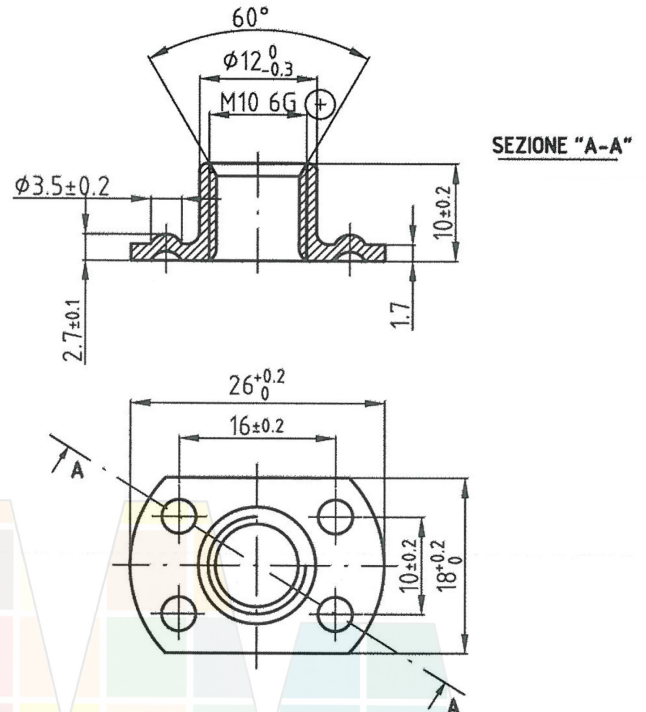


WELDED T-NUT SERIES SA 16000

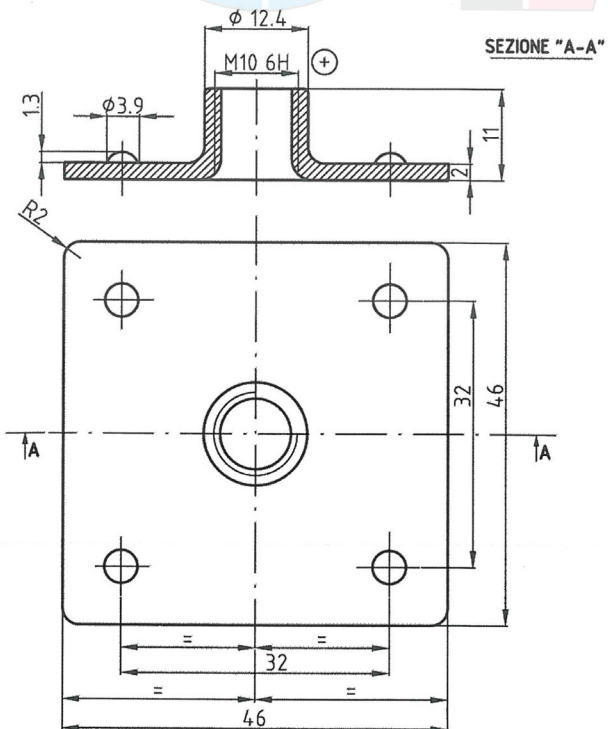
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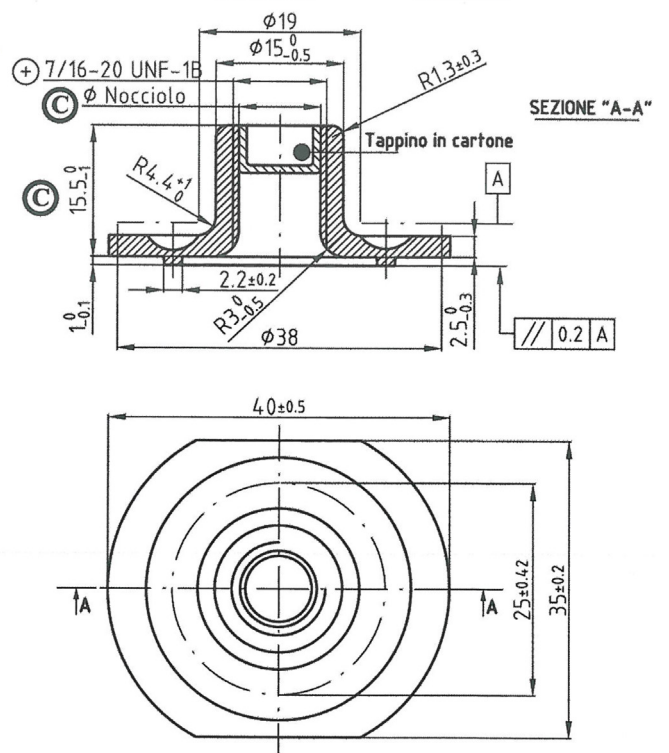
SA 16010



SA 16011

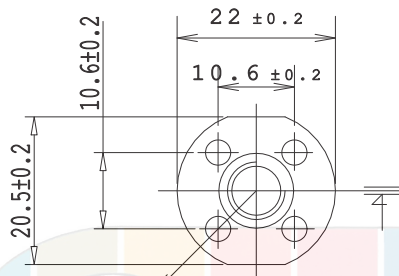
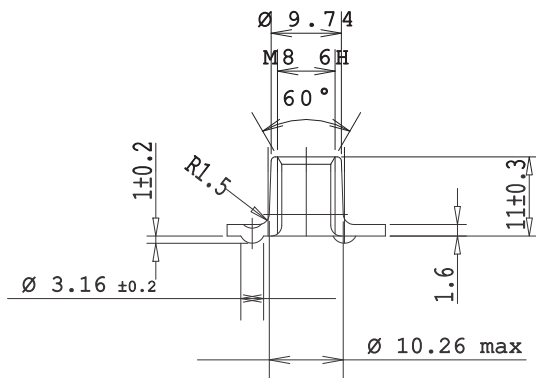


SA 16012

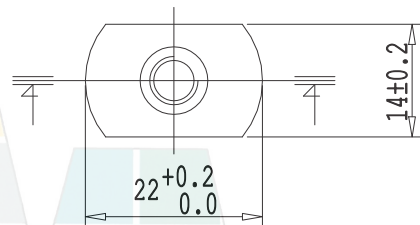
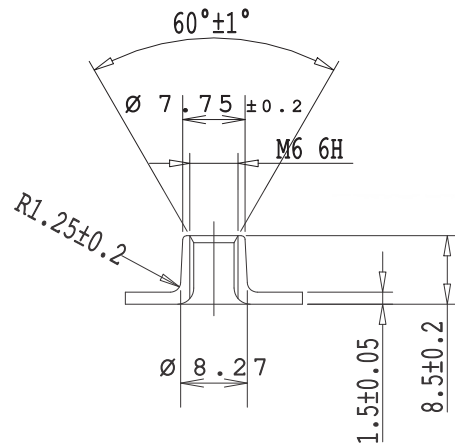


WELDED T-NUT SERIES SA 16000

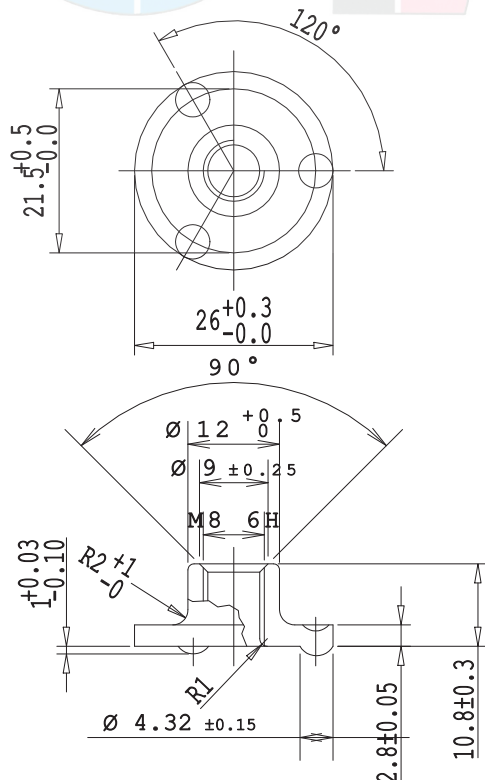
SA 16017



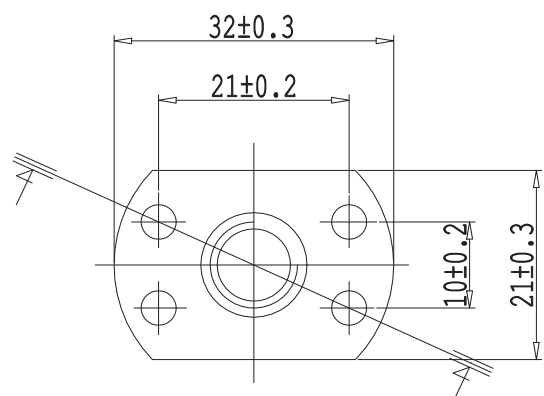
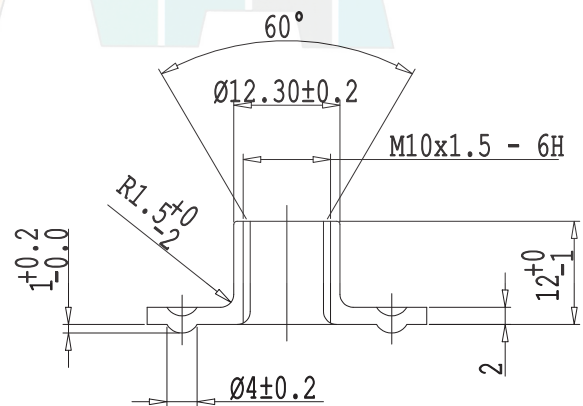
SA 16018



SA 16019

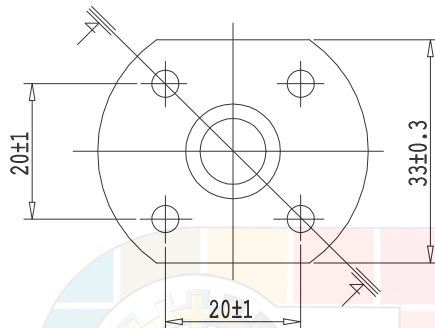
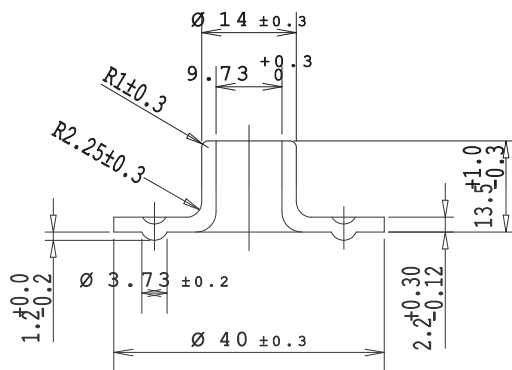


SA 16020

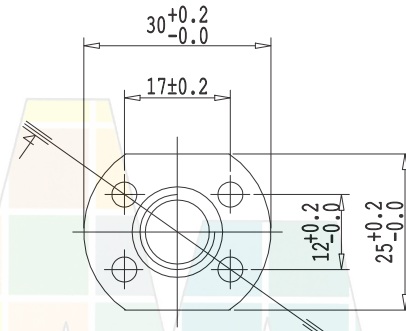
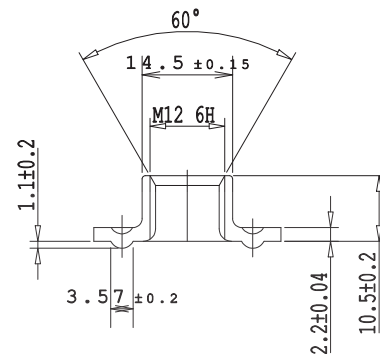


WELDED T-NUT SERIES SA 16000

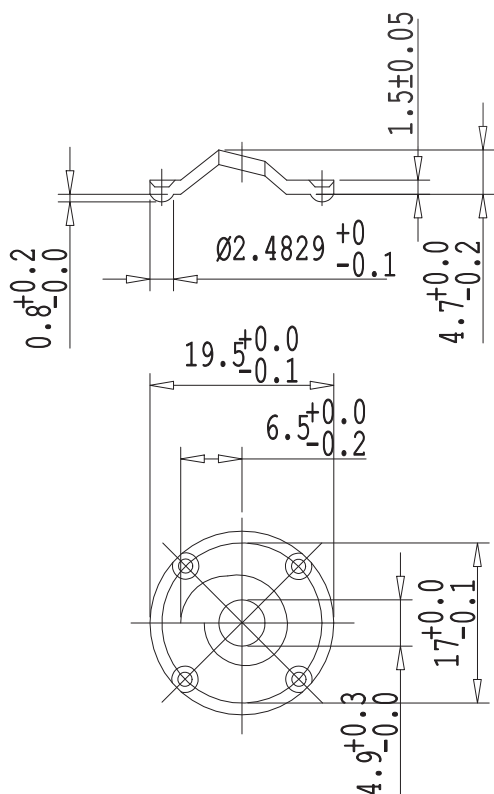
SA 16021



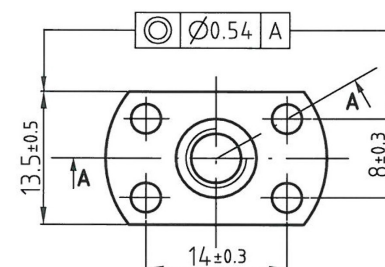
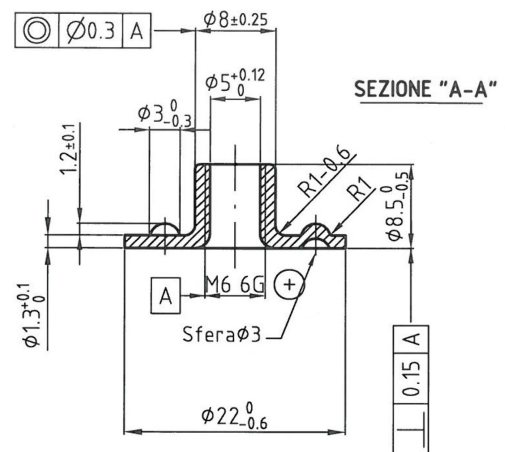
SA 16022



