DISTRIBUITOR AUTORIZAT

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CERTIFIED MANAGEMENT SYSTEM
TÜV CERT
DIN EN ISO 9001:2000

staffe e collari per fissare tubi

clamps for all clamping applications

Staffe e collari per fissare tubi
Clamps for all clamping applications

SOMMARIO • INDEX

Introduzione
Introduction 2

Suggerimenti per il montaggio
Mounting details 4

Programma di produzione
Production program 6

Collari serie standard in polipropilene, poliammide autoestinguente, gomma o alluminio
Standard clamps in polypropylene, self-extinguishing polyamide, rubber or aluminium 7

Collari serie standard con piastra superiore in polipropilene, poliammide autoestinguente, gomma o alluminio
Standard clamps with upper plate in polypropylene, self-extinguishing polyamide, rubber or aluminium 10

Collari doppi in polipropilene, poliammide autoestinguente o gomma
Double clamps in polypropylene, self-extinguishing polyamide or rubber 11

Collari serie pesante in polipropilene, poliammide autoestinguente, alluminio o gomma
Heavy duty clamps in polypropylene, self-extinguishing polyamide, aluminium or rubber 14

Piastre doppie per serie pesante
Double plates for heavy duty series 19

Piastre speciali per serie standard
Special plates for standard series 20

Collari serie standard per tubi gemellati
Standard series clamps for twin tubes 21

Elementi di fissaggio per tubi rigidi, flessibili e cavi elettrici
Clamps for hoses, pipes, tubes and cables 22

Supporto tra tubo e cilindro
Pipe clamp for cylinder 23

Caratteristiche materiali
Materials properties 24

Introduzione

Le staffe ed i collari  rappresentano il sistema più semplice, veloce e razionale per fissare tubi, sia rigidi che flessibili, in qualsiasi campo industriale, navale, elettrico.

Le staffe e i collari sono di facile impiego e permettono di fissare tubi, cavi elettrici, guaine, canaline, ecc., in modo sicuro, rapido ed economico.

Esteticamente e tecnicamente valide, possono venir agganciate con la massima facilità su qualsiasi tipo di struttura fissa per mezzo di guide saldabili.

- Tutti i particolari sono costruiti con riferimento alle norme DIN 3015, edizione gennaio 1999.

I collari delle staffe vengono prodotti nei seguenti materiali:

- Polipropilene copolimero - di colore verde - per la serie standard, pesante e doppia
- Poliammide - di colore nero - (Nylon 6-6 caricato al 20% con fibra di vetro, autoestinguente VO), per la serie standard, pesante e doppia
- Alluminio, per la serie leggera e pesante
- Gomma - di colore nero - per serie standard e pesante.

Gli altri componenti delle staffe vengono prodotti, di serie, con i seguenti materiali:

- Piastra inf. e sup.: acciaio FE 35
- Viti e rondelle: acciaio A6S
- Binari o canaline: acciaio FE 35

Tutte le parti metalliche sono fornite in Acciaio Inox 316L. A richiesta Inox 304 e Inox 316.

Introduction

 clamps are a sensibile and easy way of securing piping and hoses in all type of industries and on all types of terrestrial and marine installations.

 clamps characteristics are:

- manufactured with reference to DIN 3015, edition january 1999
- pleasant, practical and economical design
- using weldable plates or guides, it's easy to anchor the clamps to machinery and steelwork
- fast, safe, economic installation and service in piping systems

 pipe clamps are manufactured in:

- Polypropylene - green colour - for standard, heavy duty and double series
- Polyamide - black colour - (Nylon 6-6 loaded with 20% of fiberglass self-extinguishing VO) for standard, heavy duty and double series
- Aluminium for standard and heavy duty series
- Rubber - black colour - for standard and heavy duty series

The other metallic components of the clamps are manufactured in:

- Lower and upper plate: Steel FE 35
- Screw and washer: Steel A6S
- Rail: Steel FE 35

We produce and stock all metallic parts in stainless 316L. On request stainless steel 304 and 316.

Einfuhrung

-Schlauchschellen sind ein einfacher Weg zur sicheren Befestigung von Rohren und Schläuchen bei allen industriellen Installationen.

Vorteile der -Schlauchschellen:

- praktische, wirtschaftliche Konstruktion
- anschweißare Platten, dadurch einfaches Anbringen an Maschinen und Stahlgerüsten
- schnelle, sichere, wirtschaftliche Installation und Wartung bei Rohrsystemen

-Schlauchschellen werden DIN 3015 hergestellt aus:

- Polypropylen - Farbe grün - für Standardreihe, schwere Reihe und Doppelreihe
- Polyamid mit 20% GFK - Anteil - Farbe schwarz - für Standard Reihe, schwere Reihe und Doppel Reihe
- Aluminium für Standard Reihe und schwere Reihe
- Gummi - Farbe Schwarz für standard und schwere Reihe

Die anderen Metallkomponenten der Schlauchschellen werden aus Normalstahl hergestellt.

Auf Anfrage können wir auch alle Metallteile in Edelstahl 304 - 316 - 316L herstellen.

Introduction

Les colliers de fixation constituent un moyen pratique, rapide et facile pour la fixation des tuyaux, qu'ils soient rigides ou souples, dans n'importe quel domaine industriel, naval ou électrique.

Les colliers de fixation sont d'un emploi facile et permettent de fixer les tuyaux, câbles électriques, gaines, canalisations, etc.. de manière sûre, rapide et économique.

Leur conception esthétique et technique permet de les accrocher très facilement sur tout type de structure fixe au moyen de glissières a souder.

Les colliers sont fabriqué en référence au normes DIN 3015, édition janvier 1999, dans les matériaux suivants:

- Copolymère de polypropylène - de couleur verte - pour les séries standard, à charges lourdes et colliers doubles
- Polyamide - de couleur noire (nylon 6-6 renforcé de fibres de verre à raison de 20%, auto-extinguible VO) pour les séries standard, à charges lourdes et doubles
- aluminium pour les séries standard et à charges lourdes
- coautchouc - de couleur noire - pour les series standard et à charges lourdes.

Les autres composants des brides sont fabriqués, en série, dans les matériaux suivants:

- plaque inférieure et supérieure: en acier FE 35
- vis et rondelles: en acier A6S
- rails ou conduites: en acier FE 35

Toutes les pièces métalliques sont fabriquées en acier inox 316L. Sur demande en acier inox 304 - inox 316.

Suggerimenti per il montaggio

Montaggio con piastra a saldare

Posizionare la piastra inferiore nella posizione prescelta e bloccarla con un magnete o con un'appropriata attrezzatura. Saldare quindi la piastra. Inserire il semiguscio inferiore della staffa, posizionare il tubo, mettere il secondo semiguscio e serrare le viti. Non saldare la piastra inferiore con la staffa di plastica montata, le piastre inferiori allungate possono essere avvitate direttamente sul telaio della macchina. Attenzione agli interassi dei tubi (si sconsiglia il contatto fra due staffe).

Montaggio con binario

I binari sono forniti con lunghezza di 2 metri. Saldare o avvitare il binario sul telaio della macchina, inserire il dado scorrevole nel binario e girarlo leggermente in modo che non possa ruotare, inserire la parte inferiore della staffa, posizionare il tubo, mettere il secondo semiguscio e serrare le viti. Attenzione agli interassi dei tubi (si sconsiglia il contatto fra due staffe).

Montaggio raggruppato

Consiste nel montare due staffe una sopra l'altra usando due viti speciali. Con questo montaggio si possono raggruppare due o più staffe bloccando le viti speciali con un'appropriata piastrina di sicurezza.

Mounting details

Weld plate mounting

Weld lower plate in position. Press on lower clamp half, lay tube, put on top clamp half, insert screws and tighten. Don't weld with plastic clamps on them. Prolunged lower plate can be screwed directly to the surface. Ensure the clamp halves are not in contact with each other.

Rail mounting

Mounting rails are supplied in 2m lenghts. Weld or screw mounting rail in position. Insert nut into rail and turn to fix at correct spacing. Press on lower clamp half, lay tube, put on top clamp half, insert screw and tighten. Ensure the clamp halves are not in contact with each other.

Stacking

Consists of 2 clamp halves, stacking bolt(s) and a bolt locking plate. To construct a stack, fasten a weld plate or rail nut and locate 2 clamp halves and tube, securing with stacking bolt(s). Once tight, these bolts must be held with a locking plate. The next clamp can then be assembled and so on, until the stack is complete, the last clamp being secured with conventional bolt(s) and top plate. For each stack a mounting shape of your choice should be ordered, components from wich start and finish the stack. We reserve the right to make modifications in the interest of technical progress.

Distanza suggerita tra una staffa e l'altra dello stesso gruppo.
Recommend distance for installation of clamps of same group code.
Empfohlener Schellenabstand.
Distance conseillée entre les colliers.

Ø est. tubo - Ø tube Rohr-AD / Tube-OD in mm	Distanza fra le staffe in m Distances of clamps in meters Schellenabstand in m Distance entre les colliers en mètres
a 6 bis 12,7	0,9
a 15 bis 22	1,2
a 23 bis 28	1,5
a 30 bis 38,1	2
a 40 bis 48,3	2,5
a 50 bis 57	3
a 60 bis 70	3,4
a 76,1 bis 88,9	3,7
a 101,6 bis 108	4
a 114,3 bis 133	4,3
a 139,7 bis 165,1	5
a 168,3 bis 324	5,5

Posizionare le staffe prima e dopo una curva a 90° (a gomito)
When an elbow or bend be supported the clamps, should be positioned as close as possible on each side of the bend.
Rohrbögen direkt vor und hinter dem Bogen mit RSB-Schellen abfangen.
Monter les colliers avant et aprés une courbe à 90°.

Montagehinweise

Montage auf Anschweißplatten

Anschweißplatten auf einer mit der Belastung abgestimmten Unterlage anschweißen. Untere Schellenhälfte auf Anschweißplatte klemmen, Rohr einlegen, zweite Schellenhälfte aufsetzen und mit den Schrauben festziehen. Nicht mit aufgesetzter Kunststoff-Schelle schweißen! Verlängerte Anschweißplatten können mit der Unterlage verschraubt werden.

Auf Vorspannung achten (Schellenhälften dürfen sich nach der Montage nicht berühren)!

Montage auf Tragschienen

Tragschienen werden wahlweise in Stücken zu 2 m geliefert. Tragschiene anschweißen oder mit Befestigungswinkel anschrauben. Tragschienenmuttern in Schiene einführen und bis zum Anschlag drehen (auf richtigen Abstand achten). Untere Schellenhälfte aufklemmen, Rohr einlegen, zweite Schellenhälfte aufsetzen und mit den Schrauben festziehen. Auf Vorspannung acthen (Schellenhälften dürfen sich nach Montage nicht berühren)!

