



italian
DESIGN AND PRODUCTION

PIPE CLAMPS

FOR THE WIDEST RANGE
OF APPLICATIONS

GENERAL CATALOGUE | **ENG**





PI.EFFE.CI.
OVER 50 YEARS OF EXPERIENCE



2

PI.EFFE.CI. OVER 50 YEARS OF EXPERIENCE





OVER 50 YEARS OF EXPERIENCE

PIEFFE.CI

3

Pieffeci offers its customers over 50 years of experience in the market of pipe fixing systems.

The continuity over the years of the corporate structure -more than two generations- and the continuous search for innovation are the best customers' assurance who reward Pi.effe.ci. all over the world.

Innovation for Pi.effe.ci. means a continuous investments in technology, production capacity and services.

A competent and loyal sales network, covering the entire globe, provides us a reliable feedback from the market and allows us to understand immediately the challenges of the new markets and respond with high-performance and sustainable solutions.

The high efficiency production systems, ensured by constant technological innovation, the proven

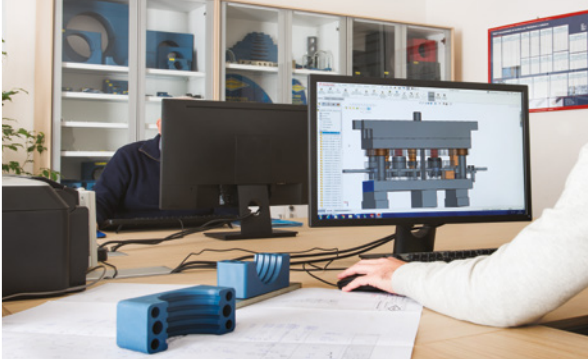
competence of its qualified staff, the optimization and automation of processes, allow Pi.effe.ci. to guarantee the quality of the products both for large and small quantities.

Thanks to an efficient internal quality control system, Pi.effe.ci. obtained the ISO 9001, ISO 45001 and RINA certifications. The products are tested for compliance and their performance is continuously verified, in order to ensure to the customers the best behavior even under the worst use conditions.

Pi.effe.ci., always tended towards customer satisfaction, provides its customers with complete assistance "pre" and "post" sales, also through constantly updated technical consultation tools.

PRODUCTION
GREATER CAPACITY, FASTER RESPONSE

DESIGN CENTER



MOLD PRODUCTION AND MAINTENANCE



4

AUTOMATED SMALL PARTS WAREHOUSE



PRODUCTION
**GREATER
CAPACITY,
FASTER
RESPONSE**



GREATER CAPACITY, FASTER RESPONSE
PRODUCTION

5

The recent investment in a new building, with its 3,600 sq.m. of production and 800 sq.m. of offices and laboratories, confirm Pi.effe.ci.'s commitment to ensure its customers a stable and lasting presence on the market.

All the processes are made internally in Pi.effe.ci.'s facilities, located in the city of Parma (Italy), using high specialized and protected workers.

The continuous technological investments in production area guarantees high production efficiency and makes quality control regular, even in the case of large batches.

The automated warehouse, covering an area of 600 sq. m., enables the company to provide its customers the respect of delivery times scheduled and, if necessary, in a very short time (urgent orders can be delivered in 2-3 days from date of the order).

The production department has high-tech machineries able to realize, internally, the entire production process: from design to the production of molds, from the fusion and molding of aluminum and plastics to the processing of materials in bars (iron, steel, PP, PTFE and other) for fixing accessories production, in addition to all the ancillary processing, such as welding, extrusion, milling and threading.

Aluminum and plastic processing take place in two dedicated departments: melting and molding of aluminum carried out by means of a new generation machinery, while plastic materials are melted and molded in parallel automated lines which can reach a production of over 10 million pieces per year.



PI.EFFE.CI. PIPE CLAMPS
ANYWAY, ANYWHERE

6



PI.EFFE.CI. PIPE CLAMPS
**ANYWAY,
ANYWHERE**



PI.EFFE.CI. PIPE CLAMPS
ANYWHERE ANYWHERE

Pieffeci range has solutions for pipe fixing in the most different industrial sectors: from oil to wind power, from rail to offshore, from petrochemical to iron and steel, from industrial to naval industry, from mobile to tires, from gas pipelines to mining industry.

Thanks to the internal design center, the company constantly expands its product range to meet the needs of the most demanding applications.

The internal molding of plastic materials also allows the customer to customize the color of the clamps, to meet all the aesthetic or internal codification customer requirements .

The feedback received from the market grow into continuous search of new solutions and materials to meet the ever-changing needs of the industrial sectors.

The technical competence and production efficiency of Pi.effe.ci. guarantees to customers a quality that meets the highest technical standards of all the specific industrial applications.

A solid sales and distribution network, of qualified, professionals and specialized dealers, allows Pi.effe.ci. fastening solutions to reach all part of the world.

Thanks to the e-commerce integrated into the company website, reserved for accredited B2B customers, it is also possible to make immediate orders independently or check availability of the products.

The continuous effort of Pi.effe.ci., aimed at increasing accessibility of the printed and on-line catalogue, and also the exhaustive technical documentation published on the web-site, confirm the target to grant, to accredited customers, immediate and direct access to Pi.effe.ci.'s resources.



ALUMINIUM FUSION AND MOULDING



PLASTIC FUSION AND MOULDING



AUTOMATED WAREHOUSE
600 m²

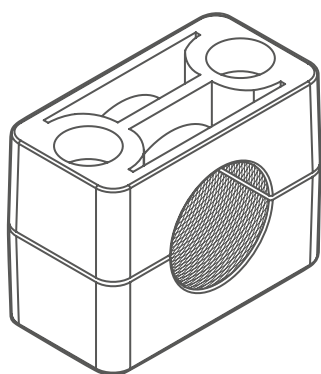






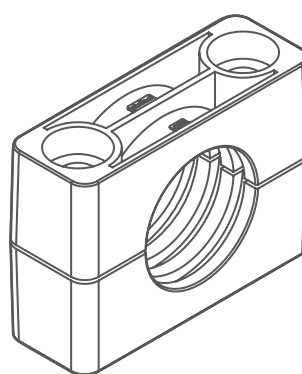
THE NEW DIRECTION CENTER
3,600 m² PRODUCTION / 800 m² OFFICES AND LABS





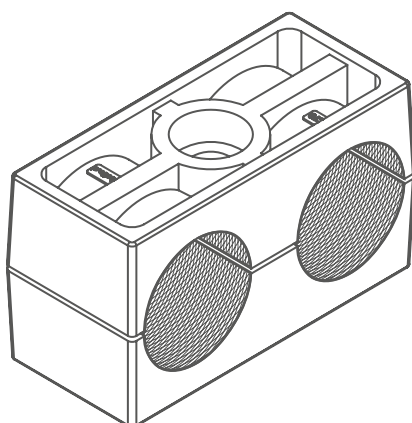
STANDARD SERIES CLAMPS

Generalities **p. 15**
 Order Codes and Dimensions **p. 16**
 Mounting Examples **p. 30**



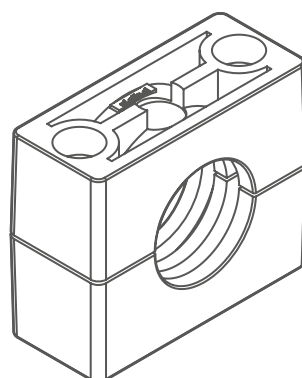
HEAVY SERIES CLAMPS

Generalities **p. 39**
 Order Codes and Dimensions **p. 40**
 Mounting Examples **p. 51**



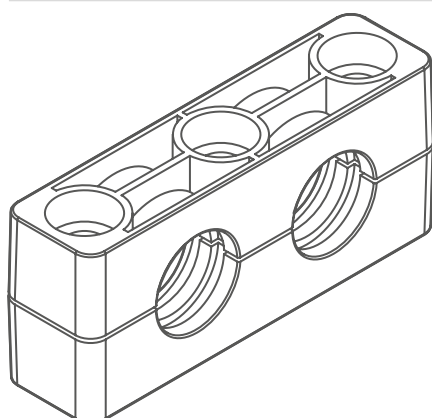
TWIN SERIES CLAMPS

Generalities **p. 55**
 Order Codes and Dimensions **p. 56**
 Mounting Examples **p. 66**



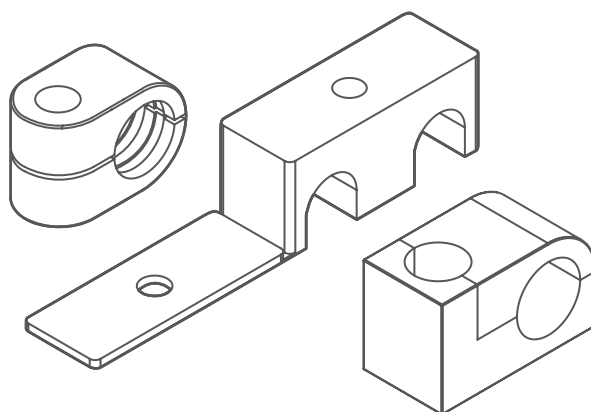
SPECIAL CLAMPS

Generalities **p. 71**
 Order Codes and Dimensions **p. 72**
 Mounting Examples **p. 77**



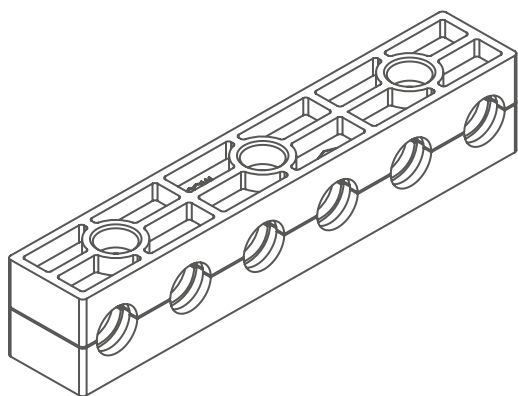
HEAVY SERIES TWIN DESIGN CLAMPS

Generalities **p. 79**
 Order Codes and Dimensions **p. 80**
 Mounting Examples **p. 86**



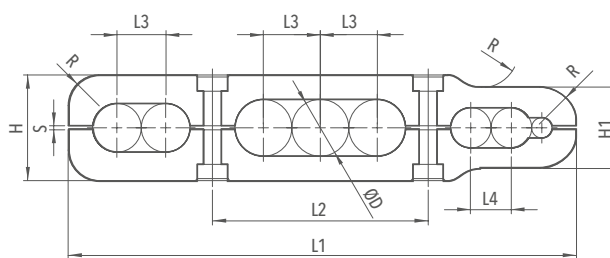
LIGHT SERIES CLAMPS

Generalities **p. 89**
 Order Codes and Dimensions **p. 90**
 Mounting Examples **p. 100**



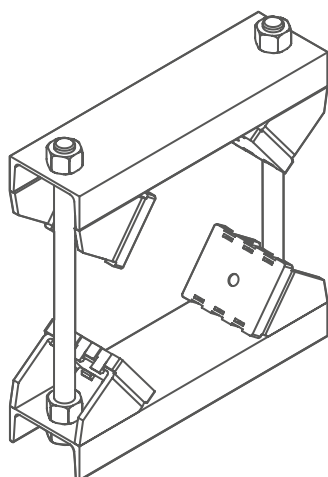
MULTICLAMPS

Generalities **p. 105**
 Order Codes and Dimensions **p. 106**
 Mounting Examples **p. 115**



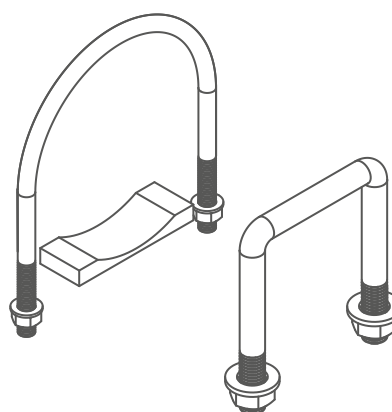
CUSTOM DESIGNED CLAMPS

Generalities **p. 117**
 Examples of custom designed clamps **p. 118**



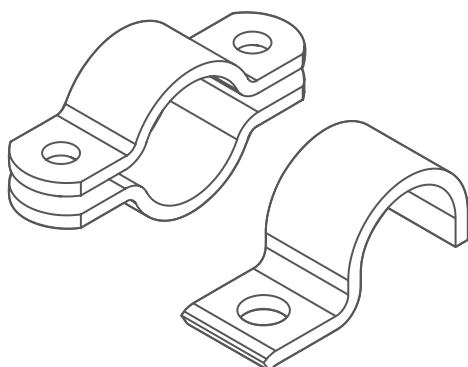
SUPER HEAVYWEIGHT SERIES

Generalities **p. 121**
 Order Codes and Dimensions **p. 122**



U-BOLT CLAMPS

Generalities **p. 127**
 Order Codes and Dimensions **p. 128**



METAL PIPE CLAMPS

Generalities **p. 139**
 Order Codes and Dimensions **p. 140**

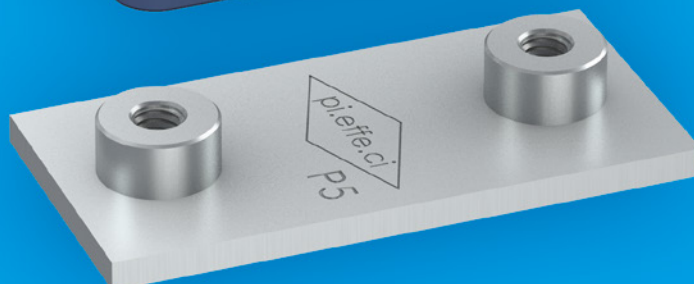
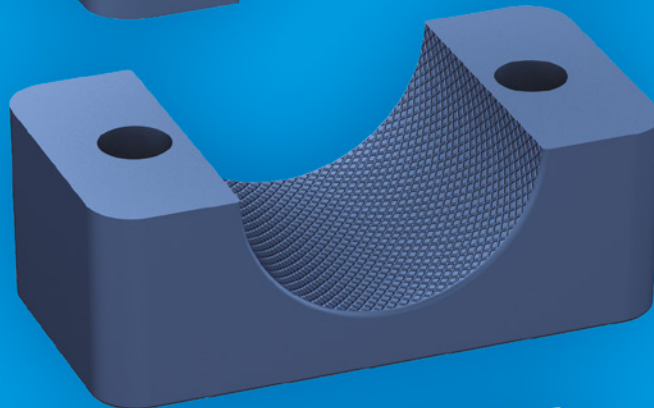
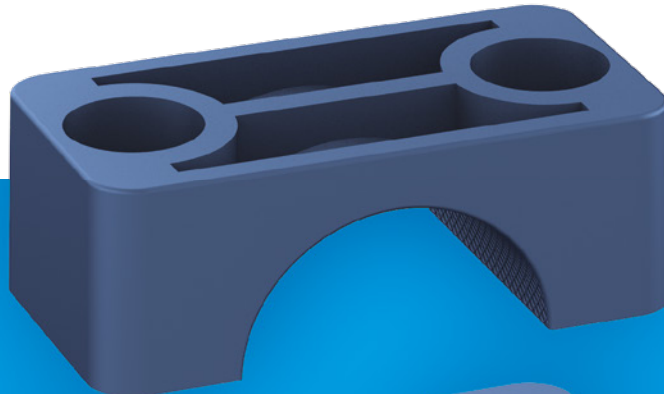
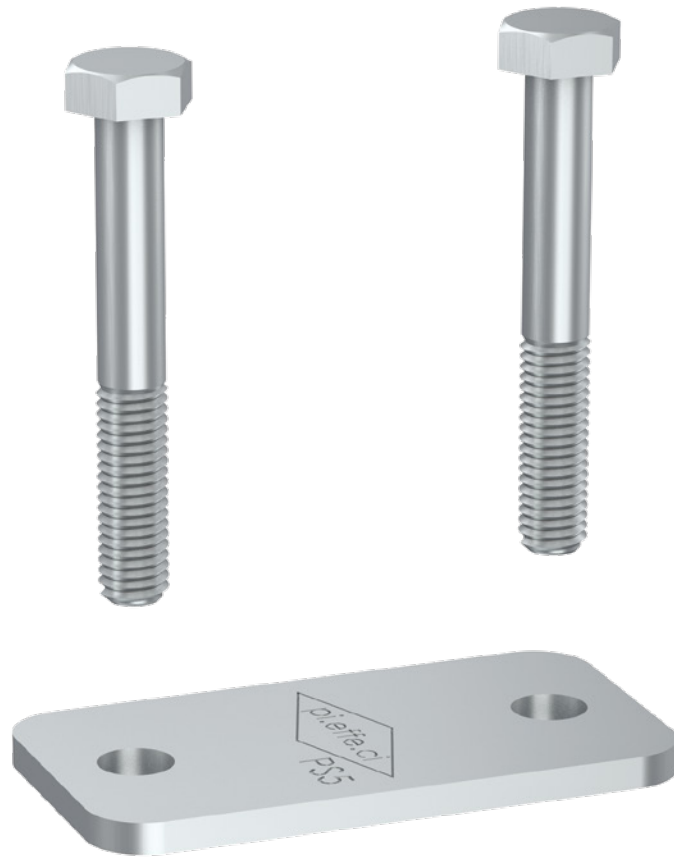
TECHNICAL APPENDIX

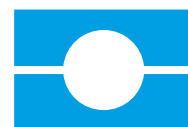
Material Characteristics **p. 148**
 Dimensions of Clamp Assemblies **p. 150**
 Recommended Distance Between Clamps **p. 152**
 Clamp Installation in Case of Bend Pipe **p. 152**
 Property and Classes for Bolts and Screws **p. 152**
 Tightening Torques and Maximum Loads
 in Pipe Direction **p. 153**
 Certifications **p. 154**



PIPE CLAMPS
STANDARD SERIES

14





PIPE CLAMPS STANDARD SERIES

DIN 3015, PART 1

PIPE CLAMPS
STANDARD SERIES

15

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Rubber Elastomer
Colour **Black**
Code **GM**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**



Aluminium
Colour **Natural**
Code **A**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

Clamp body internal surface:
knurled (C1 to C7)
profiled (C8-C9, AC1 to AC7, C60, TG)
smooth (C7C, C1 L to C9 L)

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 235 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with X identification code.

The **BB** track is treated with zinc-plating SENDZIMIR.
The **BBP** track is treated with zinc-coating Fe Zn c8 II.

Metric thread: code **M**
UNC thread: code **UNC**.

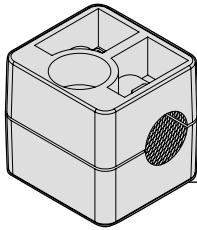
For Material Characteristics, see Technical Appendix (page 147).



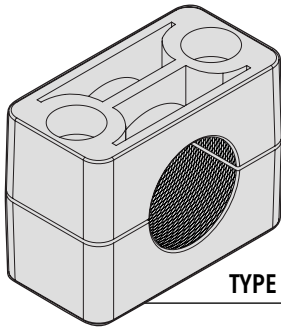


C CLAMP BODY

TWO CLAMP HALVES



TYPE 1



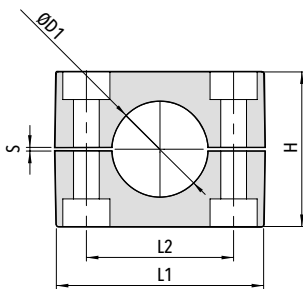
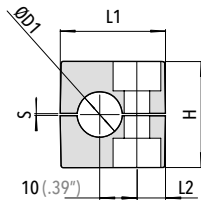
TYPE 2 TO 9

DIN 3015, PART 1

PIPE CLAMPS
STANDARD SERIES

16

Code C (Material PP - PA - GM - AU)
 Code AC (Material AL).



ORDER CODE

CLAMP BODY CODE	OUTSIDE DIAMETER (mm)	MATERIAL
-----------------	-----------------------	----------

EXAMPLE

Clamp body type: 3
 Material: PP
 Outside diameter: 15 mm
 Order code: **C3 - 15 - PP**

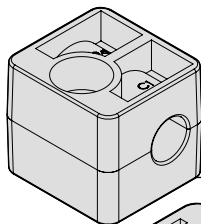
Code	Outside Diameter ØD1		L1	L2	H	S	Width
	mm	nominal bore pipe in					
C1 AC1	6						
	6,4	1/4"					
	8	5/16"					
	9,5	3/8"	28 (1.10")	9,5 (.37")	27 (1.06")	0,6 (.02")	30 (1.18")
	10	1/8"					
	12						
C2 AC2	12,7	1/2"					
	6						
	6,4	1/4"					
	8	5/16"					
	9,5	3/8"	37 (1.46")	20 (.79")	27 (1.06")	0,6 (.02")	30 (1.18")
	10	1/8"					
C3 AC3	12						
	12,7	1/2"					
	13,5	1/4"					
	14						
	15		42 (1.65")	26 (1.02")	33 (1.30")	0,8 (.03")	30 (1.18")
	16	5/8"					
C4 AC4	17,2	3/8"					
	18						
	19	3/4"					
	20						
	21,3	1/2"					
	22	7/8"	50 (1.97")	33 (1.30")	36 (1.42")	0,8 (.03")	30 (1.18")
C5 AC5	23						
	25						
	25,4	1"					
	26,9	3/4"					
	28						
	29		57 (2.24")	40 (1.57")	42 (1.65")	1 (.04")	30 (1.18")
C6 AC6	30						
	32	1.1/4"					
	32	1.1/4"					
	33,7	1"					
	35						
	38	1.1/2"	71 (2.80")	52 (2.05")	58 (2.28")	1,4 (.05")	30 (1.18")
C7 AC7	40						
	42,4	1.1/4"					
	45						
	44,5	1.3/4"					
	45						
	48,3	1.1/2"					
C8	50		86 (3.39")	66 (2.60")	66 (2.60")	1,4 (.05")	30 (1.18")
	50,8	2"					
	53						
	54	1.3/4"					
	57,2	2.1/4"					
	60,3	2"					
C9	63,5	2.1/2"					
	66		121 (4.76")	94 (3.70")	93 (3.66")	2 (.08")	30 (1.18")
	70	2.3/4"					
	73						
	76,1	2.1/2"					
	83,5	3"					
C9	88,9	3"	147 (5.79")	120 (4.72")	118 (4.65")	3 (.1")	30 (1.18")
	102	3.1/2"					



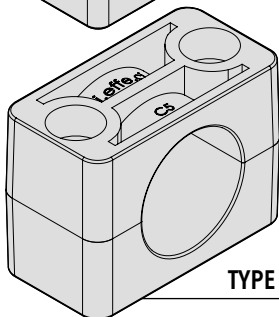
CL CLAMP BODY

CLAMPS SMOOTH INSIDE SURFACE WITHOUT TENSION CLEARANCE

TWO CLAMP HALVES SUITABLE FOR THE INSTALLATION OF HOSES OR CABLES

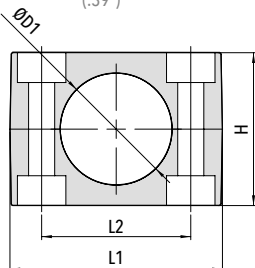
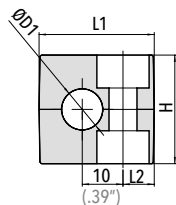


TYPE 1



TYPE 2 TO 9

Code C L (Material PP - PA - GM - AU)



Code	Outside Diameter ØD1		L1	L2	H	Width
	mm	nominal bore pipe in				
C1 L	6		28 (1.10")	9,5 (.37")	26 (1.02")	30 (1.18")
	6,4	1/4"				
	8	5/16"				
	9,5	3/8"				
	10	1/8"				
C2 L	12		37 (1.46")	20 (.79")	26 (1.02")	30 (1.18")
	12,7	1/2"				
	6					
	6,4	1/4"				
	8	5/16"				
C3 L	9,5	3/8"	42 (1.65")	26 (1.02")	32 (1.26")	30 (1.18")
	10	1/8"				
	12					
	12,7	1/2"				
	13,5	1/4"				
C4 L	14		50 (1.97")	33 (1.30")	35 (1.38")	30 (1.18")
	15					
	16	5/8"				
	17,2	3/8"				
	18					
C5 L	19	3/4"	57 (2.24")	40 (1.57")	41 (1.6")	30 (1.18")
	20					
	21,3	1/2"				
	22	7/8"				
	23					
C6 L	25		71 (2.80")	52 (2.05")	56,5 (2.22")	30 (1.18")
	25,4	1"				
	26,9	3/4"				
	28					
	29					
C7 L	30		86 (3.39")	66 (2.60")	64,5 (2.54")	30 (1.18")
	32	1.1/4"				
	32	1.1/4"				
	33,7	1"				
	35					
C8 L	38	1.1/2"	121 (4.76")	94 (3.70")	91 (3.58")	30 (1.18")
	40					
	42,4	1.1/4"				
	45					
	44,5	1.3/4"				
C9 L	45		147 (5.79")	120 (4.72")	115 (4.53")	30 (1.18")
	48,3	1.1/2"				
	50					
	50,8	2"				
	53					
C8 L	54	1.3/4"	121 (4.76")	94 (3.70")	91 (3.58")	30 (1.18")
	57,2	2.1/4"				
	60,3	2"				
	63,5	2.1/2"				
	66					
C9 L	70	2.3/4"	147 (5.79")	120 (4.72")	115 (4.53")	30 (1.18")
	73					
	76,1	2.1/2"				
C9 L	83,5		147 (5.79")	120 (4.72")	115 (4.53")	30 (1.18")
	88,9	3"				
	102	3.1/2"				

DIN 3015, PART 1
PIPE CLAMPS
STANDARD SERIES

ORDER EXAMPLE

C5 L - 28 - PP

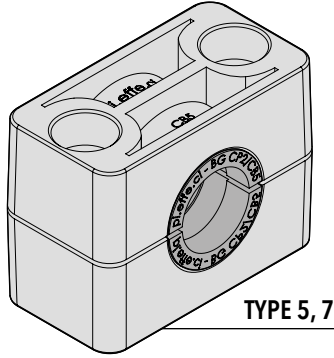




CB CLAMP BODY

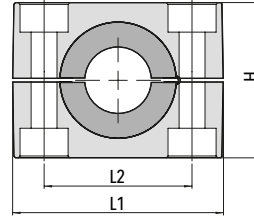
WITH RUBBER BUSHING

TWO CLAMP HALVES



ORDER EXAMPLE

CB5 - PP



Code	L1	L2	H	Width
------	----	----	---	-------

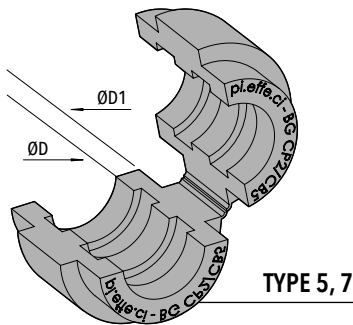
CB5	57 (2.24")	40 (1.57")	42 (1.65")	30 (1.18")
-----	---------------	---------------	---------------	---------------

CB7	86 (3.39")	66 (2.60")	66 (2.60")	30 (1.18")
-----	---------------	---------------	---------------	---------------

Code CB (Material PP - PA - AU)

18

BG RUBBER BUSHING



Code BG (Material GM)

ORDER EXAMPLE

BG CB5 - 15

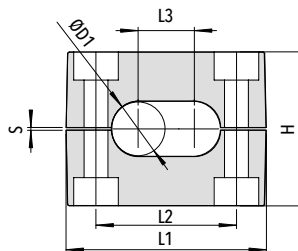
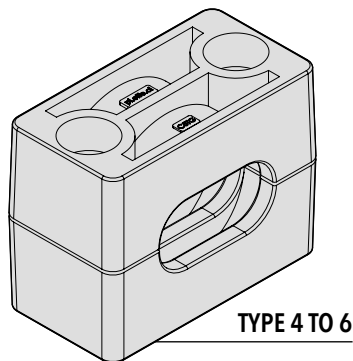
Code	Outside Diameter ØD		ØD1	Width
	mm	nominal bore pipe in		

	6			
	8	5/16"		
	10	1/8"		
	12			
	12,7	1/2"		
BG CB5	14		25 (.98")	30 (1.18")
	15			
	16	5/8"		
	17,2	3/8"		
	18			
	19	3/4"		
	20			
	21,3	1/2"		
	22	7/8"		
BG CB7	25		38 (1.50")	30 (1.18")
	26,9	3/4"		
	28			
	30			
	32	1.1/4"		



CTG CLAMP BODY

TWO CLAMP HALVES



Code	Outside Diameter ØD		L1	L2	L3	H	S	Width
	mm	in						
C4 TG	10-10	.39"-.39"	50 (1.97")	33 (1.30")	10 (.40")	36 (1.42")	0,8 (.03")	30 (1.18")
	12-12	.47"-.47"			12 (.47")			
C5 TG	14-14	.55"-.55"	57 (2.24")	40 (1.57")	14 (.55")	42 (1.65")	1 (.04")	30 (1.18")
	16-16	.63"-.63"			16 (.63")			
C6 TG	20-20	.79"-.79"	71 (2.80")	52 (2.05")	20 (.79")	58 (2.28")	1,4 (.05")	30 (1.18")

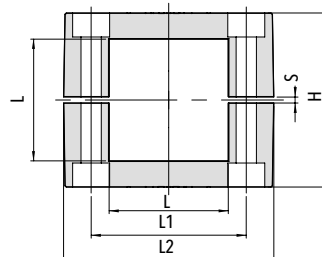
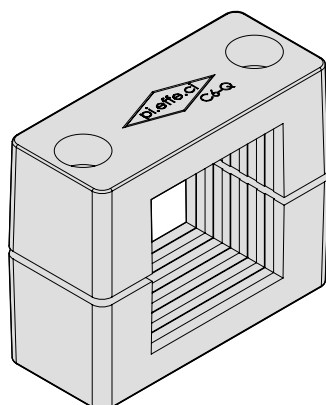
ORDER EXAMPLE

C4 TG - 10-10 - PP

Code CTG (Material PP - PA - AU)

STANDARD SERIES
 PIPE CLAMPS
 DIN 3015, PART 1

C6 Q PROXIMITY SWITCHES RECTANGULAR TYPE



Code	L x L	L1	L2	H	S	Width
C6 Q	40 x 40 (1.57" x 1.57")	71 (2.8")	52 (2.05")	58 (2.28")	1,4 (.05")	30 (1.18")
	40 x 36 (1.57" x 1.42")					

ORDER EXAMPLE

C6 Q - 40x40 - PP

Code C6 Q (Material PP)

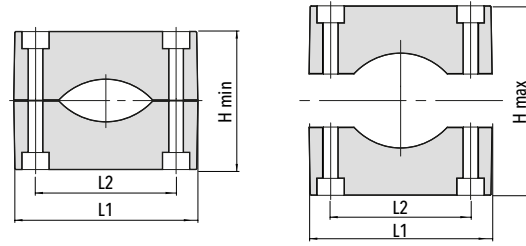
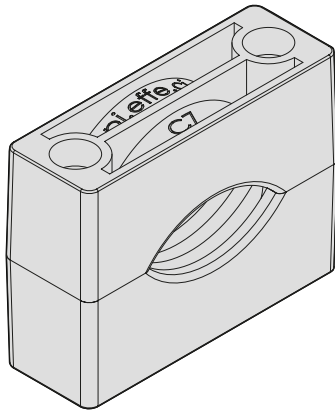




C7 C CLAMP BODY

CLAMPS WITH OVAL HOLE
 FOR FIXING ELECTRIC CABLES

TWO CLAMP HALVES



Code	Outside Diameter ØD	L1	L2	H min	H max	Width
C7 C	20 - 50 (.79" - 1.97")	86 (3.39")	66 (2.60")	64 (2.52")	94 (3.70")	30 (1.18")

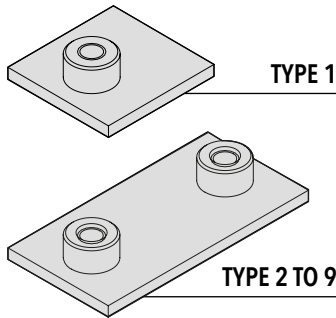
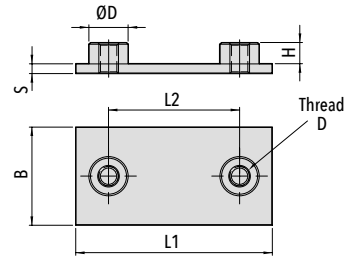
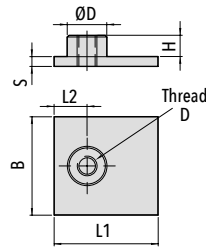
ORDER EXAMPLE

C7 C - 20-50 - PP

Code C7 C (Material PP - PA - AU)



P SINGLE WELD PLATE

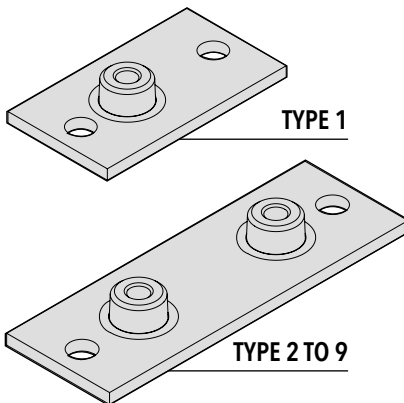
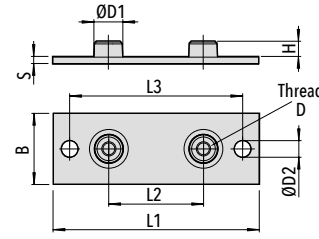
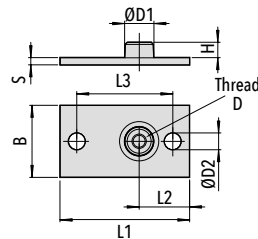


Code P (Carbon Steel S 235 JR)
Code XP (Stainless Steel AISI 316L).