SA 16023

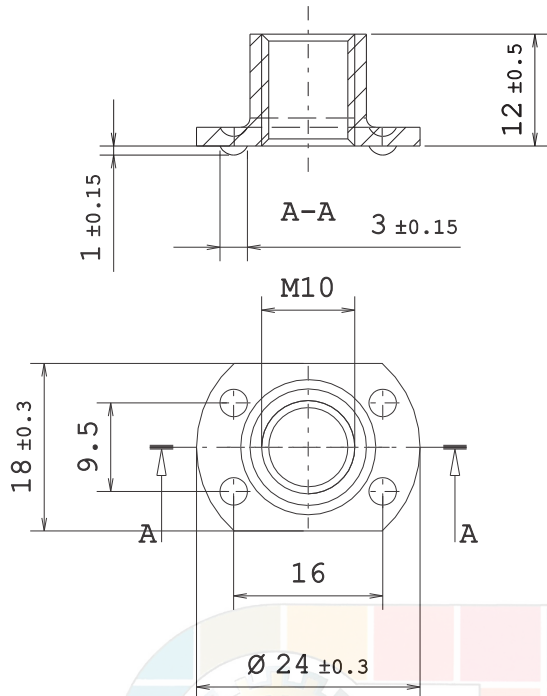


SA 16024

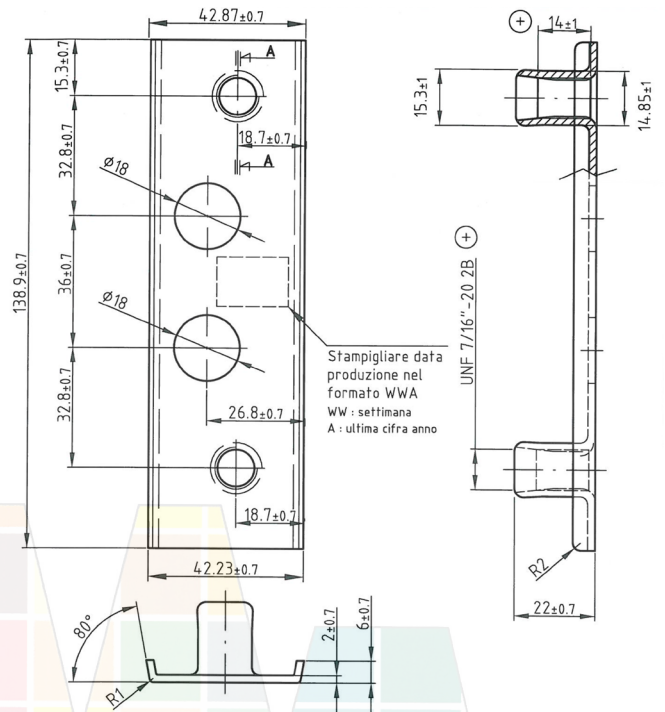


WELDED T-NUT SERIES SA 16000

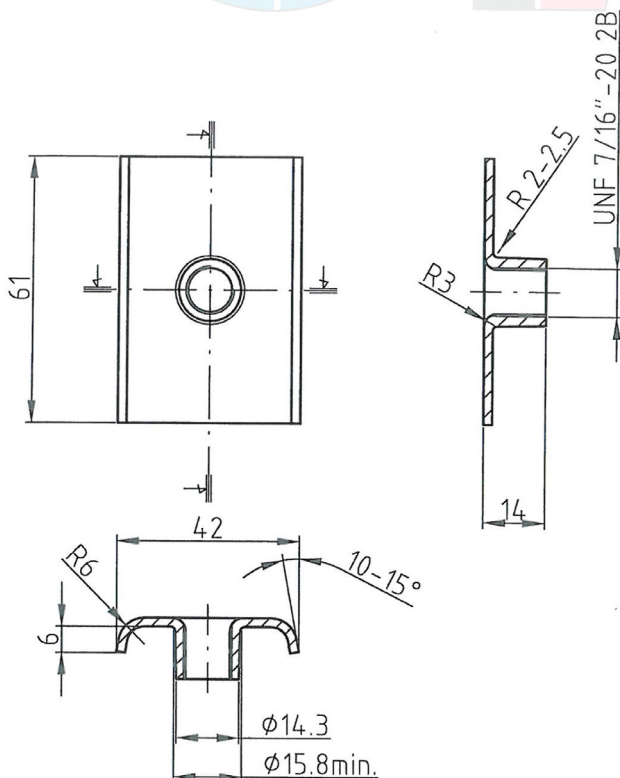
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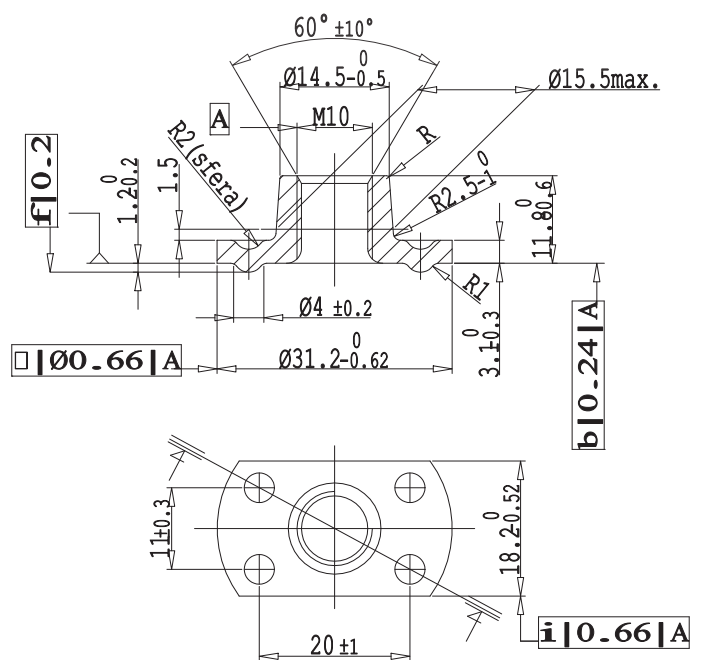
SA 16030



SA 16031

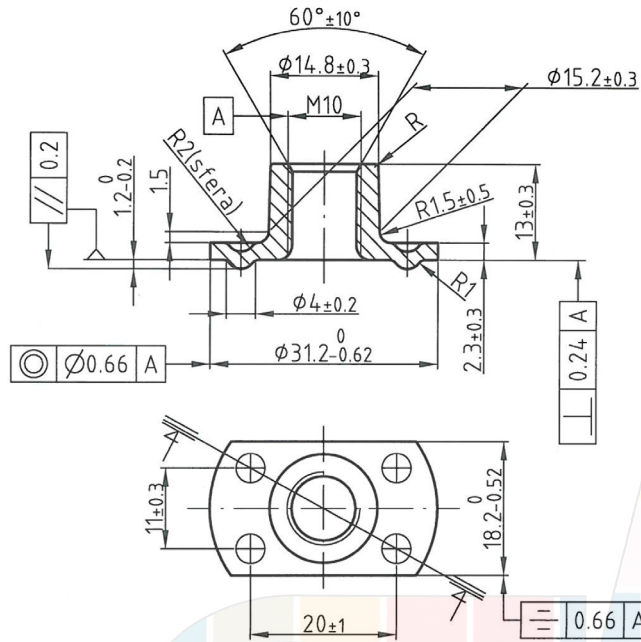


SA 16032

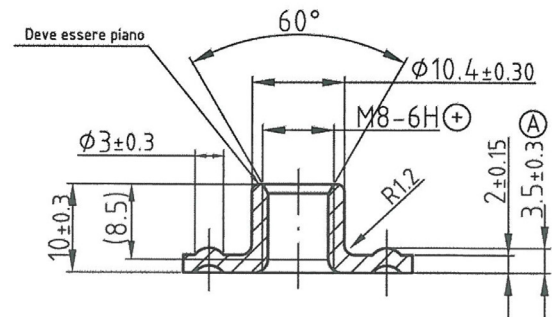


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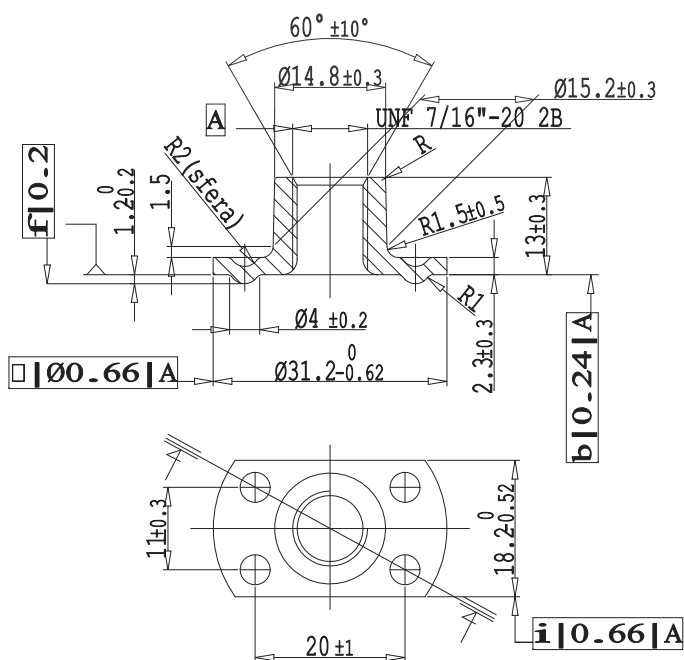
SA 16033



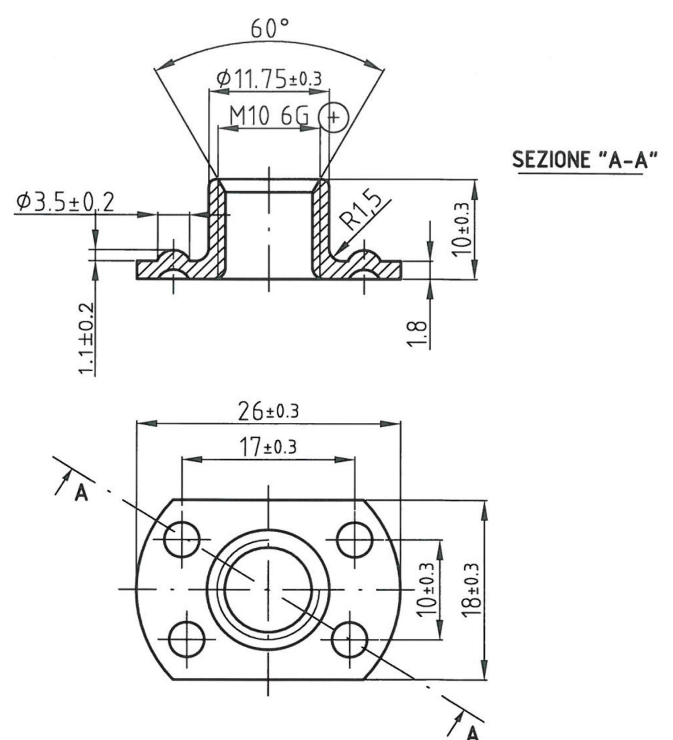
SA 16034



SA 16035



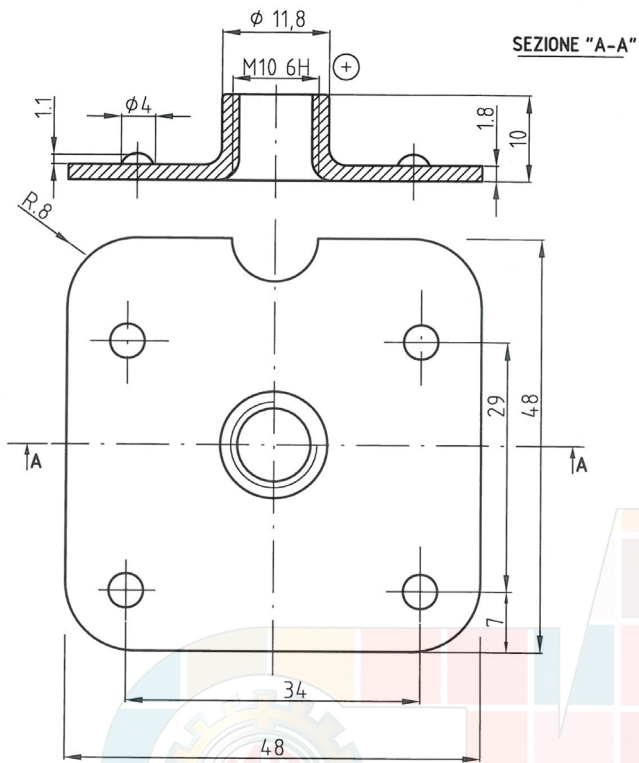
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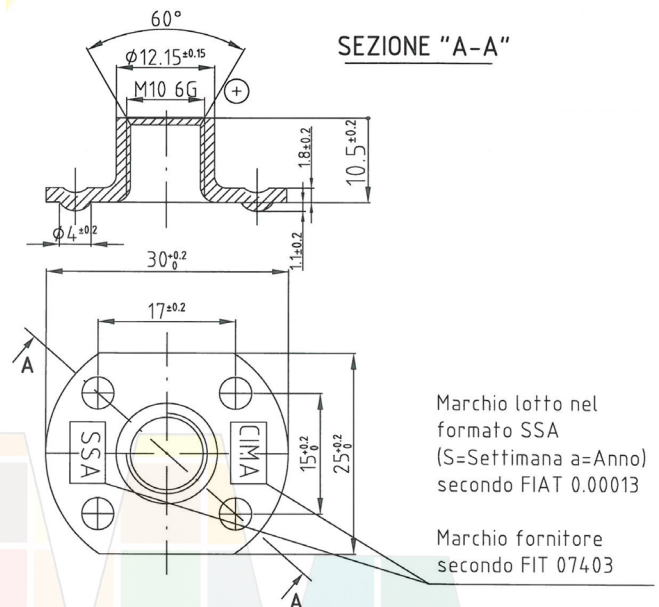
SEZIONE "A-A"

WELDED T-NUT SERIES SA 16000

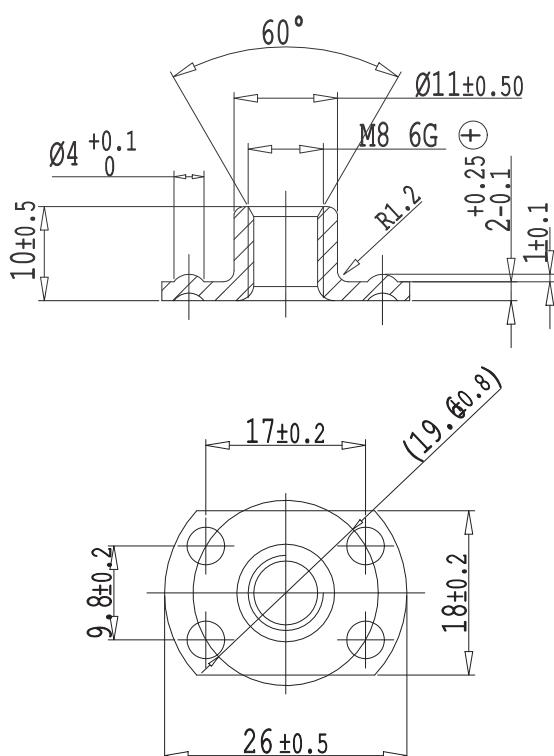
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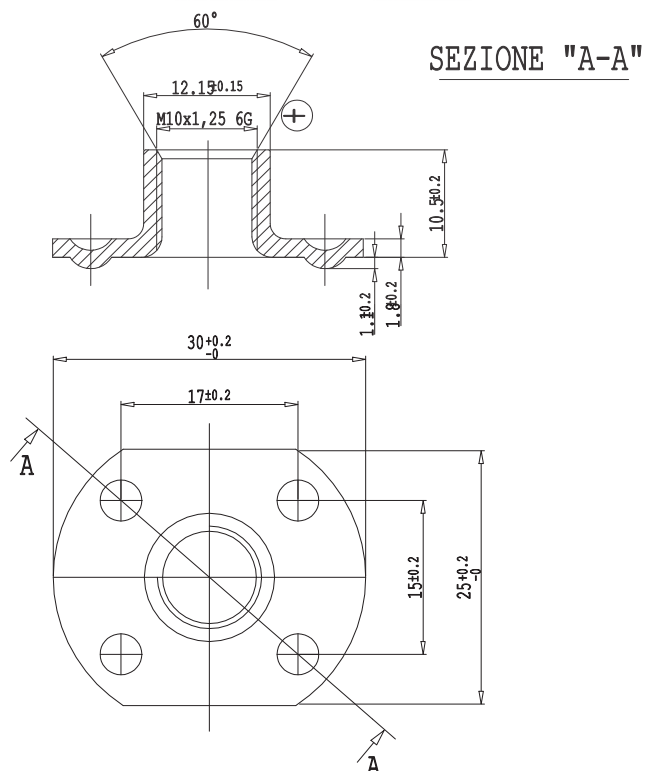
SA 16038