Aufbaumontage

Anschweißplatte oder Tragschiene anschweißen oder mit Befestigungswinkel anschrauben. Untere Schellenhälfte aufklemmen, Rohr einlegen, obere Schellenhälfte aufsetzen und mit Aufbauschrauben festziehen (Aufbauschraube steht über). Durch Auflegen eines Sicherungsbleches auf die obere Schellenhälfte wird ein Verdrehen der Aufbauschraube verhindert. Zweite Rohrschelle nun in gleicher Weise aufmontieren usw. Formund Maßanderungen, die der technischen Entwicklung dienen, vorbehalten.

Conseils pour le montage

Montage avec plaque à souder

Poser la plaque inférieure et fixer avec un aimant, ou bien avec un autre outillage. Souder la plaque; poser le collier inférieur, le tube, le deuxième demi-collier et serrer les vis. Ne pas souder la plaque inférieure après le montage du collier en plastique.

Les plaques inférieures allongées sont capables pour le montage direct sur le châssis de la machine. Il faut bien contrôler la distance entre les tubes (le contact entre les colliers est déconseillé).

Montage avec rail support

Les rails supports sont livrés en longueur 2 mètres. Souder ou bien visser le rail sur le châssis de la machine, insérer le contre écrou hexagonal dans le rail et le tourner, poser le collier inférieur, poser le tube, poser le deuxième demi-collier et serrer les vis. Il faut bien contrôler la distance entre les tubes (le contact entre les colliers est déconseillé).

Montage groupé

C'est le montage de deux colliers, un au-dessus de l'autre par deux vis spéciales. Par ce montage c'est possible de grouper, deux ou bien plusieurs colliers en bloquant les vis spéciales par une propre plaque de sécurité.

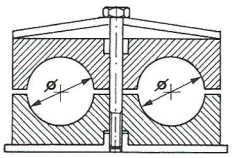
Max. momento torcente per il fissaggio delle viti. Staffe con piastra superiore.
Max. bolt tightening Torque in Nm, for clamps with upper plate.
Max. Schraubenanzugsmoment in Nm, montage mit Deckplatte.
Max. effort en Nm, montage avec plaque supérieure.

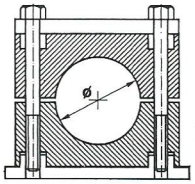
Serie – Series Baureihe – Série			n° tu/Werkstoff/Material/Matériel		
			Polypropylen	Polyamide	Aluminium
Standard		M 6	8	10	12
Doppia – Twin Doppel – Double	Gr. 1	M 6	5	6	-
	Gr. 2 ÷ 4	M 8	12	12	-
	Gr. 5		8	8	-
Pesante Heavy Schwere Lourde	Gr. 1	M 10	12	20	30
	Gr. 2		12	20	30
	Gr. 3		15	25	35
	Gr. 4	M 12	30	40	55
	Gr. 5	M 16	45	55	120
	Gr. 6	M 20	80	150	220
	Gr. 7	M 24	110	200	250
	Gr. 8	M 30	180	350	500
	Gr. 9	M 30	200	370	500

Programma di produzione
Production program

gruppo / group **0** gruppo / group **1÷6**







collari serie standard / standard clamps

gruppo - group	diametro tubo pipe diameter Ø mm	foro nominale nominal bore	Ø pollici inch. O.D.
0	6		
	8		5/16"
	10	G 1/8"	
	12		
1	6		
	6,4		1/4"
	8		5/16"
	9,5		3/8"
	10	G 1/8"	
	12		
2	12,7		1/2"
	13,5	G 1/4"	
	14		
	15		
	16		5/8"
	17,2	G 3/8"	
	18		
	19		3/4"
3	19		3/4"
	20		
	21,3	G 1/2"	
	22		7/8"
	25		
	25,4		1"
4	26,9	G 3/4"	
	28		
	30		
	32		1 1/4"
5	32		1 1/4"
	33,7	G 1"	
	35		
	38		1 1/2"
	40		
	42		
	42,4	G 1 1/4"	
	45		
6	44,5		1 3/4"
	48,3	G 1 1/2"	
	50,8		2"

collari doppi / double clamps

gruppo - group	diametro tubo pipe diameter Ø mm	foro nominale nominal bore	Ø pollici inch. O.D.
1	6		
	6,4		1/4"
	8		5/16"
	9,5		3/8"
	10	G 1/8"	
	12		
2	12,7		1/2"
	13,5	G 1/4"	
	14		
	15		
	16		5/8"
	17,2	G 3/8"	
	18		
3	19		3/4"
	20		
	21,3	G 1/2"	
	22		7/8"
	25		
	25,4		1"
4	26,9	G 3/4"	
	28		
	30		
5	32		1 1/4"
	33,7	G 1"	
	35		
	38		1 1/2"
	40		
	42		
	42,4	G 1 1/4"	

collari serie pesante / heavy duty clamps

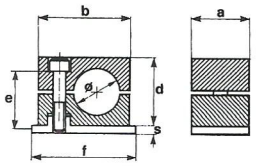
gruppo - group	diametro tubo pipe diameter Ø mm	foro nominale nominal bore	Ø pollici inch. O.D.
1	6		
	6,4		1/4"
	8		5/16"
	9,5		3/8"
	10	G 1/8"	
	12		
	12,7		1/2"
	13,5	G 1/4"	
	14		
	15		
	16		5/8"
	17,2	G 3/8"	
	18		
2	19		3/4"
	20		
	21,3	G 1/2"	
	22		7/8"
	25		
	25,4		1"
	26,9	G 3/4"	
	28		
	30		
3	30		
	32		1 1/4"
	33,7	G 1"	
	35		
	38		1 1/2"
	40		
	42		
	42,4	G 1 1/4"	
4	38		1 1/2"
	42		
	42,4	G 1 1/4"	
	44,5		1 3/4"
	48,3	G 1 1/2"	
	50		
	50,8		2"
	55		
	57		2 1/4"
	60,3	G 2"	
	63,5		2 1/2"
	65		
	70		2 3/4"

gruppo - group	diametro tubo pipe diameter Ø mm	foro nominale nominal bore	Ø pollici inch. O.D.
5	65		
	70		2 3/4"
	75		
	76,1	G 2 1/2"	3"
	80		
	82,5		3 1/4"
	88,9	G 3"	3 1/2"
6	88,9	G 3"	3 1/2"
	100		
	101,6	G 3 1/2"	4"
	108		4 1/4"
	114,3	G 4"	4 1/2"
	127	G 4 1/2"	5"
	133		5 1/2"
7	133		5 1/4"
	139,7	G 5"	5 1/2"
	152,4	G 5 1/2"	6"
	165		6 1/2"
	168,3	G 6"	
8	168,3	G 6"	
	177,8		7"
	193,7		7 5/8"
	216		8 1/2"
	219,1	G 8"	
9	219,1	G 8"	
	244,5		9 5/8"
	273	G 10"	
	323,9	G 12"	
10	355,6	G 14"	
	406,4	G 16"	

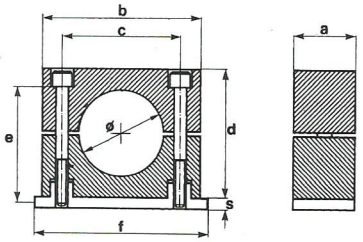
Collari serie standard in polipropilene, poliammide autoestinguente, gomma o alluminio

Standard clamps in polypropylene, self-extinguishing polyamide, rubber or aluminium

gruppo / group **0**

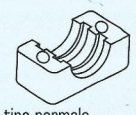


gruppo / group **1÷6**

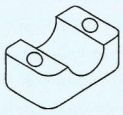


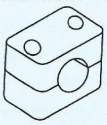
gruppo - group	diametro tubo pipe diameter			tipo di collare clamp type				dimensioni in mm dimension in mm							pezzi per confezione box quantity
	Ø mm	pollici / inches G	Ø O.D.	**A** polipropilene polypropylene	**MA** polyamide self-extinguishing	**RA** gomma rubber	**LA** alluminio aluminium	a	b	c	d	f	s	e	
0	6			A_0 06	MA_0 06	–	–	30	28	–	27	32	3	M6x20	50
	8		5/16"	A_0 08	MA_0 08	–	–								
	10	1/8"		A_0 10	MA_0 10	–	–								
	12			A_0 12	MA_0 12	–	–								
1	6			A_1 06	MA_1 06	RA_1 06	LA_1 06	30	34	20	27	42	3	M6x20	50
	6,4		1/4"	A_1 6,4	MA_1 6,4	RA_1 6,4	LA_1 6,4								
	8		5/16"	A_1 08	MA_1 08	RA_1 08	LA_1 08								
	9,5		3/8"	A_1 9,5	MA_1 9,5	RA_1 9,5	LA_1 9,5								
	10	1/8"		A_1 10	MA_1 10	RA_1 10	LA_1 10								
	12			A_1 12	MA_1 12	RA_1 12	LA_1 12								
2	12,7		1/2"	A_2 12,7	MA_2 12,7	RA_2 12,7	LA_2 12,7	30	40	26	33	48	3	M6x25	50
	13,5	1/4"		A_2 1/4"	MA_2 1/4"	RA_2 1/4"	LA_2 1/4"								
	14			A_2 14	MA_2 14	RA_2 14	LA_2 14								
	15			A_2 15	MA_2 15	RA_2 15	LA_2 15								
	16		5/8"	A_2 16	MA_2 16	RA_2 16	LA_2 16								
	17,2	3/8"		A_2 3/8"	MA_2 3/8"	RA_2 3/8"	LA_2 3/8"								
	18			A_2 18	MA_2 18	RA_2 18	LA_2 18								
	19		3/4"	A_2 19	MA_2 19	RA_2 19	LA_2 19								
3	19		3/4"	A_3 19	MA_3 19	RA_3 19	LA_3 19	30	48	33	35	55	3	M6x30	50
	20			A_3 20	MA_3 20	RA_3 20	LA_3 20								
	21,3	1/2"		A_3 1/2"	MA_3 1/2"	RA_3 1/2"	LA_3 1/2"								
	22		7/8"	A_3 22	MA_3 22	RA_3 22	LA_3 22								
	25			A_3 25	MA_3 25	RA_3 25	LA_3 25								
	25,4		1"	A_3 25,4	MA_3 25,4	RA_3 25,4	LA_3 25,4								
4	26,9	3/4"		A_4 3/4"	MA_4 3/4"	RA_4 3/4"	LA_4 3/4"	30	57	40	42	62	3	M6x35	25
	28			A_4 28	MA_4 28	RA_4 28	LA_4 28								
	30			A_4 30	MA_4 30	RA_4 30	LA_4 30								
	32		1 1/4"	A_4 32	MA_4 32	RA_4 32	LA_4 32								
5	32		1 1/4"	A_5 32	MA_5 32	RA_5 32	LA_5 32	30	68	52	58	74	3	M6x50	25
	33,7	1"		A_5 1"	MA_5 1"	RA_5 1"	LA_5 1"								
	35			A_5 35	MA_5 35	RA_5 35	LA_5 35								
	38		1 1/2"	A_5 38	MA_5 38	RA_5 38	LA_5 38								
	40			A_5 40	MA_5 40	RA_5 40	LA_5 40								
	42			A_5 42	MA_5 42	RA_5 42	LA_5 42								
	42,4	1 1/4"		A_5 1 1/4"	MA_5 1 1/4"	RA_5 1 1/4"	LA_5 1 1/4"								
	45			A_5 45	MA_5 45	RA_5 45	LA_5 45								
6	44,5		1 3/4"	A_6 44,5	MA_6 44,5	RA_6 44,5	LA_6 44,5	30	86	66	66	88	3	M6x60	25
	48,3	1 1/2"		A_6 1 1/2"	MA_6 1 1/2"	RA_6 1 1/2"	LA_6 1 1/2"								
	50,8		2"	A_6 50,8	MA_6 50,8	RA_6 50,8	LA_6 50,8								