Code	Thread D	L1	L2	B	S	H	ØD
P1 XP1	M6 (1/4-20 UNC)	31,5 (1.24")	10 (.39")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P2 XP2	M6 (1/4-20 UNC)	36 (1.42")	20 (.79")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P3 XP3	M6 (1/4-20 UNC)	42 (1.65")	26 (1.02")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P4 XP4	M6 (1/4-20 UNC)	50 (1.97")	33 (1.30")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P5 XP5	M6 (1/4-20 UNC)	60 (2.36")	40 (1.57")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P6 XP6	M6 (1/4-20 UNC)	71 (2.80")	52 (2.05")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P7 XP7	M6 (1/4-20 UNC)	88 (3.46")	66 (2.60")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
P8 XP8	M6 (1/4-20 UNC)	122 (4.80")	94 (3.70")	30 (1.18")	5 (.20")	6,5 (.26")	12 (.47")
P9 XP9	M6 (1/4-20 UNC)	148 (5.83")	120 (4.72")	30 (1.18")	5 (.20")	6,5 (.26")	12 (.47")

PL ELONGATED PLATE

(WITH SCREWS)



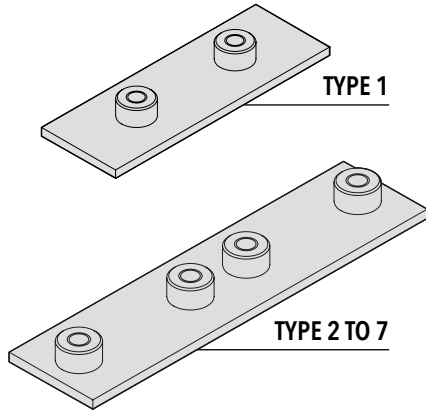
Code PL (Carbon Steel S 235 JR)
Code XPL (Stainless Steel AISI 316L)

Code	Thread D	L1	L2	L3	B	S	H	ØD1	ØD2
PL1 XPL1	M6 (1/4-20 UNC)	58 (2.28")	24,5 (.96")	44 (1.73")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL2 XPL2	M6 (1/4-20 UNC)	64 (2.52")	20 (0.79")	50 (1.97")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL3 XPL3	M6 (1/4-20 UNC)	70 (2.76")	26 (1.02")	56 (2.20")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL4 XPL4	M6 (1/4-20 UNC)	78 (3.07")	33 (1.30")	64 (2.52")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL5 XPL5	M6 (1/4-20 UNC)	87 (3.43")	40 (1.57")	73 (2.87")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL6 XPL6	M6 (1/4-20 UNC)	100 (3.94")	52 (2.05")	86 (3.39")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL7 XPL7	M6 (1/4-20 UNC)	115 (4.53")	66 (2.60")	100 (3.94")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	7 (.28")
PL8 XPL8	M6 (1/4-20 UNC)	150 (5.91")	94 (3.70")	136 (5.35")	30 (1.18")	5 (.20")	6,5 (.26")	12 (.47")	7 (.28")
PL9 XPL9	M6 (1/4-20 UNC)	178 (7.01")	120 (4.72")	162 (6.38")	30 (1.18")	5 (.20")	6,5 (.26")	12 (.47")	7 (.28")

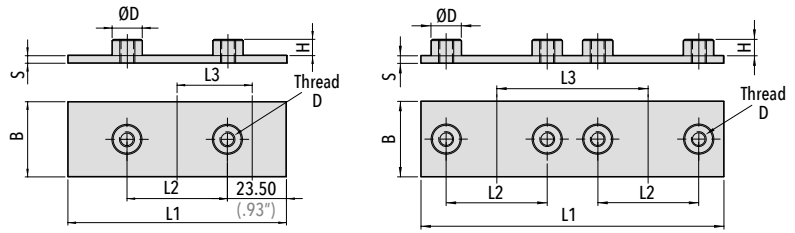


PD TWIN WELD PLATE

FOR N. 2 CLAMPS

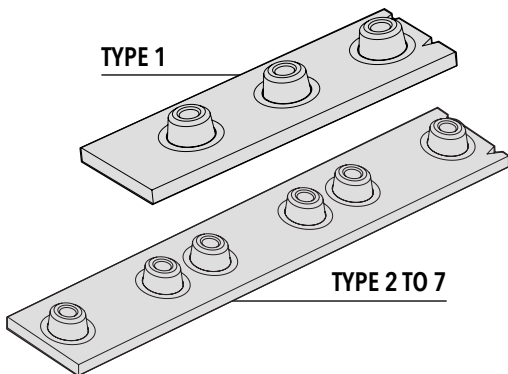


Code PD (Carbon Steel S 235 JR)
 Code XPD (Stainless Steel AISI 316L)

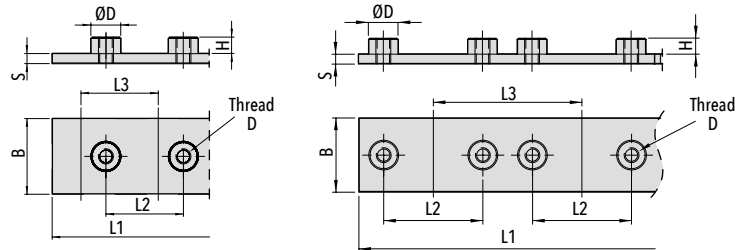


Code	Thread D	L1	L2	L3	B	S	H	ØD
PD1 XPD1	M6 (1/4-20 UNC)	87 (3.43")	40 (1.57")	40 (1.57")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD2 XPD2	M6 (1/4-20 UNC)	76 (3")	20 (.79")	38 (1.49")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD3 XPD3	M6 (1/4-20 UNC)	88 (3.46")	26 (1.02")	44 (1.73")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD4 XPD4	M6 (1/4-20 UNC)	102 (4.02")	33 (1.30")	51 (2")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD5 XPD5	M6 (1/4-20 UNC)	120 (4.72")	40 (1.57")	60 (2.36")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD6 XPD6	M6 (1/4-20 UNC)	150 (5.90")	52 (2.05")	75 (2.95")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")
PD7 XPD7	M6 (1/4-20 UNC)	180 (7.08")	66 (2.60")	90 (3.54")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")

PM MULTIPLE WELD PLATE



Code PM (Carbon Steel S 235 JR)
 Code XPM (Stainless Steel AISI 316L)

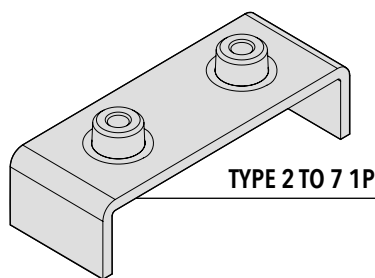
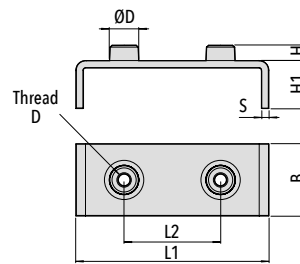


Code	Thread D	Nr. of Clamps	L1	L2	L3	B	S	H	ØD
PM1 XPM1	M6 (1/4-20 UNC)	10	310 (12.28")	31 (1.22")	31 (1.22")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM2 XPM2	M6 (1/4-20 UNC)	10	380 (14.96")	20 (.79")	38 (1.49")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM3 XPM3	M6 (1/4-20 UNC)	10	440 (17.32")	26 (1.02")	44 (1.73")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM4 XPM4	M6 (1/4-20 UNC)	10	520 (20.47")	33 (1.30")	52 (2.05")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM5 XPM5	M6 (1/4-20 UNC)	5	300 (11.81")	40 (1.57")	60 (2.36")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM6 XPM6	M6 (1/4-20 UNC)	5	375 (14.76")	52 (2.05")	75 (2.95")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")
PM7 XPM7	M6 (1/4-20 UNC)	5	450 (17.72")	66 (2.60")	90 (3.54")	30 (1.18")	4 (.16")	6,5 (.26")	12 (.47")



PM C 1P

SINGLE SPACED PLATE



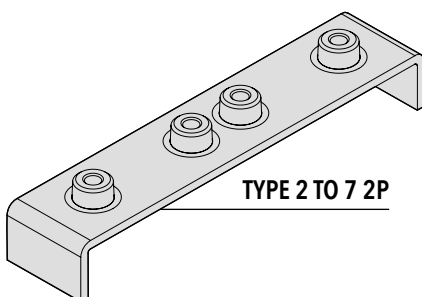
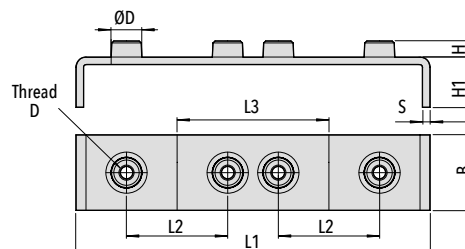
Code **PM C 1P** Carbon Steel S 235 JR)
Code **XPM C 1P** (Stainless Steel AISI 316L)

Code	Thread D	L1	L2	H	H1	B	S	ØD
PM C2 1P XPM C2 1P	M6 (1/4-20 UNC)	60 (2.36")	20 (.79")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C3 1P XPM C3 1P	M6 (1/4-20 UNC)	66 (2.60")	26 (1.02")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C4 1P XPM C4 1P	M6 (1/4-20 UNC)	73 (2.87")	33 (1.30")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C5 1P XPM C5 1P	M6 (1/4-20 UNC)	80 (3.15")	40 (1.57")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C6 1P XPM C6 1P	M6 (1/4-20 UNC)	92 (3.62")	52 (2.05")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C7 1P XPM C7 1P	M6 (1/4-20 UNC)	100 (3.94")	66 (2.60")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")

PM C 2P

MULTIPLE SPACED PLATE

FOR N.2 CLAMPS



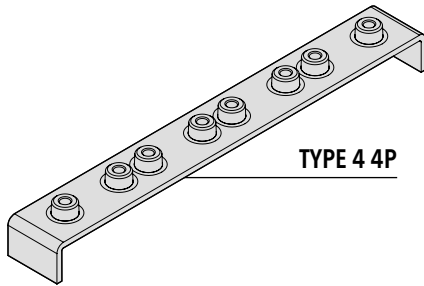
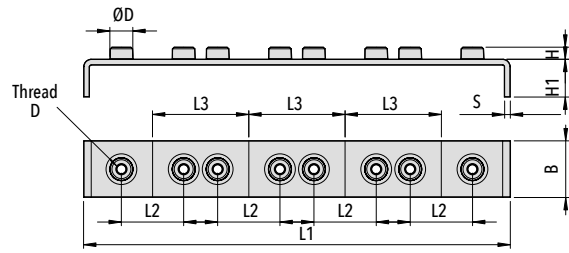
Code **PM C 2P** Carbon Steel S 235 JR)
Code **XPM C 2P** (Stainless Steel AISI 316L)

Code	Thread D	L1	L2	L3	H	H1	B	S	ØD
PM C2 2P XPM C2 2P	M6 (1/4-20 UNC)	98 (3.86")	20 (.79")	38 (1.50")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C3 2P XPM C3 2P	M6 (1/4-20 UNC)	110 (4.33")	26 (1.02")	44 (1.73")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C4 2P XPM C4 2P	M6 (1/4-20 UNC)	124 (4.88")	33 (1.30")	51 (2")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C5 2P XPM C5 2P	M6 (1/4-20 UNC)	140 (5.51")	40 (1.57")	60 (2.36")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C6 2P XPM C6 2P	M6 (1/4-20 UNC)	166 (6.53")	52 (2.05")	75 (2.95")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")
PM C7 2P XPM C7 2P	M6 (1/4-20 UNC)	195 (7.68")	66 (2.60")	90 (3.54")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")



PM C 4P MULTIPLE SPACED PLATE

FOR N.4 CLAMPS

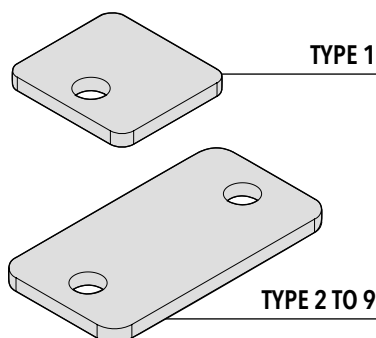
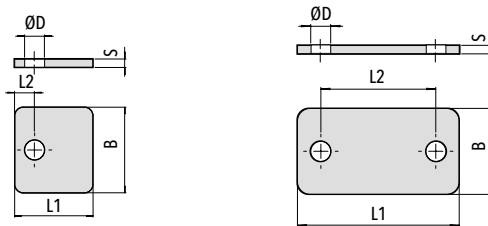


Code	Thread D	L1	L2	L3	H	H1	B	S	ØD
PM C4 4P XPM C4 4P	M6 (1/4-20 UNC)	226 (8.90")	33 (1.30")	51 (2")	6,5 (.26")	20 (.79")	30 (1.18")	3 (.12")	12 (.47")

Code **PM C 4P** Carbon Steel S 235 JR)
 Code **XPM C 4P** (Stainless Steel AISI 316L)



PS UPPER PLATE



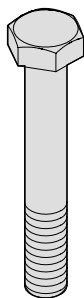
Code PS (Carbon Steel S 235 JR)
Code XPS (Stainless Steel AISI 316L)

Code	L1	L2	B	S	ØD
PS1 XPS1	28 (1.10")	9 (.35")	30 (1.18")	3 (.12")	7 (.28")
PS2 XPS2	34,5 (1.36")	20 (.79")	30 (1.18")	3 (.12")	7 (.28")
PS3 XPS3	40,5 (1.59")	26 (1.02")	30 (1.18")	3 (.12")	7 (.28")
PS4 XPS4	48 (1.89")	33 (1.30")	30 (1.18")	3 (.12")	7 (.28")
PS5 XPS5	56,5 (2.22")	40 (1.57")	30 (1.18")	3 (.12")	7 (.28")
PS6 XPS6	69,5 (2.74")	52 (2.05")	30 (1.18")	3 (.12")	7 (.28")
PS7 XPS7	85,5 (3.36")	66 (2.60")	30 (1.18")	3 (.12")	7 (.28")
PS8 XPS8	118 (4.65")	94 (3.70")	30 (1.18")	5 (.20")	7 (.28")
PS9 XPS9	144 (5.67")	120 (4.72")	30 (1.18")	5 (.20")	7 (.28")

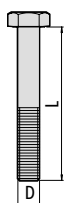
DIN 3015, PART 1
PIPE CLAMPS
STANDARD SERIES

VE HEXAGON HEAD BOLT

ISO 4014 / 4017
FOR USE WITH UPPER PLATE PS



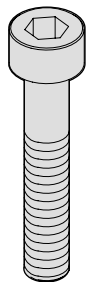
Code VE (Steel 8.8)
Code XVE (Stainless Steel A4)



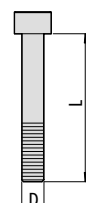
Code	Thread (D x L)
VE1 XVE1	M6x30 (1/4-20 UNCx1.1/4")
VE2 XVE2	M6x30 (1/4-20 UNCx1.1/4")
VE3 XVE3	M6x35 (1/4-20 UNCx1.3/8")
VE4 XVE4	M6x40 (1/4-20 UNCx1.1/2")
VE5 XVE5	M6x45 (1/4-20 UNCx1.7/8")
VE6 XVE6	M6x60 (1/4-20 UNCx2.3/8")
VE7 XVE7	M6x70 (1/4-20 UNCx2.3/4")
VE8 XVE8	M6x100 (1/4-20 UNCx4")
VE9 XVE9	M6x125 (1/4-20 UNCx4.7/8")

TCEI SOCKET CAP SCREW

ISO 4762



Code TCEI (Steel 8.8)
Code XTCEI (Stainless Steel AISI 316L)

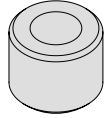
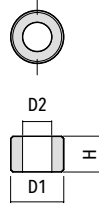


Code	Thread (D x L)
TCEI1 XTCEI1	M6x20 (1/4-20 UNCx3/4")
TCEI2 XTCEI2	M6x20 (1/4-20 UNCx3/4")
TCEI3 XTCEI3	M6x25 (1/4-20 UNCx1")
TCEI4 XTCEI4	M6x30 (1/4-20 UNCx1.1/8")
TCEI5 XTCEI5	M6x35 (1/4-20 UNCx1.3/8")
TCEI6 XTCEI6	M6x50 (1/4-20 UNCx2")
TCEI7 XTCEI7	M6x60 (1/4-20 UNCx2.1/2")
TCEI8 XTCEI8	M6x90 (1/4-20 UNCx3.3/8")
TCEI9 XTCEI9	M6x110 (1/4-20 UNCx4.3/8")



B BUSHING

FOR USE WITH HEXAGON HEAD BOLT **VEB**
 (NO UPPER PLATE)



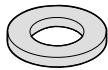
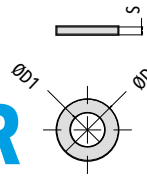
FOR CLAMPS **C1 TO C7**
 AND **AC1 TO AC7**

Code	D1	D2	H
B XB	11,5 (.45")	6,5 (.26")	8 (.31")

Code B (Carbon Steel S 235 JR) - **Code XB** (Stainless Steel AISI 316L)

RP FLAT WASHER

FOR USE WITH SCREW **TCEI / VA**



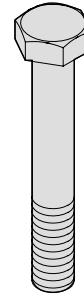
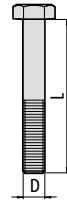
FOR CLAMPS **C1 TO C9**
 AND **AC1 TO AC7**

Code	ØD	ØD1	S
RP XRP	11,5 (.45")	6,3 (.25")	0,8 (.03")

Code RP (Carbon Steel S 235 JR) - **Code XRP** (Stainless Steel AISI 316L)

VEB HEXAGON HEAD BOLT

FOR USE WITH BUSHING **B**



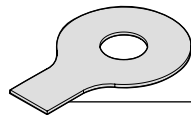
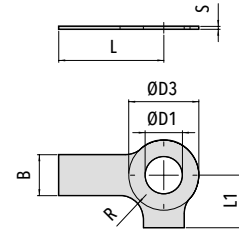
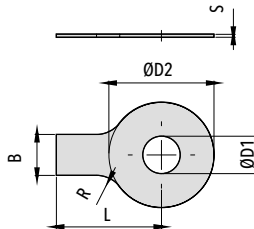
Code VEB (Steel 8.8)

Code XVEB (Stainless Steel A4)

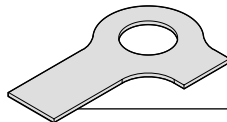
Code	Thread (D x L)
VEB1 XVEB1	M6x27 (1/4-20 UNCx1.1/8")
VEB2 XVEB2	M6x27 (1/4-20 UNCx1.1/8")
VEB3 XVEB3	M6x32 (1/4-20 UNCx1.3/8")
VEB4 XVEB4	M6x35 (1/4-20 UNCx1.3/8")
VEB5 XVEB5	M6x42 (1/4-20 UNCx1.5/8")
VEB6 XVEB6	M6x57 (1/4-20 UNCx2.3/8")
VEB7 XVEB7	M6x65 (1/4-20 UNCx2.3/4")

RS / RSL SAFETY WASHER

FOR USE WITH HEXAGON HEAD BOLT
VE / VEB



RS/XRS
DIN 93



RSL/XRSL
DIN 463

FOR CLAMPS **C1 TO C9**
 AND **AC1 TO AC7**

Code RS 6,4 DIN 93 (Carbon Steel S 235 JR)

Code XRS 6,4 DIN 93 (Stainless Steel A4)

Code RSL 6,4 DIN 463 (Carbon Steel S 235 JR)

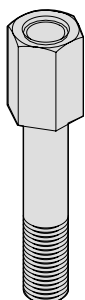
Code XRSL 6,4 DIN 463 (Stainless Steel A4)

Code	ØD1	B	ØD2	ØD3	L	L1	R	S
RS XRS	6,4 (.25")	7 (.28")	19 (.75")	12 (.47")	18 (.71")	9 (.35")	4 (.16")	0,5 (.02")
RSL XRSL								

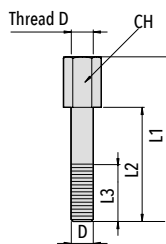


VA HIGH HEXAGON HEAD BOLT

FOR STACKED CLAMPS



Code VA (Carbon Steel S 235 JR)
Code XVA (Stainless Steel AISI 316L)

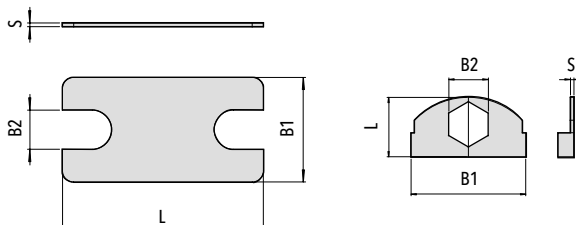
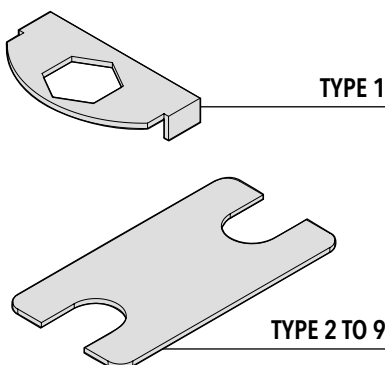


Code	Thread D	L1	L2	L3	CH
VA1 XVA1	M6 (1/4-20 UNC)	34 (1.34")	20 (.79")	14 (.55")	11 (.43")
VA2 XVA2	M6 (1/4-20 UNC)	34 (1.34")	20 (.79")	14 (.55")	11 (.43")
VA3 XVA3	M6 (1/4-20 UNC)	39 (1.53")	25 (.98")	14 (.55")	11 (.43")
VA4 XVA4	M6 (1/4-20 UNC)	43 (1.70")	29 (1.14")	14 (.55")	11 (.43")
VA5 XVA5	M6 (1/4-20 UNC)	49 (1.93")	35 (1.38")	14 (.55")	11 (.43")
VA6 XVA6	M6 (1/4-20 UNC)	64 (2.52")	50 (1.97")	14 (.55")	11 (.43")
VA7 XVA7	M6 (1/4-20 UNC)	73 (2.87")	59 (2.32")	14 (.55")	11 (.43")
VA8 XVA8	M6 (1/4-20 UNC)	99 (3.90")	85 (3.35")	14 (.55")	11 (.43")
VA9 XVA9	M6 (1/4-20 UNC)	124 (4.88")	110 (4.33")	14 (.55")	11 (.43")

STANDARD SERIES
 PIPE CLAMPS
 DIN 3015, PART 1

PB LOCKING PLATE

FOR STACKED CLAMPS



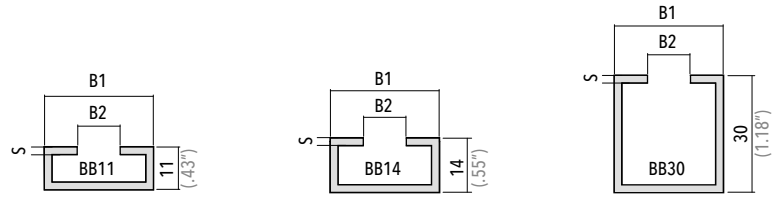
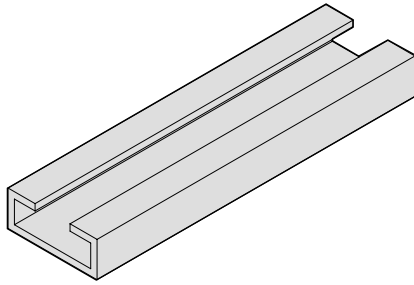
Code	L	B1	B2	S
PB1 XPB1	17 (.67")	32 (1.26")	11,2 (.44")	1 (.04")
PB2 XPB2	33 (1.30")	28 (1.10")	11,2 (.44")	1 (.04")
PB3 XPB3	39 (1.54")	28 (1.10")	11,2 (.44")	1 (.04")
PB4 XPB4	47 (1.85")	28 (1.10")	11,2 (.44")	1 (.04")
PB5 XPB5	54 (2.12")	28 (1.10")	11,2 (.44")	1 (.04")
PB6 XPB6	66 (2.60")	28 (1.10")	11,2 (.44")	1 (.04")
PB7 XPB7	80,3 (3.16")	28 (1.10")	11,2 (.44")	1 (.04")
PB8 XPB8	117 (4.61")	28 (1.10")	11,2 (.44")	1 (.04")
PB9 XPB9	143 (5.63")	28 (1.10")	11,2 (.44")	1 (.04")

Code PB (Carbon Steel S 235 JR)
Code XPB (Stainless Steel AISI 316L)



BB MOUNTING RAIL

AVAILABLE HEIGHTS 11 / 14 / 30 mm
 AVAILABLE LENGTH 2 m

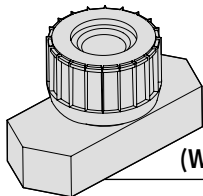
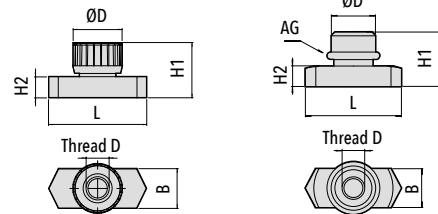


Code	B1	B2	S
BB XBB	28 (1.10")	11 (.43")	2 (.08")

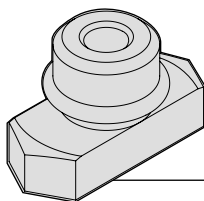
Code BB (Steel DX51D)
Code XBB (Stainless Steel AISI 316L)

28

DF+AG / DF-C RAIL NUT WITH RUBBER RING



DF-C
 (WITH RUBBER CAP)



DF+AG

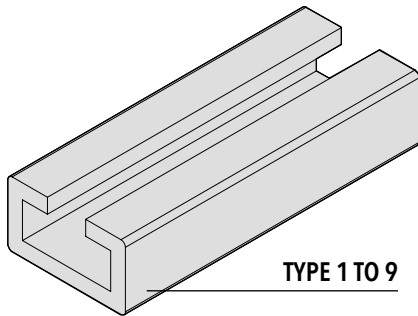
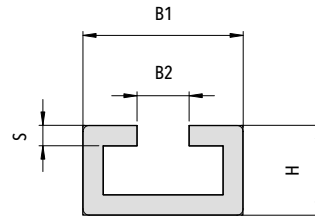
Code	Thread D	L	B	H1	H2	ØD	AG
DF/DF-C XDF	M6 (1/4-20 UNC)	25,5 (1")	10,4 (.41")	14,5 (.57")	5,5 (.22")	11,8 (.46")	10x2,2 (.39"x.08")

Code DF / DF-C (Steel C20)
Code XDF (Stainless Steel AISI 316L)



BB P MOUNTING HEAVY RAIL

AVAILABLE LENGTHS 1 m / 2 m



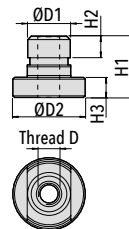
Code	B1	B2	H	S
BB P XBB P	40 (1.57")	13 (.51")	22 (.86")	5 (.19")

Code **BB P** (Carbon Steel S 235 JR)
Code **XBB P** (Stainless Steel AISI 316L)

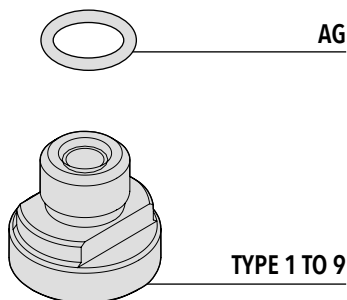
STANDARD SERIES
 PIPE CLAMPS
 DIN 3015, PART 1

DF PS+AG RAIL NUT WITH RUBBER RING

FOR MOUNTING HEAVY RAIL



29



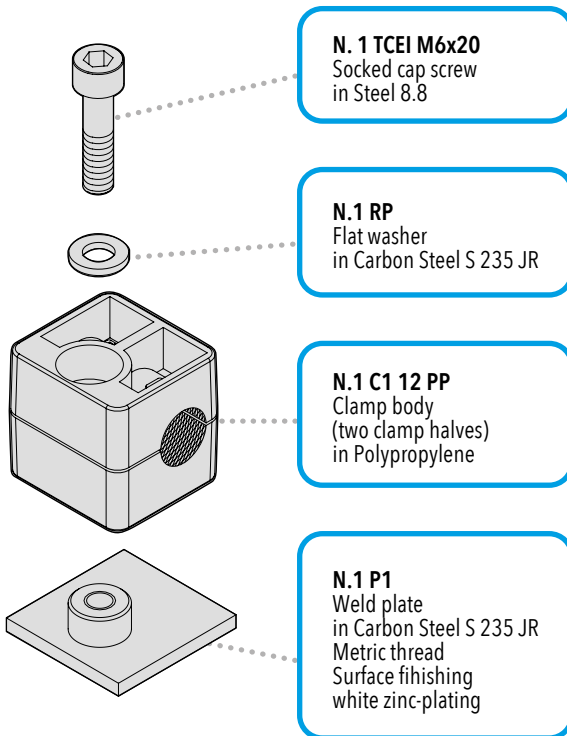
Code	ØD1	ØD2	H1	H2	H3	Thread D	AG
DF PS XDF PS + AG	11,8 (.46")	20 (.79")	17 (.67")	6 (.24")	5,6 (.22")	M6 (1/4-20 UNC)	10x2,2 (.39"x.08")

Code **DF PS** (Carbon Steel S 235 JR)
Code **XDF PS** (Stainless Steel AISI 316L)



MOUNTING EXAMPLE 01

Complete clamp C1 type in Polypropylene for pipe with outside diameter of 12 mm with single weld plate.