SA 16039

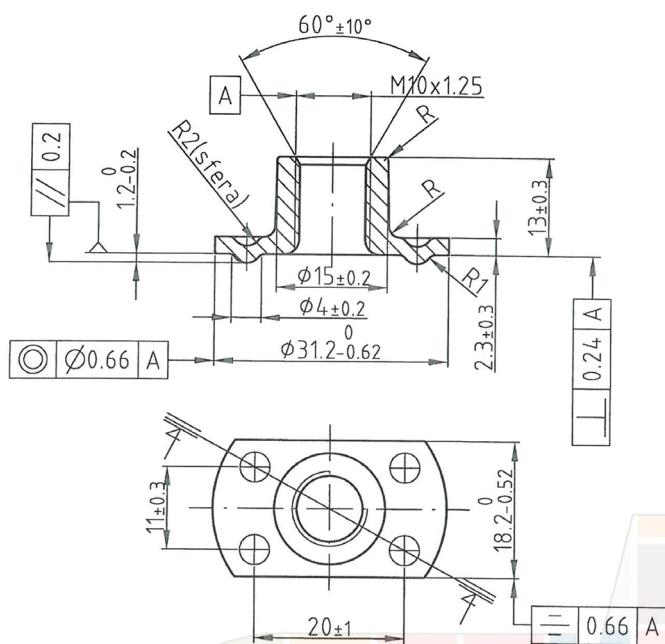


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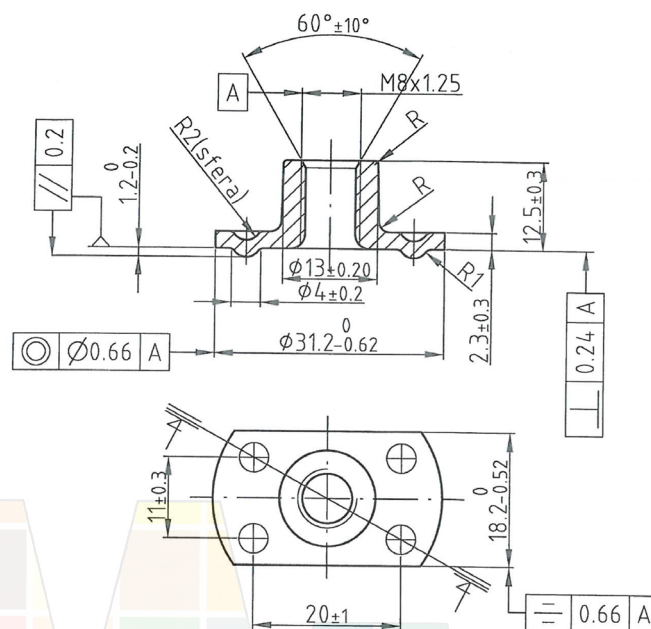


WELDED T-NUT SERIES SA 16000

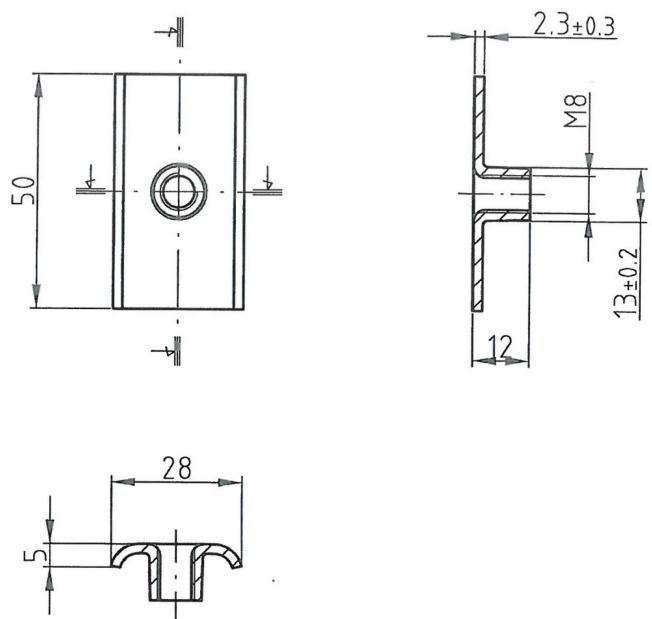
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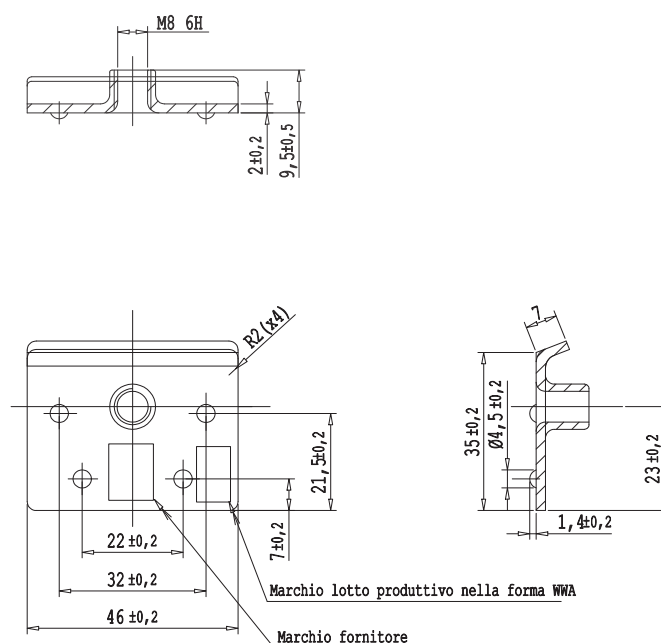
SA 16042



SA 16043

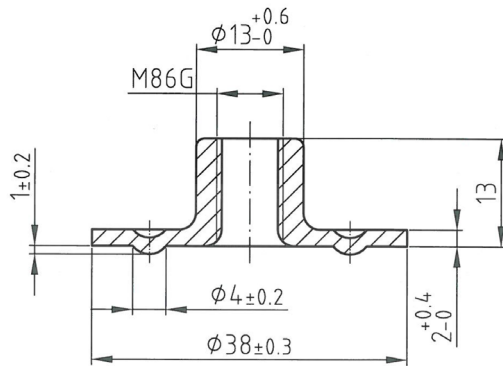


SA 16044

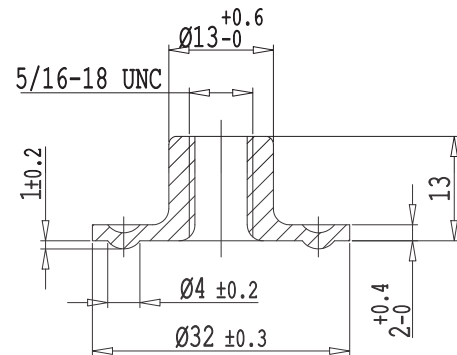


WELDED T-NUT SERIES SA 16000

SA 16045

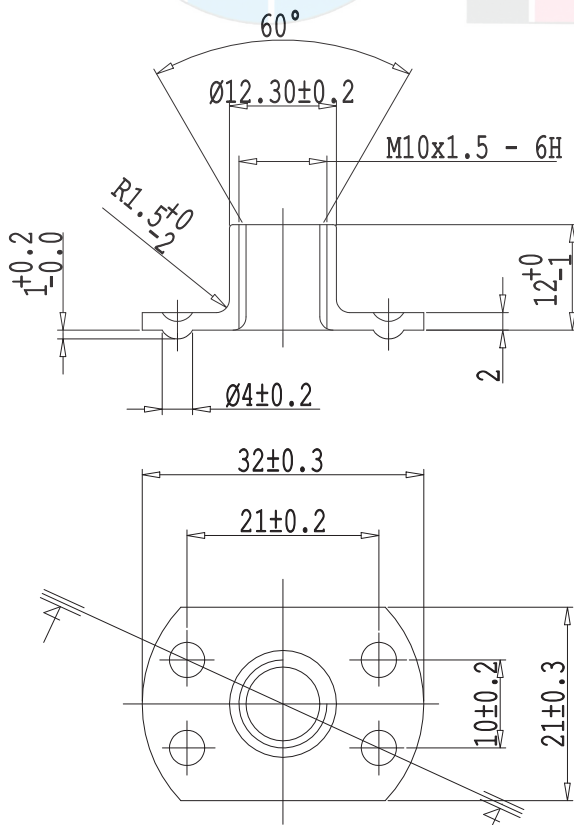


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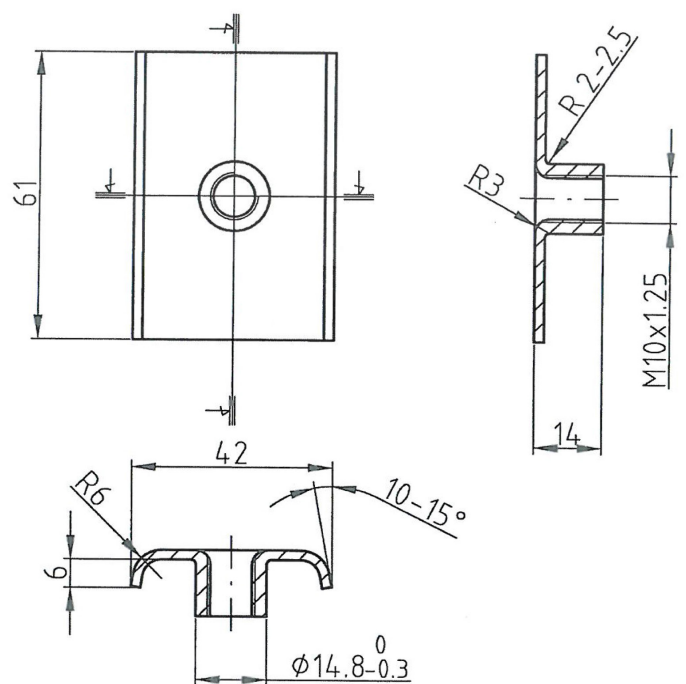


Datario Settimana/Anno

SA 16047

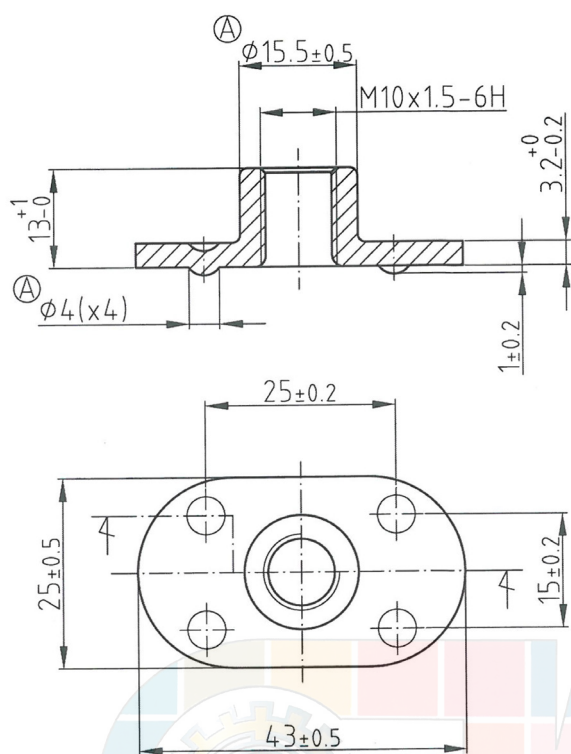


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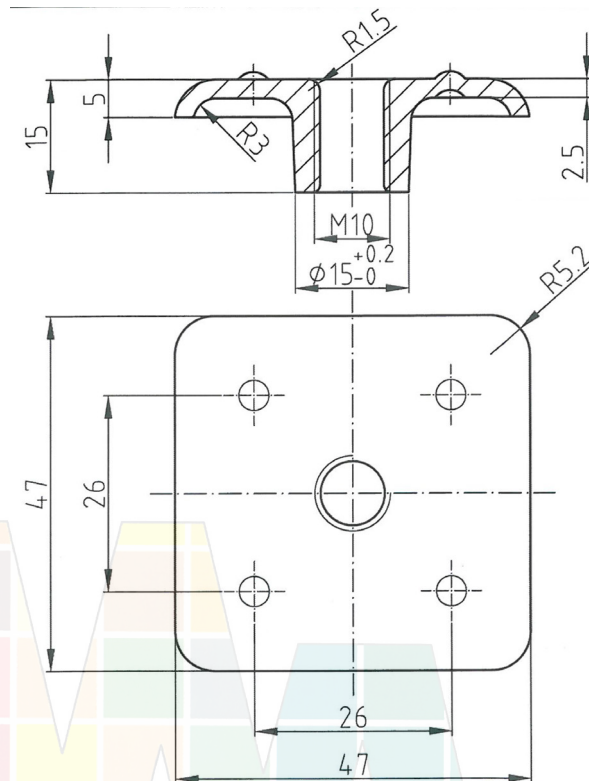


WELDED T-NUT SERIES SA 16000

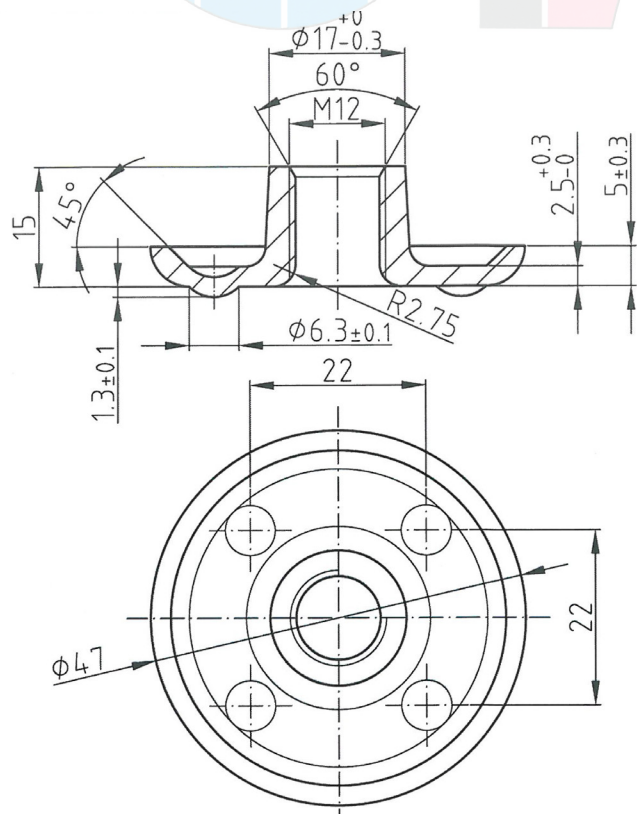
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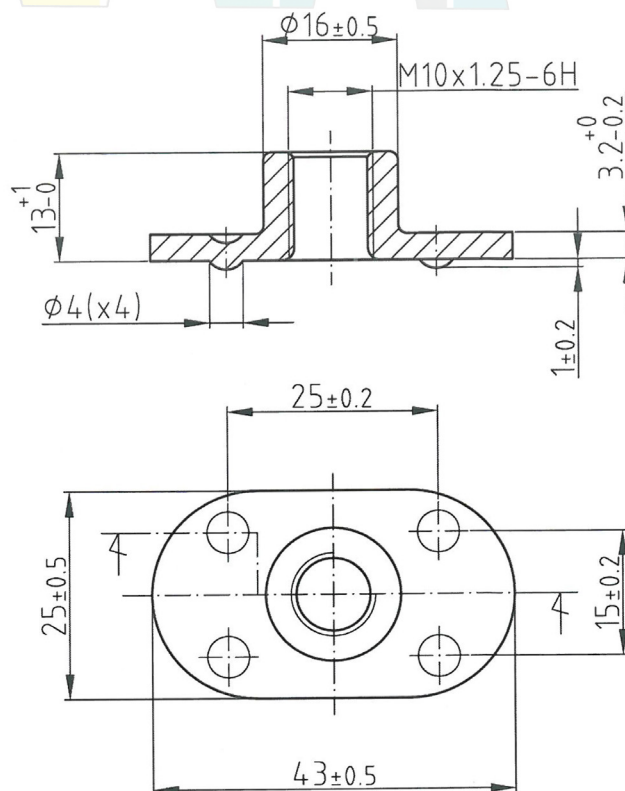
SA 16054