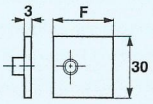
A... = polipropilene / polypropylene* MA... = polyamide / self-extinguishing RA... = gomma / rubber LA... = alluminio / aluminium
...H = interno liscio / smooth inside (per ordine di collari tipo H, aggiungere H dopo il codice / to order clamps type H, please put the H at the end of the code)


tipo normale
interno sagomato
normal model
profiled inside

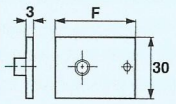

tipo normale
interno sagomato
normal model
profiled inside


tipo H
interno liscio
H model
smooth inside

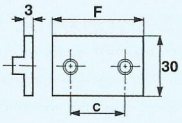

tipo H
interno liscio
H model
smooth inside



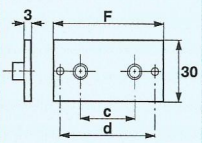
gruppo *group* **0**



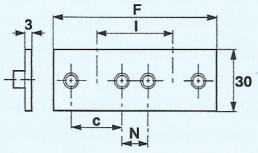
gruppo *group* **0**

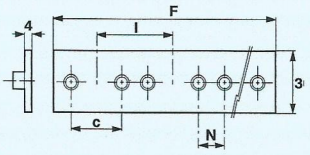


gruppo *group* **1÷6**



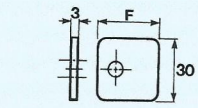
gruppo *group* **1÷6**



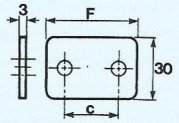


semi-collare clamp-half	coppia collari clamp body (2 halves)	piastra inferiore lower plate		piastra inferiore allungata prolonged lower plate			piastra inferiore doppia double lower plate					piastra inferiore multipla multiple lower plate				
A.....S	**A.....C**	**APIN** F mm	c mm	**APIA** F mm	c mm	d mm	**APID** F mm	c mm	N mm	l mm	n° collari clamps	**APIM** F mm	c mm	N mm	l mm	n° collari clamps
A0 06 S	A0 06 C	**APIN0**		**APIA0**			**APID0**					**APIM0**				
A0 08 S	A0 08 C															
A0 10 S	A0 10 C	32	–	46	–	–	61	–	–	30	2	306	–	–	30	10
A0 12 S	A0 12 C															
A1 06 S	A1 06 C	**APIN1**		**APIA1**			**APID1**					**APIM1**				
A1 6,4 S	A1 6,4 C															
A1 08 S	A1 08 C															
A1 9,5 S	A1 9,5 C	42	20	64	20	51	81	20	20	40	2	404	20	20	40	10
A1 10 S	A1 10 C															
A1 12 S	A1 12 C															
A2 12,7 S	A2 12,7	**APIN2**		**APIA2**			**APID2**					**APIM2**				
A2 1/4" S	A2 1/4" C															
A2 14 S	A2 14 C															
A2 15 S	A2 15 C															
A2 16 S	A2 16 C	48	26	70	26	56	91	26	18	44	2	447	26	18	44	10
A2 3/8" S	A2 3/8" C															
A2 18 S	A2 18 C															
A2 19 S	A2 19 C															
A3 19 S	A3 19 C	**APIN3**		**APIA3**			**APID3**					**APIM3**				
A3 20 S	A3 20 C															
A3 1/2" S	A3 1/2" C															
A3 22 S	A3 22 C	55	33	78	33	64	106	33	19	52	2	525	33	19	52	10
A3 25 S	A3 25 C															
A3 25,4 S	A3 25,4 C															
A4 3/4" S	A4 3/4" C	**APIN4**		**APIA4**			**APID4**					**APIM4**				
A4 28 S	A4 28 C															
A4 30 S	A4 30 C	62	40	86	40	71	121	40	20	60	2	303	40	20	60	5
A4 32 S	A4 32 C															
A5 32 S	A5 32 C	**APIN5**		**APIA5**			**APID5**					**APIM5**				
A5 1" S	A5 1" C															
A5 35 S	A5 35 C															
A5 38 S	A5 38 C															
A5 40 S	A5 40 C	74	52	97	52	83	148	52	23	75	2	375	52	23	75	5
A5 42 S	A5 42 C															
A5 1 1/4" S	A5 1 1/4" C															
A5 45 S	A5 45 C															
A6 44,5 S	A6 44,5 C	**APIN6**		**APIA6**			**APID6**					**APIM6**				
A6 1 1/2" S	A6 1 1/2" C	88	66	112	66	100	177	66	24	90	2	447	66	24	90	5
A6 50,8 S	A6 50,8 C															

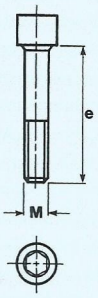
* La produzione standard è di colore verde, colore nero su richiesta.
Standard production in green, black color on request.

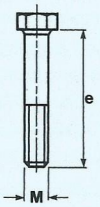


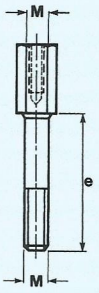
gruppo *group* **0**

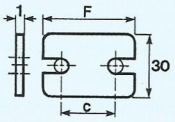


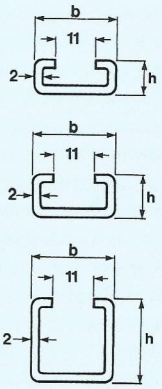
gruppo *group* **1÷6**

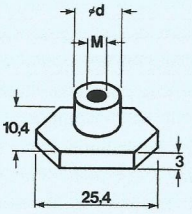












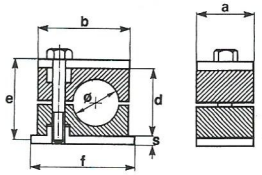
piastra superiore upper plate		vite a testa tonda esagono interno T.C.E.I. screws		vite a testa esagonale hexagonal head screw		vite a testa esag. allungata high hexeg. head screw		piastra superiore di sicurezza security upper plate		binari portanti spessore 2 mm rail		dado esagonale fissaggio binari hexagonal nut	
APS		**AVTC**		**AVTE**		**AVTEA**		**APMRS**		**ABINS**		**ADES**	
F mm	c mm	M	e mm	M	e mm	M	e mm		c mm	B mm	H mm	M	
APS₀		**AVTC₀**		**AVTE₀**		**AVTEA₀**		**APMRS₀**					
28	–	M6	20	M6	30	M6	20	28	–				
APS₁		**AVTC₁**		**AVTE₁**		**AVTEA₁**		**APMRS₁**					
37	20	M6	20	M6	30	M6	20	34	20				
APS₂		**AVTC₂**		**AVTE₂**		**AVTEA₂**		**APMRS₂**		**ABINS-1**			
43	26	M6	25	M6	35	M6	25	41	26	28	11		
APS₃		**AVTC₃**		**AVTE₃**		**AVTEA₃**		**APMRS₃**		**ABINS-2**		**ADES**	
50	33	M6	30	M6	40	M6	30	47	33	28	14	M6	12
APS₄		**AVTC₄**		**AVTE₄**		**AVTEA₄**		**APMRS₄**		**ABINS-3**			
57	40	M6	35	M6	45	M6	35	57	40	28	30		
APS₅		**AVTC₅**		**AVTE₅**		**AVTEA₅**		**APMRS₅**					
69	52	M6	50	M6	60	M6	50	67	52				
APS₆		**AVTC₆**		**AVTE₆**		**AVTEA₆**		**APMRS₆**					
83	66	M6	60	M6	70	M6	60	82	66				

* Altre piastre speciali sono a pag. 20
Other special plate are at page 20

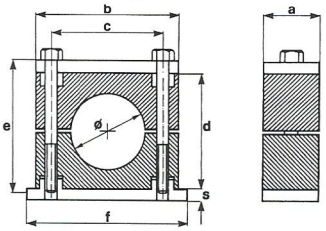
Collari serie standard con piastra superiore in polipropilene, poliammide autoestinguente, gomma o alluminio

Standard clamps with upper plate in polypropylene, self-extinguishing polyamide, rubber or aluminium