N. 1 TCEI M6x20
 Socked cap screw
 in Steel 8.8

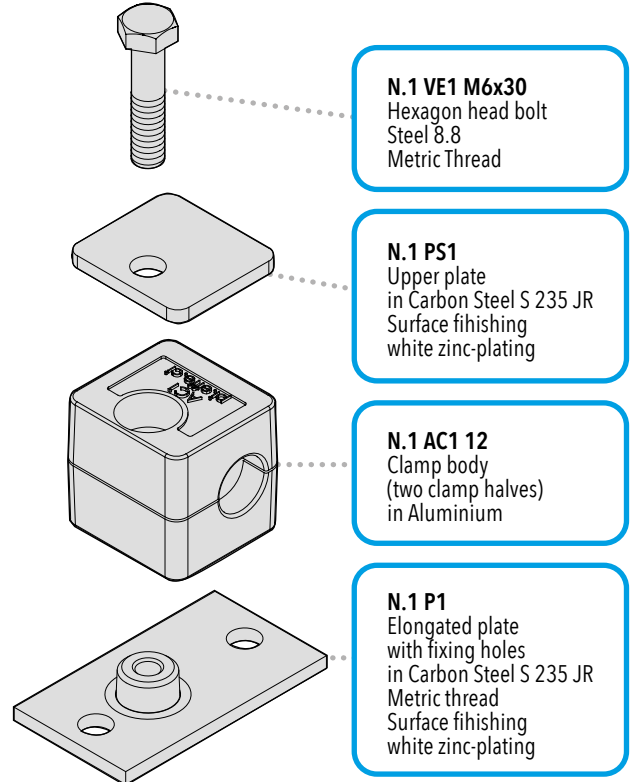
N.1 RP
 Flat washer
 in Carbon Steel S 235 JR

N.1 C1 12 PP
 Clamp body
 (two clamp halves)
 in Polypropylene

N.1 P1
 Weld plate
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating

MOUNTING EXAMPLE 02

Complete Aluminium clamp AC1 type for pipe with outside diameter of 12 mm with elongated plate with fixing holes and upper plate.



N.1 VE1 M6x30
 Hexagon head bolt
 Steel 8.8
 Metric Thread

N.1 PS1
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

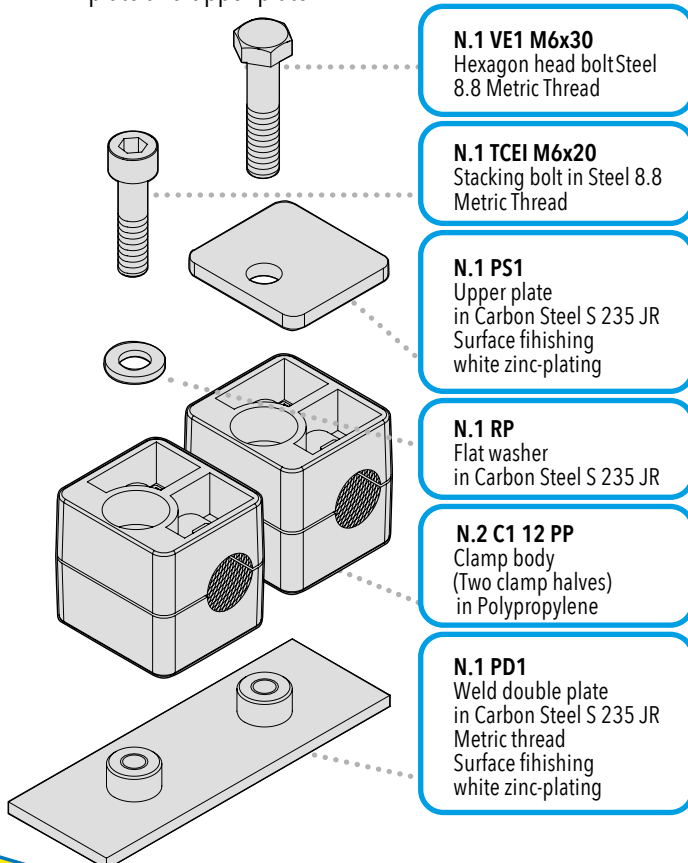
N.1 AC1 12
 Clamp body
 (two clamp halves)
 in Aluminium

N.1 P1
 Elongated plate
 with fixing holes
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating

30

MOUNTING EXAMPLE 03

Complete clamp C1 type side by side in Polypropylene for pipe with outside diameter of 12 mm, with double weld plate and upper plate.



N.1 VE1 M6x30
 Hexagon head bolt Steel
 8.8 Metric Thread

N.1 TCEI M6x20
 Stacking bolt in Steel 8.8
 Metric Thread

N.1 PS1
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

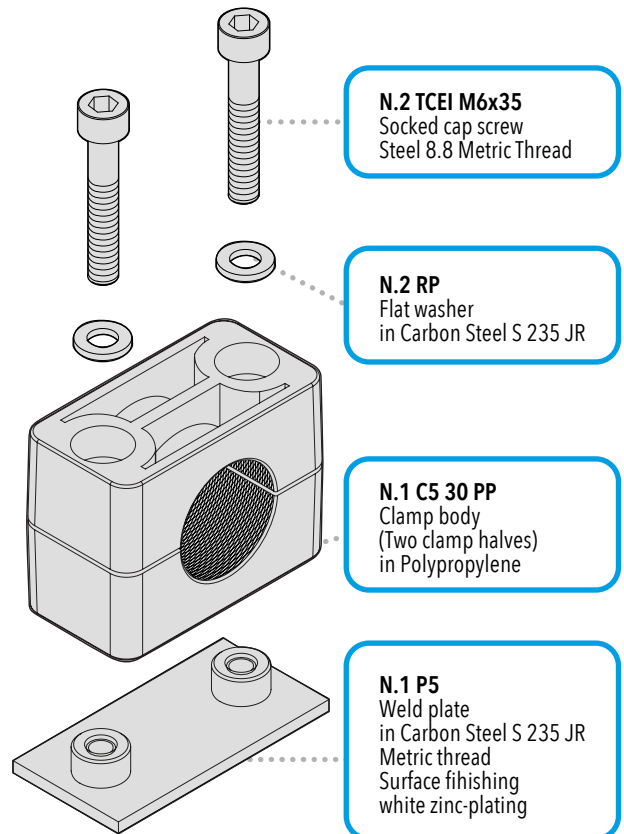
N.1 RP
 Flat washer
 in Carbon Steel S 235 JR

N.2 C1 12 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 PD1
 Weld double plate
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating

MOUNTING EXAMPLE 04

Complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, with single weld plate.



N.2 TCEI M6x35
 Socked cap screw
 Steel 8.8 Metric Thread

N.2 RP
 Flat washer
 in Carbon Steel S 235 JR

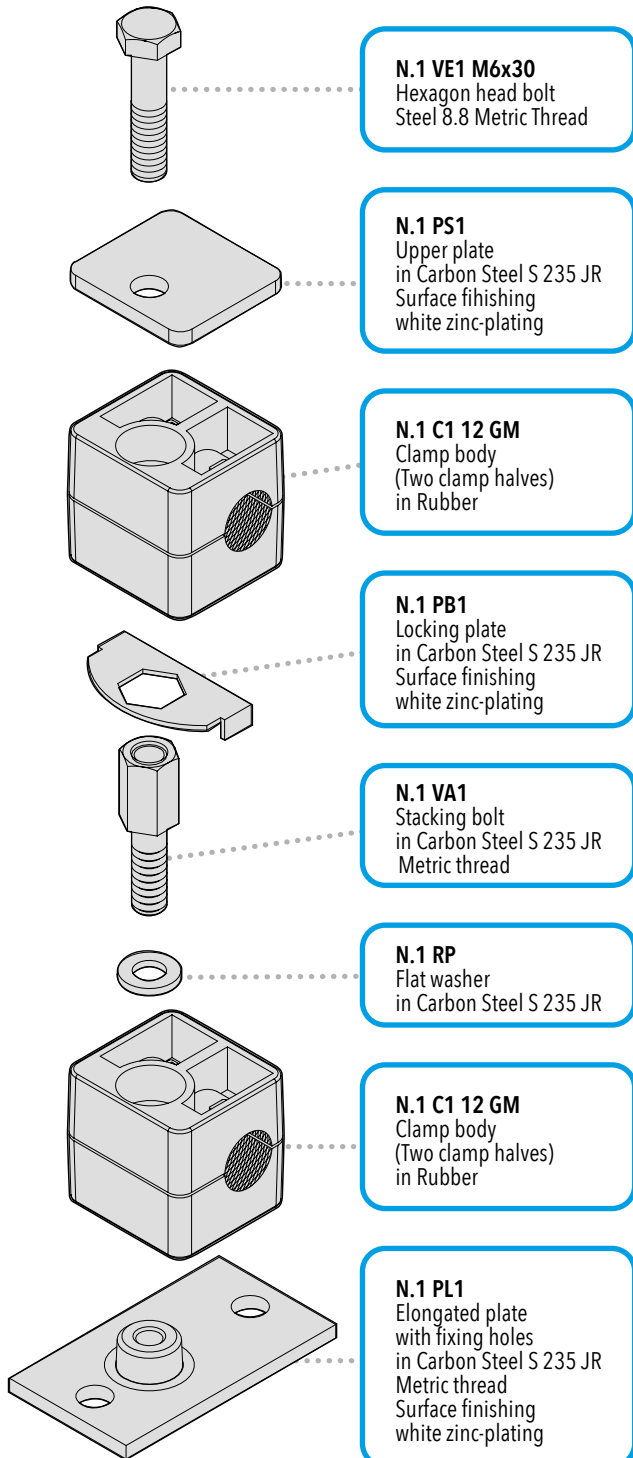
N.1 C5 30 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 P5
 Weld plate
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating



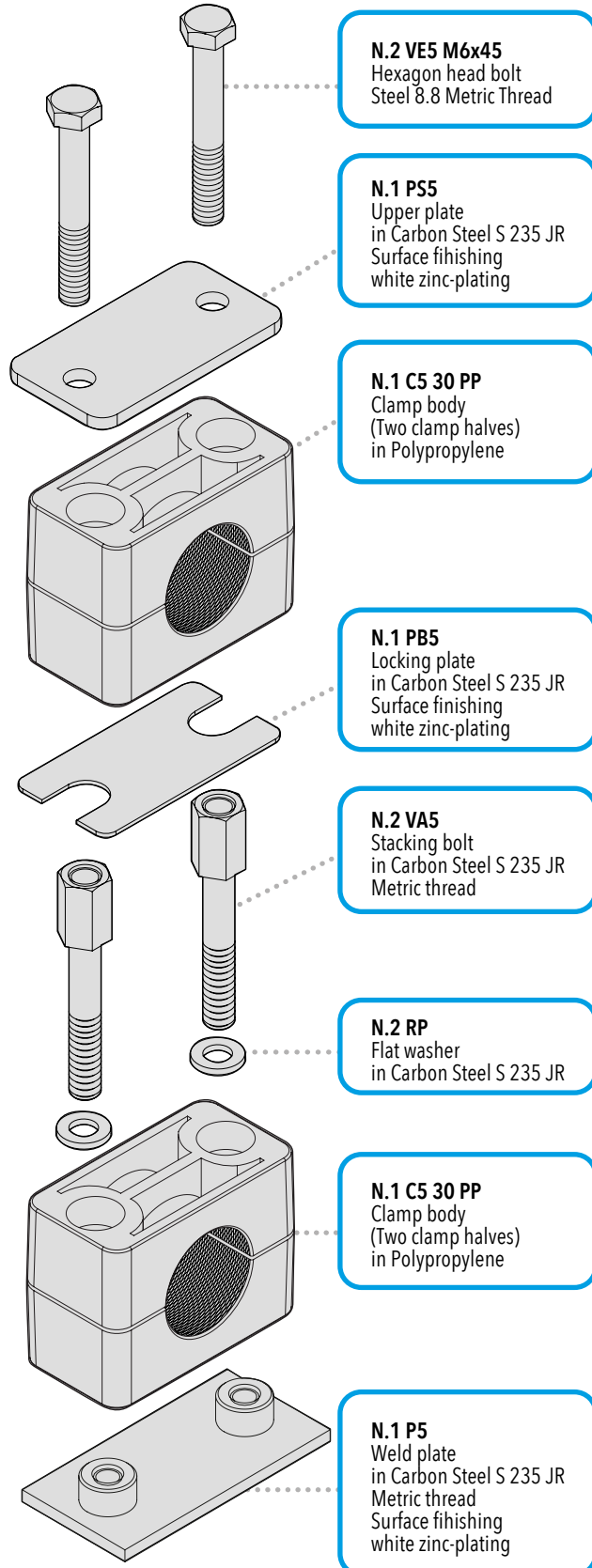
MOUNTING EXAMPLE 05

Complete stacked clamp C1 in Rubber for pipe with outside diameter of 12 mm, elongated plate with fixing holes and upper plate.



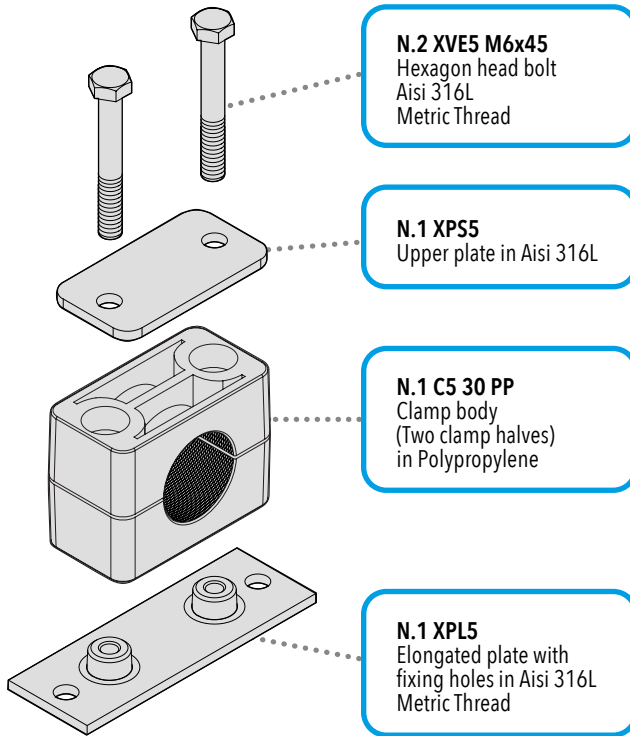
MOUNTING EXAMPLE 06

Complete stacked clamp C5 in Polypropylene for pipe with outside diameter of 30mm single weld plate and upper plate.

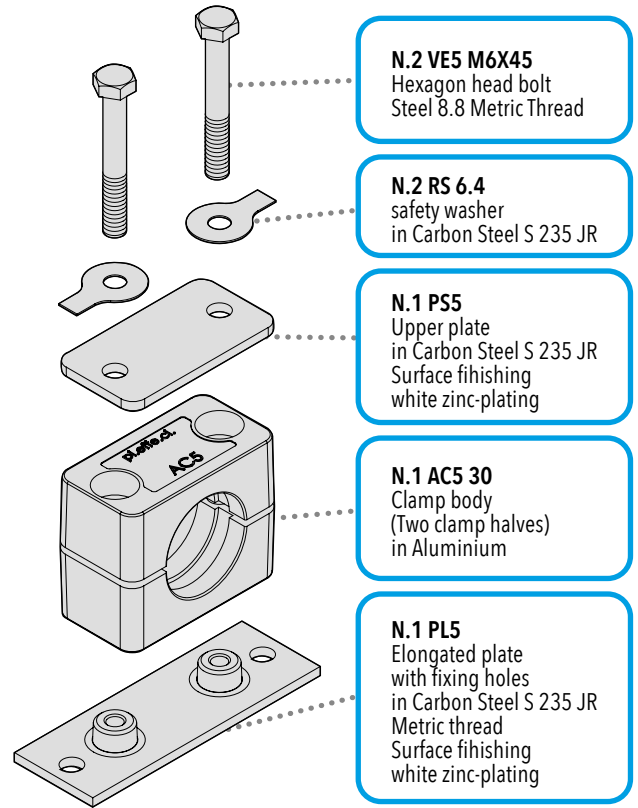


**MOUNTING EXAMPLE 07**

Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, elongated plate with fixing holes and upper plate.

**MOUNTING EXAMPLE 08**

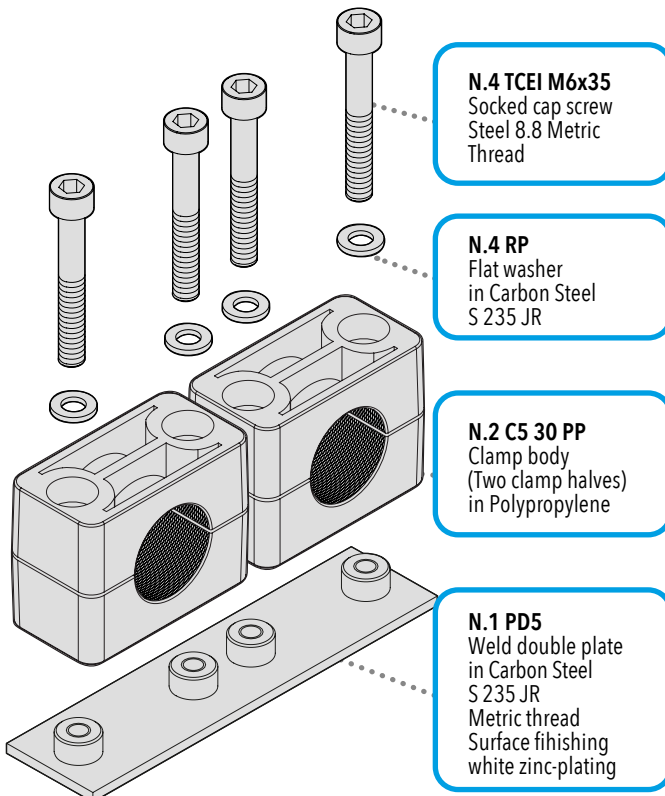
Mounting Example of complete clamp C5 in Aluminium for pipe with outside diameter of 30 mm, elongated plate with fixing holes and upper plate.



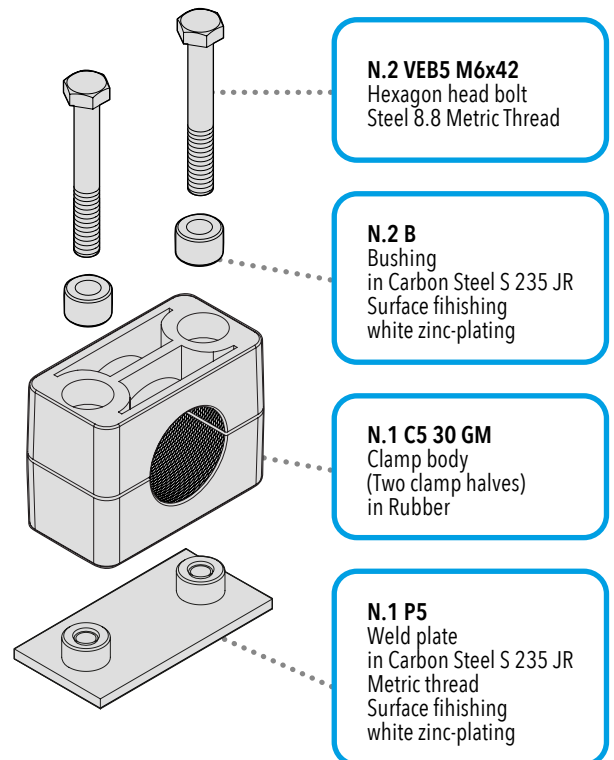
32

MOUNTING EXAMPLE 09

Mounting Example of complete clamp C5 type side by side in Polypropylene for pipe with outside diameter of 30 mm, with double weld plate.

**MOUNTING EXAMPLE 10**

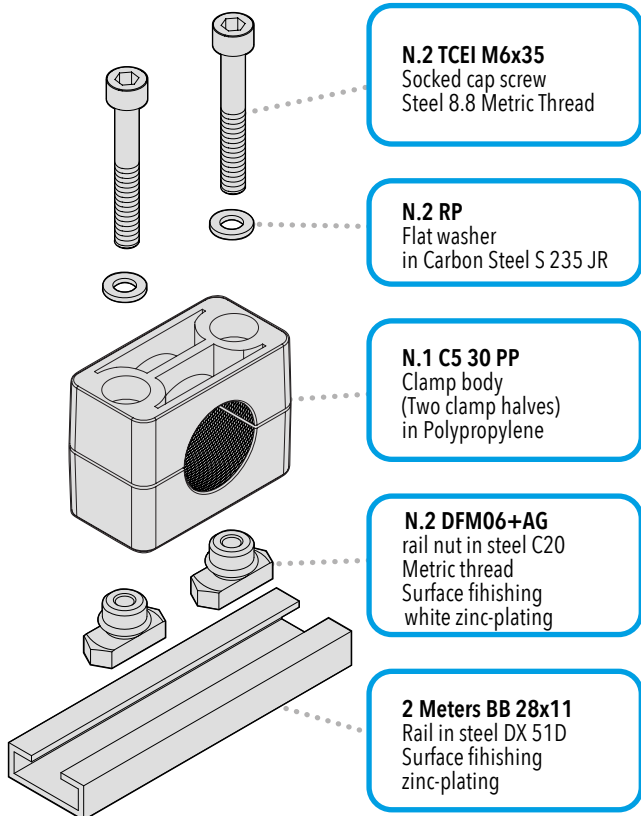
Mounting Example of complete clamp C5 in Rubber for pipe with outside diameter of 30mm, with single weld plate with bushing.





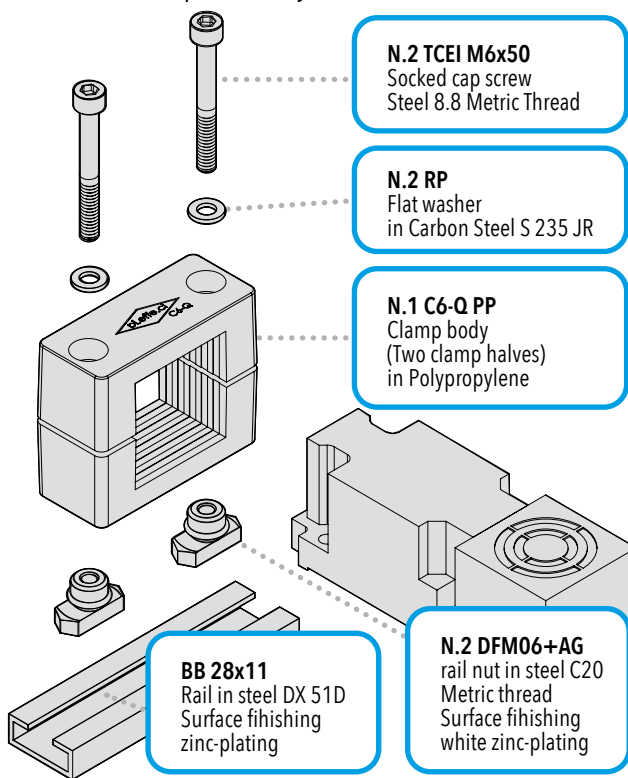
MOUNTING EXAMPLE 11

Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, mounting rail nut.



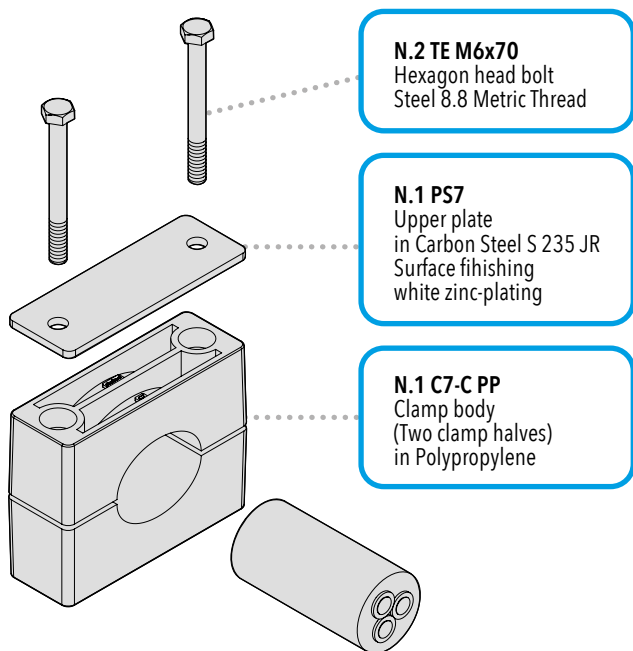
MOUNTING EXAMPLE 12

Proximity switches Rectangular type. Mounting clamp type C6Q and accessories standard series. We recommend the use of the rail for the axial and horizontal position adjustment.