SA 16055

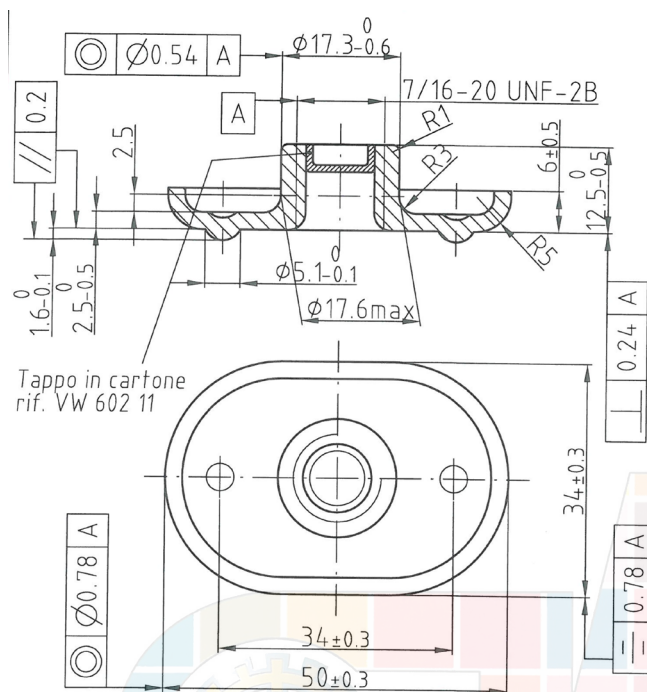


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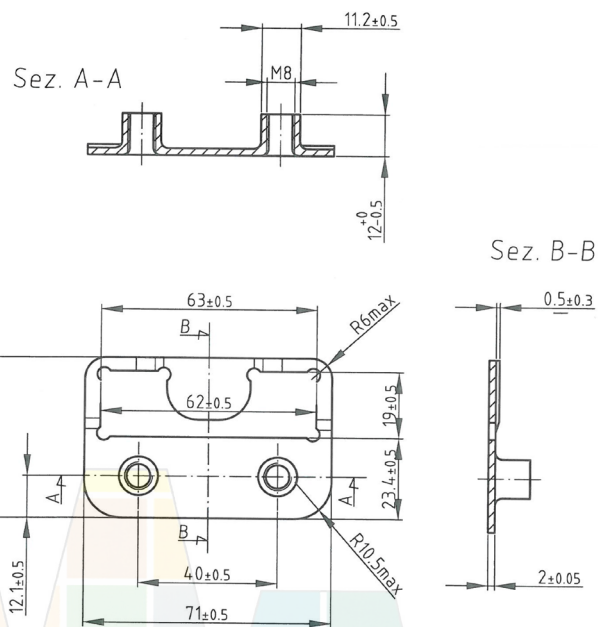


WELDED T-NUT SERIES SA 16000

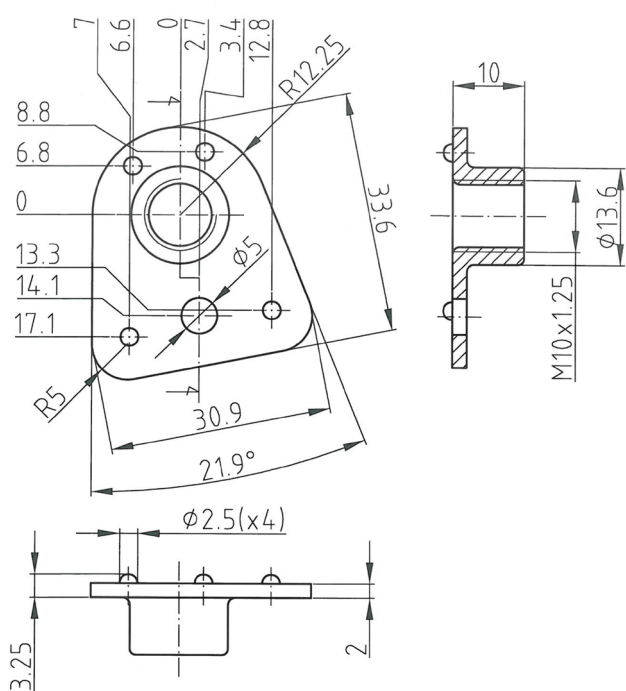
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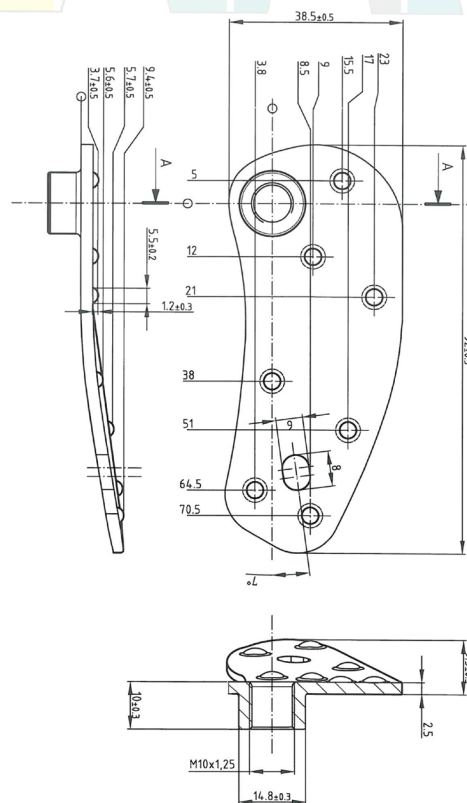
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SA 16063

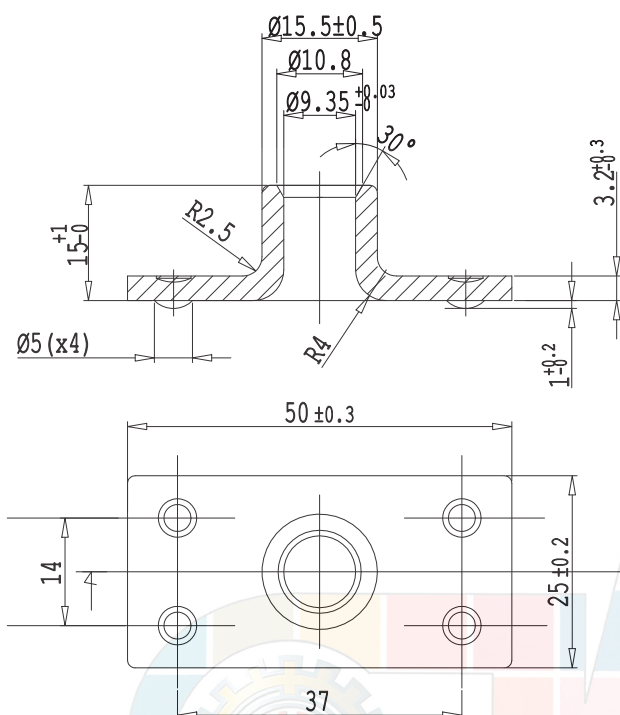


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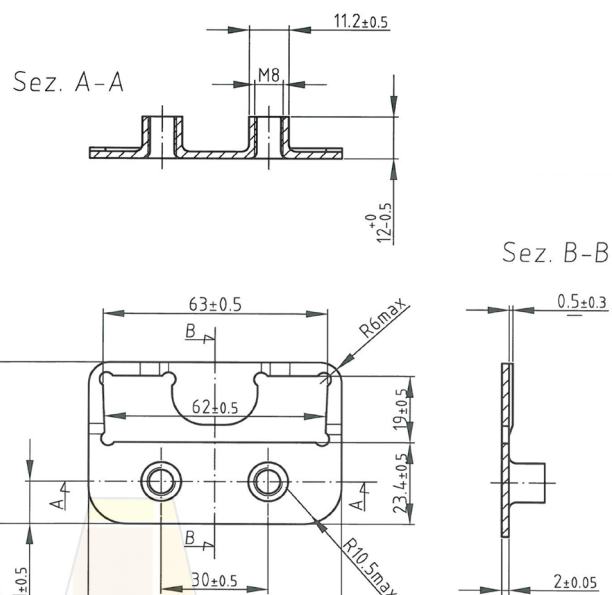


WELDED T-NUT SERIES SA 16000

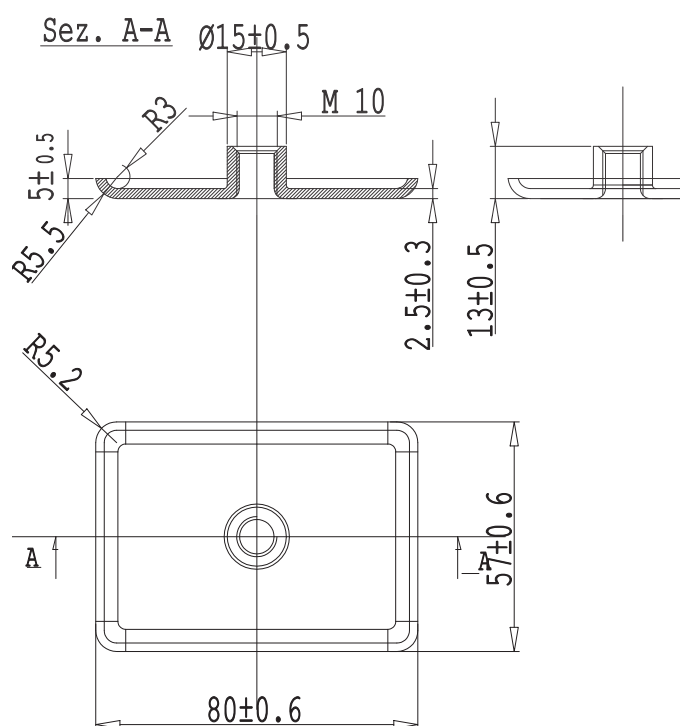
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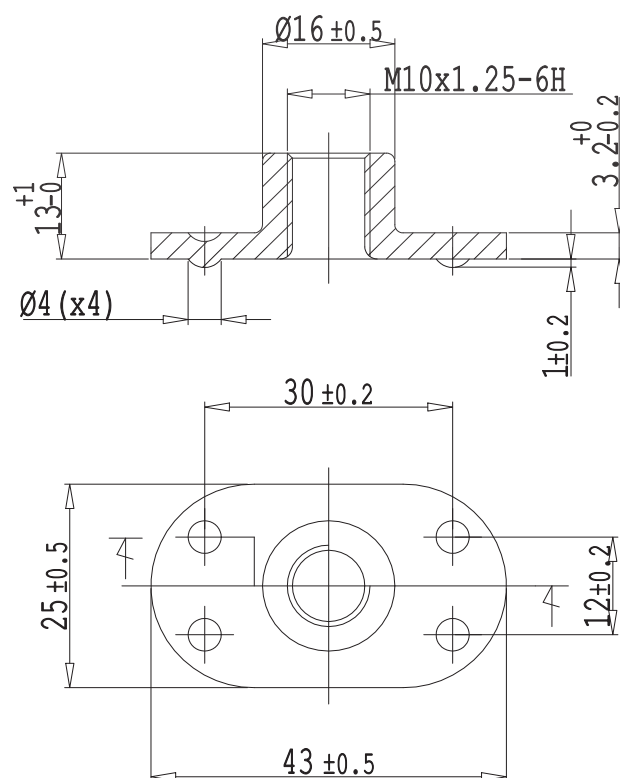
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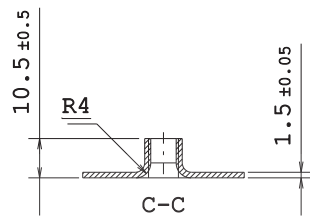


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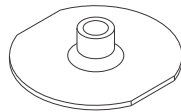
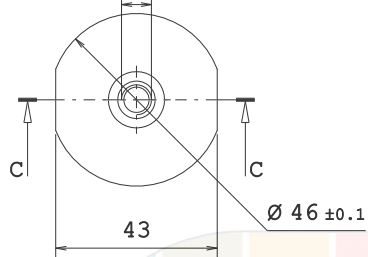


WELDED T-NUT SERIES SA 16000

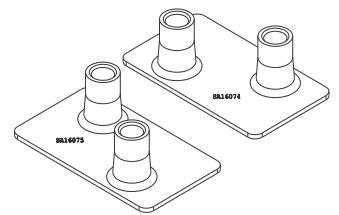
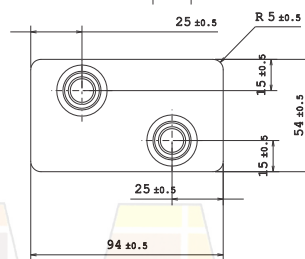
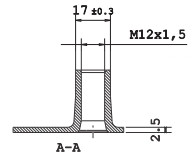
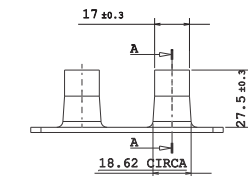
SA 16073



M8-6H (per rullatura)

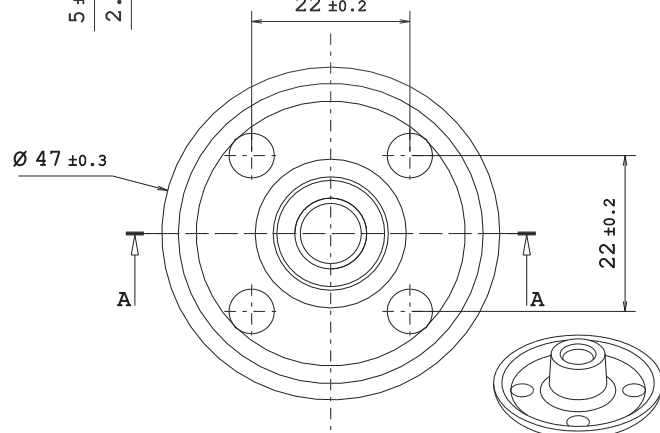
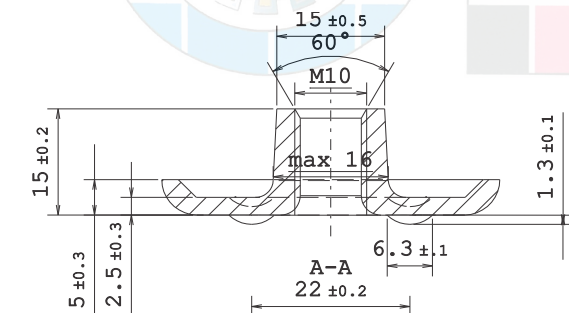