gruppo / group **0**



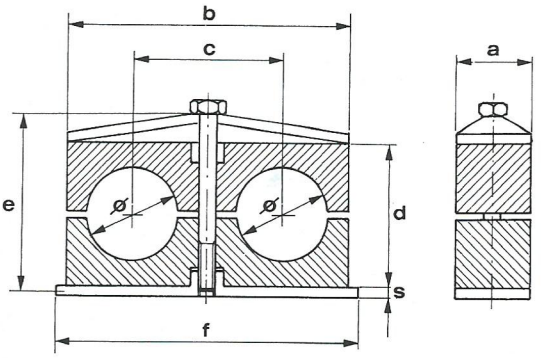
gruppo / group **1÷6**



gruppo - group	diametro tubo pipe diameter			tipo di collare clamp type				dimensioni in mm dimension in mm							pezzi per confezione box quantity
	Ø mm	pollici / inches G	pollici / inches Ø O.D.	**A** polipropilene polypropylene	**MA** polyamide self-extinguishing	**RA** gomma rubber	**LA** alluminio aluminium	a	b	c	d	f	s	e	
0	6			A_0 06 +APS	MA_0 06 +APS	–	–	30	28	–	27	32	3	M6x30	50
	8		5/16"	A_0 08 +APS	MA_0 08 +APS	–	–								
	10	1/8"		A_0 10 +APS	MA_0 10 +APS	–	–								
	12			A_0 12 +APS	MA_0 12 +APS	–	–								
1	6			A_1 06 +APS	MA_1 06 +APS	RA_1 06 +APS	LA_1 06 +APS	30	34	20	27	42	3	M6x30	50
	6,4		1/4"	A_1 6,4 +APS	MA_1 6,4 +APS	RA_1 6,4 +APS	LA_1 6,4 +APS								
	8		5/16"	A_1 08 +APS	MA_1 08 +APS	RA_1 08 +APS	LA_1 08 +APS								
	9,5		3/8"	A_1 9,5 +APS	MA_1 9,5 +APS	RA_1 9,5 +APS	LA_1 9,5 +APS								
	10	1/8"		A_1 10 +APS	MA_1 10 +APS	RA_1 10 +APS	LA_1 10 +APS								
	12			A_1 12 +APS	MA_1 12 +APS	RA_1 12 +APS	LA_1 12 +APS								
2	12,7		1/2"	A_2 12,7+APS	MA_2 12,7+APS	RA_2 12,7+APS	LA_2 12,7+APS	30	40	26	33	48	3	M6x35	50
	13,5	1/4"		A_2 1/4"+APS	MA_2 1/4"+APS	RA_2 1/4"+APS	LA_2 1/4"+APS								
	14			A_2 14+APS	MA_2 14+APS	RA_2 14+APS	LA_2 14+APS								
	15			A_2 15+APS	MA_2 15+APS	RA_2 15+APS	LA_2 15+APS								
	16		5/8"	A_2 16+APS	MA_2 16+APS	RA_2 16+APS	LA_2 16+APS								
	17,2	3/8"		A_2 3/8"+APS	MA_2 3/8"+APS	RA_2 3/8"+APS	LA_2 3/8"+APS								
	18			A_2 18+APS	MA_2 18+APS	RA_2 18+APS	LA_2 18+APS								
	19		3/4"	A_2 19+APS	MA_2 19+APS	RA_2 19+APS	LA_2 19+APS								
3	19		3/4"	A_3 19+APS	MA_3 19+APS	RA_3 19+APS	LA_3 19+APS	30	48	33	35	55	3	M6x40	50
	20			A_3 20+APS	MA_3 20+APS	RA_3 20+APS	LA_3 20+APS								
	21,3	1/2"		A_3 1/2"+APS	MA_3 1/2"+APS	RA_3 1/2"+APS	LA_3 1/2"+APS								
	22		7/8"	A_3 22+APS	MA_3 22+APS	RA_3 22+APS	LA_3 22+APS								
	25			A_3 25+APS	MA_3 25+APS	RA_3 25+APS	LA_3 25+APS								
	25,4		1"	A_3 25,4+APS	MA_3 25,4+APS	RA_3 25,4+APS	LA_3 25,4+APS								
4	26,9	3/4"		A_4 3/4"+APS	MA_4 3/4"+APS	RA_4 3/4"+APS	LA_4 3/4"+APS	30	57	40	42	62	3	M6x45	25
	28			A_4 28+APS	MA_4 28+APS	RA_4 28+APS	LA_4 28+APS								
	30			A_4 30+APS	MA_4 30+APS	RA_4 30+APS	LA_4 30+APS								
	32		1 1/4"	A_4 32+APS	MA_4 32+APS	RA_4 32+APS	LA_4 32+APS								
5	32		1 1/4"	A_5 32+APS	MA_5 32+APS	RA_5 32+APS	LA_5 32+APS	30	68	52	58	74	3	M6x60	25
	33,7	1"		A_5 1"+APS	MA_5 1"+APS	RA_5 1"+APS	LA_5 1"+APS								
	35			A_5 35+APS	MA_5 35+APS	RA_5 35+APS	LA_5 35+APS								
	38		1 1/2"	A_5 38+APS	MA_5 38+APS	RA_5 38+APS	LA_5 38+APS								
	40			A_5 40+APS	MA_5 40+APS	RA_5 40+APS	LA_5 40+APS								
	42			A_5 42+APS	MA_5 42+APS	RA_5 42+APS	LA_5 42+APS								
	42,4	1 1/4"		A_5 1 1/4"+APS	MA_5 1 1/4"+APS	RA_5 1 1/4"+APS	LA_5 1 1/4"+APS								
	45			A_5 45+APS	MA_5 45+APS	RA_5 45+APS	LA_5 45+APS								
6	44,5		1 3/4"	A_6 44,5+APS	MA_6 44,5+APS	RA_6 44,5+APS	LA_6 44,5+APS	30	86	66	66	88	3	M6x70	25
	48,3	1 1/2"		A_6 1 1/2"+APS	MA_6 1 1/2"+APS	RA_6 1 1/2"+APS	LA_6 1 1/2"+APS								
	50,8		2"	A_6 50,8+APS	MA_6 50,8+APS	RA_6 50,8+APS	LA_6 50,8+APS								

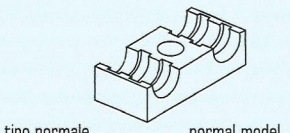
Collari doppi in polipropilene, poliammide autoestinguente o gomma

Double clamps in polypropylene, self-extinguishing polyamide or rubber

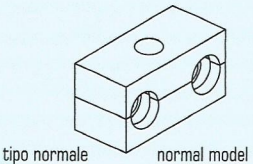


gruppo - group	diametro tubo pipe diameter			tipo di collare clamp type			dimensioni in mm dimension in mm							pezzi per confezione box quantity
	Ø mm	pollici / inches G	pollici / inches Ø O.D.	**AD** polipropilene polypropylene	**MD** polyamide self-extinguishing	**RD** gomma rubber	a	b	c	d	f	s	e	
1	6-6			AD_1 06-06	MD_1 06-06	RD_1 06-06	30	37	20	25	37	3	M6x35	50
	6,4-6,4		1/4 - 1/4"	AD_1 6,4-6,4	MD_1 6,4-6,4	RD_1 6,4-6,4								
	8-8		5/16 - 5/16"	AD_1 08-08	MD_1 08-08	RD_1 08-08								
	9,5-9,5		3/8 - 3/8"	AD_1 9,5-9,5	MD_1 9,5-9,5	RD_1 9,5-9,5								
	10-10	1/8 - 1/8"		AD_1 10-10	MD_1 10-10	RD_1 10-10								
	12-12			AD_1 12-12	MD_1 12-12	RD_1 12-12								
2	12,7		1/2 - 1/2"	AD_2 12,7-12,7	MD_2 12,7-12,7	RD_2 12,7-12,7	30	53	29	26	55	5	M6x35	50
	13,5	1/4 - 1/4"		AD_2 1/4 - 1/4"	MD_2 1/4 - 1/4"	RD_2 1/4 - 1/4"								
	14-14			AD_2 14-14	MD_2 14-14	RD_2 14-14								
	15-15			AD_2 15-15	MD_2 15-15	RD_2 15-15								
	16-16		5/8 - 5/8"	AD_2 16-16	MD_2 16-16	RD_2 16-16								
	17,2-17,2	3/8 - 3/8"		AD_2 3/8 - 3/8"	MD_2 3/8 - 3/8"	RD_2 3/8 - 3/8"								
	18-18			AD_2 18-18	MD_2 18-18	RD_2 18-18								
3	19-19		3/4 - 3/4"	AD_3 19-19	MD_3 19-19	RD_3 19-19	30	67	36	37	70	5	M6x45	50
	20-20			AD_3 20-20	MD_3 20-20	RD_3 20-20								
	21,3-21,3	1/2 - 1/2"		AD_3 1/2 - 1/2"	MD_3 1/2 - 1/2"	RD_3 1/2 - 1/2"								
	22-22		7/8 - 7/8"	AD_3 22-22	MD_3 22-22	RD_3 22-22								
	25-25			AD_3 25-25	MD_3 25-25	RD_3 25-25								
	25,4-25,4		1 - 1"	AD_3 25,4-25,4	MD_3 25,4-25,4	RD_3 25,4-25,4								
4	26,9	3/4 - 3/4"		AD_4 3/4 - 3/4"	MD_4 3/4 - 3/4"	RD_4 3/4 - 3/4"	30	82	45	42	85	5	M6x50	50
	28-28			AD_4 28-28	MD_4 28-28	RD_4 28-28								
	30-30			AD_4 30-30	MD_4 30-30	RD_4 30-30								
5	32-32		1 1/4 -1 1/4"	AD_5 32-32	MD_5 32-32	RD_5 32-32	30	106	56	54	110	5	M6x60	25
	33,7-33,7	1 - 1"		AD_5 1 - 1"	MD_5 1 - 1"	RD_5 1 - 1"								
	35-35			AD_5 35-35	MD_5 35-35	RD_5 35-35								
	38-38		1 1/2 -1 1/2"	AD_5 38-38	MD_5 38-38	RD_5 38-38								
	40-40			AD_5 40-40	MD_5 40-40	RD_5 40-40								
	42-42			AD_5 42-42	MD_5 42-42	RD_5 42-42								
	42,4-42,4	1 1/4 -1 1/4"		AD_5 1 1/4 -1 1/4"	MD_5 1 1/4 -1 1/4"	RD_5 1 1/4 -1 1/4"								

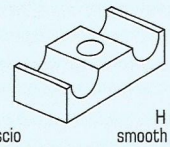
AD*... = polipropilene / polypropylene MD... = polyamide / self-extinguishing RD... = gomma / rubber
...H = interno liscio / smooth inside (per ordine di collari tipo H, aggiungere H dopo il codice / to order clamps type H, please put the H at the end of the code)



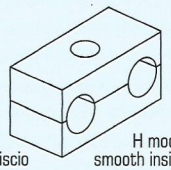
tipo normale interno sagomato — normal model profiled inside



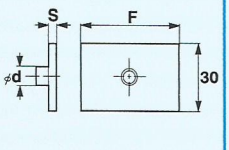
tipo normale interno sagomato — normal model profiled inside

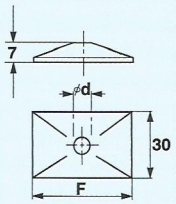


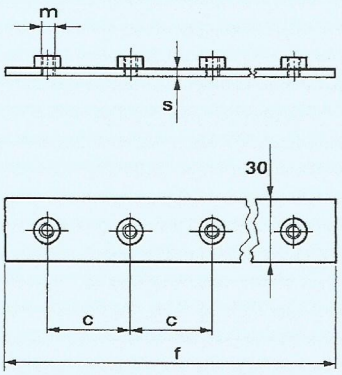
tipo H interno liscio — H model smooth inside