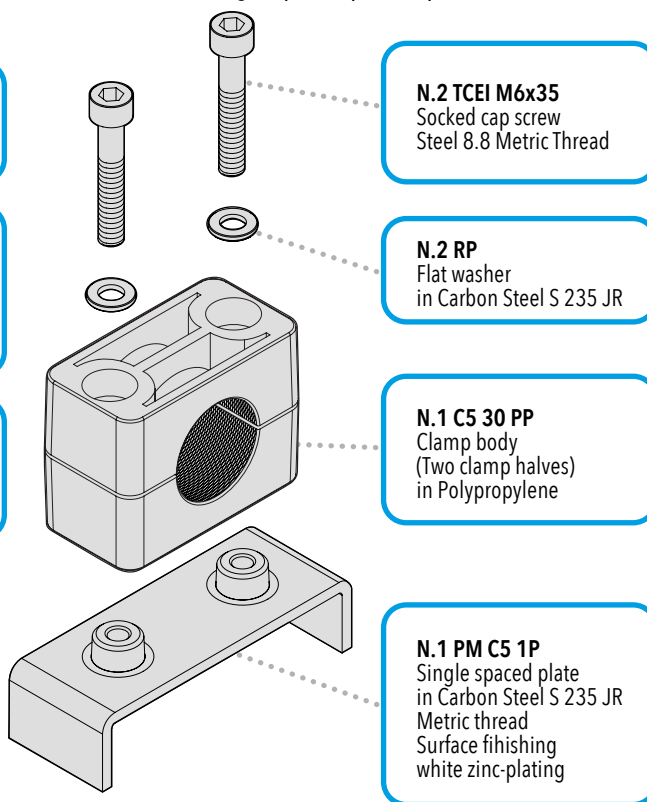
MOUNTING EXAMPLE 13

Clamps with oval hole for fixing electric cables. Clamp type C7 for the standard series for cable diameters between 20 and 50 mm.



MOUNTING EXAMPLE 14

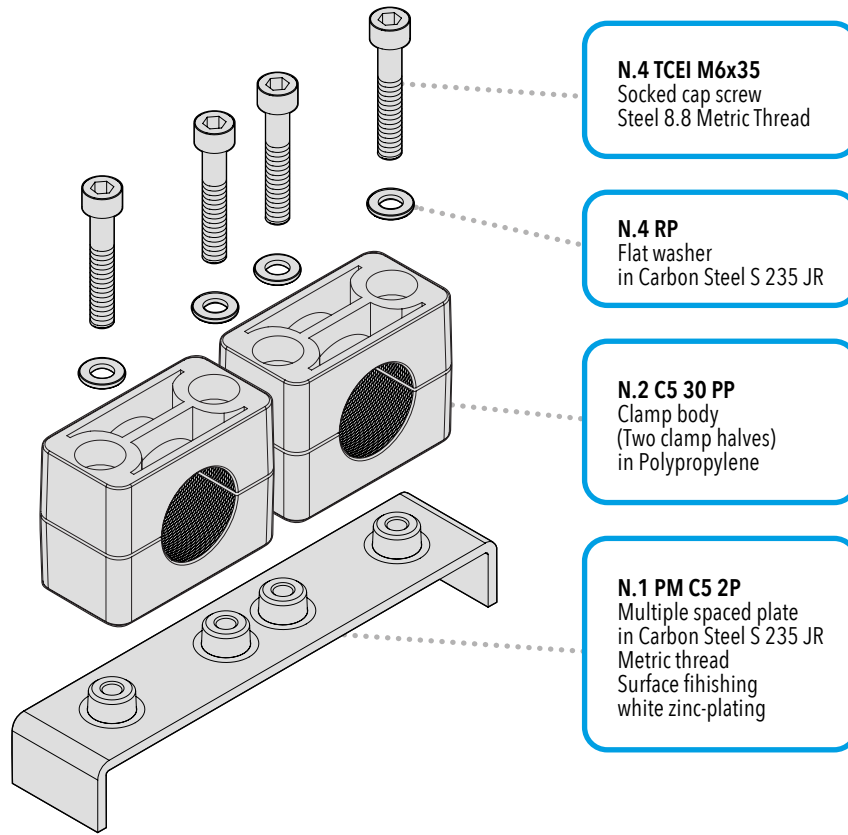
Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, with single spaced plate 1 position.





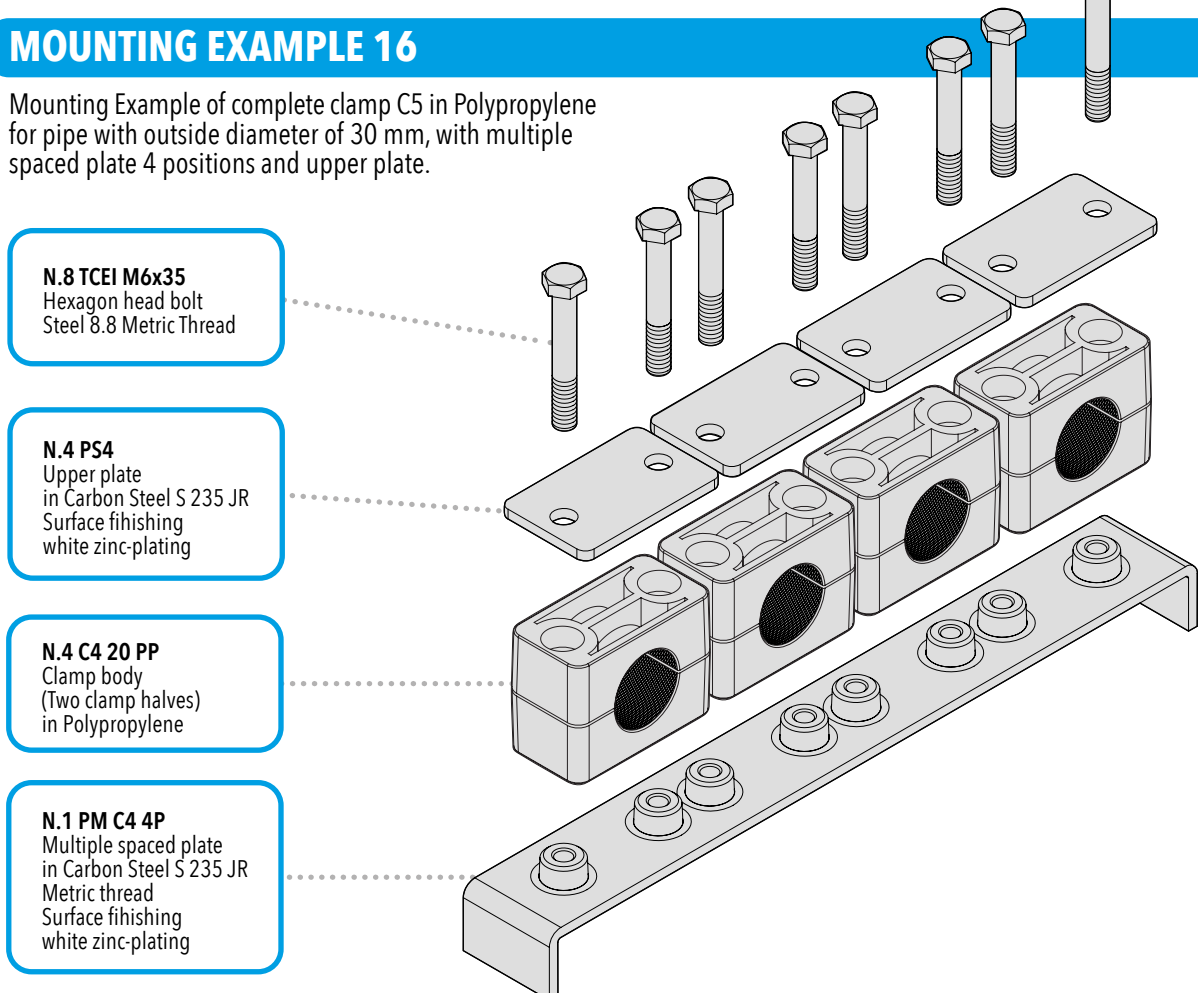
MOUNTING EXAMPLE 15

Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, with multiple spaced plate 2 positions.



MOUNTING EXAMPLE 16

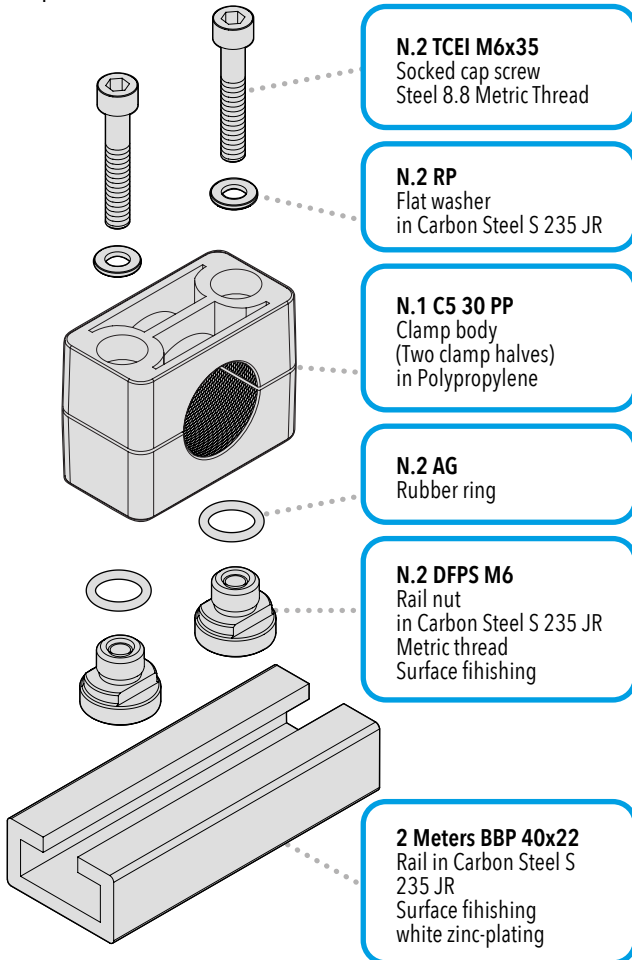
Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, with multiple spaced plate 4 positions and upper plate.





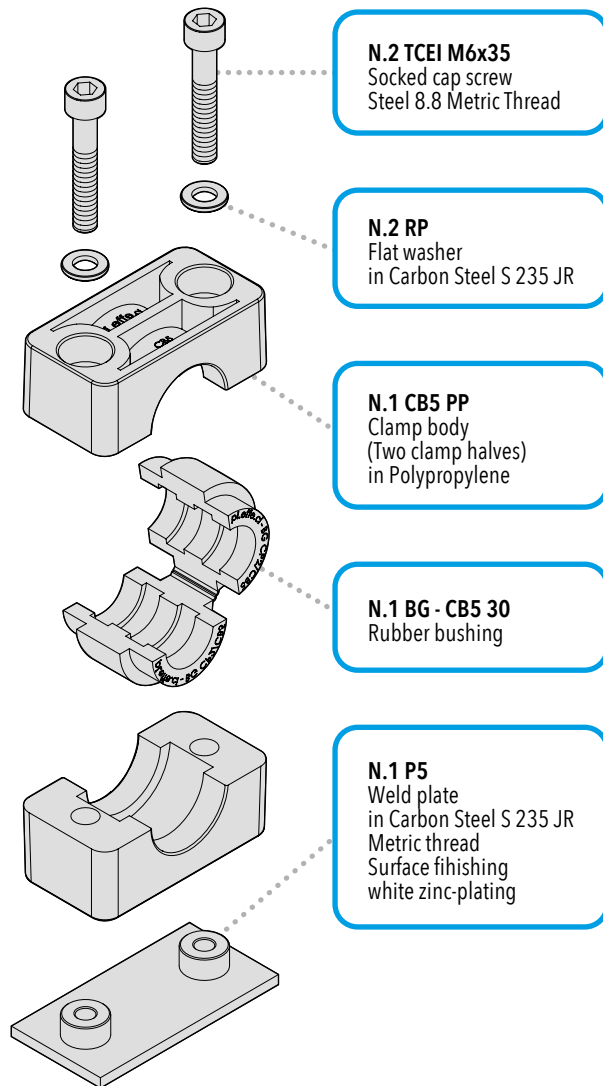
MOUNTING EXAMPLE 17

Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, mounting special rail nut.



MOUNTING EXAMPLE 18

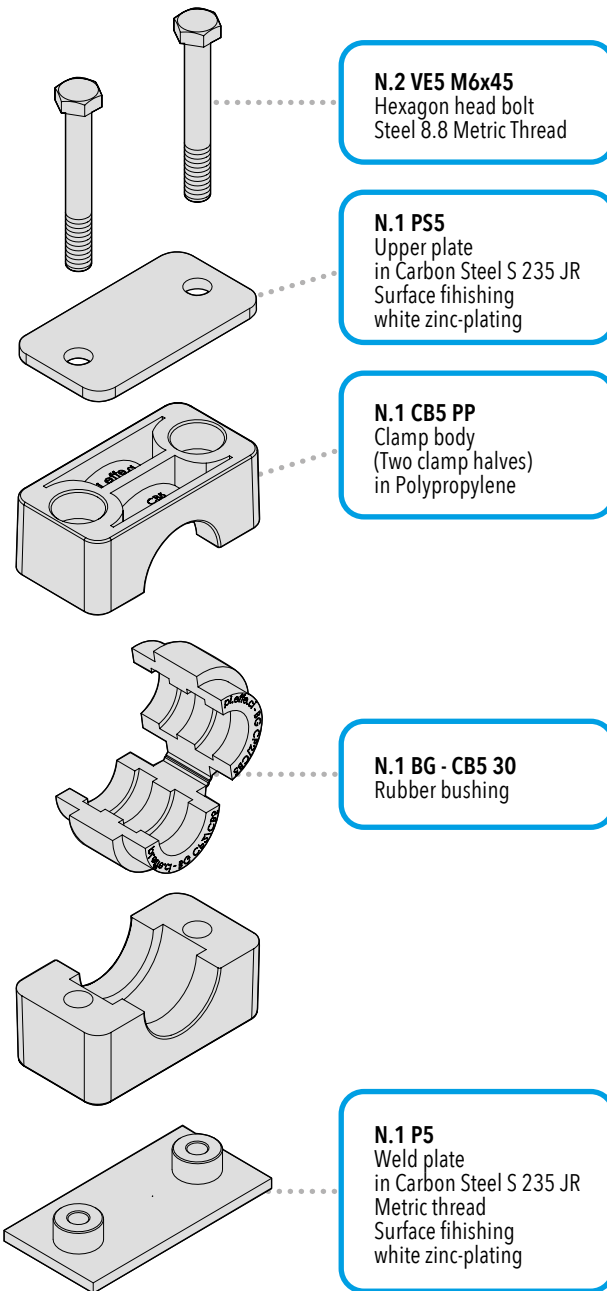
Mounting Example of complete clamp CB5 in Polypropylene with rubber bushing for pipe with outside diameter of 30 mm, single weld plate..





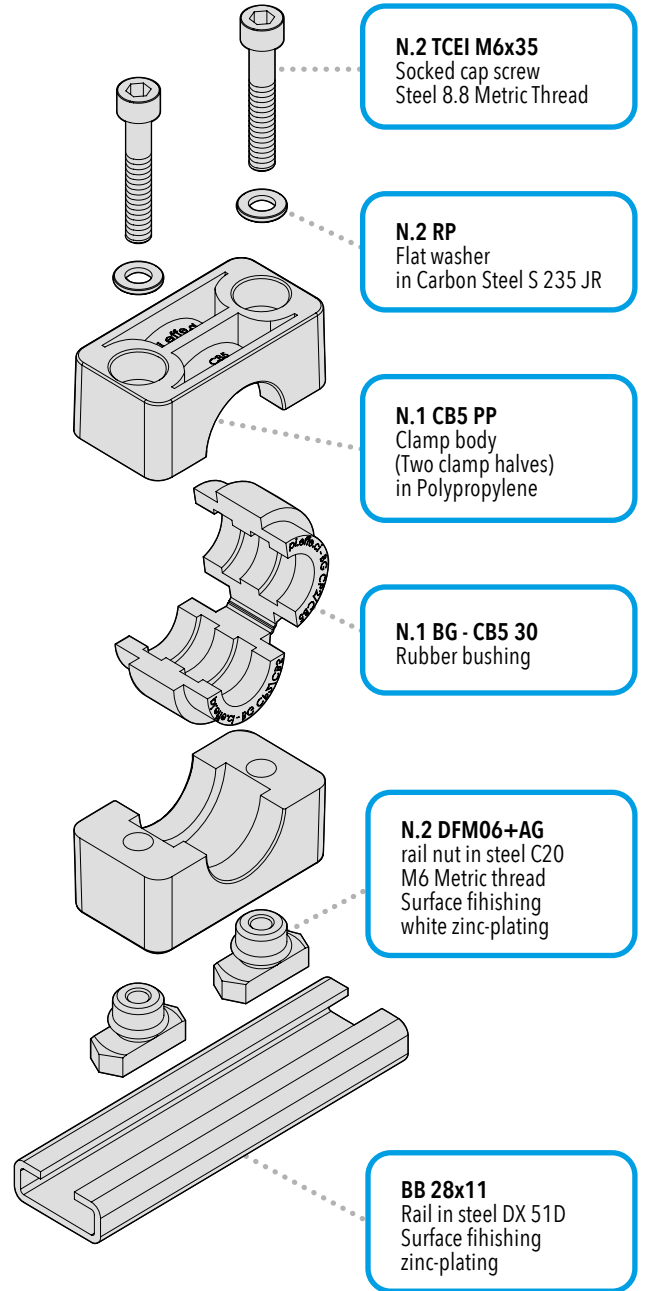
MOUNTING EXAMPLE 19

Mounting Example of complete clamp CB5 in Polypropylene with rubber bushing for pipe with outside diameter of 30 mm, single weld plate and upper plate



MOUNTING EXAMPLE 20

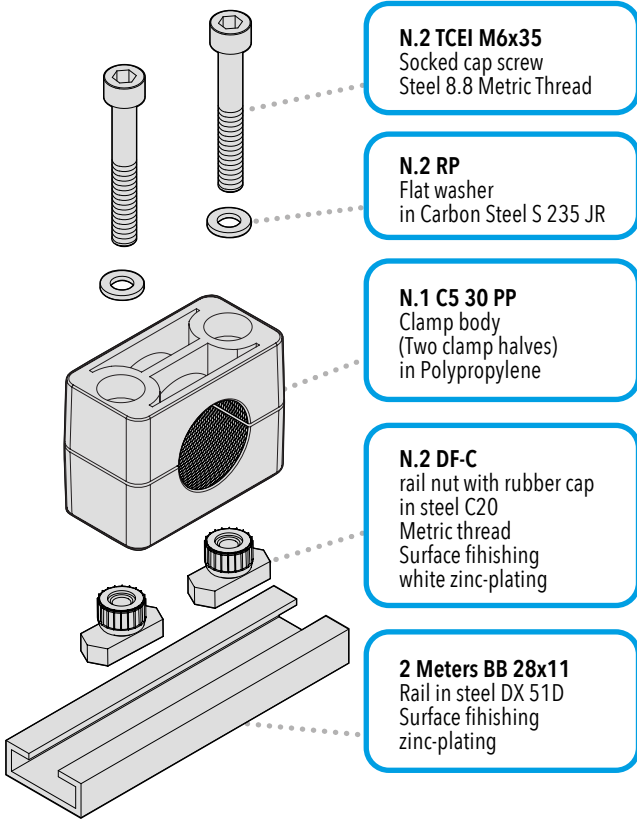
Mounting Example of complete clamp CB5 in Polypropylene with rubber bushing for pipe with outside diameter of 30 mm, mounting rail 28x11 mm.





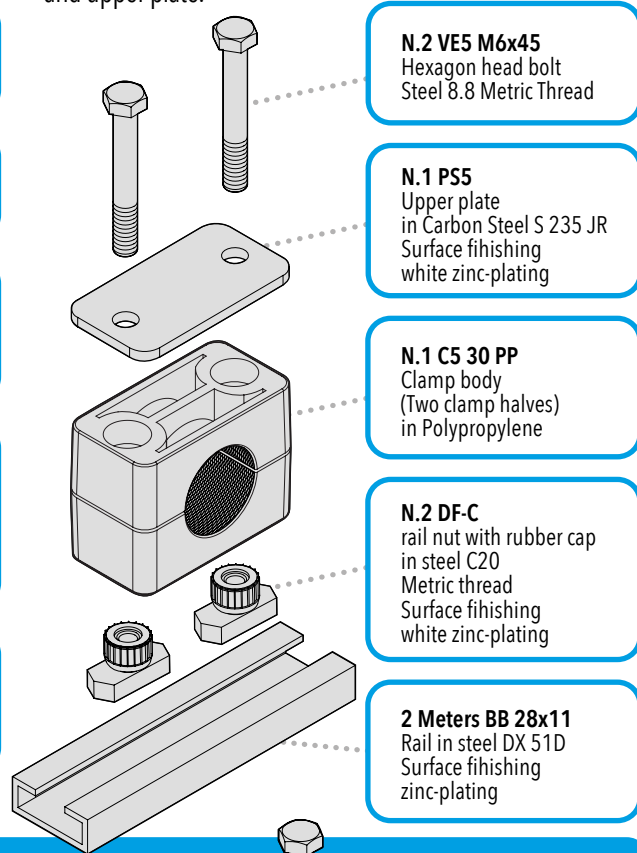
MOUNTING EXAMPLE 21

Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, mounting rail nut.



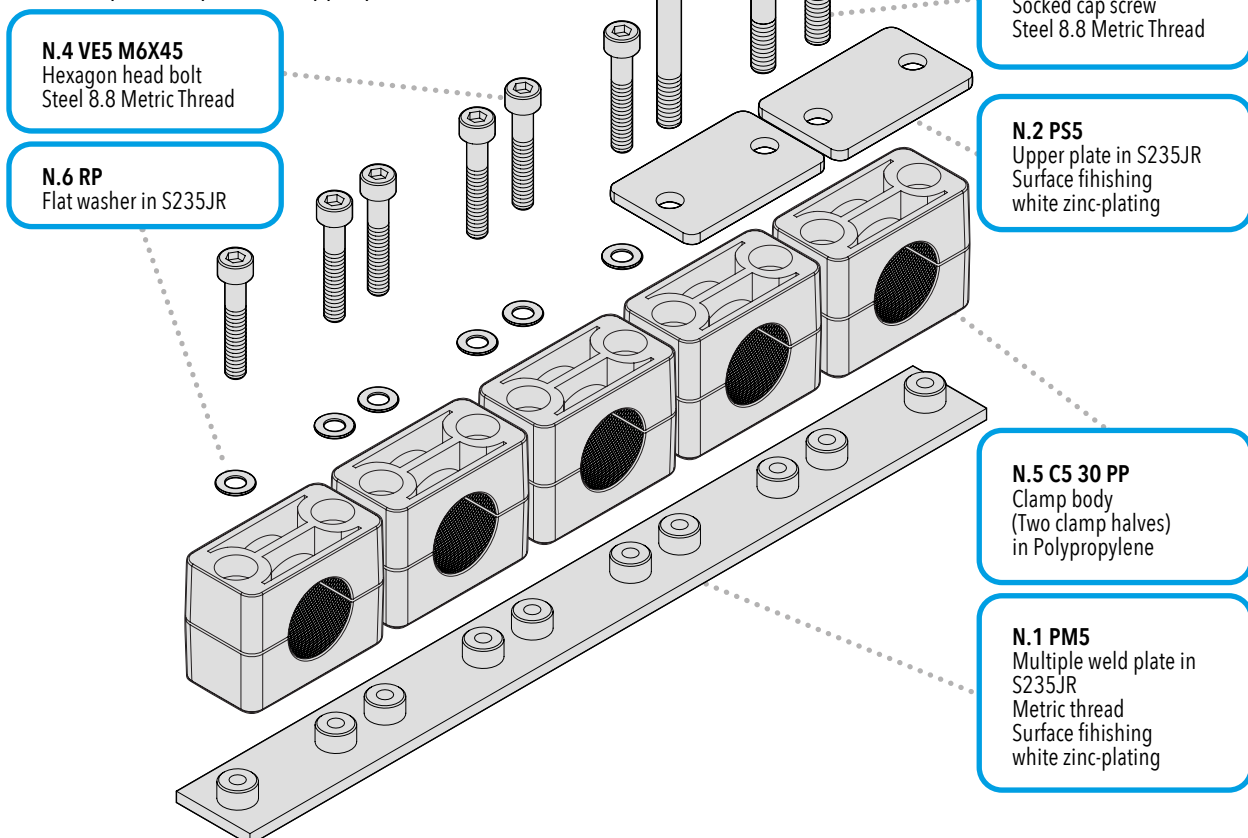
MOUNTING EXAMPLE 22

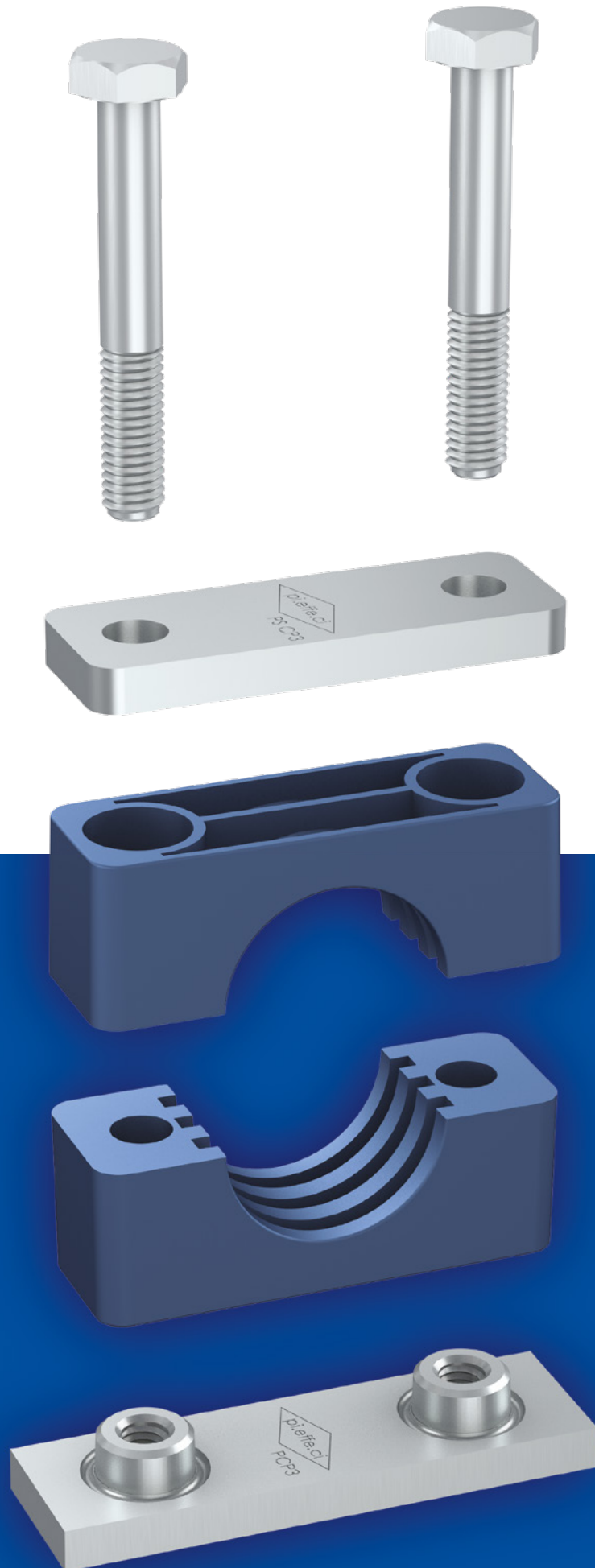
Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30 mm, mounting rail nut and upper plate.



MOUNTING EXAMPLE 23

Mounting Example of complete clamp C5 type side by side in Polypropylene for pipe with outside diameter of 30 mm, with multiple weld plate and upper plate.







PIPE CLAMPS HEAVY SERIES

DIN 3015, PART 2

PIPE CLAMPS
HEAVY SERIES

39

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Rubber Elastomer (for CP1-CP6 only)
Colour **Black**
Code **GM**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**



Aluminium
Colour **Natural**
Code **AL**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

Clamp body internal surface:
smooth (CP1L to CP4 L)
profiled (CP1 to CP10)

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 275 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with X identification code.

The **BBP** track is treated with zinc-coating Fe Zn c8 II.

Metric thread: code **M**
UNC thread: code **UNC**.

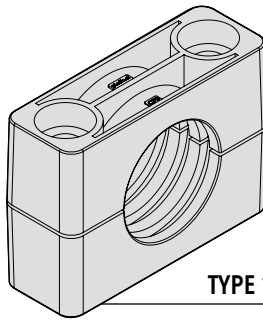
For Material Characteristics, see Technical Appendix (page 147).





CP CLAMP BODY

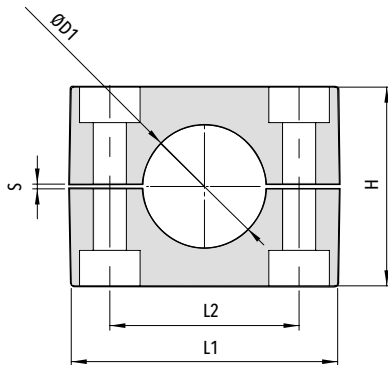
TWO CLAMP HALVES



TYPE 1 TO 10

40

Code **CP** (Material PP - PA - GM - AU)
 Code **AL CP** (Material AL).