SA 16074

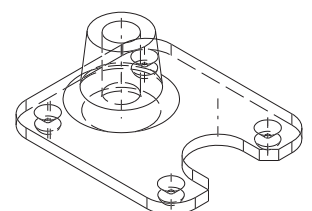
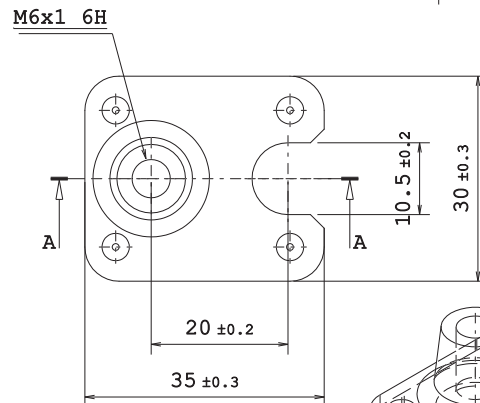
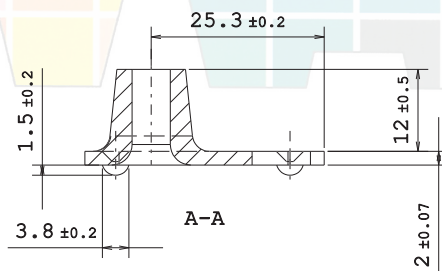