tipo H interno liscio — H model smooth inside

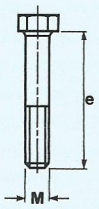


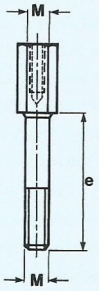


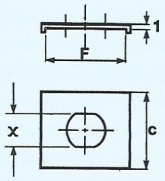


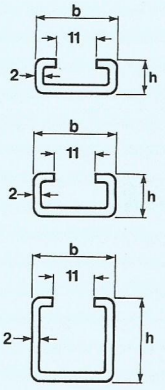
semi-collare clamp-half	coppia collari clamp body (2 halves)	piastra inferiore lower plate			piastra superiore upper plate		piastra inferiore multipla multiple lower plate				
AD ... S	**AD ... C**	**ADPIN** F mm	Ø d mm	S	**ADPS** F mm	Ø d mm	f mm	c mm	s mm	m	n° collari clamps
		ADPIN$_1$			**ADPS$_1$**		**ADPIM$_1$**				
AD$_1$ 06-06 S	AD$_1$ 06-06 C										
AD$_1$ 6,4-6,4 S	AD$_1$ 6,4-6,4 C										
AD$_1$ 08-08 S	AD$_1$ 08-08 C										
AD$_1$ 9,5-9,5 S	AD$_1$ 9,5-9,5 C	30	12	3	35	7	200	40	3	M6	5
AD$_1$ 10-10 S	AD$_1$ 10-10 C										
AD$_1$ 12-12 S	AD$_1$ 12-12 C										
		ADPIN$_2$			**ADPS$_2$**		**ADPIM$_2$**				
AD$_2$ 12,7-12,7 S	AD$_2$ 12,7-12,7 C										
AD$_2$ 1/4 - 1/4" S	AD$_2$ 1/4 - 1/4" C										
AD$_2$ 14-14 S	AD$_2$ 14-14 C										
AD$_2$ 15-15 S	AD$_2$ 15-15 C	55	14	5	52	9	290	58	5	M8	5
AD$_2$ 16-16 S	AD$_2$ 16-16 C										
AD$_2$ 3/8 - 3/8" S	AD$_2$ 3/8 - 3/8" C										
AD$_2$ 18-18 S	AD$_2$ 18-18 C										
		ADPIN$_3$			**ADPS$_3$**		**ADPIM$_3$**				
AD$_3$ 19-19 S	AD$_3$ 19-19 C										
AD$_3$ 20-20 S	AD$_3$ 20-20 C										
AD$_3$ 1/2 - 1/2" S	AD$_3$ 1/2 - 1/2" C										
AD$_3$ 22-22 S	AD$_3$ 22-22 C	70	14	5	66	9	360	72	5	M8	5
AD$_3$ 25-25 S	AD$_3$ 25-25 C										
AD$_3$ 25,4-25,4 S	AD$_3$ 25,4-25,4 C										
		ADPIN$_4$			**ADPS$_4$**		**ADPIM$_4$**				
AD$_4$ 3/4 - 3/4" S	AD$_4$ 3/4 - 3/4" C										
AD$_4$ 28-28 S	AD$_4$ 28-28 C	85	14	5	81	9	450	90	5	M8	5
AD$_4$ 30-30 S	AD$_4$ 30-30 C										
		ADPIN$_5$			**ADPS$_5$**		**ADPIM$_5$**				
AD$_5$ 32-32 S	AD$_5$ 32-32 C										
AD$_5$ 1 - 1" S	AD$_5$ 1 - 1" C										
AD$_5$ 35-35 S	AD$_5$ 35-35 C										
AD$_5$ 38-38 S	AD$_5$ 38-38 C	110	14	5	105	9	560	112	5	M8	5
AD$_5$ 40-40 S	AD$_5$ 40-40 C										
AD$_5$ 42-42 S	AD$_5$ 42-42 C										
AD$_5$ 1 1/4 - 1 1/4" S	AD$_5$ 1 1/4 - 1 1/4" C										

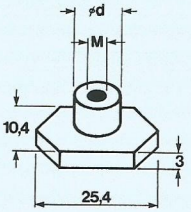
* La produzione standard è di colore verde, colore nero su richiesta.
Standard production in green, black color on request.







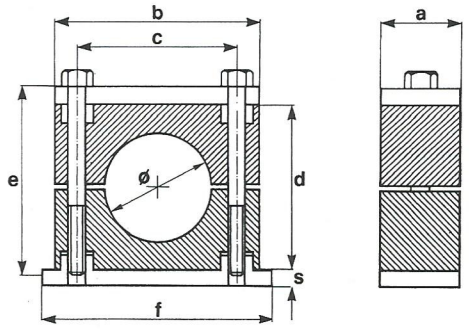




vite a testa esagonale high hexagonal head screw		vite a testa esagonale allungata high hexagonal head screw		piastra superiore di sicurezza security upper plate			binari portanti spessore 2 mm rail		dado esagonale fissaggio binari hexagonal nut	
ADVTE		**ADVTEA**		**APMRSD**			**ABINS**		**ADES**	
M	e mm	M	e mm	F mm	c mm	X mm	b mm	h mm	M	Ø d mm
$ADVTE_1$		**$ADVTEA_1$**		**$APMRSD_1$**					**ADES**	
M6	35	M6	20	30	30	11			M6	12
$ADVTE_2$		**$ADVTEA_2$**		**$APMRSD_{2-5}$**			**ABINS-1**			
M8	35	M8	20	30	30	13	28	11		
$ADVTE_3$		**$ADVTEA_3$**		**$APMRSD_{2-5}$**			**ABINS-2**		**ADESD**	
M8	45	M8	29	30	30	13	28	14	M8	14
$ADVTE_4$		**$ADVTEA_4$**		**$APMRSD_{2-5}$**			**ABINS-3**			
M8	50	M8	34	30	30	13	28	30		
$ADVTE_5$		**$ADVTEA_5$**		**$APMRSD_{2-5}$**						
M8	60	M8	47	30	30	13				

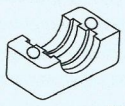
Collari serie pesante in polipropilene, poliammide autoestinguente, alluminio o gomma

Heavy duty clamps in polypropylene, self-extinguishing polyamide, aluminium or rubber



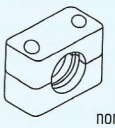
gruppo - group	diametro tubo pipe diameter			tipo di collare clamp type				dimensioni in mm dimension in mm						
	Ø mm	pollici / inches G	pollici / inches Ø O.D.	**AMP.P** polipropilene polypropylene	**MMP.P** polyamide self-extinguishing	**RMP.P** gomma rubber	**AMLL.P** alluminio aluminium	a	b	c	d	f	s	e
1	6			AMP.P$_1$ 06	MMP.P$_1$ 06	RMP.P$_1$ 06	AMLL.P$_1$ 06	30	55	33	32	73	8	M6x35
	6,4		1/4"	AMP.P$_1$ 6,4	MMP.P$_1$ 6,4	RMP.P$_1$ 6,4	AMLL.P$_1$ 6,4							
	8		5/16"	AMP.P$_1$ 08	MMP.P$_1$ 08	RMP.P$_1$ 08	AMLL.P$_1$ 08							
	9,5		3/8"	AMP.P$_1$ 9,5	MMP.P$_1$ 9,5	RMP.P$_1$ 9,5	AMLL.P$_1$ 9,5							
	10	1/8"		AMP.P$_1$ 10	MMP.P$_1$ 10	RMP.P$_1$ 10	AMLL.P$_1$ 10							
	12			AMP.P$_1$ 12	MMP.P$_1$ 12	RMP.P$_1$ 12	AMLL.P$_1$ 12							
	12,7		1/2"	AMP.P$_1$ 12,7	MMP.P$_1$ 12,7	RMP.P$_1$ 12,7	AMLL.P$_1$ 12,7							
	13,5	1/4"		AMP.P$_1$ 1/4"	MMP.P$_1$ 1/4"	RMP.P$_1$ 1/4"	AMLL.P$_1$ 1/4"							
	14			AMP.P$_1$ 14	MMP.P$_1$ 14	RMP.P$_1$ 14	AMLL.P$_1$ 14							
	15			AMP.P$_1$ 15	MMP.P$_1$ 15	RMP.P$_1$ 15	AMLL.P$_1$ 15							
	16		5/8"	AMP.P$_1$ 16	MMP.P$_1$ 16	RMP.P$_1$ 16	AMLL.P$_1$ 16							
	17,2	3/8"		AMP.P$_1$ 3/8"	MMP.P$_1$ 3/8"	RMP.P$_1$ 3/8"	AMLL.P$_1$ 3/8"							
	18			AMP.P$_1$ 18	MMP.P$_1$ 18	RMP.P$_1$ 18	AMLL.P$_1$ 18							
2	19		3/4"	AMP.P$_2$ 19	MMP.P$_2$ 19	RMP.P$_2$ 19	AMLL.P$_2$ 19	30	70	45	48	85	8	M6x35
	20			AMP.P$_2$ 20	MMP.P$_2$ 20	RMP.P$_2$ 20	AMLL.P$_2$ 20							
	21,3	1/2"		AMP.P$_2$ 1/2"	MMP.P$_2$ 1/2"	RMP.P$_2$ 1/2"	AMLL.P$_2$ 1/2"							
	22		7/8"	AMP.P$_2$ 22	MMP.P$_2$ 22	RMP.P$_2$ 22	AMLL.P$_2$ 22							
	25			AMP.P$_2$ 25	MMP.P$_2$ 25	RMP.P$_2$ 25	AMLL.P$_2$ 25							
	25,4		1"	AMP.P$_2$ 25,4	MMP.P$_2$ 25,4	RMP.P$_2$ 25,4	AMLL.P$_2$ 25,4							
	26,9	3/4"		AMP.P$_2$ 3/4"	MMP.P$_2$ 3/4"	RMP.P$_2$ 3/4"	AMLL.P$_2$ 3/4"							
	28			AMP.P$_2$ 28	MMP.P$_2$ 28	RMP.P$_2$ 28	AMLL.P$_2$ 28							
	30			AMP.P$_2$ 30	MMP.P$_2$ 30	RMP.P$_2$ 30	AMLL.P$_2$ 30							
3	30			AMP.P$_3$ 30	MMP.P$_3$ 30	RMP.P$_3$ 30	AMLL.P$_3$ 30	30	85	60	60	10	8	M6x45
	32		1 1/4"	AMP.P$_3$ 32	MMP.P$_3$ 32	RMP.P$_3$ 32	AMLL.P$_3$ 32							
	33,7	1"		AMP.P$_3$ 1"	MMP.P$_3$ 1"	RMP.P$_3$ 1"	AMLL.P$_3$ 1"							
	35			AMP.P$_3$ 35	MMP.P$_3$ 35	RMP.P$_3$ 35	AMLL.P$_3$ 35							
	38		1 1/2"	AMP.P$_3$ 38	MMP.P$_3$ 38	RMP.P$_3$ 38	AMLL.P$_3$ 38							
	40			AMP.P$_3$ 40	MMP.P$_3$ 40	RMP.P$_3$ 40	AMLL.P$_3$ 40							
	42			AMP.P$_3$ 42	MMP.P$_3$ 42	RMP.P$_3$ 42	AMLL.P$_3$ 42							
	42,4	1 1/4"		AMP.P$_3$ 1 1/4"	MMP.P$_3$ 1 1/4"	RMP.P$_3$ 1 1/4"	AMLL.P$_3$ 1 1/4"							
4	38		1 1/2"	AMP.P$_4$ 38	MMP.P$_4$ 38	RMP.P$_4$ 38	AMLL.P$_4$ 38	45	120	90	90	140	10	M12x100
	42			AMP.P$_4$ 42	MMP.P$_4$ 42	RMP.P$_4$ 42	AMLL.P$_4$ 42							
	42,4	1 1/4"		AMP.P$_4$ 1 1/4"	MMP.P$_4$ 1 1/4"	RMP.P$_4$ 1 1/4"	AMLL.P$_4$ 1 1/4"							
	44,5		1 3/4"	AMP.P$_4$ 44,5	MMP.P$_4$ 44,5	RMP.P$_4$ 44,5	AMLL.P$_4$ 44,5							
	48,3	1 1/2"		AMP.P$_4$ 1 1/2"	MMP.P$_4$ 1 1/2"	RMP.P$_4$ 1 1/2"	AMLL.P$_4$ 1 1/2"							
	50			AMP.P$_4$ 50	MMP.P$_4$ 50	RMP.P$_4$ 50	AMLL.P$_4$ 50							
	50,8		2"	AMP.P$_4$ 50,8	MMP.P$_4$ 50,8	RMP.P$_4$ 50,8	AMLL.P$_4$ 50,8							
	55			AMP.P$_4$ 55	MMP.P$_4$ 55	RMP.P$_4$ 55	AMLL.P$_4$ 55							
	57		2 1/4"	AMP.P$_4$ 57	MMP.P$_4$ 57	RMP.P$_4$ 57	AMLL.P$_4$ 57							
	60,3	2"		AMP.P$_4$ 2"	MMP.P$_4$ 2"	RMP.P$_4$ 2"	AMLL.P$_4$ 2"							
	63,5		2 1/2"	AMP.P$_4$ 63,5	MMP.P$_4$ 63,5	RMP.P$_4$ 63,5	AMLL.P$_4$ 63,5							
	65			AMP.P$_4$ 65	MMP.P$_4$ 65	RMP.P$_4$ 65	AMLL.P$_4$ 65							
	70		2 3/4"	AMP.P$_4$ 70	MMP.P$_4$ 70	RMP.P$_4$ 70	AMLL.P$_4$ 70							