ORDER CODE

CLAMP BODY CODE	OUTSIDE DIAMETER (mm)	MATERIAL
-----------------	-----------------------	----------

EXAMPLE

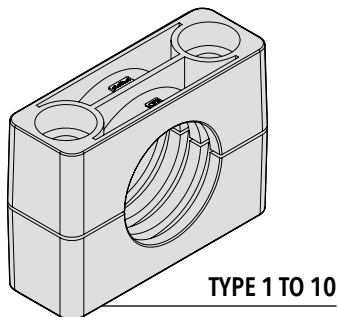
Clamp body type: 4
 Material: PP
 Outside diameter: 25 mm
 Order code: **CP4 - 25 - PP**

Code	Outside Diameter ØD1		L1	L2	H	S	Width
	mm	nominal bore pipe in					
	6						
	6,4	1/4"					
	8	5/16"					
	9,5	3/8"					
	10	1/8"					
	12						
	12,7	1/2"					
CP1 AL CP1	13,5	1/4"	56 (2.20")	33 (1.30")	33 (1.30")	1 (.04")	30 (1.18")
	14						
	15						
	16	5/8"					
	17,2	3/8"					
	18						
	19	3/4"					
	20						
	19	3/4"					
	20						
	21,3	1/2"					
CP2 AL CP2	22	7/8"	70 (2.76")	45 (1.77")	49 (1.93")	1 (.04")	30 (1.18")
	25						
	25,4	1"					
	26,9	3/4"					
	28						
	30						
	30						
	32	1.1/4"					
	33,7	1"					
	35						
	36		85 (3.35")	60 (2.36")	60 (2.36")	1,2 (.05")	30 (1.18")
CP3 AL CP3	38	1.1/2"					
	40						
	42,4	1.1/4"					
	43						
	44,5	1.3/4"					
	45						
	33,7	1"					
	38	1.1/2"					
	40						
	42,4	1.1/4"					
	44,5	1.3/4"					
	45						
	48,3	1.1/2"					
	50						
CP4 AL CP4	50,8	2"	116 (4.56")	90 (3.54")	88 (3.46")	2 (.08")	45 (1.77")
	53						
	54	1.3/4"					
	55						
	56						
	57,2	2.1/4"					
	60,3	2"					
	61,5						
	63,5	2.1/2"					
	65						
	70	2.3/4"					

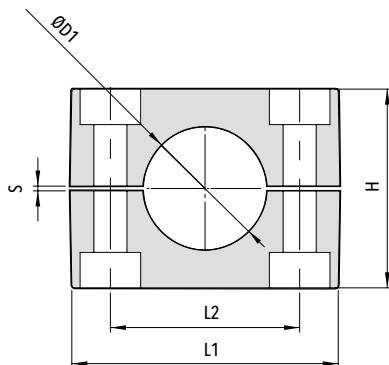


CP CLAMP BODY

TWO CLAMP HALVES



Code CP (Material PP - PA - GM - AU)
Code AL CP (Material AL).



Code	Outside Diameter ØD1		L1	L2	H	S	Width	
	mm	nominal bore pipe in						
	60,3	2"						
	65							
	66	2.1/4"						
	70	2.3/4"						
	73							
CP5 AL CP5	76,1	2.1/2"	3"	155 (6.10")	122 (4.80")	118 (4.65")	2 (.08")	60 (2.36")
	80							
	82,5	3.1/4"						
	85							
	88,9	3"	3.1/2"					
	90							
	88,9	3"	3.1/2"					
	100							
	101,6		4"					
	102	3.1/2"						
	108	4.1/4"						
CP6 AL CP6	110			206 (8.11")	168 (6.61")	165 (6.50")	3 (.12")	80 (3.15")
	114,3	4"	4.1/2"					
	121							
	126,5	4.1/2"						
	127	5"						
	133	5.1/4"						
	127	5"						
	133	5.1/4"						
	140	5"						
	146							
	150			255 (10.04")	205 (8.07")	200 (7.87")	4 (.16")	90 (3.54")
CP7 AL CP7	152	6"						
	154							
	159	6.1/4"						
	165	6.1/2"						
	168	6"						
	168	6"						
	177,8	7"						
	193,7	7.5/8"		320 (12.60")	265 (10.43")	270 (10.63")	4 (.16")	120 (4.72")
CP8 AL CP8	203	8"						
	216	8.1/2"						
	219	8"						
	219	8"						
	273	10"		470 (18.50")	395 (15.55")	410 (16.14")	10 (.4")	160 (6.3")
CP9 AL CP9	324	12"						
	356	14"		640 (25.20")	534 (21.02")	530 (20.87")	20 (.79")	180 (7.08")
CP10 AL CP10	406	16"						

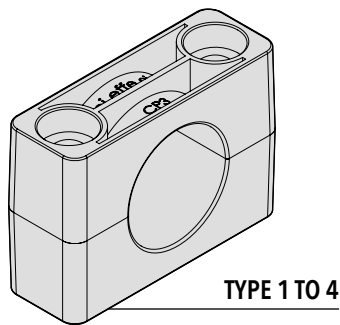


CP L CLAMP BODY

**CLAMPS SMOOTH INSIDE
 SURFACE WITHOUT
 TENSION CLEARANCE**

TWO CLAMP HALVES

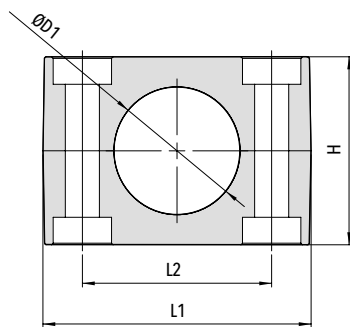
**SUITABLE FOR THE INSTALLATION
 OF HOSES OR CABLES**



TYPE 1 TO 4

Code CP L (Material PP - PA - GM - AU)

42



ORDER EXAMPLE

CP3 L - 35 - PP

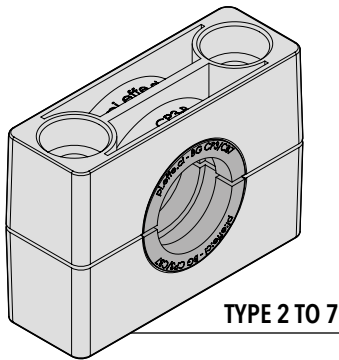
Code	Outside Diameter ØD1		L1	L2	H	Width
	mm	nominal bore pipe in				
CP1 L	6					
	6,4	1/4"				
	8	5/16"				
	9,5	3/8"				
	10	1/8"				
	12					
	12,7	1/2"				
	13,5	1/4"	56 (2.20")	33 (1.30")	32 (1.26")	30 (1.18")
	14					
	15					
	16	5/8"				
	17,2	3/8"				
18						
19	3/4"					
20						
19	3/4"					
20						
21,3	1/2"					
22	7/8"					
25		70 (2.76")	45 (1.77")	48 (1.89")	30 (1.18")	
25,4	1"					
26,9	3/4"					
28						
30						
30						
32	1.1/4"					
33,7	1"					
35						
36						
38	1.1/2"	85 (3.35")	60 (2.36")	58,8 (2.31")	30 (1.18")	
40						
42,4	1.1/4"					
43						
44,5	1.3/4"					
45						
33,7	1"					
38	1.1/2"					
40						
42,4	1.1/4"					
44,5	1.3/4"					
45						
48,3	1.1/2"					
50						
50,8	2"	116 (4.56")	90 (3.54")	86 (3.39")	45 (1.77")	
53						
54	1.3/4"					
55						
56						
57,2	2.1/4"					
60,3	2"					
63,5	2.1/2"					
65						
70	2.3/4"					



CP B CLAMP BODY

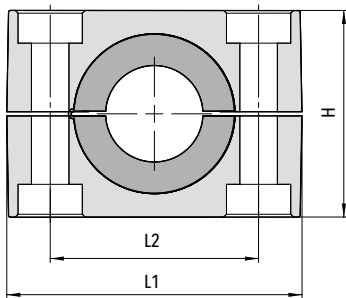
WITH RUBBER BUSHING

TWO CLAMP HALVES



TYPE 2 TO 7

Code CB (Material PP - PA - AU)



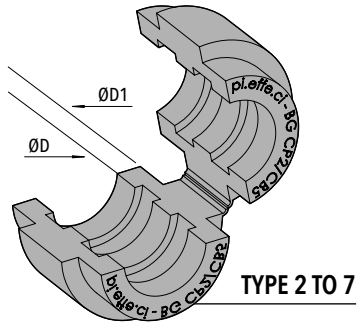
Code	L1	L2	H	Width
CP2 B	70 (2.76")	45 (1.77")	49 (1.93")	30 (1.18")
CP3 B	85 (3.35")	60 (2.36")	60 (2.36")	30 (1.18")
CP4 B	116 (4.56")	90 (3.54")	88 (3.46")	45 (1.77")
CP5 B	155 (6.10")	122 (4.80")	118 (4.65")	60 (2.36")
CP6 B	206 (8.11")	168 (6.61")	165 (6.50")	80 (3.15")
CP7 B	255 (10.04")	205 (8.07")	200 (7.87")	90 (3.54")

ORDER EXAMPLE

CP3 B - PP



BG RUBBER BUSHING



DIN 3015, PART 2
**PIPE CLAMPS
 HEAVY SERIES**

44

Code BG (Material GM)

ORDER EXAMPLE

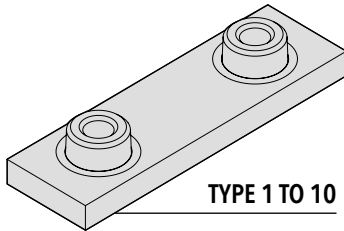
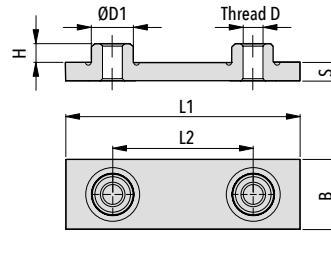
BG CP3 B - 25

Code	Outside Diameter ØD		ØD1	Width
	mm	nominal bore pipe in		
	6			
	8	5/16"		
	10	1/8"		
	12			
	12,7	1/2"		
BG CP2 B	14		25 (.98")	30 (1.18")
	15			
	16	5/8"		
	17,2	3/8"		
	18			
	19	3/4"		
	20			
BG CP3 B	21,3	1/2"		
	22	7/8"		
	25		38 (1.50")	30 (1.18")
	26,9	3/4"		
	28			
	30			
	32	1.1/4"		
	28			
	30			
	32	1.1/4"		
BG CP4 B	33,7	1"		
	35			
	38,7	1.1/2"		
	40		64 (2.52")	45 (1.77")
	42,4	1.1/4"		
	45,5			
	48,3	1.1/2"		
	49			
	51	2"		
	53,4			
BG CP5 B	56,4			
	50			
	55			
	57,2	2.1/4"		
	58			
	60,3	2"		
	63,5	2.1/2"	88 (3.56")	60 (2.36")
	65			
	70	2.3/4"		
	72			
73				
75				
BG CP6 B	76,1	2.1/2"		
	75			
	80			
	85			
	90	3"	114 (4.49")	80 (3.15")
	100			
BG CP7 B	102	3.1/2"		
	103			
	114,3	4"		
	133	5.1/4"	150 (5.91")	90 (3.54")
140	5"			





P CP SINGLE WELD PLATE

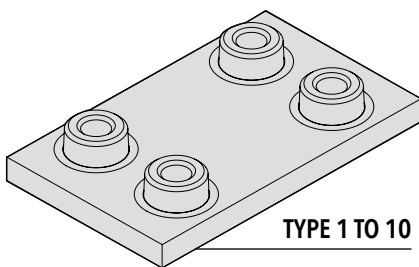
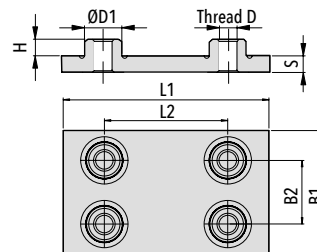


TYPE 1 TO 10

Code P CP (Carbon Steel S 275 JR)
Code XP CP (Stainless Steel AISI 316L).

Code	L1	L2	B	S	H	Thread D	ØD1
P CP1 XP CP1	74 (2.91")	33 (1.30")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
P CP2 XP CP2	86 (3.39")	45 (1.77")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
P CP3 XP CP3	100 (3.94")	60 (2.36")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
P CP4 XP CP4	140 (5.51")	90 (3.54")	45 (1.77")	10 (.39")	8 (.31")	M12 (7/16-14 UNC)	20 (.78")
P CP5 XP CP5	180 (7.09")	122 (4.80")	60 (2.36")	10 (.39")	12 (.47")	M16 (5/8-11 UNC)	24 (.94")
P CP6 XP CP6	226 (8.90")	168 (6.61")	80 (3.15")	15 (.59")	17 (.67")	M20 (3/4-10 UNC)	30 (1.18")
P CP7 XP CP7	270 (10.63")	205 (8.07")	90 (3.54")	15 (.59")	21 (.83")	M24 (7/8-9 UNC)	35 (1.38")
P CP8 XP CP8	340 (13.39")	265 (10.43")	120 (4.72")	25 (.98")	21 (.83")	M30 (1-1/8-7 UNC)	45 (1.77")
P CP9 XP CP9	520 (20.47")	395 (15.55")	160 (6.30")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")
P CP10 XP CP10	680 (27.16")	534 (21.02")	180 (7.09")	30 (1.18")	38 (1.5")	M30 (1-1/4-7 UNC)	50 (1.97")

CDP CP DOUBLE WELD PLATE



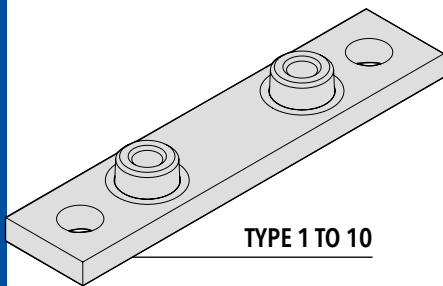
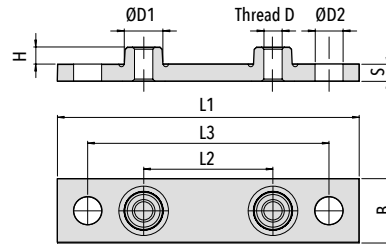
TYPE 1 TO 10

Code CDP CP (Carbon Steel S 275 JR)
Code XCDP CP (Stainless Steel AISI 316L).

Code	L1	L2	B1	B2	S	H	Thread D	ØD1
CDP CP1 XCDP CP1	74 (2.91")	33 (1.30")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
CDP CP2 XCDP CP2	86 (3.39")	45 (1.77")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
CDP CP3 XCDP CP3	100 (3.94")	60 (2.36")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")
CDP CP4 XCDP CP4	140 (5.51")	90 (3.54")	90 (3.54")	46 (1.81")	10 (.39")	8 (.31")	M12 (7/16-14 UNC)	20 (.78")
CDP CP5 XCDP CP5	180 (7.09")	122 (4.80")	120 (4.72")	61 (2.40")	10 (.39")	12 (.47")	M16 (5/8-11 UNC)	24 (.94")
CDP CP6 XCDP CP6	226 (8.90")	168 (6.61")	160 (6.61")	81 (3.19")	15 (.59")	17 (.67")	M20 (3/4-10 UNC)	30 (1.18")
CDP CP7 XCDP CP7	270 (10.63")	205 (8.07")	180 (7.09")	91 (3.58")	15 (.59")	21 (.83")	M24 (7/8-9 UNC)	35 (1.38")
CDP CP8 XCDP CP8	340 (13.39")	265 (10.43")	240 (9.45")	121 (4.78")	25 (.98")	21 (.83")	M30 (1-1/8-7 UNC)	45 (1.77")
CDP CP9 XCDP CP9	520 (20.47")	395 (15.55")	320 (12.60")	166 (6.54")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")
CDP CP10 XCDP CP10	680 (27.16")	534 (21.02")	360 (14.17")	186 (7.32")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")



PL CP ELONGATED SINGLE PLATE (WITH SCREWS)



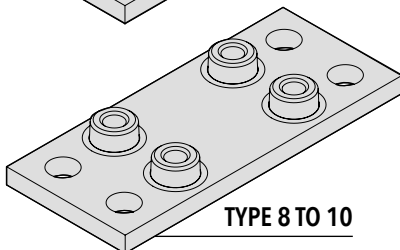
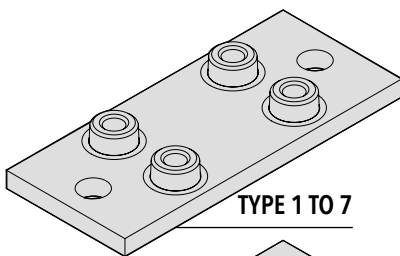
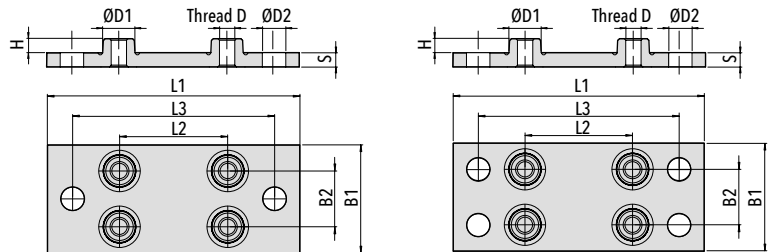
Code PL CP (Carbon Steel S 275 JR)
Code XPL CP (Stainless Steel AISI 316L).

Code	L1	L2	L3	B	S	H	Thread D	ØD1	ØD2
PL CP1 XPL CP1	113 (4.45")	33 (1.30")	85 (3.35")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
PL CP2 XPL CP2	125 (4.92")	45 (1.77")	97 (3.82")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
PL CP3 XPL CP3	140 (5.51")	60 (2.36")	112 (4.41")	30 (1.18")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
PL CP4 XPL CP4	187 (7.36")	90 (3.54")	155 (6.10")	45 (1.77")	10 (.39")	8 (.31")	M12 (7/16-14 UNC)	20 (.79")	16 (.63")
PL CP5 XPL CP5	238 (9.37")	122 (4.80")	198 (7.80")	60 (2.36")	10 (.39")	12 (.47")	M16 (5/8-11 UNC)	24 (.94")	21 (.83")
PL CP6 XPL CP6	309 (12.17")	168 (6.61")	259 (10.2")	80 (3.15")	15 (.59")	17 (.67")	M20 (3/4-10 UNC)	30 (1.18")	26 (1.02")
PL CP7 XPL CP7	370 (14.57")	205 (8.07")	310 (12.20")	90 (3.54")	15 (.59")	21 (.83")	M24 (7/8-9 UNC)	35 (1.38")	31 (1.22")
PL CP8 XPL CP8	440 (17.32")	265 (10.43")	380 (14.96")	120 (4.72")	25 (.98")	21 (.83")	M30 (1-1/8-7 UNC)	45 (1.77")	31 (1.22")
PL CP9 XPL CP9	590 (23.23")	395 (15.55")	530 (20.87")	160 (6.30")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")	31 (1.22")
PL CP10 XPL CP10	750 (29.53")	534 (21.02")	690 (27.17")	180 (7.09")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")	31 (1.22")

DIN 3015, PART 2

PIPE CLAMPS
HEAVY SERIES

CDPL CP ELONGATED DOUBLE PLATE (WITH SCREWS)

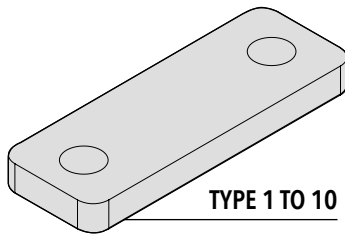
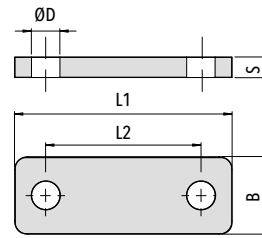


Code CDPL CP (Carbon Steel S 275 JR)
Code XCDPL CP (Stainless Steel AISI 316L).

Code	L1	L2	L3	B1	B2	S	H	Thread D	ØD1	ØD2
CDPL CP1 XCDPL CP1	113 (4.45")	33 (1.30")	85 (3.35")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
CDPL CP2 XCDPL CP2	125 (4.92")	45 (1.77")	97 (3.82")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
CDPL CP3 XCDPL CP3	140 (5.51")	60 (2.36")	112 (4.41")	60 (2.36")	31 (1.22")	8 (.31")	8 (.31")	M10 (3/8-16 UNC)	18 (.71")	13 (.51")
CDPL CP4 XCDPL CP4	187 (7.36")	90 (3.54")	155 (6.10")	90 (3.54")	46 (1.81")	10 (.39")	8 (.31")	M12 (7/16-14 UNC)	20 (.79")	16 (.62")
CDPL CP5 XCDPL CP5	238 (9.37")	122 (4.80")	198 (7.80")	120 (4.72")	61 (2.40")	10 (.39")	12 (.47")	M16 (5/8-11 UNC)	24 (.94")	21 (.83")
CDPL CP6 XCDPL CP6	309 (12.17")	168 (6.61")	259 (10.20")	160 (6.61")	81 (3.19")	15 (.59")	17 (.67")	M20 (3/4-10 UNC)	30 (1.18")	26 (1.02")
CDPL CP7 XCDPL CP7	370 (14.57")	205 (8.07")	310 (12.20")	180 (7.09")	91 (3.58")	15 (.59")	21 (.83")	M24 (7/8-9 UNC)	35 (1.38")	31 (1.22")
CDPL CP8 XCDPL CP8	440 (17.32")	265 (10.43")	380 (14.96")	240 (9.45")	121 (4.78")	25 (.98")	21 (.83")	M30 (1-1/8-7 UNC)	45 (1.77")	31 (1.22")
CDPL CP9 XCDPL CP9	590 (23.23")	395 (15.55")	530 (20.87")	320 (12.60")	166 (6.54")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")	31 (1.22")
CDPL CP10 XCDPL CP10	750 (29.53")	534 (21.02")	690 (27.17")	360 (14.17")	186 (7.32")	30 (1.18")	38 (1.50")	M30 (1-1/4-7 UNC)	50 (1.97")	31 (1.22")



PS CP UPPER PLATE

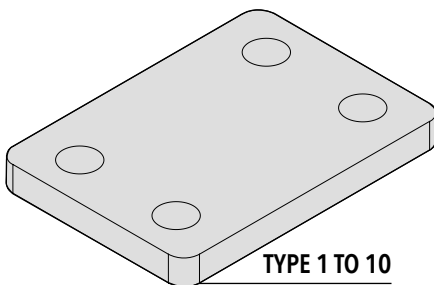
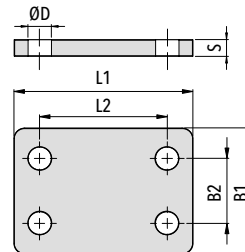


TYPE 1 TO 10

Code PS CP (Carbon Steel S 275 JR)
Code XPS CP (Stainless Steel AISI 316L).

Code	L1	L2	B	S	ØD1
PS CP1 XPS CP1	56 (2.20")	33 (1.30")	30 (1.18")	8 (.31")	11 (.43")
PS CP2 XPS CP2	70 (2.76")	45 (1.77")	30 (1.18")	8 (.31")	11 (.43")
PS CP3 XPS CP3	85 (3.35")	60 (2.36")	30 (1.18")	8 (.31")	11 (.43")
PS CP4 XPS CP4	115 (4.53")	90 (3.54")	45 (1.77")	10 (.39")	14 (.55")
PS CP5 XPS CP5	152 (5.98")	122 (4.80")	60 (2.36")	10 (.39")	18 (.71")
PS CP6 XPS CP6	205 (8.07")	168 (6.61")	80 (3.15")	15 (.59")	22 (.87")
PS CP7 XPS CP7	251 (9.88")	205 (8.07")	90 (3.54")	15 (.59")	26 (1.02")
PS CP8 XPS CP8	320 (12.60")	265 (10.43")	120 (4.72")	25 (.98")	35 (1.38")
PS CP9 XPS CP9	470 (18.50")	395 (15.55")	160 (6.30")	30 (1.18")	35 (1.38")
PS CP10 XPS CP10	630 (24.80")	534 (21.02")	180 (7.09")	30 (1.18")	37 (1.46")

CDPS CP DOUBLE UPPER PLATE



TYPE 1 TO 10

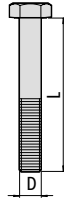
Code CDPS CP (Carbon Steel S 275 JR)
Code XCDPS CP (Stainless Steel AISI 316L).

Code	L1	L2	B1	B2	S	ØD
CDPS CP1 XCDPS CP1	56 (2.20")	33 (1.30")	60 (2.36")	31 (1.22")	8 (.31")	11 (.43")
CDPS CP2 XCDPS CP2	70 (2.76")	45 (1.77")	60 (2.36")	31 (1.22")	8 (.31")	11 (.43")
CDPS CP3 XCDPS CP3	85 (3.35")	60 (2.36")	60 (2.36")	31 (1.22")	8 (.31")	11 (.43")
CDPS CP4 XCDPS CP4	115 (4.53")	90 (3.54")	90 (3.54")	46 (1.81")	10 (.39")	14 (.55")
CDPS CP5 XCDPS CP5	152 (5.98")	122 (4.80")	120 (4.72")	61 (2.40")	10 (.39")	18 (.71")
CDPS CP6 XCDPS CP6	205 (8.07")	168 (6.61")	160 (6.61")	81 (3.19")	15 (.59")	22 (.87")
CDPS CP7 XCDPS CP7	251 (9.88")	205 (8.07")	180 (7.09")	91 (3.58")	15 (.59")	26 (1.02")
CDPS CP8 XCDPS CP8	320 (12.60")	265 (10.43")	240 (9.45")	121 (4.78")	25 (.98")	35 (1.38")
CDPS CP9 XCDPS CP9	470 (18.50")	395 (15.55")	320 (12.60")	166 (6.54")	30 (1.18")	35 (1.38")
CDPS CP10 XCDPS CP10	630 (24.80")	534 (21.02")	360 (14.17")	186 (7.32")	30 (1.18")	37 (1.46")

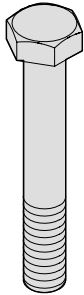


TE CP HEXAGON HEAD BOLT

ISO 4014 / 4017
 FOR UPPER PLATE PS CP



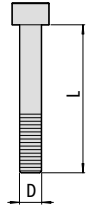
Code	DxL
TE CP1 XTE CP1	M10x45 (3/8-16 UNCx1-3/4")
TE CP2 XTE CP2	M10x60 (3/8-16 UNCx2-1/4")
TE CP3 XTE CP3	M10x70 (3/8-16 UNCx2-3/4")
TE CP4 XTE CP4	M12x100 (7/16-14 UNCx4")
TE CP5 XTE CP5	M16x130 (5/8-11 UNCx5-1/4")
TE CP6 XTE CP6	M20x190 (3/4-10 UNCx7-1/2")
TE CP7 XTE CP7	M24x220 (7/8-9 UNCx8-3/4")
TE CP8 XTE CP8	M30x300 (1-1/8-7 UNCx12")
TE CP9 XTE CP9	M30x450 (1-1/4-7 UNCx17-1/2")
TE CP10 XTE CP10	M30x560 (1-1/4-7 UNCx22")



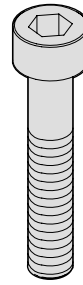
Code TE CP (Steel 8.8)
 Code XTE CP (Stainless Steel A4)

TCEI CP SOCKET CAP SCREW

ISO 4762



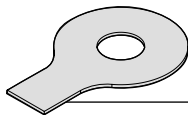
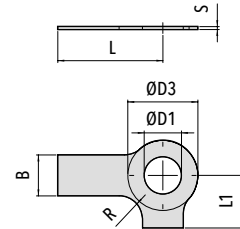
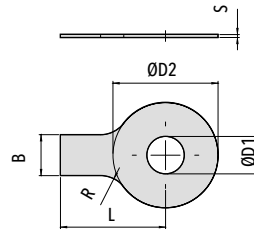
Code	DxL
TCEI CP1 XTCEI CP1	M10x30 (3/8-16 UNC x1")
TCEI CP2 XTCEI CP2	M10x40 (3/8-16 UNC x1-3/4")
TCEI CP3 XTCEI CP3	M10x50 (3/8-16 UNC x2")
TCEI CP4 XTCEI CP4	M12x80 (7/16-14 UNCx3-1/4")



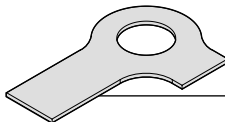
Code TCEI CP (Steel 8.8)
 Code XTCEI CP (Stainless Steel A4)

RS CP / RSL CP SAFETY WASHER

FOR USE WITH HEXAGON HEAD BOLT
 TE CP / XTE CP



RS CP / XRS CP
 DIN 93



RSL CP / XRSL CP
 DIN 463

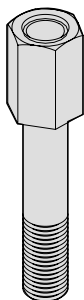
Code RS CP DIN 93 (Carbon Steel S 235 JR)
 Code XRS CP DIN 93 (Stainless Steel A4)
 Code RS CP DIN 463 (Carbon Steel S 235 JR)
 Code XRS CP DIN 463 (Stainless Steel A4)