dx/sx

SA 16076

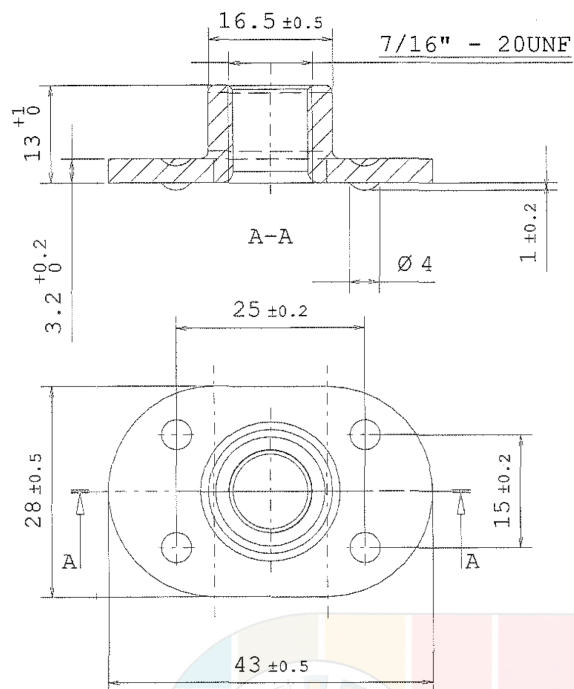


SA 16077

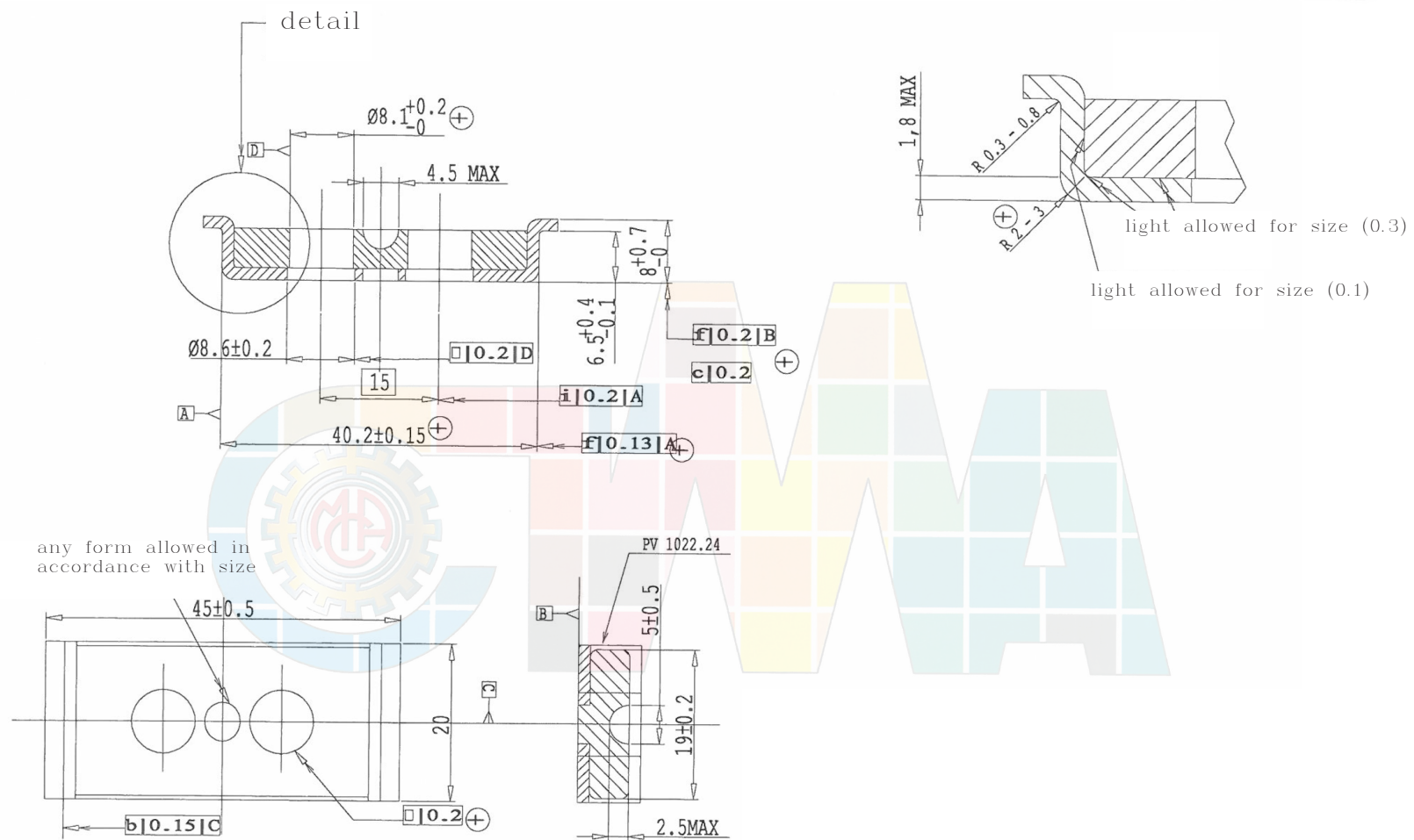


WELDED T-NUT SERIES SA 16000

SA 16078

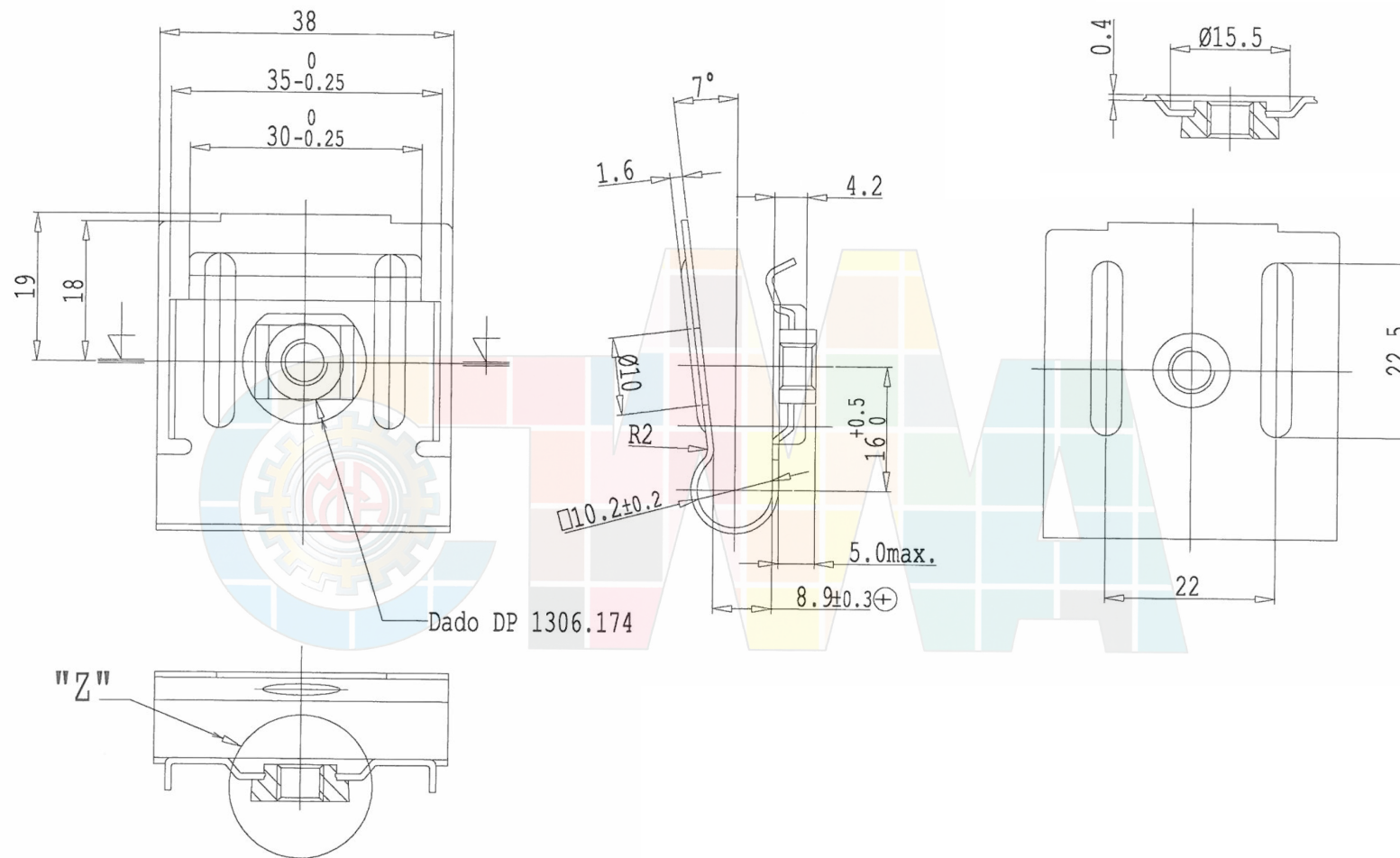


SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



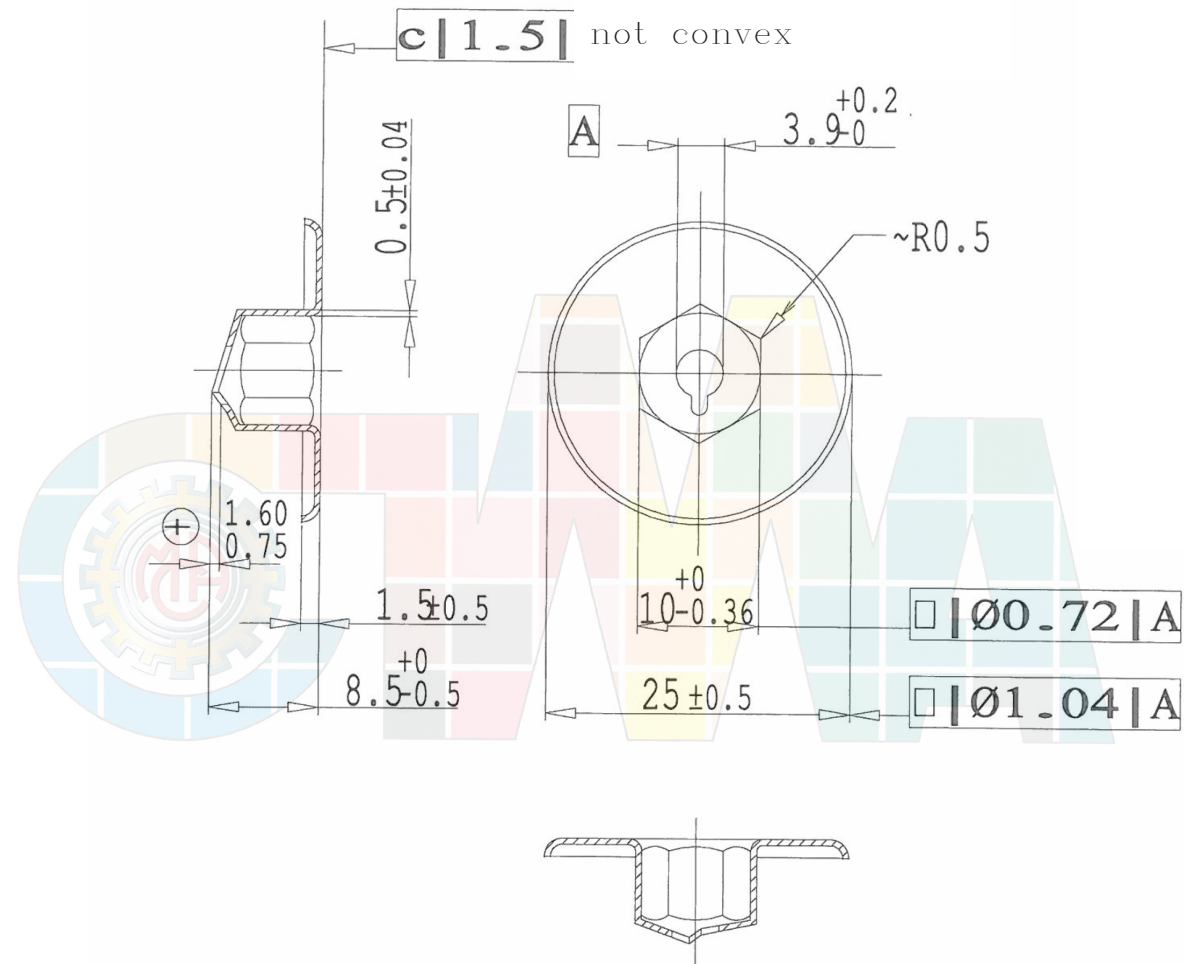
PV 1023

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



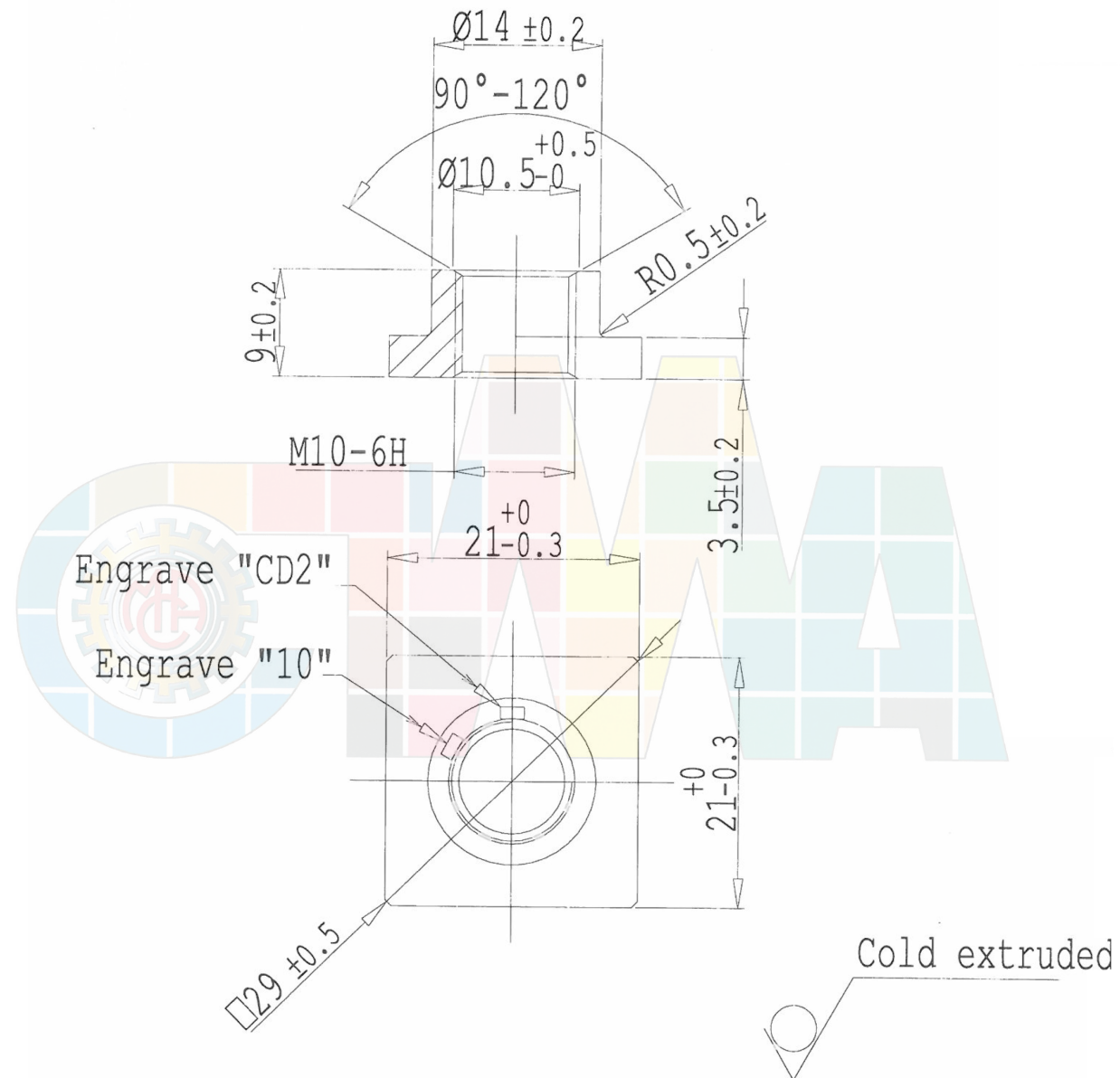
PV 1031

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

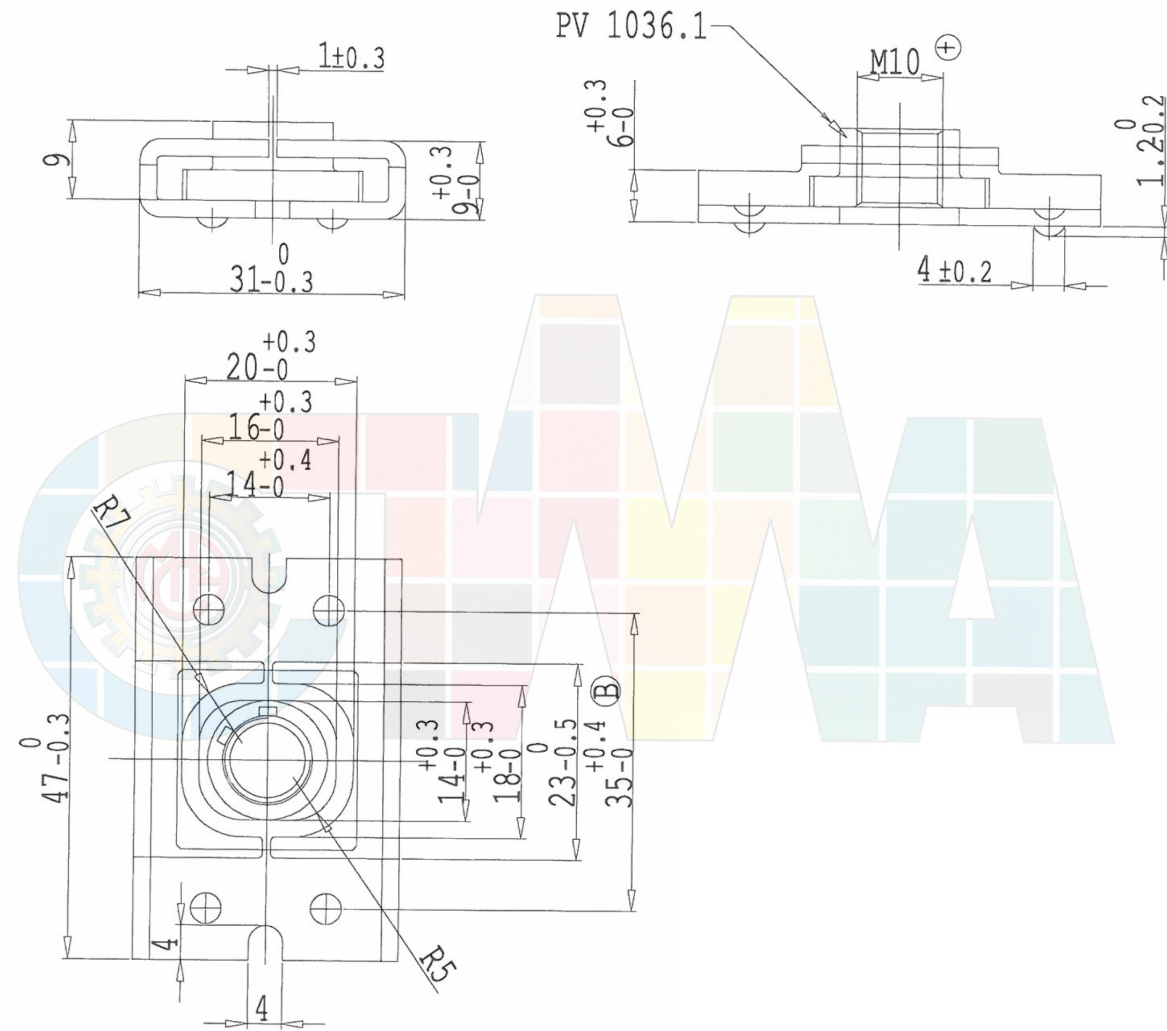


PV 1033

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

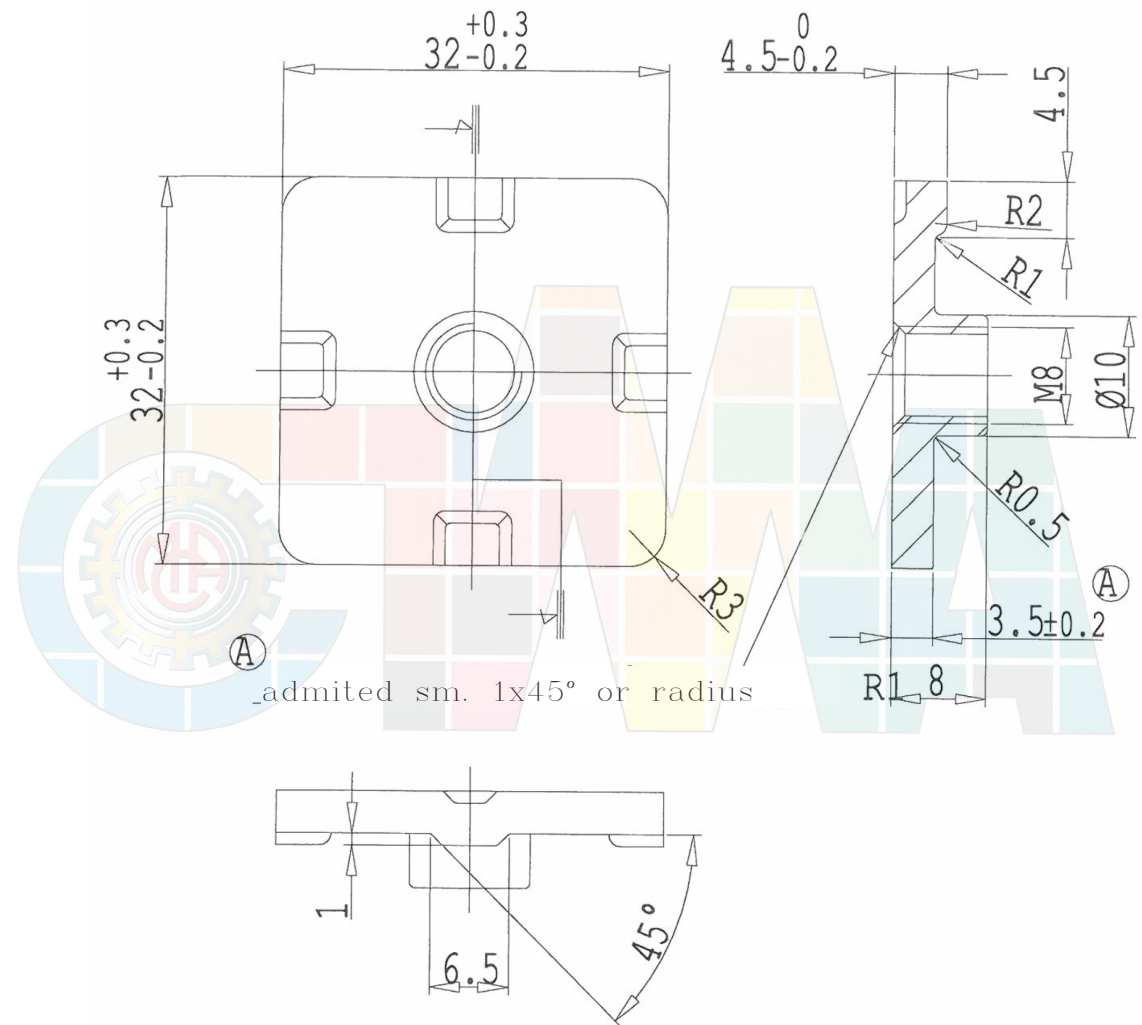


PV 1036



PV 1037

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



PV 1039

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SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

1

CHEMICAL COMPOSITION LIMITS ∇

C %	Mn % min	S % max	P % max	Alloying elements are allowed to achieve required mechanical proprieties.