AMP.P*... = polipropilene / polypropylene MMP.P... = poliammide / self-extinguishing RMP.P... = gomma / rubber AMLL.P... = alluminio / aluminium
...H = interno liscio / smooth inside (per ordine di collari tipo H, aggiungere H dopo il codice / to order clamps type H, please put the H at the end of the code)



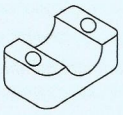
tipo normale
interno sagomato

normal model
profiled inside



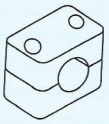
tipo normale
interno sagomato

normal model
profiled inside



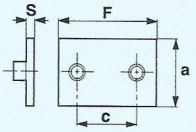
tipo H
interno liscio

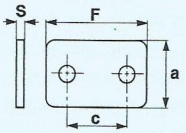
H model
smooth inside



tipo H
interno liscio

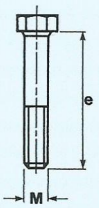
H model
smooth inside

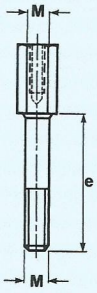


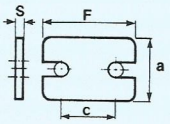


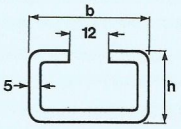
semi-collare clamp-half	coppia collari clamp body (2 halves)	piastra inferiore lower plate				piastra superiore upper plate			
AMP.P ... S	**AMP.P ... C**	**APINP**				**APSP**			
		a mm	F mm	c mm	S mm	a mm	F mm	c mm	S mm
AMP.P$_1$ 06 S	AMP.P$_1$ 06 C		**APINP$_1$**				**APSP$_1$**		
AMP.P$_1$ 6,4 S	AMP.P$_1$ 6,4 C								
AMP.P$_1$ 08 S	AMP.P$_1$ 08 C								
AMP.P$_1$ 9,5 S	AMP.P$_1$ 9,5 C								
AMP.P$_1$ 10 S	AMP.P$_1$ 10 C								
AMP.P$_1$ 12 S	AMP.P$_1$ 12 C								
AMP.P$_1$ 12,7 S	AMP.P$_1$ 12,7 C								
AMP.P$_1$ 1/4" S	AMP.P$_1$ 1/4" C	30	75	33	8	30	55	33	8
AMP.P$_1$ 14 S	AMP.P$_1$ 14 C								
AMP.P$_1$ 15 S	AMP.P$_1$ 15 C								
AMP.P$_1$ 16 S	AMP.P$_1$ 16 C								
AMP.P$_1$ 3/8" S	AMP.P$_1$ 3/8" C								
AMP.P$_1$ 18 S	AMP.P$_1$ 18 C								
AMP.P$_2$ 19 S	AMP.P$_2$ 19 C		**APINP$_2$**				**APSP$_2$**		
AMP.P$_2$ 20 S	AMP.P$_2$ 20 C								
AMP.P$_2$ 1/2" S	AMP.P$_2$ 1/2" C								
AMP.P$_2$ 22 S	AMP.P$_2$ 22 C								
AMP.P$_2$ 25 S	AMP.P$_2$ 25 C								
AMP.P$_2$ 25,4 S	AMP.P$_2$ 25,4 C	30	87	45	8	30	70	45	8
AMP.P$_2$ 3/4" S	AMP.P$_2$ 3/4" C								
AMP.P$_2$ 28 S	AMP.P$_2$ 28 C								
AMP.P$_2$ 30 S	AMP.P$_2$ 30 C								
AMP.P$_3$ 30 S	AMP.P$_3$ 30 C		**APINP$_3$**				**APSP$_3$**		
AMP.P$_3$ 32 S	AMP.P$_3$ 32 C								
AMP.P$_3$ 1" S	AMP.P$_3$ 1" C								
AMP.P$_3$ 35 S	AMP.P$_3$ 35 C								
AMP.P$_3$ 38 S	AMP.P$_3$ 38 C	30	102	60	8	30	85	60	8
AMP.P$_3$ 40 S	AMP.P$_3$ 40 C								
AMP.P$_3$ 42 S	AMP.P$_3$ 42 C								
AMP.P$_3$ 1 1/4" S	AMP.P$_3$ 1 1/4" C								
AMP.P$_4$ 38 S	AMP.P$_4$ 38 C		**APINP$_4$**				**APSP$_4$**		
AMP.P$_4$ 42 S	AMP.P$_4$ 42 C								
AMP.P$_4$ 1 1/4" S	AMP.P$_4$ 1 1/4" C								
AMP.P$_4$ 44,5 S	AMP.P$_4$ 44,5 C								
AMP.P$_4$ 1 1/2" S	AMP.P$_4$ 1 1/2" C								
AMP.P$_4$ 50 S	AMP.P$_4$ 50 C								
AMP.P$_4$ 50,8 S	AMP.P$_4$ 50,8 C								
AMP.P$_4$ 55 S	AMP.P$_4$ 55 C	45	140	90	10	45	120	90	10
AMP.P$_4$ 57 S	AMP.P$_4$ 57 C								
AMP.P$_4$ 2" S	AMP.P$_4$ 2" C								
AMP.P$_4$ 63,5 S	AMP.P$_4$ 63,5 C								
AMP.P$_4$ 65 S	AMP.P$_4$ 65 C								
AMP.P$_4$ 70 S	AMP.P$_4$ 70 C								

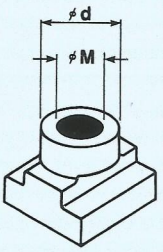
* La produzione standard è di colore verde, colore nero su richiesta.
Standard production in green, black color on request.









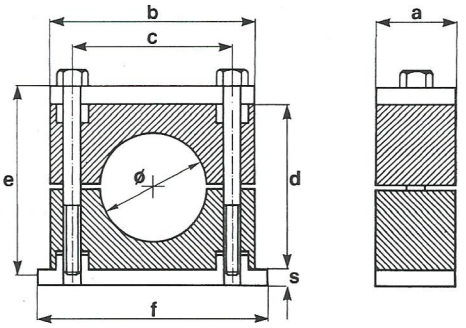


vite a testa esagonale hexagonal head screw		vite a testa esagonale allungata high hexagonal head screw		piastra superiore di sicurezza security upper plate				binari portanti spessore 5 mm rail		dado fissaggio binari rail nut	
AVTEP		**AVTEAP**		**APMRSP**				**ABINP**		**ADESP**	
M	e mm	M	e mm	a mm	F mm	c mm	S mm	b mm	h mm	M	Ø d mm
AVTEP$_1$		**AVTEAP$_1$**		**APMRSP$_1$**							
M10	45	M10	26	30	55	33	8				
AVTEP$_2$		**AVTEAP$_2$**		**APMRSP$_2$**				**ABINP-1**		**ADESP-1**	
M10	60	M10	41	30	70	45	8	40	22	M10	18
AVTEP$_3$		**AVTEAP$_3$**		**APMRSP$_3$**							
M10	70	M10	52	30	85	60	8				
AVTEP$_4$		**AVTEAP$_4$**		**APMRSP$_4$**						**ADESP-2**	
M12	100	M12	83	45	120	90	10			M12	20

* Altre piastre speciali sono a pag. 19
Other special plate are at page 19

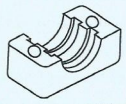
Collari serie pesante in polipropilene, poliammide autoestinguente, alluminio o gomma

Heavy duty clamps in polypropylene, self-extinguishing polyamide, aluminium or rubber



gruppo - group	diametro tubo pipe diameter			tipo di collare clamp type				dimensioni in mm dimension in mm						
	Ø mm	pollici/inches G	pollici/inches Ø O.D.	**AMP.P** polipropilene polypropylene	**MMP.P** polyamide self-extinguishing	**RMP.P** gomma rubber	**AMLL.P** alluminio aluminium	a	b	c	d	f	s	e
5	65			AMP.P$_5$ 65	MMP.P$_5$ 65	RMP.P$_5$ 65	AMLL.P$_5$ 65	60	152	122	120	180	10	M16x130
	70		2 3/4"	AMP.P$_5$ 70	MMP.P$_5$ 70	RMP.P$_5$ 70	AMLL.P$_5$ 70							
	75			AMP.P$_5$ 75	MMP.P$_5$ 75	RMP.P$_5$ 75	AMLL.P$_5$ 75							
	76,1	2 1/2"	3"	AMP.P$_5$ 2 1/2"	MMP.P$_5$ 2 1/2"	RMP.P$_5$ 2 1/2"	AMLL.P$_5$ 2 1/2"							
	80			AMP.P$_5$ 80	MMP.P$_5$ 80	RMP.P$_5$ 80	AMLL.P$_5$ 80							
	82,5		3 1/4"	AMP.P$_5$ 82,5	MMP.P$_5$ 82,5	RMP.P$_5$ 82,5	AMLL.P$_5$ 82,5							
	88,9	3"	3 1/2"	AMP.P$_5$ 3"	MMP.P$_5$ 3"	RMP.P$_5$ 3"	AMLL.P$_5$ 3"							
6	88,9	3"	3 1/2"	AMP.P$_6$ 3"	MMP.P$_6$ 3"	RMP.P$_6$ 3"	–	80	205	168	170	225	15	M20x190
	100			AMP.P$_6$ 100	MMP.P$_6$ 100	RMP.P$_6$ 100	–							
	101,6	3 1/2"	4"	AMP.P$_6$ 3 1/2"	MMP.P$_6$ 3 1/2"	RMP.P$_6$ 3 1/2"	–							
	108		4 1/4"	AMP.P$_6$ 108	MMP.P$_6$.108	RMP.P$_6$ 108	–							
	114,3	4"	4 1/2"	AMP.P$_6$ 4"	MMP.P$_6$ 4"	RMP.P$_6$ 4"	–							
	127	4 1/2"	5"	AMP.P$_6$ 4 1/2"	MMP.P$_6$ 4 1/2"	RMP.P$_6$ 4 1/2"	–							
	133		5 1/2"	AMP.P$_6$ 133	MMP.P$_6$ 133	RMP.P$_6$ 133	–							
7	133		5 1/4"	AMP.P$_7$ 133	MMP.P$_7$ 133	RMP.P$_7$ 133	–	90	250	205	200	270	15	M24x220
	139,7	5"	5 1/2"	AMP.P$_7$ 5"	MMP.P$_7$ 5"	RMP.P$_7$ 5"	–							
	152,4	5 1/2"	6"	AMP.P$_7$ 5 1/2"	MMP.P$_7$ 5 1/2"	RMP.P$_7$ 5 1/2"	–							
	165		6 1/2"	AMP.P$_7$ 165	MMP.P$_7$ 165	RMP.P$_7$ 165	–							
	168,3	6"		AMP.P$_7$ 6"	MMP.P$_7$ 6"	RMP.P$_7$ 6"	–							
8	168,3	6"		AMP.P$_8$ 6"	–	–	–	120	320	265	270	340	25	M30x300
	177,8		7"	AMP.P$_8$ 177,8	–	–	–							
	193,7		7 5/8"	AMP.P$_8$ 193,7	–	–	–							
	216		8 1/2"	AMP.P$_8$ 216	–	–	–							
	219,1	8"		AMP.P$_8$ 8"	–	–	–							
9	219,1	8"		AMP.P$_9$ 8"	–	–	–	160	470	395	410	520	30	M30x450
	244,5		9 5/8"	AMP.P$_9$ 244,5	–	–	–							
	273	10"		AMP.P$_9$ 10"	–	–	–							
	323,9	12"		AMP.P$_9$ 12"	–	–	–							