Code	ØD1	B	ØD2	ØD3	L	L1	R	S
RS / RSL CP1 XRS / XRSL CP1	10,5 (.41")	10 (.39")	26 (1.02")	21 (.83")	22 (.87")	13 (.51")	4 (.16")	1 (.04")
RS / RSL CP2 XRS / XRSL CP2	10,5 (.41")	10 (.39")	26 (1.02")	21 (.83")	22 (.87")	13 (.51")	4 (.16")	1 (.04")
RS / RSL CP3 XRS / XRSL CP3	10,5 (.41")	10 (.39")	26 (1.02")	21 (.83")	22 (.87")	13 (.51")	4 (.16")	1 (.04")
RS / RSL CP4 XRS / XRSL CP4	13 (.51")	12 (.47")	30 (1.18")	24 (.94")	28 (1.10")	15 (.59")	6 (.24")	1 (.04")
RS / RSL CP5 XRS / XRSL CP5	17 (.67")	15 (.59")	36 (1.42")	30 (1.18")	32 (1.26")	18 (.71")	6 (.24")	1 (.04")
RS / RSL CP6 XRS / XRSL CP6	21 (.83")	18 (.71")	42 (1.65")	37 (1.46")	36 (1.42")	21 (.83")	6 (.24")	1 (.04")
RS / RSL CP7 XRS / XRSL CP7	25 (.98")	20 (.79")	50 (1.97")	44 (1.73")	42 (1.65")	25 (.98")	6 (.24")	1 (.04")
RS / RSL CP8 XRS / XRSL CP8	31 (1.22")	26 (1.02")	63 (2.48")	56 (2.20")	52 (2.05")	32 (1.26")	10 (.39")	1,6 (.06")
RS / RSL CP9 XRS / XRSL CP9	31 (1.22")	26 (1.02")	63 (2.48")	56 (2.20")	52 (2.05")	32 (1.26")	10 (.39")	1,6 (.06")
RS / RSL CP10 XRS / XRSL CP10	31 (1.22")	26 (1.02")	63 (2.48")	56 (2.20")	52 (2.05")	32 (1.26")	10 (.39")	1,6 (.06")

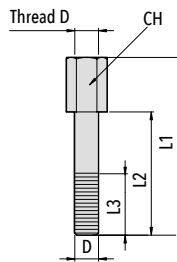


VA CP HIGH HEXAGON HEAD BOLT

FOR STACKED CLAMPS



Code **VA CP** (Carbon Steel S 235 JR)
Code **XVA CP** (Stainless Steel AISI 316L)

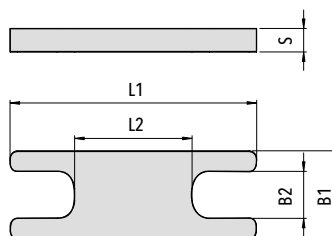
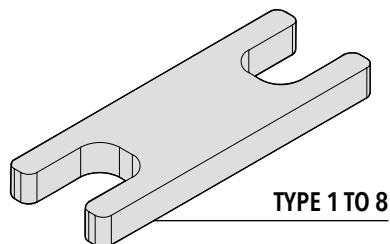


Code	Thread D	L1	L2	L3	CH
VA CP1 XVA CP1	M10 (3/8-16 UNC)	49 (1.93")	25 (.98")	18 (.71")	15 (.59")
VA CP2 XVA CP2	M10 (3/8-16 UNC)	65 (2.56")	40 (1.57")	18 (.71")	15 (.59")
VA CP3 XVA CP3	M10 (3/8-16 UNC)	77 (3.03")	51 (2.01")	18 (.71")	15 (.59")
VA CP4 XVA CP4	M12 (7/16-14 UNC)	110 (4.33")	82 (3.23")	25 (.98")	17 (.67")
VA CP5 XVA CP5	M16 (5/8-11 UNC)	144 (5.67")	110 (4.33")	25 (.98")	21 (.83")
VA CP6 XVA CP6	M20 (3/4-10 UNC)	200 (7.87")	150 (5.91")	40 (1.57")	27 (1.06")
VA CP7 XVA CP7	M24 (7/8-9 UNC)	240 (9.45")	180 (7.09")	50 (1.97")	30 (1.18")
VA CP8 XVA CP8	M30 (1-1/8-7 UNC)	331 (13.03")	244 (9.61")	60 (2.36")	45 (1.77")

DIN 3015, PART 2
PIPE CLAMPS
HEAVY SERIES

PB CP LOCKING PLATE

FOR STACKED CLAMPS



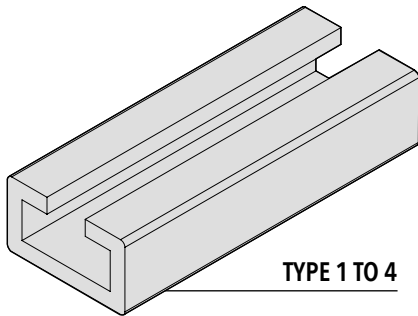
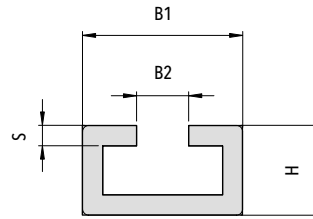
Code	L1	L2	B1	B2	S
PB CP1 XPB CP1	57 (2.24")	13 (.51")	30 (1.18")	16 (.63")	8 (.31")
PB CP2 XPB CP2	70 (2.76")	26 (1.02")	30 (1.18")	16 (.63")	8 (.31")
PB CP3 XPB CP3	84 (3.30")	40 (1.57")	30 (1.18")	16 (.63")	8 (.31")
PB CP4 XPB CP4	114 (4.49")	66 (2.60")	45 (1.77")	18 (.71")	10 (.39")
PB CP5 XPB CP5	151 (5.94")	95 (3.74")	60 (2.36")	22 (.87")	10 (.39")
PB CP6 XPB CP6	204 (8.03")	132 (5.20")	80 (3.15")	28 (1.10")	15 (.59")
PB CP7 XPB CP7	250 (9.84")	166 (6.54")	90 (3.54")	31 (1.22")	15 (.59")
PB CP8 XPB CP8	310 (12.20")	210 (8.27")	120 (4.72")	47 (1.85")	25 (.98")

Code **PB CP** (Carbon Steel S 275 JR)
Code **XPB CP** (Stainless Steel AISI 316L)



BB P MOUNTING HEAVY RAIL

AVAILABLE LENGTHS 1 m / 2 m



TYPE 1 TO 4

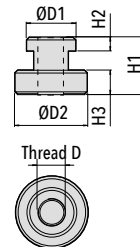
Code **BB P** (Carbon Steel S 235 JR)
Code **XBB P** (Stainless Steel AISI 316L)

Code	B1	B2	H	S
BB P XBB P	40 (1.57")	13 (.51")	22 (.86")	5 (.19")

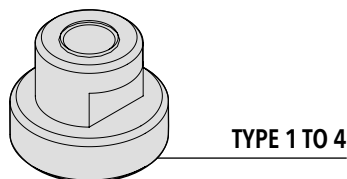
50

DF P+AG RAIL NUT WITH RUBBER RING

FOR MOUNTING HEAVY RAIL



AG



TYPE 1 TO 4

Code **DF P** (Carbon Steel S 235 JR)
Code **XDF P** (Stainless Steel AISI 316L)

Code	ØD1	ØD2	H1	H2	H3	Thread D	AG
------	-----	-----	----	----	----	----------	----

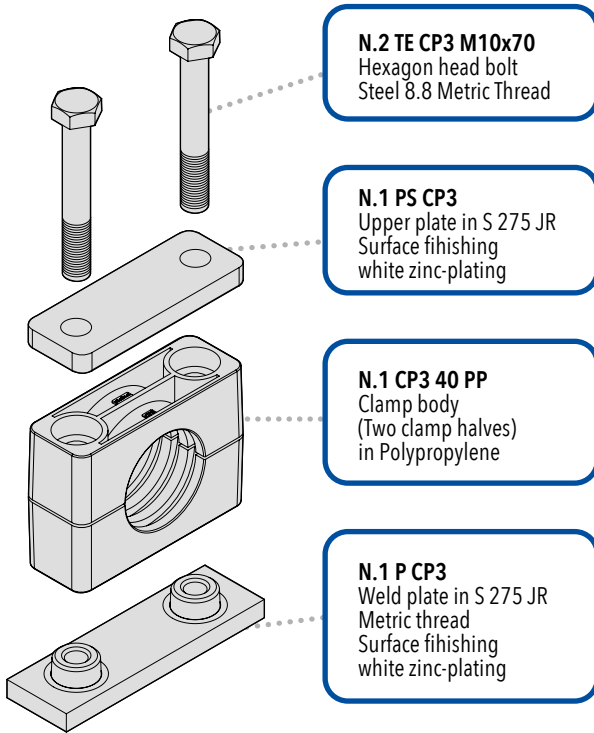
DF1-3 P XDF1-3 P + AG	17,7 (.70")	22 (.87")	21 (.83")	6,6 (.26")	7,4 (.29")	M10 (3/8-16 UNC)	15x2,62 (.59"x.10")
---	----------------	--------------	--------------	---------------	---------------	---------------------	------------------------

DF4 P XDF4 P + AG	18,8 (.74")	26 (1,02")	23 (.90")	7 (.27")	8 (.35")	M12 (7/16-14 UNC)	15x2,62 (.59"x.10")
---	----------------	---------------	--------------	-------------	-------------	----------------------	------------------------



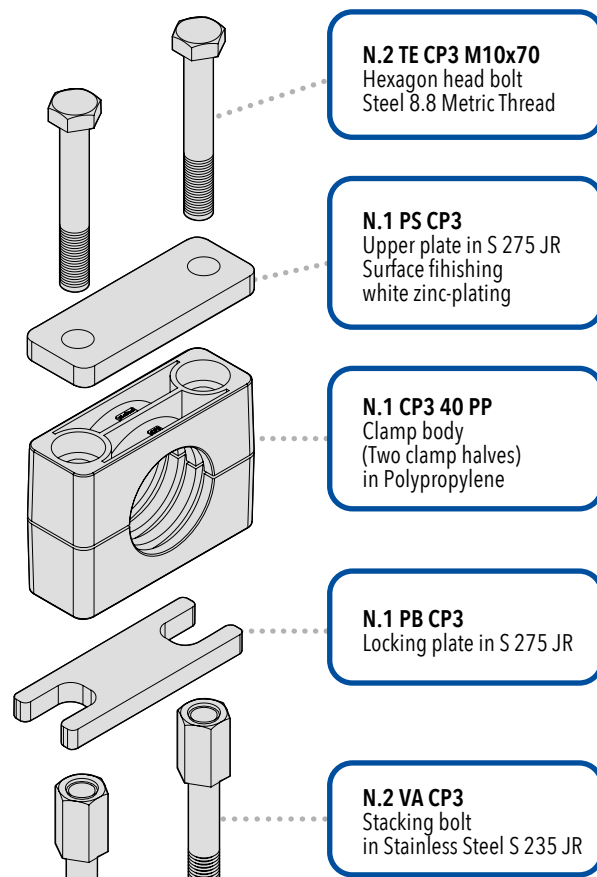
MOUNTING EXAMPLE 01

Mounting Example of complete clamp CP3 in Polypropylene for pipe with outside diameter of 40 mm with single weld plate and upper plate.



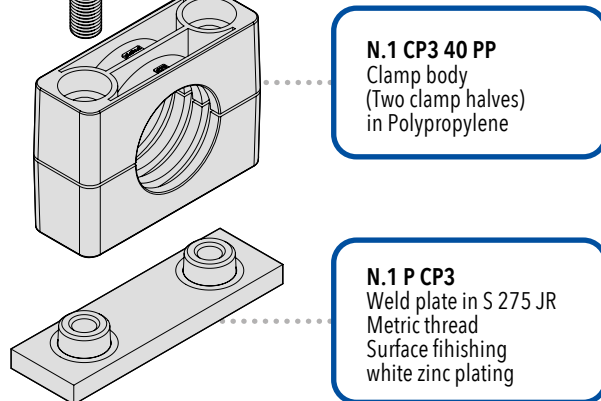
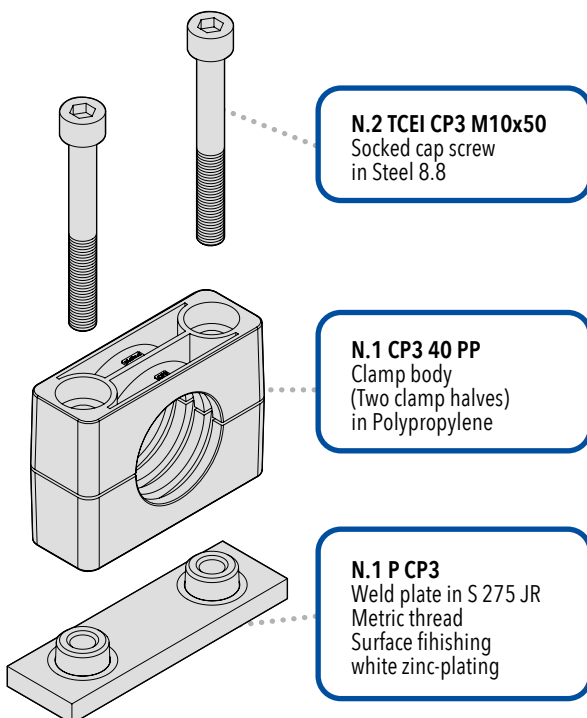
MOUNTING EXAMPLE 02

Complete stacked clamp CP3 in Polypropylene for pipe with outside diameter of 40 mm with single weld plate and upper plate.



MOUNTING EXAMPLE 03

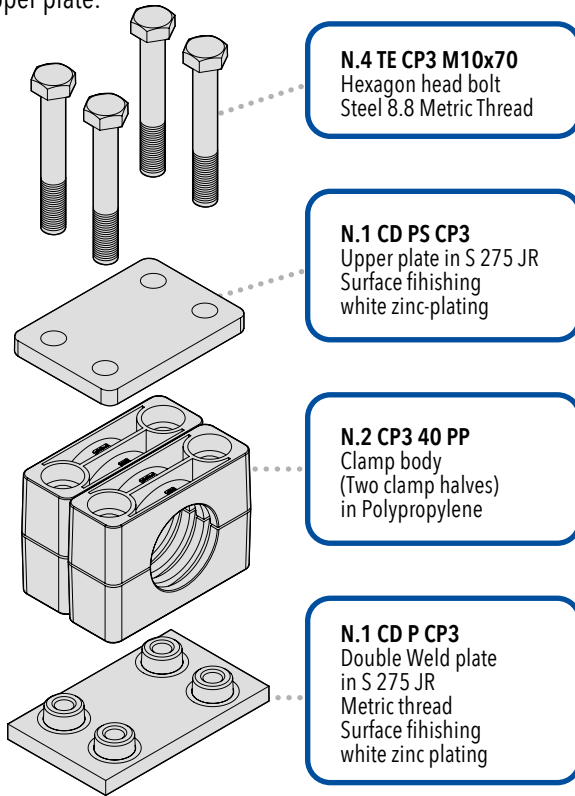
Mounting Example of complete clamp CP3 in Polypropylene for pipe with outside diameter of 40 mm with single weld plate.





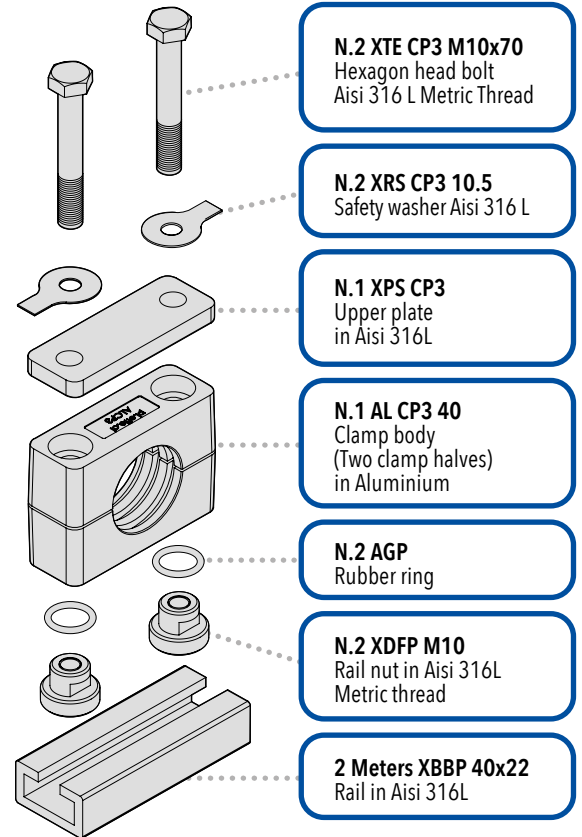
MOUNTING EXAMPLE 04

Mounting Example of complete clamp CP3 in Polypropylene for pipe with outside diameter of 40 mm with double weld plate and double upper plate.



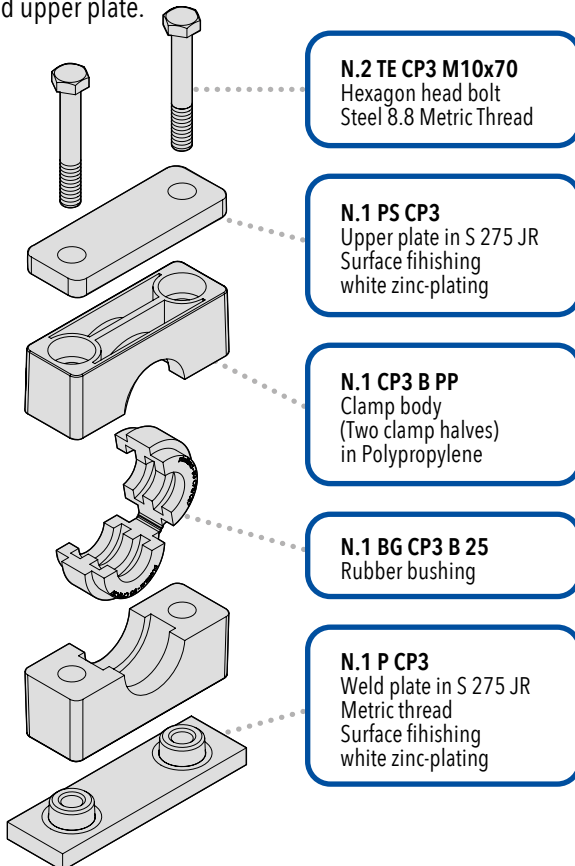
MOUNTING EXAMPLE 05

Mounting Example of complete clamp CP3 in Aluminium for pipe with outside diameter of 40 mm, mounting rail nut.

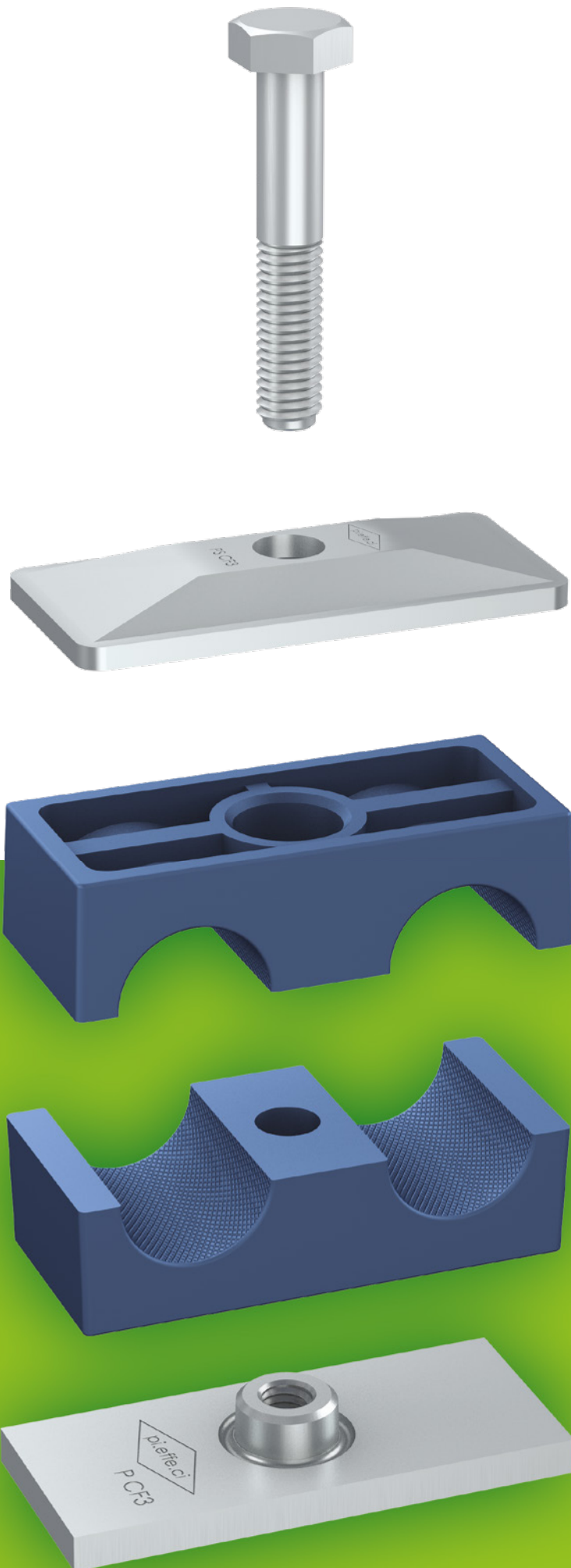


MOUNTING EXAMPLE 06

Mounting Example of complete clamp CP3-B in Polypropylene with rubber bushing for pipe with outside diameter of 25 mm, with single weld plate and upper plate.









PIPE CLAMPS **TWIN SERIES**

DIN 3015, PART 3

PIPE CLAMPS
TWIN SERIES

55

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Rubber Elastomer
Colour **Black**
Code **GM**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**



Aluminium
Colour **Natural**
Code **AL**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

ON REQUEST, ANY CLAMP BODY CAN BE SUPPLIED
WITH TWO DIFFERENT DIAMETERS.

Clamp body internal surface:
smooth (AL CF, CF1 L to CF5 L)
knurled (CF1 to CF5)

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 235 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with X identification code.

The **BB** track is treated with zinc-plating SENDZIMIR.
The **BBP** track is treated with zinc-coating Fe Zn c8 II.

Metric thread: code **M**
UNC thread: code **UNC**.

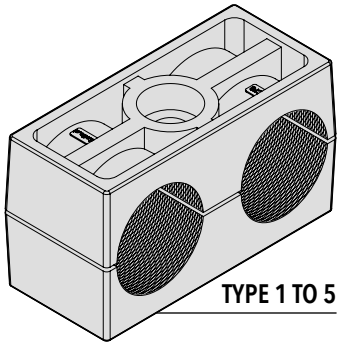
For Material Characteristics, see Technical Appendix (page 147).





CF CLAMP BODY

TWO CLAMP HALVES

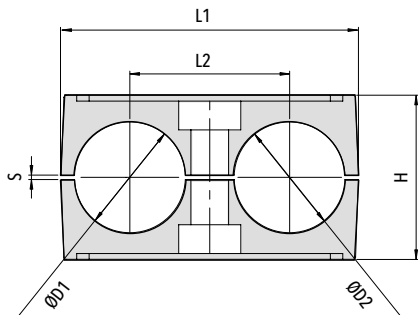


TYPE 1 TO 5

DIN 3015, PART 3
 PIPE CLAMPS
 TWIN SERIES

56

Code CF (Material PP - PA - GM - AU)



ORDER CODE

CLAMP BODY CODE	OUTSIDE DIAMETER (mm)	MATERIAL
-----------------	-----------------------	----------

EXAMPLE

Clamp body type: 3
 Material: PP
 Outside diameter: 24 mm
 Order code: **CF3 - 24 - PP**

Code	O.D. ØD1 / ØD2		L1	L2	H	S	Width
	mm	nominal bore pipe in					
CF1	6						
	6,4	1/4"					
	8	5/16"					
	9,5	3/8"	36 (1.42")	20 (.79")	27 (1.06")	0,6 (.02")	30 (1.18")
	10	1/8"					
	12						
CF2	12,7	1/2"					
	13,5	1/4"					
	14		53 (2.09")	29 (1.14")	27 (1.06")	0,8 (.03")	30 (1.18")
	15						
	16	5/8"					
	17,2	3/8"					
	18						
	19	3/4"					
	20						
	21,3	1/2"					
CF3	22	7/8"	67 (2.64")	36 (1.42")	37 (1.46")	1 (.04")	30 (1.18")
	23						
	24						
	25						
	25,4	1"					
	CF4	26					
26,9		3/4"	81 (3.19")	45 (1.77")	42 (1.65")	1 (.04")	30 (1.18")
28							
30							
CF5	32	1.1/4"					
	33,7	1"					
	35		106 (4.17")	56 (2.20")	53 (2.09")	1,2 (.05")	30 (1.18")
	38	1.1/2"					
	40						
	42,4	1.1/4"					

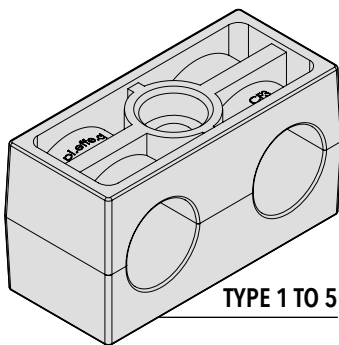


CF L CLAMP BODY

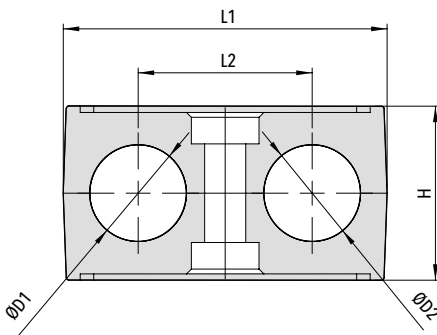
**CLAMPS SMOOTH INSIDE
 SURFACE WITHOUT
 TENSION CLEARANCE**

TWO CLAMP HALVES

**SUITABLE FOR THE INSTALLATION
 OF HOSES OR CABLES**



Code CF L (Material PP - PA - GM - AU)



Code	O.D. ØD1 / ØD2		L1	L2	H	Width
	mm	nominal bore pipe in				
CF1 L	6					
	6,4	1/4"				
	8	5/16"				
	9,5	3/8"	36 (1.42")	20 (.79")	26,5 (1.04")	30 (1.18")
	10	1/8"				
CF2 L	12					
	12,7	1/2"				
	13,5	1/4"				
	14		53 (2.09")	29 (1.14")	26,2 (1.03")	30 (1.18")
	15					
	16	5/8"				
	17,2	3/8"				
	18					
	19	3/4"				
	20					
CF3 L	21,3	1/2"				
	22	7/8"	67 (2.64")	36 (1.42")	36 (1.42")	30 (1.18")
	23					
	24					
	25					
CF4 L	25,4	1"				
	26					
	26,9	3/4"	81 (3.19")	45 (1.77")	41 (1.60")	30 (1.18")
	28					
	30					
CF5 L	32	1.1/4"				
	33,7	1"				
	35		106 (4.17")	56 (2.20")	51,8 (2.04")	30 (1.18")
	38	1.1/2"				
	40					
	42,4	1.1/4"				

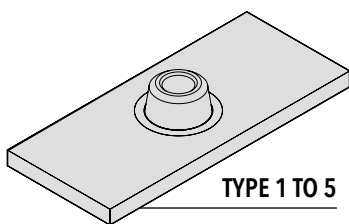
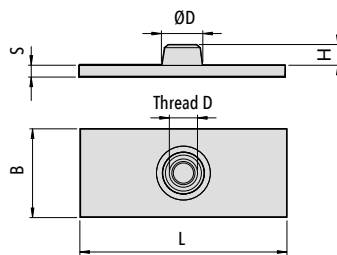
**PIPE CLAMPS
 TWIN SERIES**
 DIN 3015, PART 3

ORDER EXAMPLE

CF2 L-15 PP



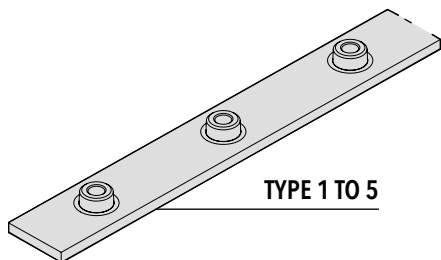
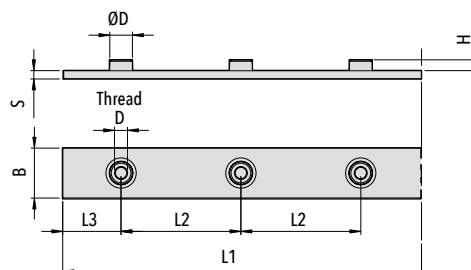
P CF SINGLE WELD PLATE



Code	L	B	S	H	ØD	Thread D
P CF1 XP CF1	37 (1.46")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	M6 (1/4-20 UNC)
P CF2 XP CF2	55 (2.17")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
P CF3 XP CF3	70 (2.76")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
P CF4 XP CF4	85 (3.35")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
P CF5 XP CF5	110 (4.33")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)

Code **P CF** (Carbon Steel S 235 JR)
Code **XP CF** (Stainless Steel AISI 316L).

PM CF MULTIPLE WELD PLATE

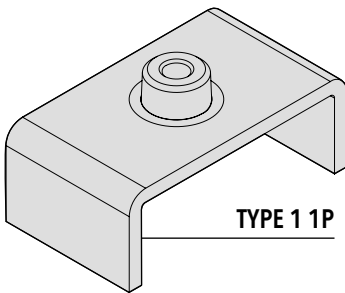
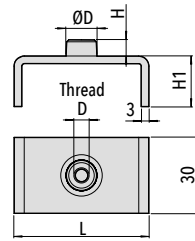


Code	Nr. of Clamps	L1	L2	L3	B	S	H	ØD	Thread D
PM CF1 XPM CF1	5	200 (7.87")	40 (1.57")	20 (.79")	30 (1.18")	3 (.12")	6,5 (.26")	12 (.47")	M6 (1/4-20 UNC)
PM CF2 XPM CF2	5	288 (11.34")	58 (2.28")	28 (1.10")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
PM CF3 XPM CF3	5	358 (14.09")	72 (2.83")	35 (1.37")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
PM CF4 XPM CF4	5	444 (17.48")	90 (3.54")	42 (1.65")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)
PM CF5 XPM CF5	5	558 (21.97")	112 (4.41")	55 (2.16")	30 (1.18")	5 (.20")	6 (.24")	14 (.55")	M8 (5/16-18 UNC)

Code **PM CF** (Carbon Steel S 235 JR)
Code **XPM CF** (Stainless Steel AISI 316L).