0,24 0,50	0,30	0,04	0,04	

2

ADMITTED DECARBURIZATION $\oplus$

Minimum thread non-decarburized height	2/3 of thread hight in maximum material conditions
Maximum decarburization depth into thread bottom	1/10 of thread hight in maximum material condition

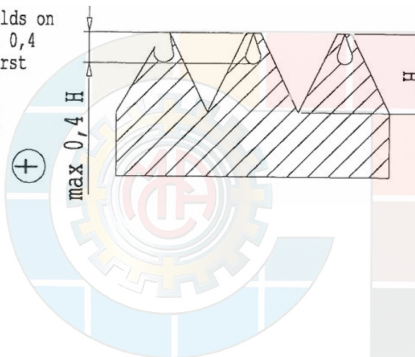
3

Admitted surfaces: square handle and support surface. Stamp number 10 for material class without material swelling.

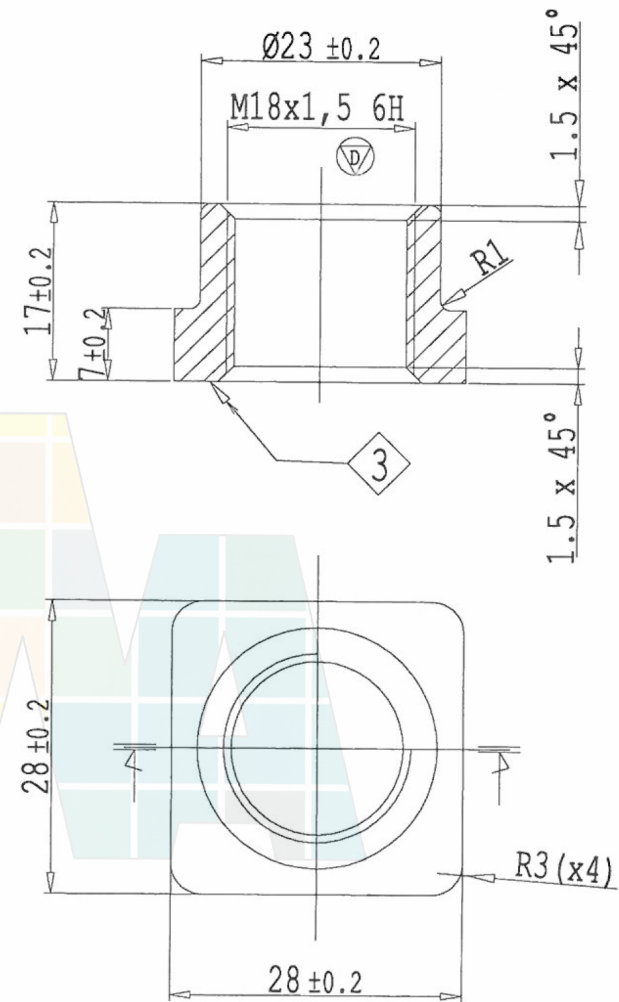
SURFACE DEFECTS ARE NO ADMITTED

As: cracks, scratches, bruises and cuts, folds

On rolling threading, folds on crest are admitted until 0,4 H with closed cavity. First thread opened cavity is admitted provided it non affect the correct screw entrance.



Cold forming

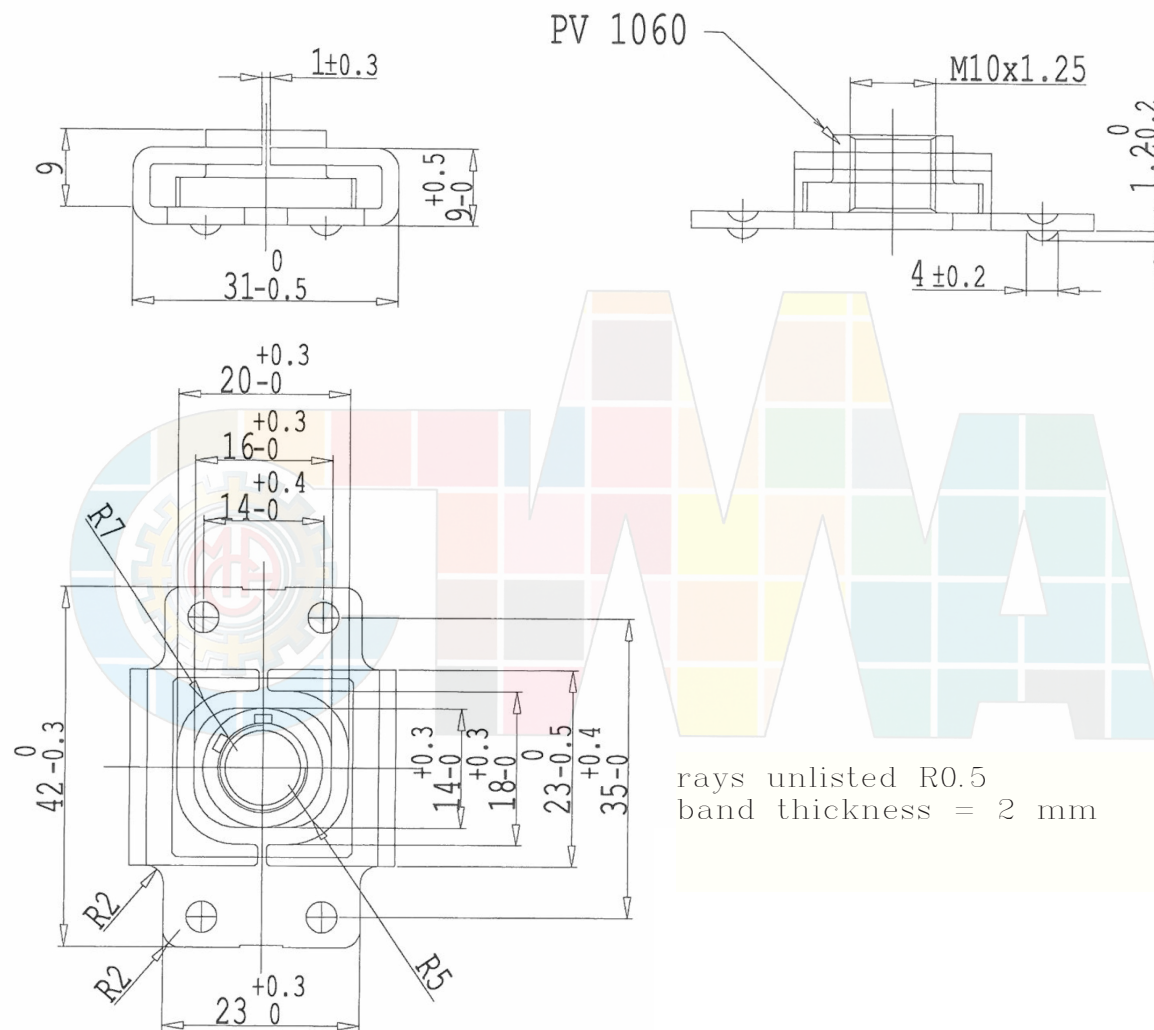


PV 1050.41

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SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