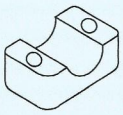
AMP.P*... = polipropilene / polypropylene MMP.P... = polyamide / self-extinguishing RMP.P... = gomma / rubber AMLL.P... = alluminio / aluminium
...H = interno liscio / smooth inside (per ordine di collari tipo H, aggiungere H dopo il codice / to order clamps type H, please put the H at the end of the code)



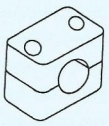
tipo normale interno sagomato — normal model profiled inside



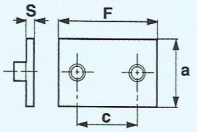
tipo normale interno sagomato — normal model profiled inside

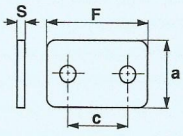


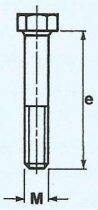
tipo H interno liscio — H model smooth inside



tipo H interno liscio — H model smooth inside

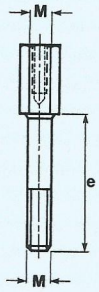


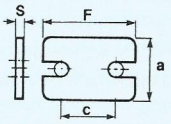


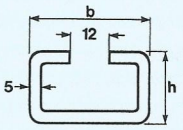


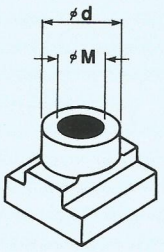
semi-collare clamp-half	coppia collari clamp body (2 halves)	piastra inferiore lower plate				piastra superiore upper plate				vite a testa esagonale hexagonal head screw	
AMP.P ... S	**AMP.P ... C**	**APINP** a mm	F mm	c mm	S mm	**APSP** a mm	F mm	c mm	S mm	**AVTEP** M	e mm
AMP.P$_5$ 65 S	AMP.P$_5$ 65 C	**APINP$_5$** 60	180	122	10	**APSP$_5$** 60	152	122	10	**AVTEP$_5$** M16	130
AMP.P$_5$ 70 S	AMP.P$_5$ 70 C										
AMP.P$_5$ 75 S	AMP.P$_5$ 75 C										
AMP.P$_5$ 2½" S	AMP.P$_5$ 2½" C										
AMP.P$_5$ 80 S	AMP.P$_5$ 80 C										
AMP.P$_5$ 82,5 S	AMP.P$_5$ 82,5 C										
AMP.P$_5$ 3" S	AMP.P$_5$ 3" C										
AMP.P6 3" S	AMP.P6 3" C	**APINP$_6$** 80	225	168	15	**APSP$_6$** 80	205	168	15	**AVTEP$_6$** M20	190
AMP.P6 100 S	AMP.P6 100 C										
AMP.P6 3½" S	AMP.P6 3½" C										
AMP.P6 108 S	AMP.P6 108 C										
AMP.P6 4" S	AMP.P6 4" C										
AMP.P6 4½" S	AMP.P6 4½" C										
AMP.P6 133 S	AMP.P6 133 C										
AMP.P7 133 S	AMP.P7 133 C	**APINP$_7$** 90	270	205	15	**APSP$_7$** 90	250	205	15	**AVTEP$_7$** M24	220
AMP.P7 5" S	AMP.P7 5" C										
AMP.P7 5½" S	AMP.P7 5½" C										
AMP.P7 165 S	AMP.P7 165 C										
AMP.P7 6" S	AMP.P7 6" C										
AMP.P8 6" S	AMP.P8 6" C	**APINP$_8$** 120	340	265	25	**APSP$_8$** 120	320	265	25	**AVTEP$_8$** M30	300
AMP.P8 177,8 S	AMP.P8 177,8 C										
AMP.P8 193,7 S	AMP.P8 193,7 C										
AMP.P8 216 S	AMP.P8 216 C										
AMP.P8 8" S	AMP.P8 8" C										
AMP.P9 8" S	AMP.P9 8" C	**APINP$_9$** 160	520	395	30	**APSP$_9$** 160	470	395	30	**AVTEP$_9$** M30	450
AMP.P9 244,5 S	AMP.P9 244,5 C										
AMP.P9 10" S	AMP.P9 10" C										
AMP.P9 12" S	AMP.P9 12" C										

* La produzione standard è di colore verde, colore nero su richiesta.
Standard production in green, black color on request.



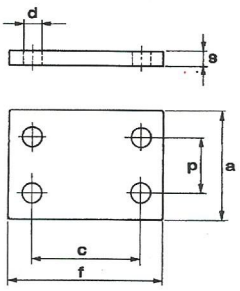


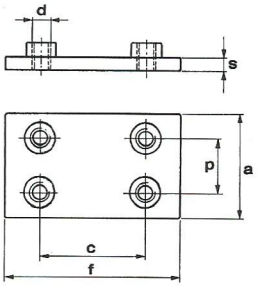




vite a testa esagonale allungata high hexagonal head screw		piastra superiore di sicurezza security upper plate				binari portanti spessore 5 mm rail		dado fissaggio binari rail nut	
AVTEAP		**APMRSP**				**ABINP**		**ADESP**	
M	e mm	a mm	F mm	c mm	S mm	b mm	h mm	M	Ø d mm
AVTEAP$_5$		**APMRSP$_5$**							
M16	110	60	152	122	10	40	22	M12	20

Piastre doppie per serie pesante
Double plates for heavy duty series



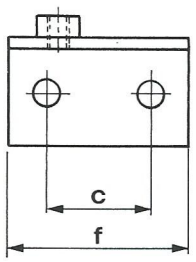


gruppo - group	piastra superiore doppia double upper plate					
	APSPD					
	a mm	f mm	s mm	c mm	p mm	d mm
1	**APSPD$_1$**					
	60	56	8	33	31	11
2	**APSPD$_2$**					
	60	70	8	45	31	11
3	**APSPD$_3$**					
	60	85	8	60	31	11
4	**APSPD$_4$**					
	90	116	10	90	46	14
5	**APSPD$_5$**					
	120	153	10	122	61	18

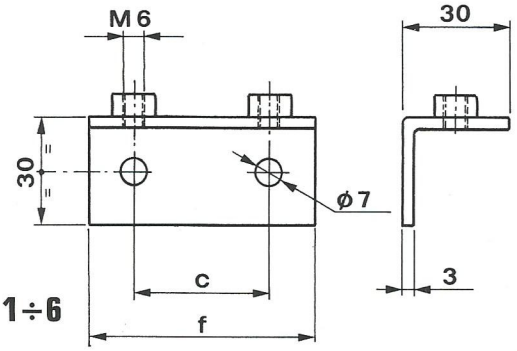
gruppo - group	piastra inferiore doppia double lower plate					
	APINPD					
	a mm	f mm	s mm	c mm	p mm	m
1	**APINPD$_1$**					
	60	74	8	33	31	M10
2	**APINPD$_2$**					
	60	86	8	45	31	M10
3	**APINPD$_3$**					
	60	100	8	60	31	M10
4	**APINPD$_4$**					
	90	140	10	90	46	M12
5	**APINPD$_5$**					
	120	180	10	122	61	M16

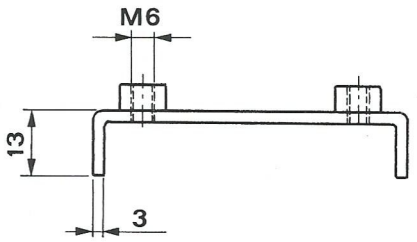
Piastre speciali per serie standard
Special plates for standard series

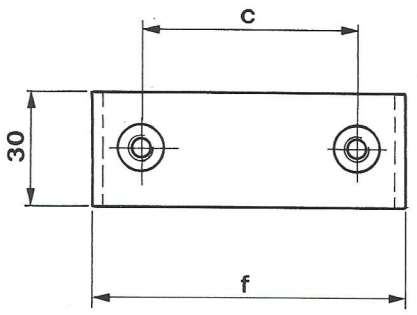
gruppo / group **0**



gruppo / group **1÷6**







gruppo - group	piastra ad angolo angled plate		
	APINL	c mm	f mm
0	**APINL₀**	14	32
1	**APINL₁**	20	42
2	**APINL₂**	26	48
3	**APINL₃**	33	55
4	**APINL₄**	40	62
5	**APINL₅**	52	74
6	**APINL₆**	66	88

gruppo - group	piastra a ponte bridge plate		
	APINB	c mm	f mm
0	**APINB₀**	–	–
1	**APINB₁**	20	48
2	**APINB₂**	26	54
3	**APINB₃**	33	62
4	**APINB₄**	40	71
5	**APINB₅**	52	85
6	**APINB₆**	66	98

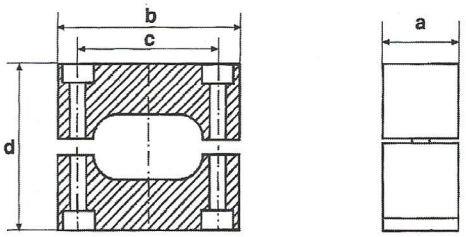
Collari serie standard per tubi gemellati

Standard series clamps for twin tubes

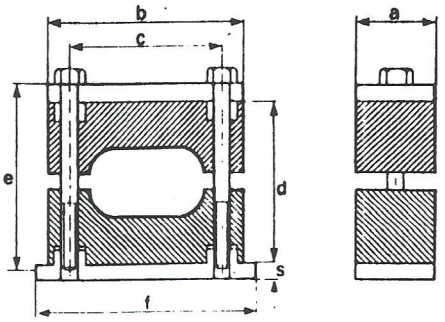
A: senza piastra superiore
without upper plate