PM CF 1P SINGLE SPACED PLATE



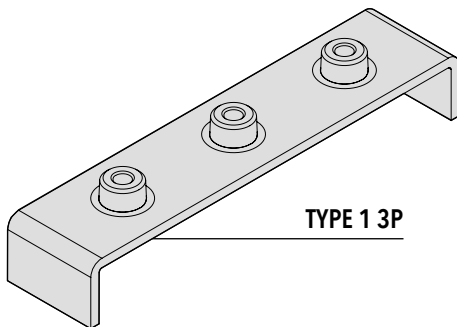
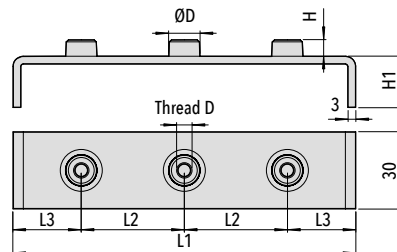
TYPE 1 1P

Code **PM CF 1P** (Carbon Steel S 235 JR)
Code **XPM CF 1P** (Stainless Steel AISI 316L).

Code	L1	H	H1	ØD	Thread D
PM CF 1P XPM CF 1P	53 (2.08")	6,5 (.26")	20 (.79")	12 (.47")	M6 (1/4-20 UNC)

PM CF 3P MULTIPLE SPACED PLATE

FOR N.3 CLAMPS



TYPE 1 3P

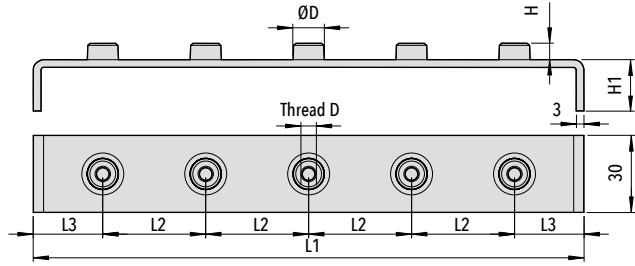
Code **PM CF 3P** (Carbon Steel S 235 JR)
Code **XPM CF 3P** (Stainless Steel AISI 316L).

Code	L1	L2	L3	H	H1	ØD	Thread D
PM CF 3P XPM CF 3P	133 (5.23")	40 (1.57")	26,5 (1.04")	6,5 (.26")	20 (.79")	12 (.47")	M6 (1/4-20 UNC)

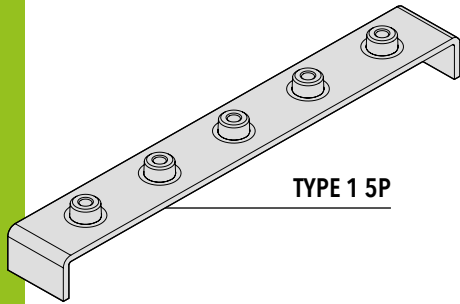


PM CF 5P MULTIPLE SPACED PLATE

FOR N.5 CLAMPS



Code	L1	L2	L3	H	H1	ØD	Thread D
PM CF1 5P XPM CF1 5P	213 (8.38")	40 (1.57")	26,5 (1.04")	6,5 (.26")	20 (.79")	12 (.47")	M6 (1/4-20 UNC)

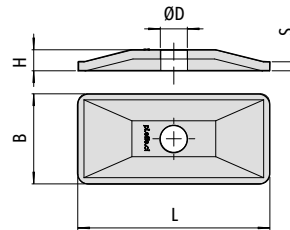


Code **PM CF 5P** (Carbon Steel S 235 JR)
Code **XPM CF 5P** (Stainless Steel AISI 316L).

DIN 3015, PART 3
PIPE CLAMPS
TWIN SERIES

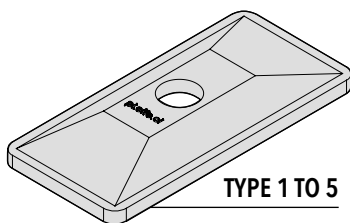
60

PS CF UPPER PLATE



Code	L	B	H	S	ØD
PS CF1 XPS CF1	34,5 (1.35")	30 (1.18")	7 (.28")	3 (.12")	7 (.28")
PS CF2 XPS CF2	52 (2.05")	30 (1.18")	7 (.28")	3 (.12")	9 (.35")
PS CF3 XPS CF3	64 (2.51")	30 (1.18")	7 (.28")	3 (.12")	9 (.35")
PS CF4 XPS CF4	79 (3.11")	30 (1.18")	7 (.28")	3 (.12")	9 (.35")
PS CF5 XPS CF5	102,5 (4.03")	30 (1.18")	7 (.28")	3 (.12")	9 (.35")

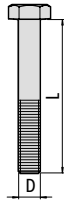
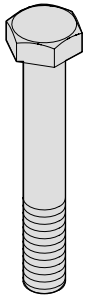
Code **PS CF** (Carbon Steel S 235 JR)
Code **XPS CF** (Stainless Steel AISI 316L).





TE CF HEXAGON HEAD BOLT

ISO 4014 / 4017
 FOR USE WITH UPPER PLATE **PS CF**



Code	Thread (D x L)
------	-------------------

TE CF1 M6x35
XTE CF1 (1/4-20 UNCx1-3/8")

TE CF2 M8x35
XTE CF2 (5/16-18 UNCx1-3/8")

TE CF3 M8x45
XTE CF3 (5/16-18 UNCx1-3/4")

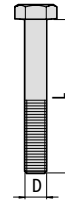
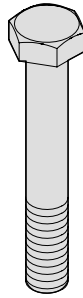
TE CF4 M8x50
XTE CF4 (5/16-18 UNCx2")

TE CF5 M8x60
XTE CF5 (5/16-18 UNCx2-1/2")

Code TE CF (Steel 8.8)
Code XTE CF (Stainless Steel A4)

TER CF HEXAGON HEAD BOLT

ISO 4014 / 4017
 FOR USE WITH FLAT WASHER **RP CF**



Code	Thread (D x L)
------	-------------------

TER CF1 M6x30
XTER CF1 (1/4-20 UNCx1-1/4")

TER CF2 M8x30
XTER CF2 (5/16-18 UNCx1-1/4")

TER CF3 M8x40
XTER CF3 (5/16-18 UNCx1-1/2")

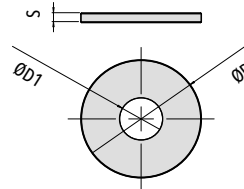
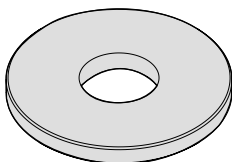
TER CF4 M8x45
XTER CF4 (5/16-18 UNCx1-7/8")

TER CF5 M8x55
XTER CF5 (5/16-18 UNCx2-3/16")

Code TER CF (Steel 8.8)
Code XTER CF (Stainless Steel A4)

RP CF FLAT WASHER

ISO 7089
 FOR USE WITH HEXAGON
 HEAD BOLT **TER CF**



Code	ØD	ØD1	S
------	----	-----	---

RP CF1 22 6,5 2
XRPCF1 (.86") (.26") (.08")

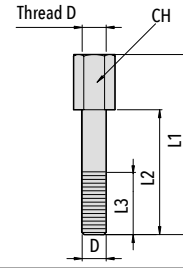
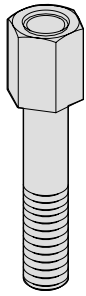
RP CF2-5 22 8,5 2
XRPCF2-5 (.86") (.33") (.08")

Code RP CF (Carbon Steel S 235 JR)
Code XRP CF (Stainless Steel A4)



VA CF HIGH HEXAGON HEAD BOLT

FOR STACKED CLAMPS



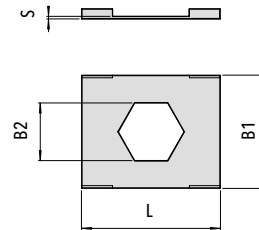
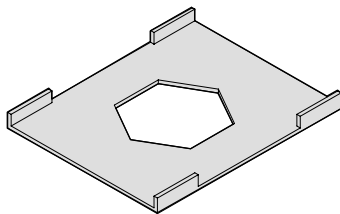
Code	Thread D	L1	L2	L3	CH
VA CF1 XVA CF1	M6 (1/4-20 UNC)	34 (1,33")	20 (.78")	14 (.55")	11 (.43")
VA CF2 XVA CF2	M8 (5/16-18 UNC)	33 (1,30")	20 (.78")	15 (.59")	12 (.47")
VA CF3 XVA CF3	M8 (5/16-18 UNC)	44 (1,73")	29 (1,14")	15 (.59")	12 (.47")
VA CF4 XVA CF4	M8 (5/16-18 UNC)	49 (1,92")	34 (1,33")	15 (.59")	12 (.47")
VA CF5 XVA CF5	M8 (5/16-18 UNC)	61 (2,4")	46 (1,81")	15 (.59")	12 (.47")

Code **VA CF** (Carbon Steel S 235 JR)
Code **XVA CF** (Stainless Steel AISI 316L)

62

PB CF LOCKING PLATE

FOR STACKED CLAMPS



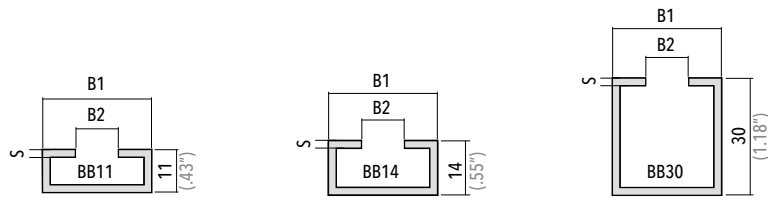
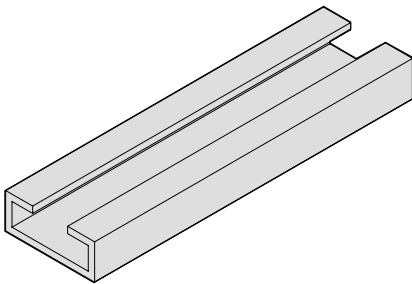
Code	L	B1	B2	S
PB CF1 XPB CF1	27 (1.06")	22 (.86")	11,2 (.44")	0,5 (.02")
PB CF2-5 XPB CF2-5	27 (1.06")	22 (.86")	12,2 (.48")	0,5 (.02")

Code **PB CF** (Carbon Steel S 235 JR)
Code **XPB CF** (Stainless Steel AISI 316L)



BB MOUNTING RAIL

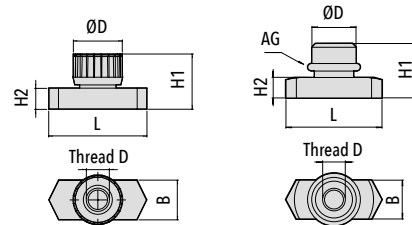
AVAILABLE HEIGHTS 11 / 14 / 30 mm
 AVAILABLE LENGTH 2 m



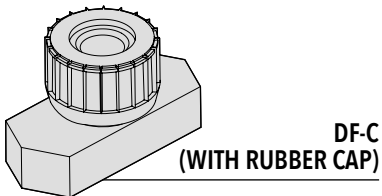
Code	B1	B2	S
BB XBB	28 (1.10")	11 (.43")	2 (.08")

Code **BB** (Steel DX51D)
 Code **XBB** (Stainless Steel AISI 316L)

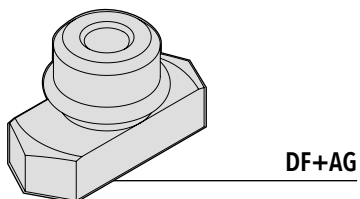
DF+AG / DF-C RAIL NUT WITH RUBBER RING



Code	Thread D	L	B	H1	H2	ØD	AG
------	----------	---	---	----	----	----	----



DF/DF-C XDF	M6 (1/4-20 UNC)	25,5 (1")	10,4 (.41")	14,5 (.57")	5,5 (.22")	11,8 (.46")	10x2,2 (.39"x.08")
------------------------------	--------------------	--------------	----------------	----------------	---------------	----------------	-----------------------



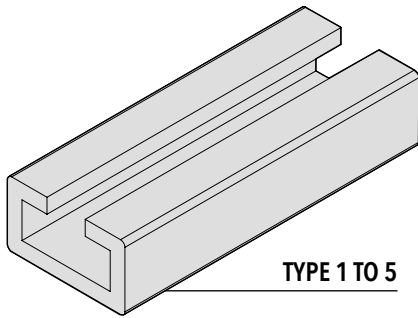
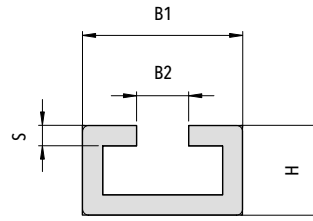
DF XDF	M8 (5/16-18 UNC)	25,5 (1")	10,4 (.41")	13,5 (.53")	5 (.20")	13,8 (.54")	10x2,2 (.39"x.08")
-------------------------	---------------------	--------------	----------------	----------------	-------------	----------------	-----------------------

Code **DF / DF-C** (Steel C20)
 Code **XDF** (Stainless Steel AISI 316L)



BB P MOUNTING HEAVY RAIL

AVAILABLE LENGTHS 1 m / 2 m



TYPE 1 TO 5

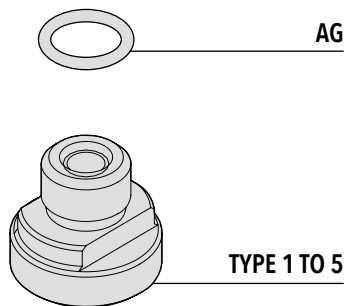
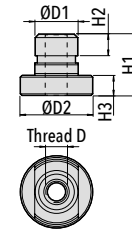
Code **BB P** (Carbon Steel S 235 JR)
Code **XBB P** (Stainless Steel AISI 316L)

Code	B1	B2	H	S
BB P XBB P	40 (1.57")	13 (.51")	22 (.86")	5 (.19")

64

DF PS+AG RAIL NUT WITH RUBBER RING

FOR MOUNTING HEAVY RAIL



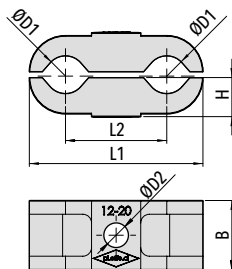
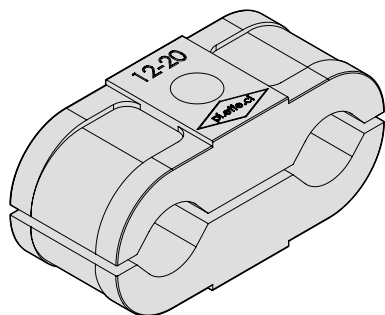
TYPE 1 TO 5

Code **DF PS** (Carbon Steel S 235 JR)
Code **XDF PS** (Stainless Steel AISI 316L)

Code	ØD1	ØD2	H1	H2	H3	Thread D	AG
DF1 PS XDF1 PS + AG	11,8 (.46")	20 (.79")	17 (.67")	6 (.24")	5,6 (.22")	M6 (1/4-20 UNC)	10x2,2 (.39"x.09")
DF2-5 PS XDF2-5 PS + AG	13,6 (.53")	20 (.79")	16,5 (.65")	5,2 (.20")	5,5 (.21")	M8 (5/16-18 UNC)	10x2,2 (.39"x.09")

AL CF CLAMP BODY

TWO CLAMP HALVES
(FOR PIPES AND HOSES)



PIPE CLAMPS **TWIN SERIES**
Order Codes and Dimensions (mm/in)



Code	Outside pipe diameter	L1	L2	B	ØD1	ØD2	H
AL CF 12-20	12-20 (.47-.79")	60 (2.36")	35 (1.38")	24 (.94")	12-20 (.47-.79")	8,5 (.33")	13,5 (.53")

ORDER EXAMPLE

AL CF 12-20

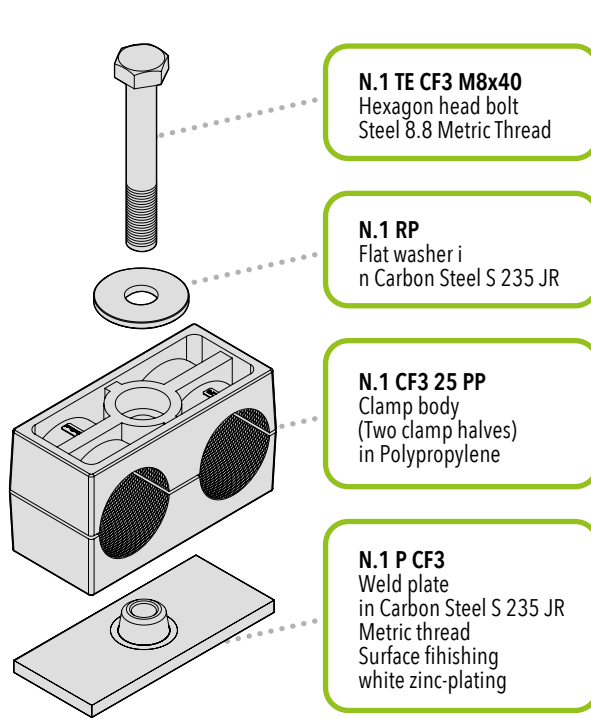
FOR USE WITH M8 SCREW
(length depending on application features)

Code AL CF (Material AL)

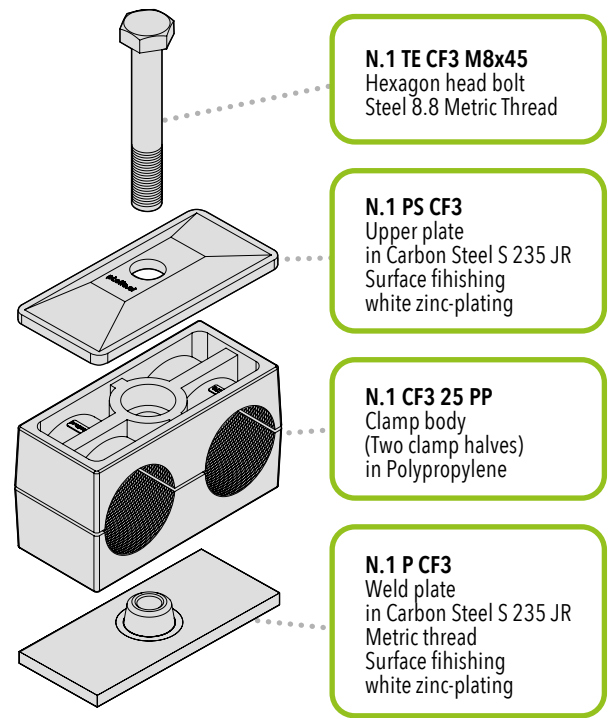
PIPE CLAMPS
TWIN SERIES

**MOUNTING EXAMPLE 01**

Mounting Example of complete clamp CF3 in Polypropylene for pipe with outside diameter of 25 mm with single weld plate and flat washer.

**MOUNTING EXAMPLE 02**

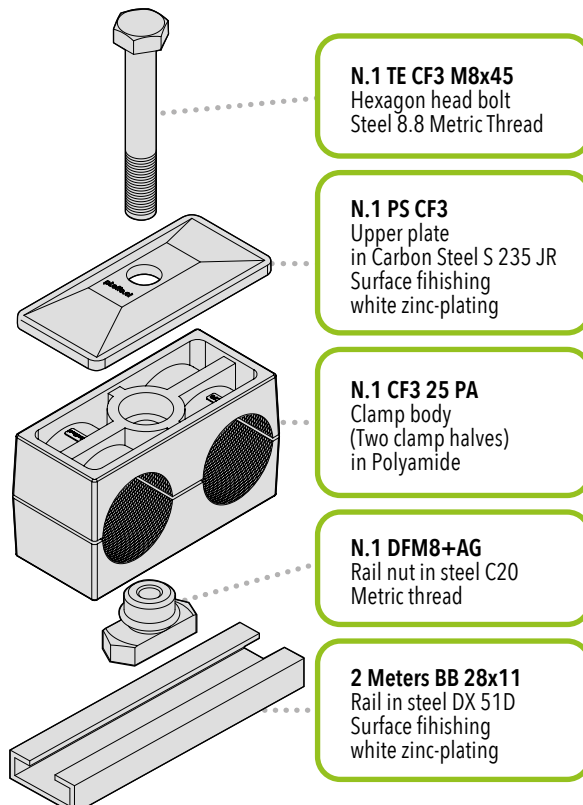
Mounting Example of complete clamp CF3 in Polypropylene for pipe with outside diameter of 25 mm with single weld plate and upper plate.



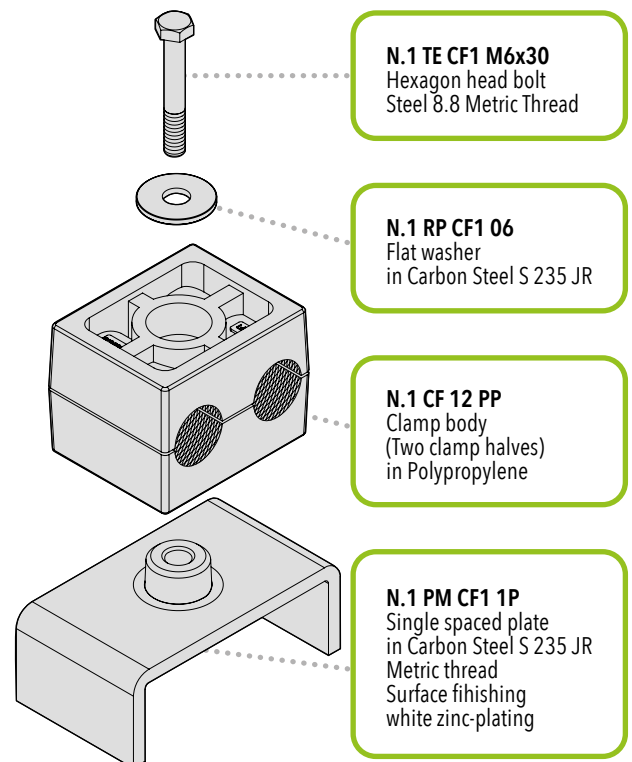
66

MOUNTING EXAMPLE 03

Mounting Example of complete stacked clamp CF3 in Polyamide for pipe with outside diameter of 25 mm, mounting rail nut.

**MOUNTING EXAMPLE 04**

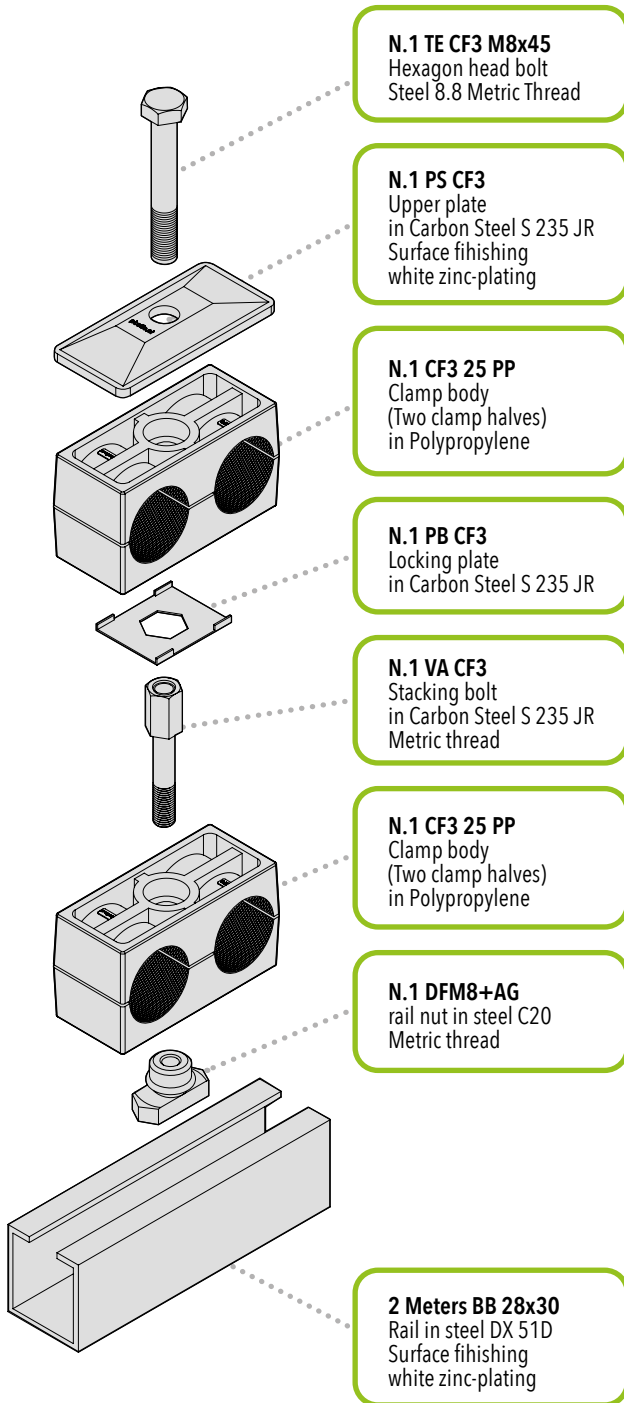
Mounting Example of complete clamp CF1 in Polypropylene for pipe with outside diameter of 12 mm, single spaced plate with upper plate.





MOUNTING EXAMPLE 05

Mounting Example of complete stacked clamp CF3 in Polypropylene for pipe with outside diameter of 25 mm, mounting rail nut.



N.1 TE CF3 M8x45
 Hexagon head bolt
 Steel 8.8 Metric Thread

N.1 PS CF3
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

N.1 CF3 25 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 PB CF3
 Locking plate
 in Carbon Steel S 235 JR

N.1 VA CF3
 Stacking bolt
 in Carbon Steel S 235 JR
 Metric thread

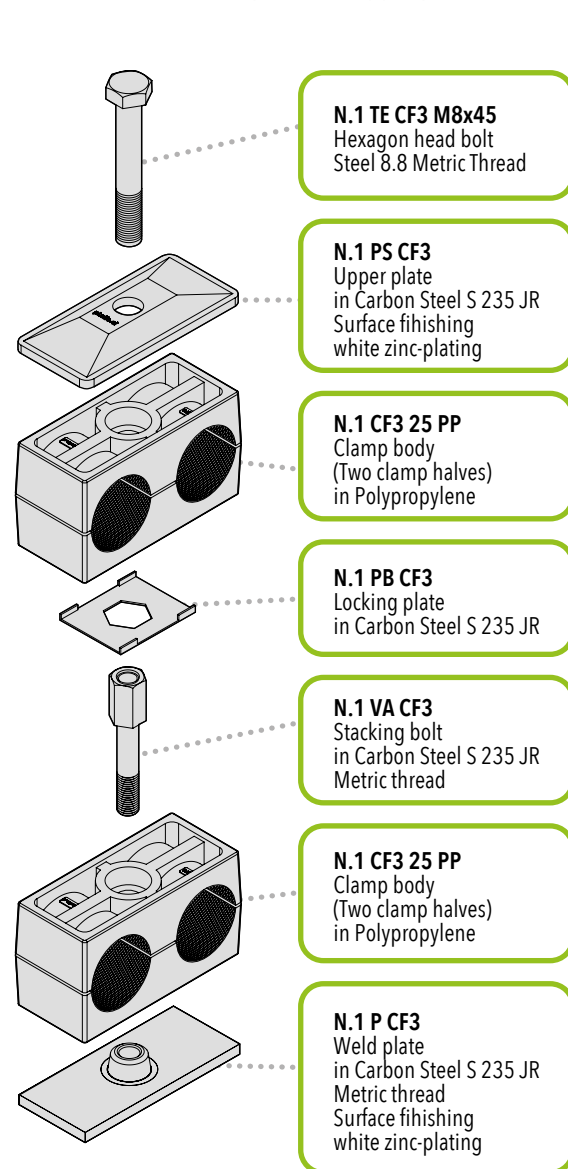
N.1 CF3 25 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 DFM8+AG
 rail nut in steel C20
 Metric thread

2 Meters BB 28x30
 Rail in steel DX 51D
 Surface finishing
 white zinc-plating

MOUNTING EXAMPLE 06

Mounting Example of complete stacked clamp CF3 in Polypropylene for pipe with outside diameter of 25 mm, with single weld plate and upper plate.