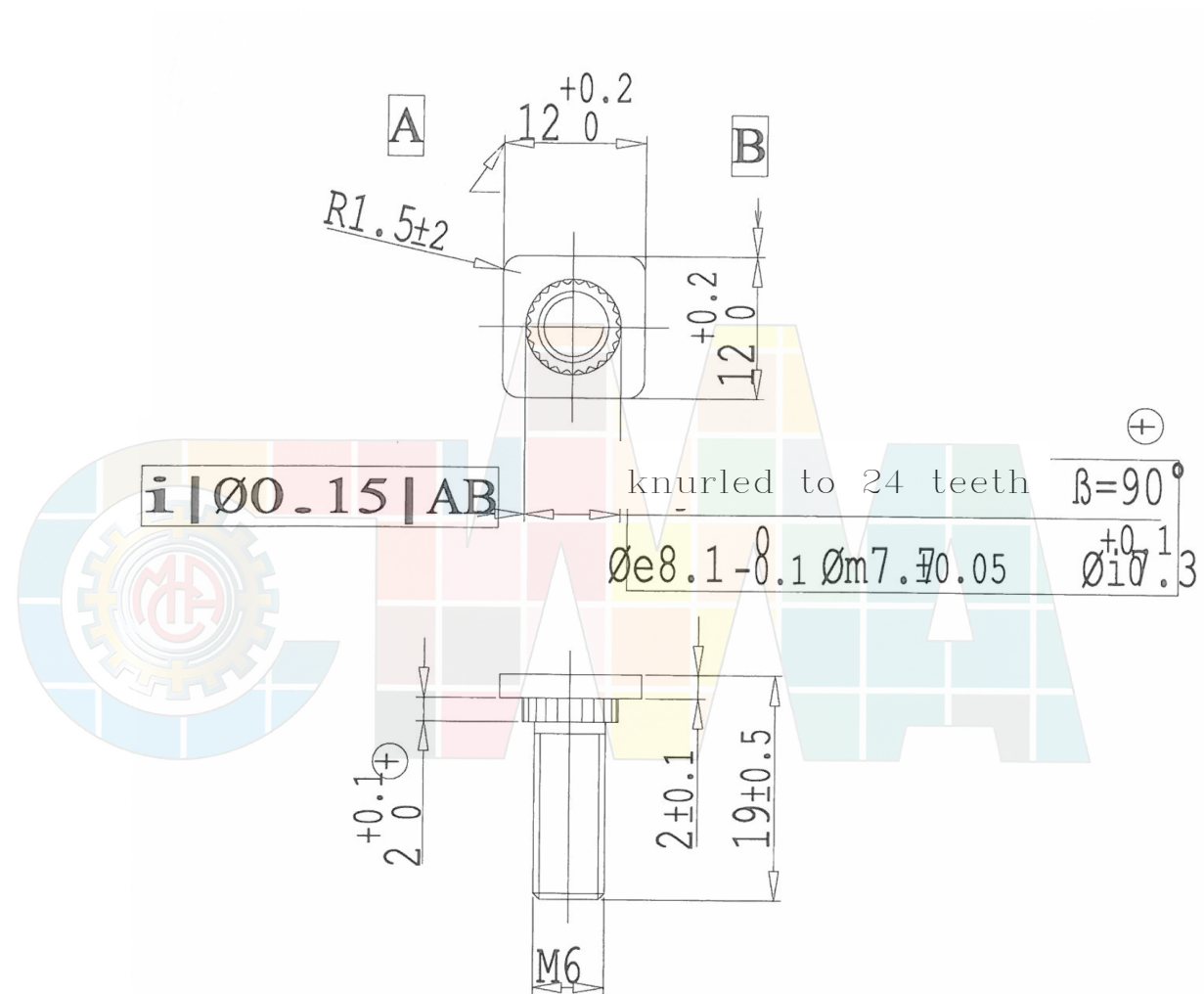


PV 1061



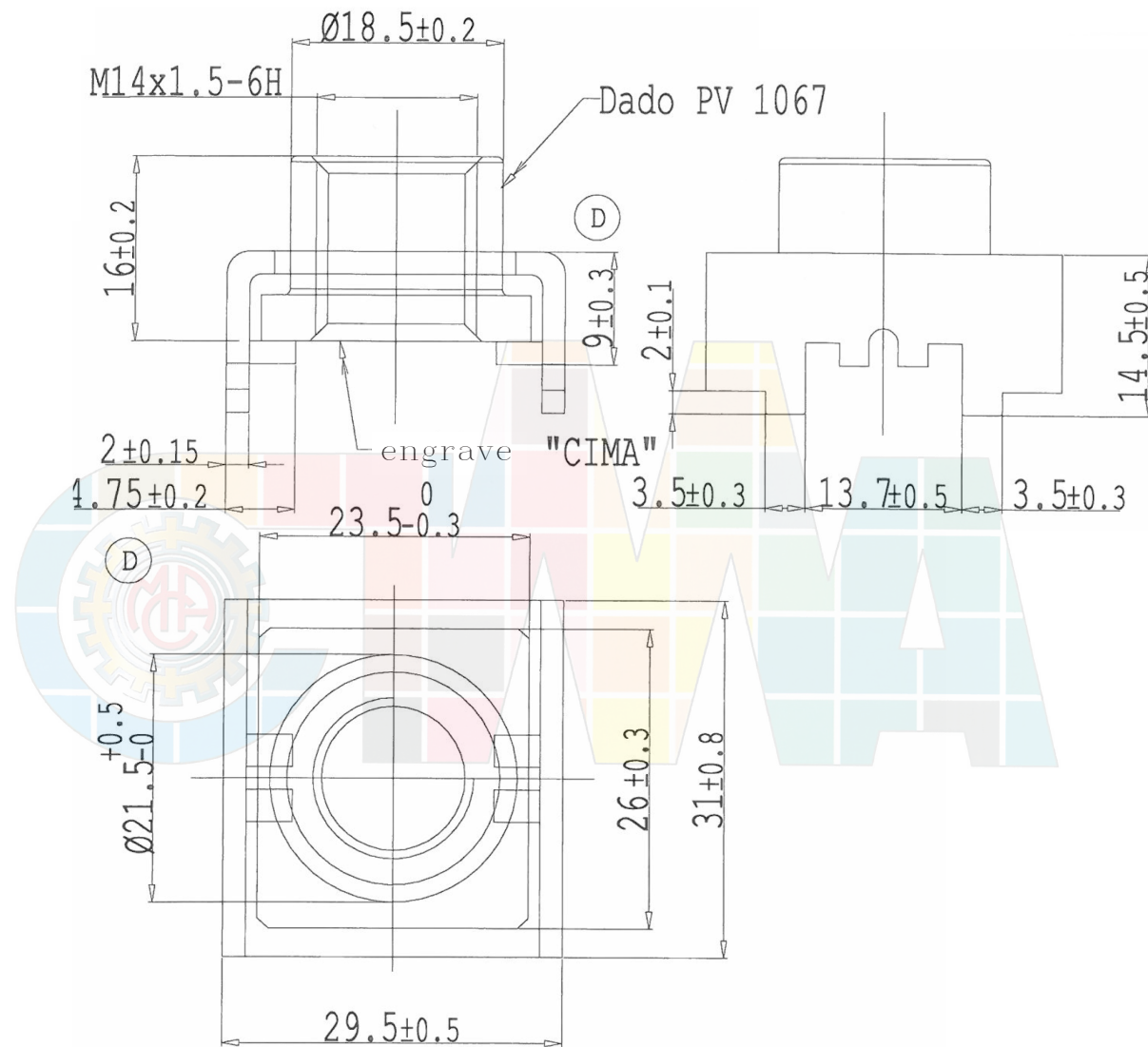
93

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



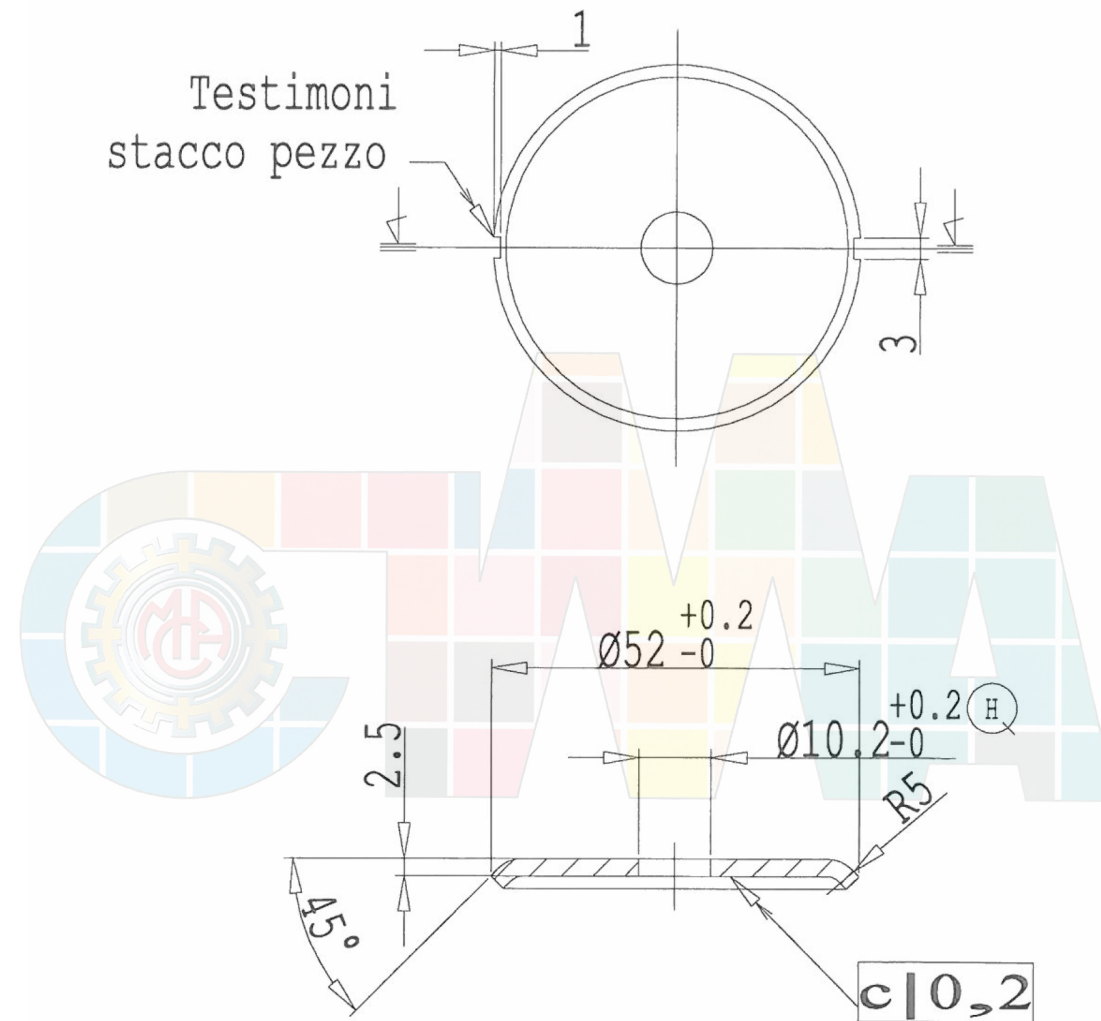
PV 1066.1

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



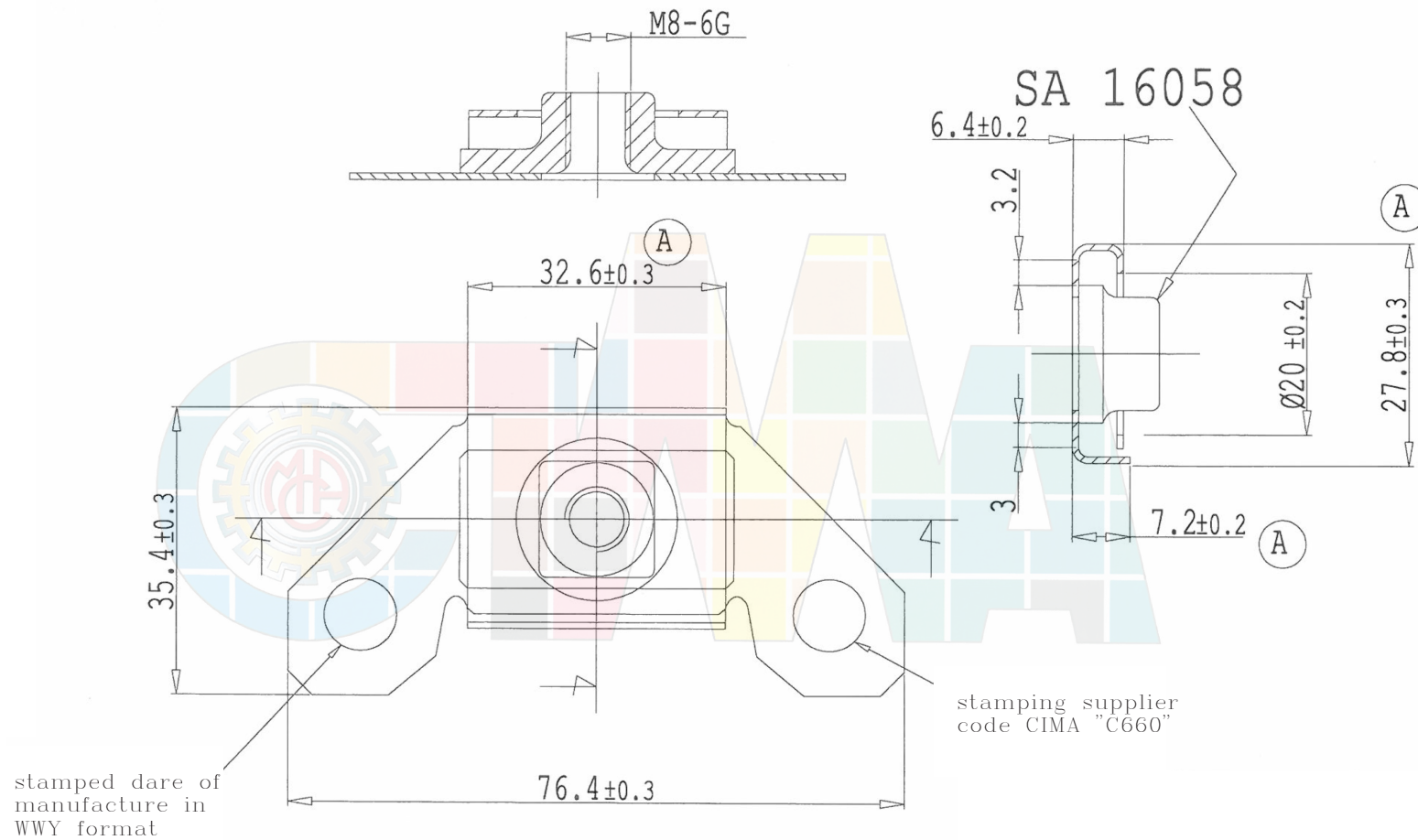
PV 1068

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



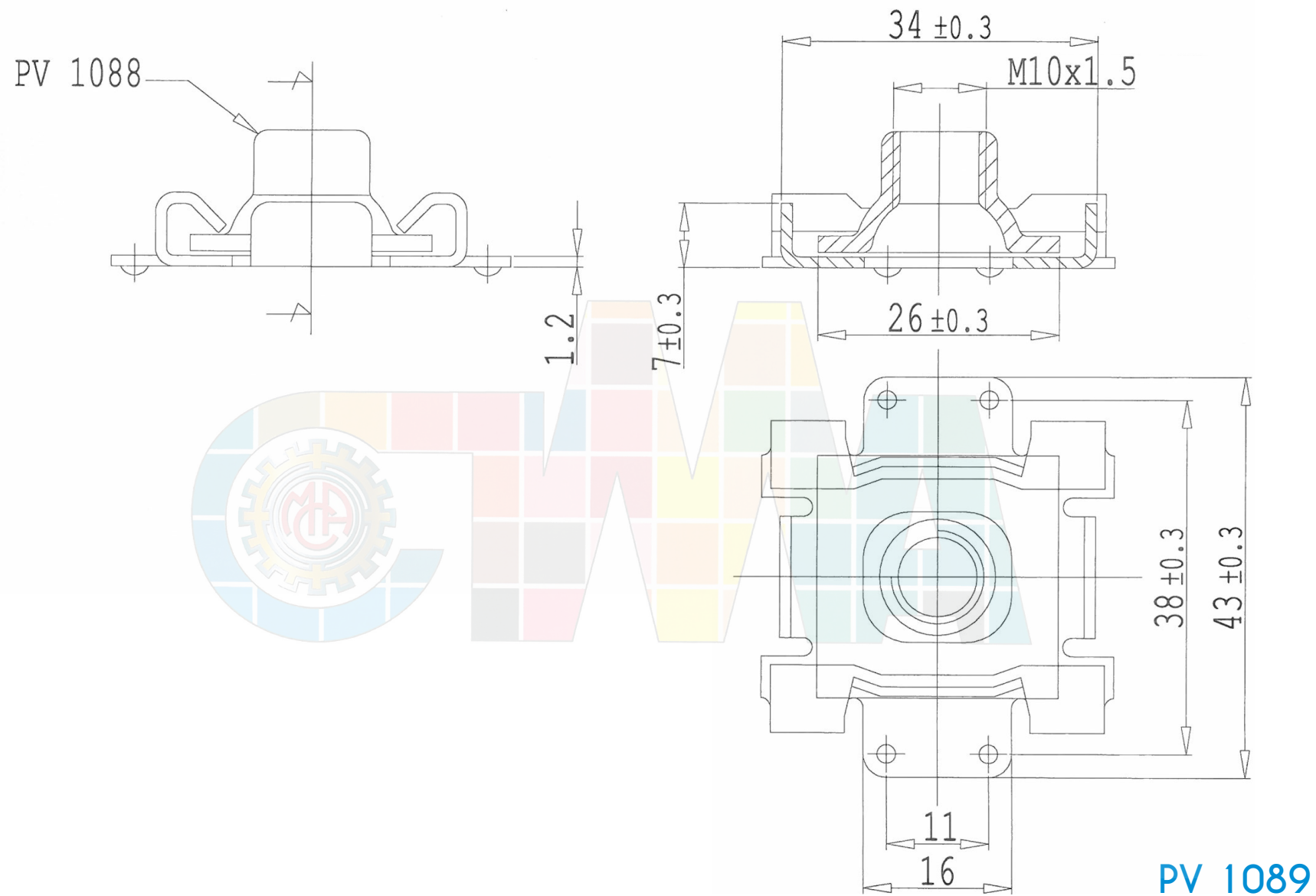
PV 1071

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

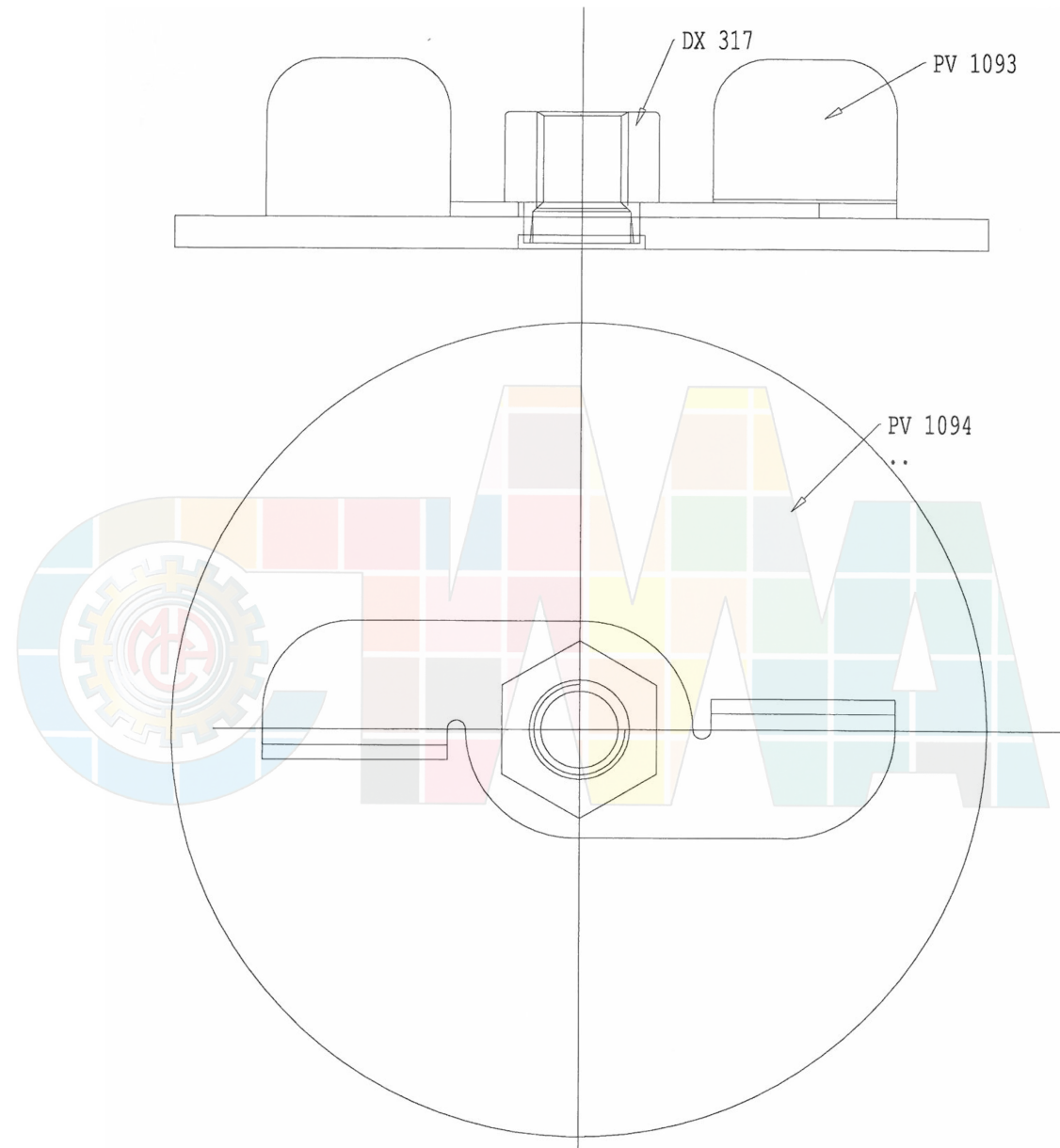


PV 1087

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV

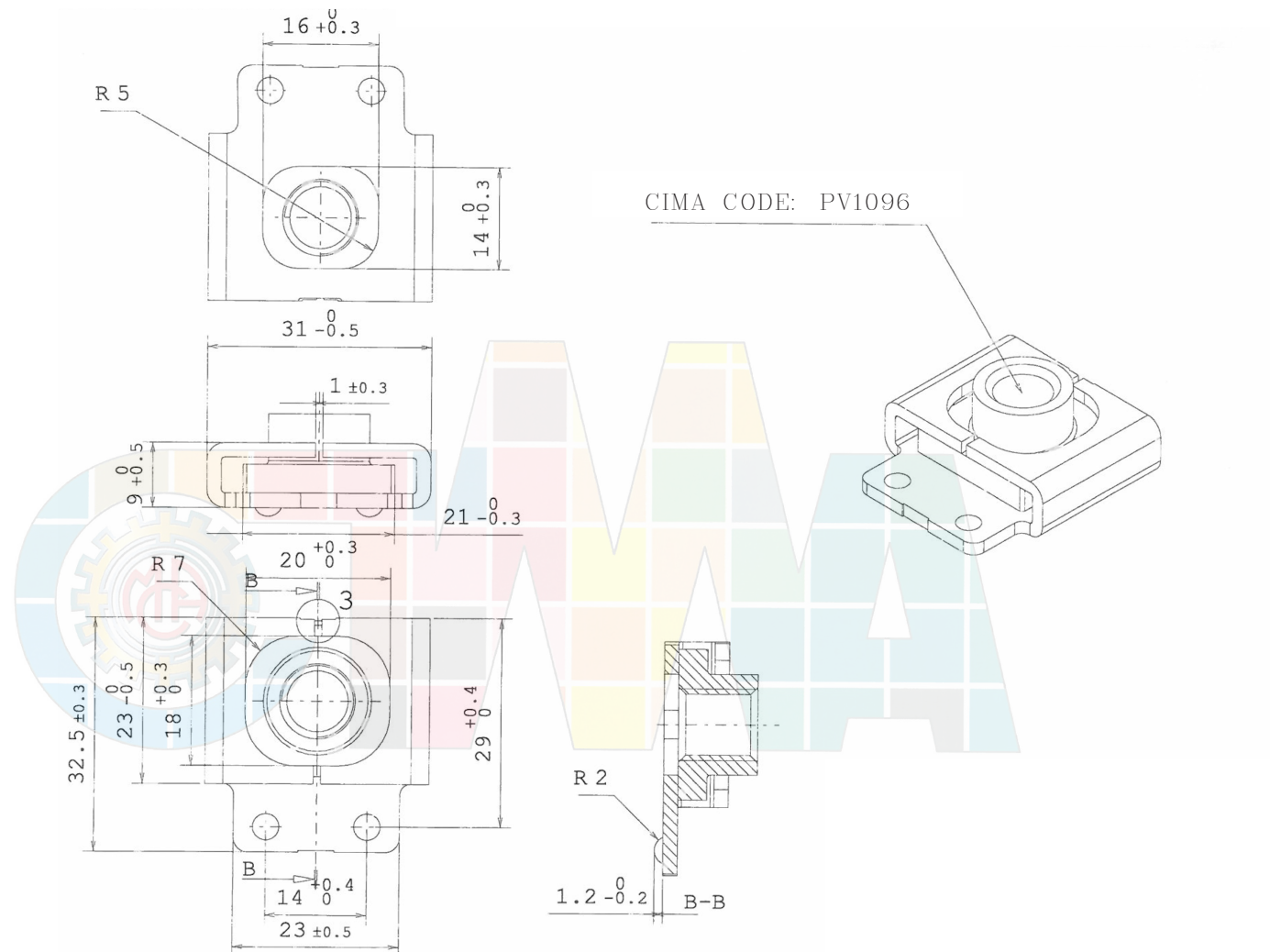


SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



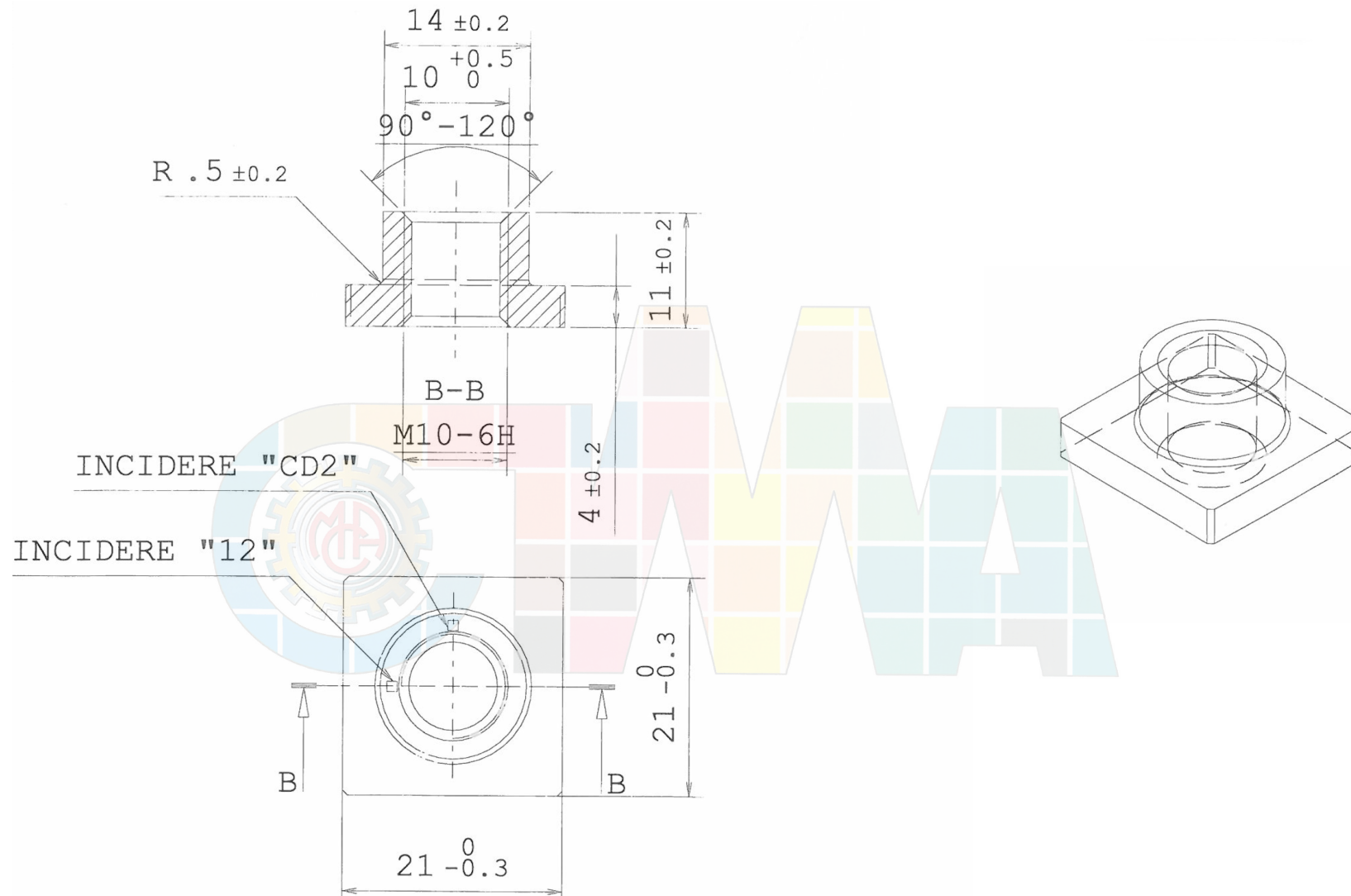
PV 1095

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



PV 1097

SPECIAL MANUFACTURED FLOATING NUT - SERIE PV



PV 1096

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FASTENERS DIVISION
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