B: con piastra superiore (a richiesta)
with upper plate (on request)

A



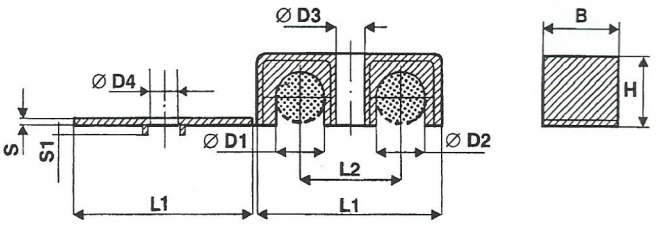
B



diametro tubo pipe diameter		tipo di collare clamp type			dimensioni in mm dimension in mm				
mm	pollici inches	polipropilene polypropylene	polyamide self-extinguishing	gomma rubber	a	b	c	d	viti screw
12	1/4	**TBP** 3 1/4	**TBM** 3 1/4	**TBR** 3 1/4	30	48	33	35	M6 x 30
14	5/16	**TBP** 4 5/16	**TBM** 4 5/16	**TBR** 4 5/16	30	52	40	42	M6 x 40
16	3/8	**TBP** 4 3/8	**TBM** 4 3/8	**TBR** 4 3/8	30	52	40	42	M6 x 40
20	1/2	**TBP** 5 1/2	**TBM** 5 1/2	**TBR** 5 1/2	30	68	52	58	M6 x 50

Elementi di fissaggio per tubi rigidi, flessibili e cavi elettrici

Clamps for hoses, pipes, tubes and cables



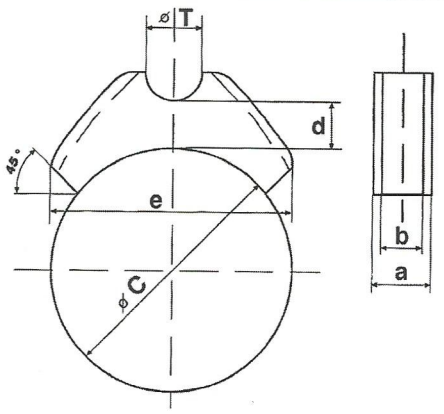
gruppo - group	diametro tubo D1 - D2 D1 - D2 pipe diameter		tipo collare clamp type	dimensioni in mm dimensions in mm										colore colour
	Ø mm	pollici inches Ø O.D.	**ACSD** polipropilene polypropylene	L1	L2	B	H	S	S1	D1	D2	D3	D4	
2	06 - 06	1/4 - 1/4	ACSD 06 - 06	38	22	16	14,2	2	3	6	6	6,9	7	bianco nero verde
	08 - 08	1/4 - 1/4	ACSD 08 - 08											white black green
	10 - 10	3/8 - 3/8	ACSD 10 - 10	38	22	16	14,5	2	3	10	10	6,9	7	bianco nero verde
	12 - 12	3/8 - 3/8	ACSD 12 - 12											white black green
3	15 - 15	5/8 - 5/8	ACSD 15 - 15	53	31	20	22,5	2	3	15	15	6,9	7	bianco nero verde white black green
4	19 - 19	3/4 - 3/4	ACSD 19 - 19	70	38	20	30	2	3	19	19	6,9	7	bianco nero verde white black green

Applicazioni: Oleodinamica e pneumatica, Strumentazione, Tecnologia automobilistica, Industria Mecchine Utensili, Macchine per plastica, Macchine movimento terra, Macchine agricole, Lubrificazione, Ingegneria meccanica, ecc.,.

Applications: *Oleodynamics and pneumatics, Instrumentation and Automotive Technology, Machine Toool Industry, Goose-neck machines, Earth moving machines, Farm machines, Lubrification, Mechanical Engineering, and so on.*

Supporto tra tubo e cilindro
Pipe clamp for cylinder

materiale - material: PVC
Δ Shore = 60°C - 284°F



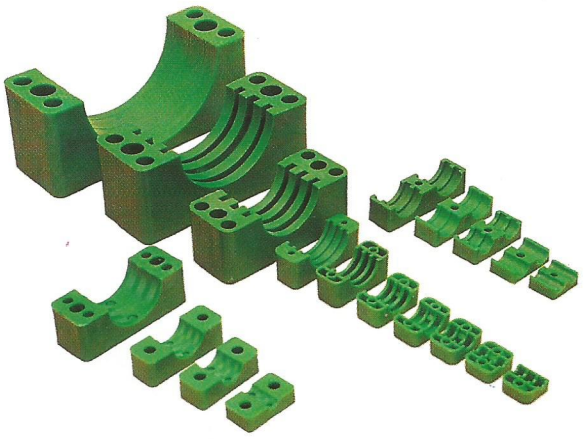
gruppo - group	codice code	Ø cilindro C - Ø cylinder C		Ø tubo T - Ø tube T		dimensioni in mm dimensions in mm			
		mm	inc. O.D.	mm	inc. O.D.	a	b	d	e
1	STF 12/50-70	50 ÷ 70	1,96 ÷ 2,75	12	0,47	23	14	12	72
	STF 12/60-80	60 ÷ 80	2,36 ÷ 3,15						
	STF 12/70-90	70 ÷ 90	2,75 ÷ 3,54						
	STF 12/80-100	80 ÷ 100	3,15 ÷ 3,94						
	STF 12/90-110	90 ÷ 110	3,54 ÷ 4,33						
	STF 12/100-120	100 ÷ 120	3,94 ÷ 4,72						
	STF 12/110-130	110 ÷ 130	4,33 ÷ 5,12						
	STF 12/125-150	125 ÷ 150	4,92 ÷ 5,90						
	STF 12/145-170	145 ÷ 170	5,71 ÷ 6,69						
	STF 12/165-200	165 ÷ 200	6,49 ÷ 7,87						
2	STF 20/50-70	50 ÷ 70	1,96 ÷ 2,75	20	0,78	23	14	12	72
	STF 20/60-80	60 ÷ 80	2,36 ÷ 3,15						
	STF 20/70-90	70 ÷ 90	2,75 ÷ 3,54						
	STF 20/80-100	80 ÷ 100	3,15 ÷ 3,94						
	STF 20/90-110	90 ÷ 110	3,54 ÷ 4,33						
	STF 20/100-120	100 ÷ 120	3,94 ÷ 4,72						
	STF 20/110-130	110 ÷ 130	4,33 ÷ 5,12						
	STF 20/125-150	125 ÷ 150	4,92 ÷ 5,90						
	STF 20/145-170	145 ÷ 170	5,71 ÷ 6,69						
	STF 20/165-200	165 ÷ 200	6,49 ÷ 7,87						
3	STF 25/50-70	50 ÷ 70	1,96 ÷ 2,75	25	0,98	23	14	12	72
	STF 25/60-80	60 ÷ 80	2,36 ÷ 3,15						
	STF 25/70-90	70 ÷ 90	2,75 ÷ 3,54						
	STF 25/80-100	80 ÷ 100	3,15 ÷ 3,94						
	STF 25/90-110	90 ÷ 110	3,54 ÷ 4,33						
	STF 25/100-120	100 ÷ 120	3,94 ÷ 4,72						
	STF 25/110-130	110 ÷ 130	4,33 ÷ 5,12						
	STF 25/125-150	125 ÷ 150	4,92 ÷ 5,90						
	STF 25/145-170	145 ÷ 170	5,71 ÷ 6,69						
	STF 25/165-200	165 ÷ 200	6,49 ÷ 7,87						

Applicazioni: Oleodinamica e pneumatica - Macchine utensili - Macchine movimento terra - Macchine agricole - Industria meccanica - Industria in generale - ecc.

Applications: *oleodynamic and pneumatic - Machines tools - Earth-moving machines - Farm machines - Mechanical and metallurgical industry - Oil industry - and so on.*

Caratteristiche materiali
Materials properties

	Metodo di prova Test method	Unità di misura Units	Polipropilene Copolimero Meterophasic Copolymers	Poliammide 6-6 Polyamide 6-6	Gomma termoplastica Thermoplastic Rubber	Alluminio Aluminium
FISICHE **Physical**						
Peso specifico Specific gravity	ASTM D 792	g/cm³	0,9	1,34	0,964	
Assorbimento d'acqua (24h a 23°C in immersione) Water absorption (24h at 23°C immersion)	ASTM D 570	%		1		
Ritiro lineare allo stampaggio Mould shrinkage	ASTM D 955	%	1,5 ÷ 2,4	0,2 ÷ 0,5	0,4 ÷ 0,8	
MECCANICHE **Mechanical**						
Carico di snervamento a trazione Tensile strenght at yield	ASTM D 638	N/mm²	27			
Carico di rottura a trazione Tensile strenght	ASTM D 638	N/mm²		150	1400	170 ÷ 220
Modulo elastico a trazione Tensile modulus	ASTM D 638	N/mm²	1400	8200	530	68000 ÷ 78000
Allungamento alla rottura Ultimate elongation	ASTM D 638	%	12	3	750	
Resistenza all'urto con intaglio IZOD 6.4 mm IZOD impact strenght notched 6.4 mm	ASTM D 256	J/m	85	70	89 Shore D	
Durezza Rockwell, scala R + L Rockwell hardness, scale R + L	ASTM D 785	—	R84	(L) 150		
TERMICHE **Thermal**						
Temperatura di inflessione 1.82 N mm2 H.D.T. - heat distorsion temperature 1.82 N mm2	ASTM D 648	°C	88	240	70 ÷ 90	
Temperatura di fusione Melting point	ASTM D 789	°C	150	258		380
Coefficiente di espansione termico lineare Coefficient of linear thermal expansion	ASTM D 696	°C		2,5 - 10^{5}		24 - 10^{-5} (1,6mm: nero/black)
Autoestinguenza Flammability	UL 94	—		V-0 (1,6mm: nero/black)		
Temperatura max. d'esercizio Max. exercise temperature	—	°C	-30 +90	-40 +180	-40 +80	+350
ELETTRICHE **Electrical**						
Rigidità dielettrica - spessore 3 mm Dielectric strengh - thickness 3 mm	ASTM D 149	kV/mm		20		20
Costante dielettrica a 1 kHz Dielectric constant, 1kHz	ASTM D 150	—		4,5		
Resistività di volume Volume resistivity	ASTM D 257	Phm. cm²	10^{18}	4,5 - 10^{15}		4,5 - 10^{15}
Fattore di dissipazione a 1 kHz Dissipation factor, 1 kHz	DIN 53483	—		0,018		
Resistenza alle correnti striscianti KA sol. A Tracking resistance KA sol. A	DIN 53480	—	3C	KA 3b	KA 3b	KA 3b
Resistenza alle correnti striscianti KB sol. A Tracking resistance KB sol. A	DIN 53480	V	> 680	450		
Resistenza alle correnti striscianti KC sol. F Tracking resistance KC sol. F	DIN 53480	V	> 600	450		450









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