N.1 TE CF3 M8x45
 Hexagon head bolt
 Steel 8.8 Metric Thread

N.1 PS CF3
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

N.1 CF3 25 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 PB CF3
 Locking plate
 in Carbon Steel S 235 JR

N.1 VA CF3
 Stacking bolt
 in Carbon Steel S 235 JR
 Metric thread

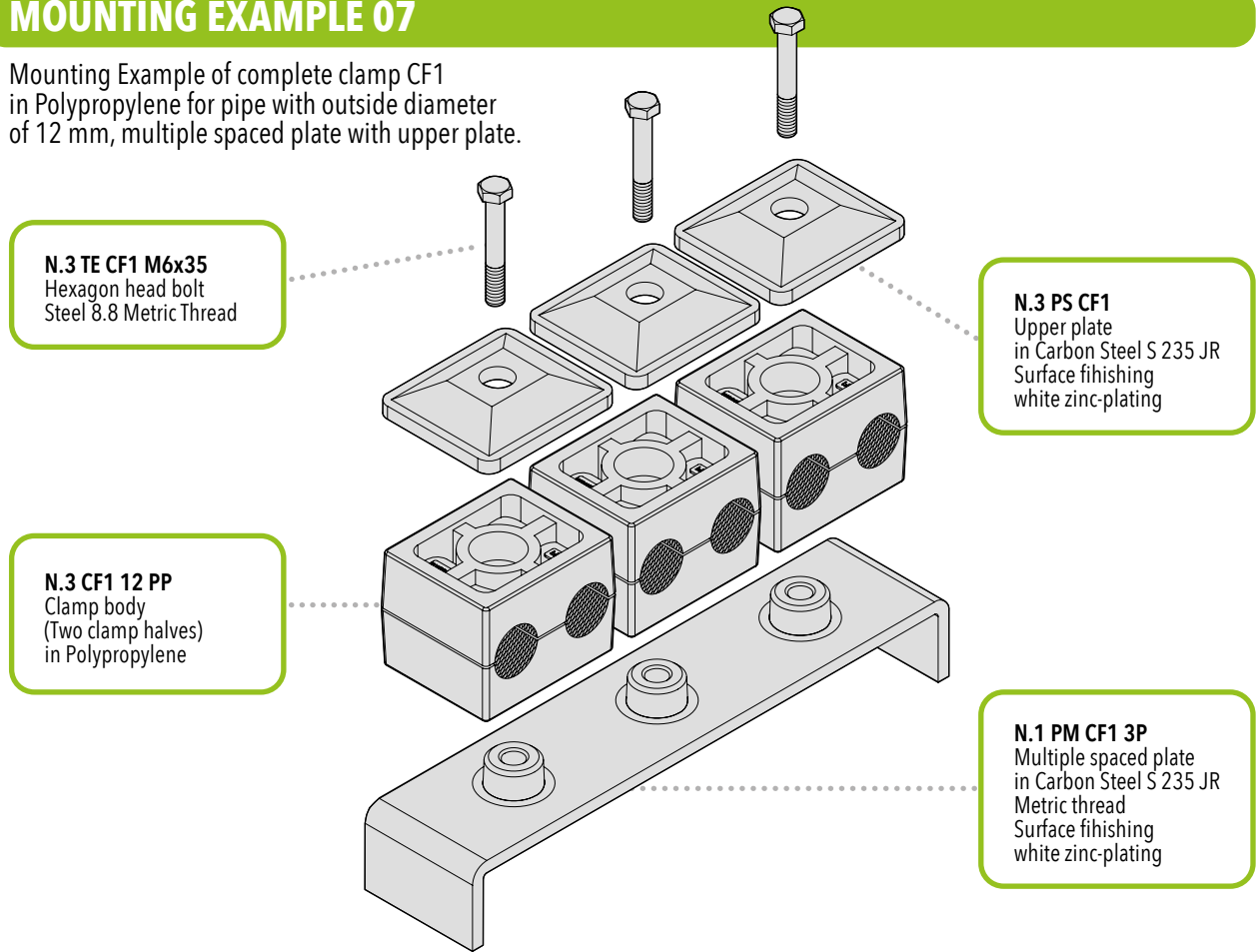
N.1 CF3 25 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 P CF3
 Weld plate
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating



MOUNTING EXAMPLE 07

Mounting Example of complete clamp CF1 in Polypropylene for pipe with outside diameter of 12 mm, multiple spaced plate with upper plate.



N.3 TE CF1 M6x35
 Hexagon head bolt
 Steel 8.8 Metric Thread

N.3 PS CF1
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

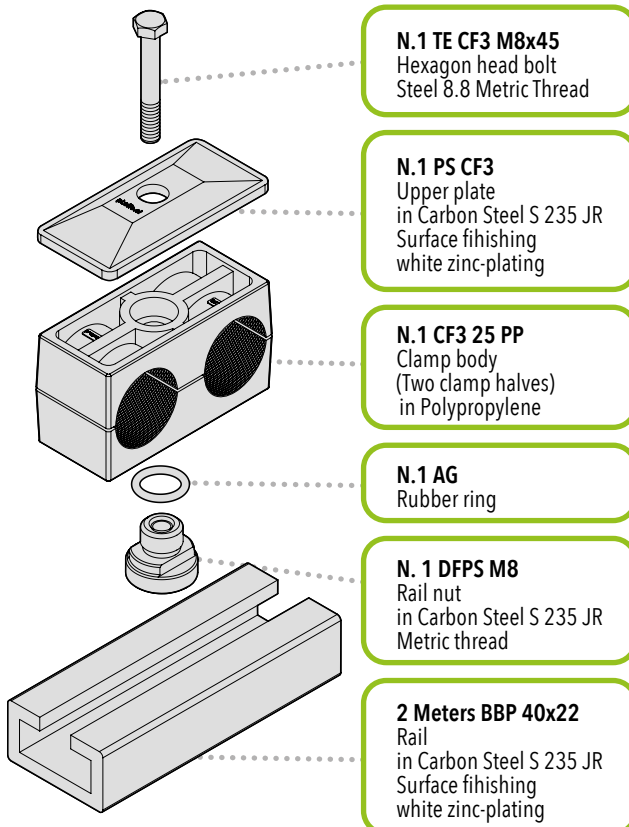
N.3 CF1 12 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 PM CF1 3P
 Multiple spaced plate
 in Carbon Steel S 235 JR
 Metric thread
 Surface finishing
 white zinc-plating

68

MOUNTING EXAMPLE 08

Complete clamp CF3 in Polypropylene for pipe with outside diameter of 25 mm, mounting special rail nut.



N.1 TE CF3 M8x45
 Hexagon head bolt
 Steel 8.8 Metric Thread

N.1 PS CF3
 Upper plate
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating

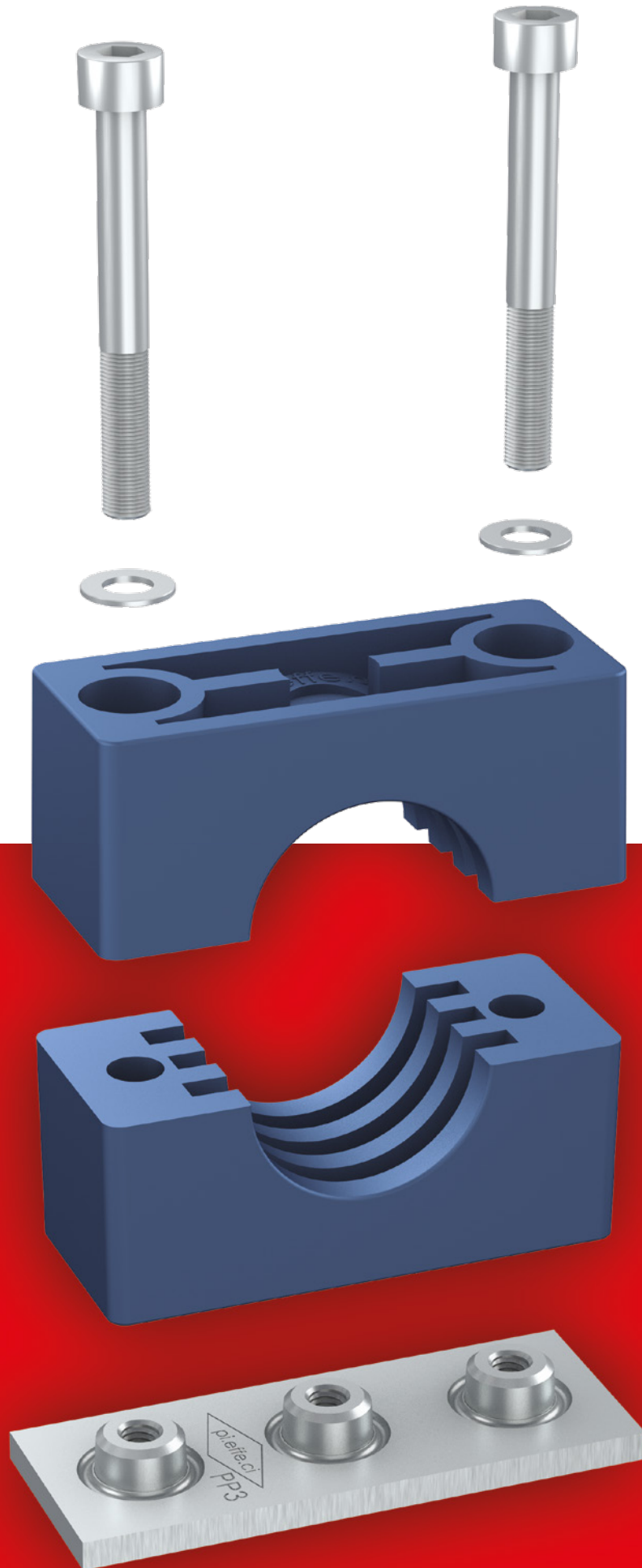
N.1 CF3 25 PP
 Clamp body
 (Two clamp halves)
 in Polypropylene

N.1 AG
 Rubber ring

N.1 DFPS M8
 Rail nut
 in Carbon Steel S 235 JR
 Metric thread

2 Meters BBP 40x22
 Rail
 in Carbon Steel S 235 JR
 Surface finishing
 white zinc-plating







PIPE CLAMPS **SPECIAL SERIES**

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Rubber Elastomer
Colour **Black**
Code **GM**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

Clamp body internal surface:
profiled

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 235 JR with finishing surface in white zinc-coated
Fe Zn c8 II.
Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with **X** identification code.

Metric thread: code **M**
UNC thread: code **UNC**.

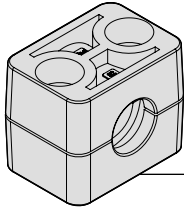
For Material Characteristics, see Technical Appendix (page 147).



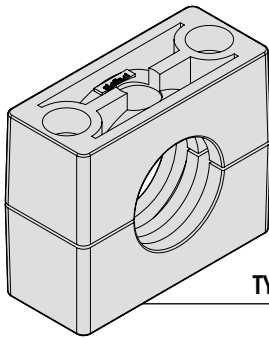


S CLAMP BODY

TWO CLAMP HALVES



TYPE 2

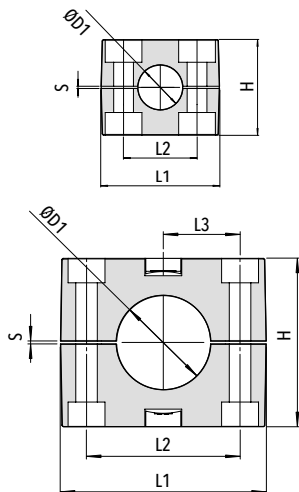


TYPE 3

PIPE CLAMPS
SPECIAL SERIES

72

Code S (Material PP - PA - GM - AU)



ORDER CODE

CLAMP BODY CODE	OUTSIDE DIAMETER (mm)	MATERIAL
-----------------	-----------------------	----------

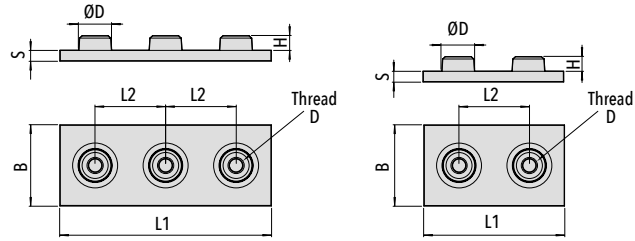
EXAMPLE

Clamp body type: 2
Material: PP
Outside diameter: 15 mm
Order code: **S2 - 15 - PP**

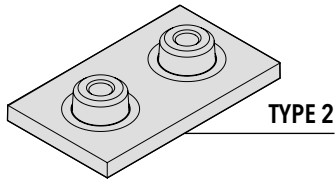
Code	O.D. ØD1		L1	L2	L3	H	S	Width
	mm	nominal bore pipe						
	8							
	10	1/8"						
	12							
S2	14		43	26	...	33	0,8	30
	15		(1.69")	(1.02")		(1.30")	(.04")	(1.18")
	16							
	17,2	3/8"						
	18							
	20							
	21,3	1/2"						
	22							
	23							
	25							
	26,9	3/4"						
S3	28		70	52	26	57	1	30
	30		(2.75")	(2.05")	(1.02")	(2.24")	(.04")	(1.18")
	32							
	33,7	1"						
	35							
	38							
	40							
	42,4	1.1/4"						



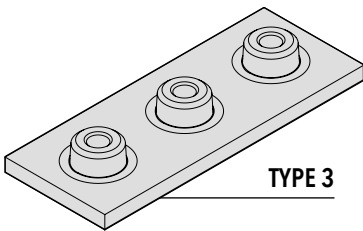
PP SINGLE WELD PLATE



Code	L1	L2	B	S	H	ØD	Thread D
------	----	----	---	---	---	----	----------



PP2 XPP2	52 (2.05")	26 (1.02")	30 (1.18")	4 (.16")	5,5 (.22")	12 (.47")	M6 (1/4-20 UNC)
---------------------------	---------------	---------------	---------------	-------------	---------------	--------------	--------------------

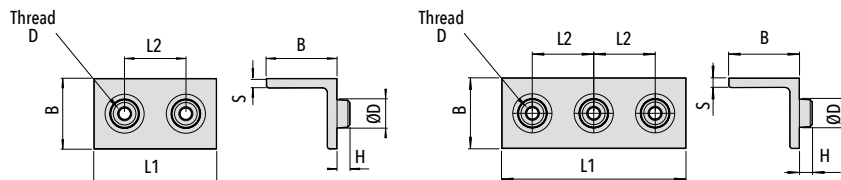


PP3 XPP3	78 (3.07")	26 (1.02")	30 (1.18")	4 (.16")	5,5 (.22")	12 (.47")	M6 (1/4-20 UNC)
---------------------------	---------------	---------------	---------------	-------------	---------------	--------------	--------------------

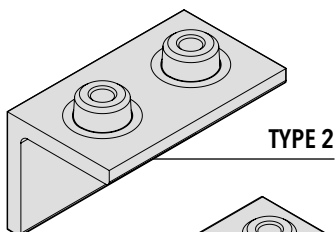
Code **PP** (Carbon Steel S 235 JR)
Code **XPP** (Stainless Steel AISI 316L).

PIPE CLAMPS
SPECIAL SERIES

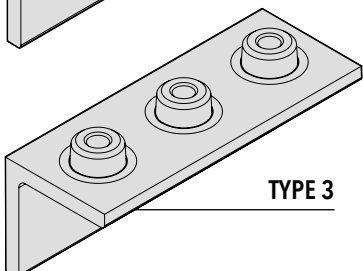
PA ANGLED SINGLE WELD PLATE



Code	L1	L2	B	S	H	ØD	Thread D
------	----	----	---	---	---	----	----------



PA2 XPA2	52 (2.05")	26 (1.02")	30 (1.18")	4 (.16")	5,5 (.22")	12 (.47")	M6 (1/4-20 UNC)
---------------------------	---------------	---------------	---------------	-------------	---------------	--------------	--------------------

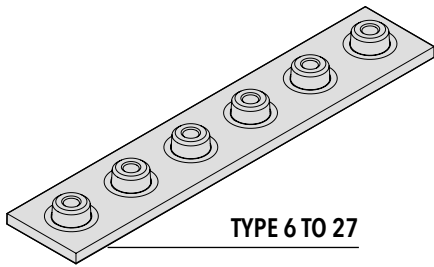
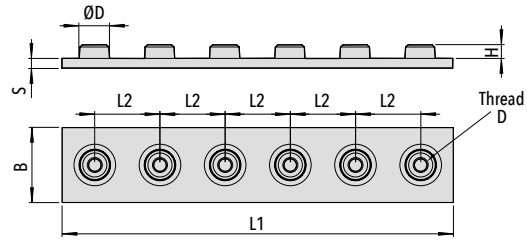


PA3 XPA3	78 (3.07")	26 (1.02")	30 (1.18")	4 (.16")	5,5 (.22")	12 (.47")	M6 (1/4-20 UNC)
---------------------------	---------------	---------------	---------------	-------------	---------------	--------------	--------------------

Code **PA** (Carbon Steel S 235 JR)
Code **XPA** (Stainless Steel AISI 316L).



PPM MULTIPLE WELD PLATE



TYPE 6 TO 27

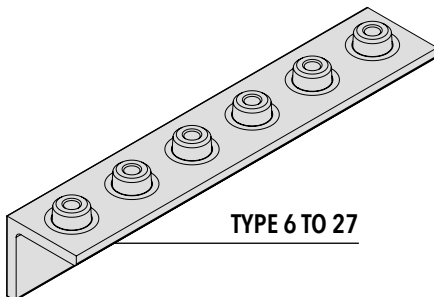
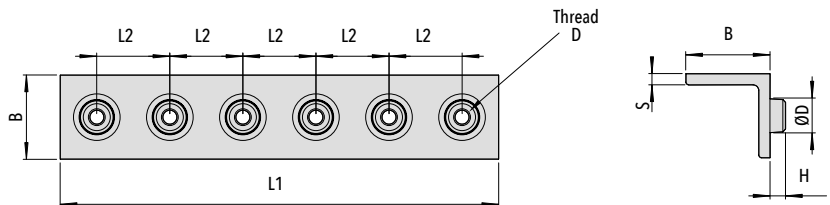
Code	L1	L2	B	S	H	ØD	Thread D
PPM5 XPPM5	130 (5.12")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM6 XPPM6	156 (6.14")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM7 XPPM7	182 (7.17")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM9 XPPM9	234 (9.21")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM12 XPPM12	312 (12.28")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM15 XPPM15	390 (15.35")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM20 XPPM20	520 (20.47")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PPM27 XPPM27	702 (27.63")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)

Code PPM (Carbon Steel S 235 JR)
Code XPPM (Stainless Steel AISI 316L).

PIPE CLAMPS
SPECIAL SERIES

74

PAM ANGLED MULTIPLE WELD PLATE



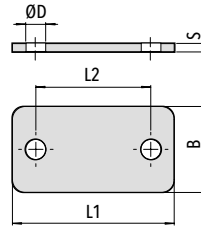
TYPE 6 TO 27

Code	L1	L2	B	S	H	ØD	Thread D
PAM5 XPAM5	130 (5.12")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM6 XPAM6	156 (6.14")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM7 XPAM7	182 (7.17")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM9 XPAM9	234 (9.21")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM12 XPAM12	312 (12.28")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM15 XPAM15	390 (15.35")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM20 XPAM20	520 (20.47")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)
PAM27 XPAM27	702 (27.63")	26 (1.02")	30 (1.18")	4 (.16")	6 (.23")	12 (.47")	M6 (1/4-20 UNC)

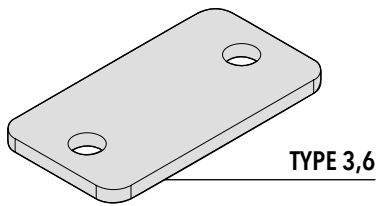
Code PAM (Carbon Steel S 235 JR)
Code XPAM (Stainless Steel AISI 316L).



PS UPPER PLATE



Code	L1	L2	B	S	ØD
------	----	----	---	---	----



PS3 XPS3	40,5 (1.59")	26 (1.02")	30 (1.18")	3 (.12")	7 (.28")
---------------------------	-----------------	---------------	---------------	-------------	-------------

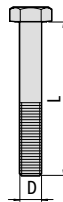
PS6 XPS6	69,5 (2.74")	52 (2.05")	30 (1.18")	3 (.12")	7 (.28")
---------------------------	-----------------	---------------	---------------	-------------	-------------

Code PS (Carbon Steel S 235 JR)
Code XPS (Stainless Steel AISI 316L)

PIPE CLAMPS
SPECIAL SERIES

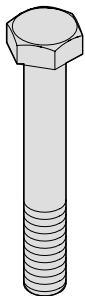
VE HEXAGON HEAD BOLT

ISO 4014 / 4017
FOR USE WITH UPPER PLATE PS



Code	Thread (D x L)
------	-------------------

VE3 XVE3	M6x35 (1/4-20 UNCx1.3/8")
---------------------------	------------------------------

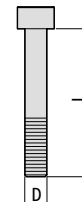


VE6 XVE6	M6x60 (1/4-20 UNCx2.3/8")
---------------------------	------------------------------

Code VE (Steel 8.8)
Code XVE (Stainless Steel A4)

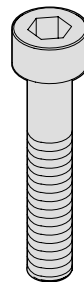
TCEI SOCKET CAP SCREW

ISO 4762



Code	Thread (D x L)
------	-------------------

TCEI3 XTCEI3	M6x25 (1/4-20 UNCx1")
-------------------------------	--------------------------



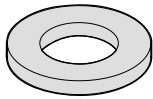
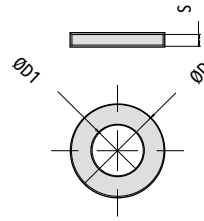
TCEI6 XTCEI6	M6x50 (1/4-20 UNCx2")
-------------------------------	--------------------------

Code TCEI (Steel 8.8)
Code XTCEI (Stainless Steel AISI 316L)



RP FLAT WASHER

FOR USE WITH SCREW TCEI



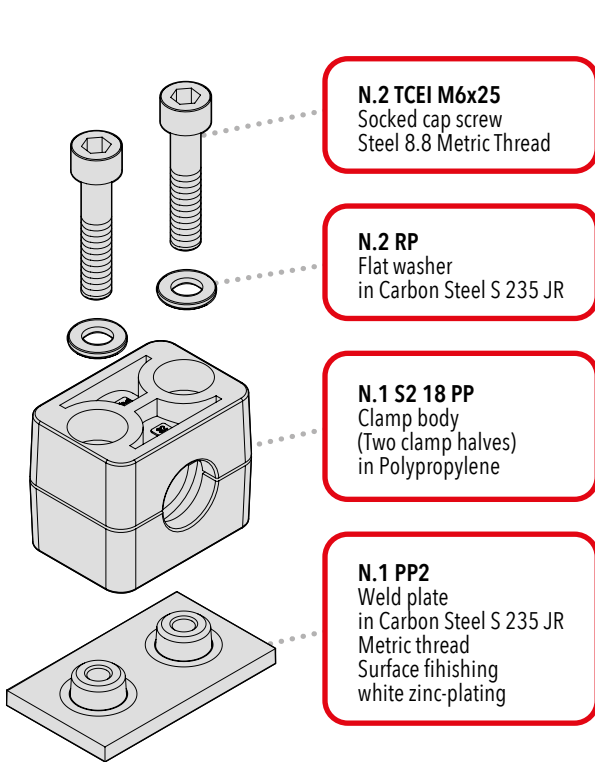
Code	ØD	ØD1	S
RP XRP	11,5 (.45")	6,3 (.25")	0,8 (.03")

Code RP (Carbon Steel S 235 JR)**Code XRP** (Stainless Steel AISI 316L)



MOUNTING EXAMPLE 01

Mounting Example of complete clamp S2 in Polypropylene for pipe with outside diameter of 18 mm, with single weld plate.



N.2 TCEI M6x25
Socketed cap screw
Steel 8.8 Metric Thread

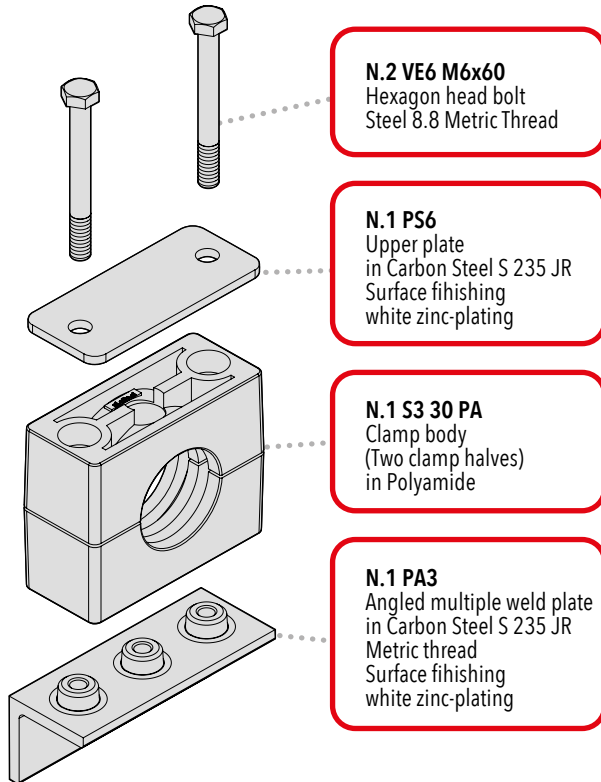
N.2 RP
Flat washer
in Carbon Steel S 235 JR

N.1 S2 18 PP
Clamp body
(Two clamp halves)
in Polypropylene

N.1 PP2
Weld plate
in Carbon Steel S 235 JR
Metric thread
Surface finishing
white zinc-plating

MOUNTING EXAMPLE 02

Mounting Example of complete clamp S3 in Polyamide for pipe with outside diameter of 30 mm, with angled single weld plate.

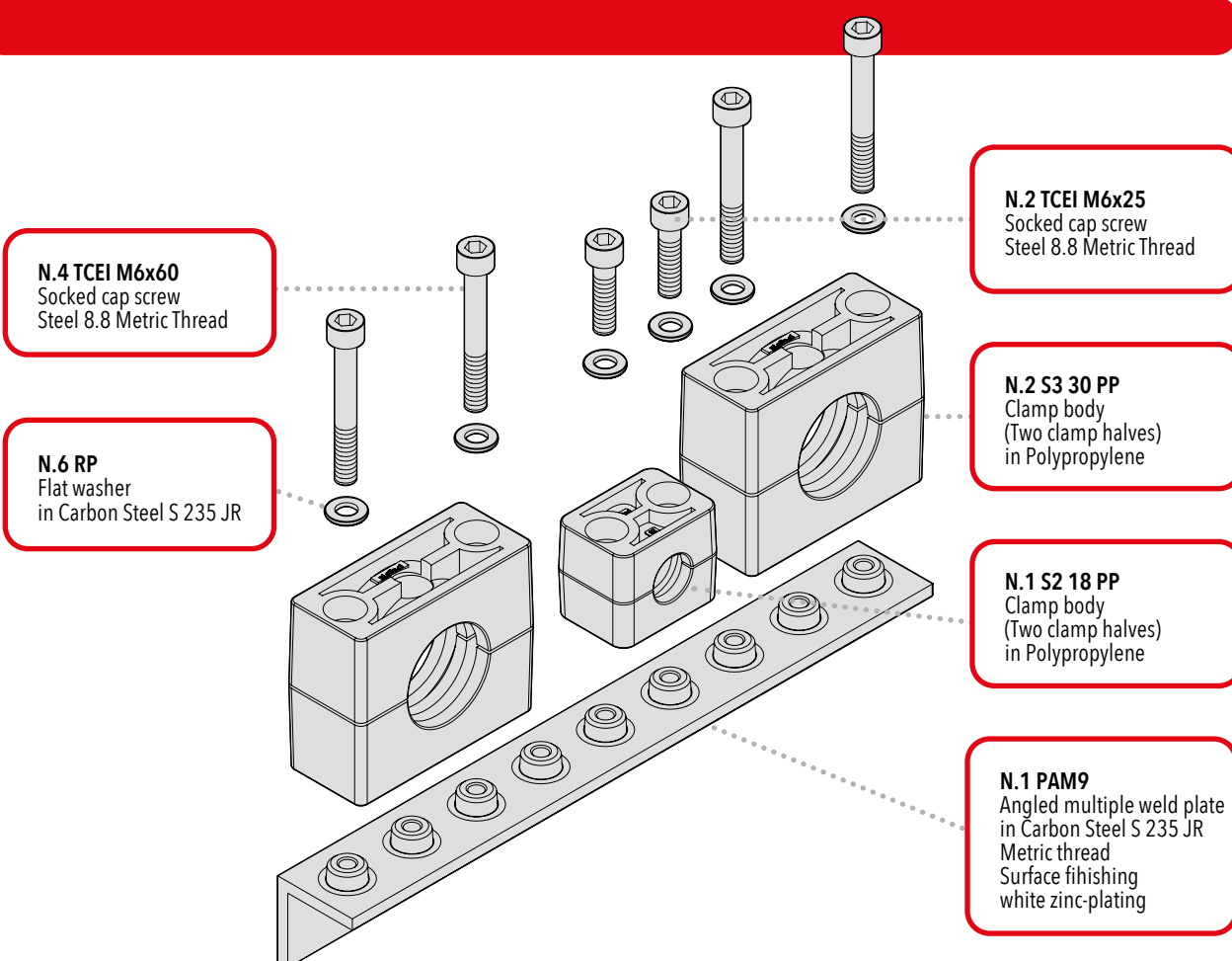


N.2 VE6 M6x60
Hexagon head bolt
Steel 8.8 Metric Thread

N.1 PS6
Upper plate
in Carbon Steel S 235 JR
Surface finishing
white zinc-plating

N.1 S3 30 PA
Clamp body
(Two clamp halves)
in Polyamide

N.1 PA3
Angled multiple weld plate
in Carbon Steel S 235 JR
Metric thread
Surface finishing
white zinc-plating



N.4 TCEI M6x60
Socketed cap screw
Steel 8.8 Metric Thread

N.6 RP
Flat washer
in Carbon Steel S 235 JR

N.2 TCEI M6x25
Socketed cap screw
Steel 8.8 Metric Thread

N.2 S3 30 PP
Clamp body
(Two clamp halves)
in Polypropylene

N.1 S2 18 PP
Clamp body
(Two clamp halves)
in Polypropylene

N.1 PAM9
Angled multiple weld plate
in Carbon Steel S 235 JR
Metric thread
Surface finishing
white zinc-plating

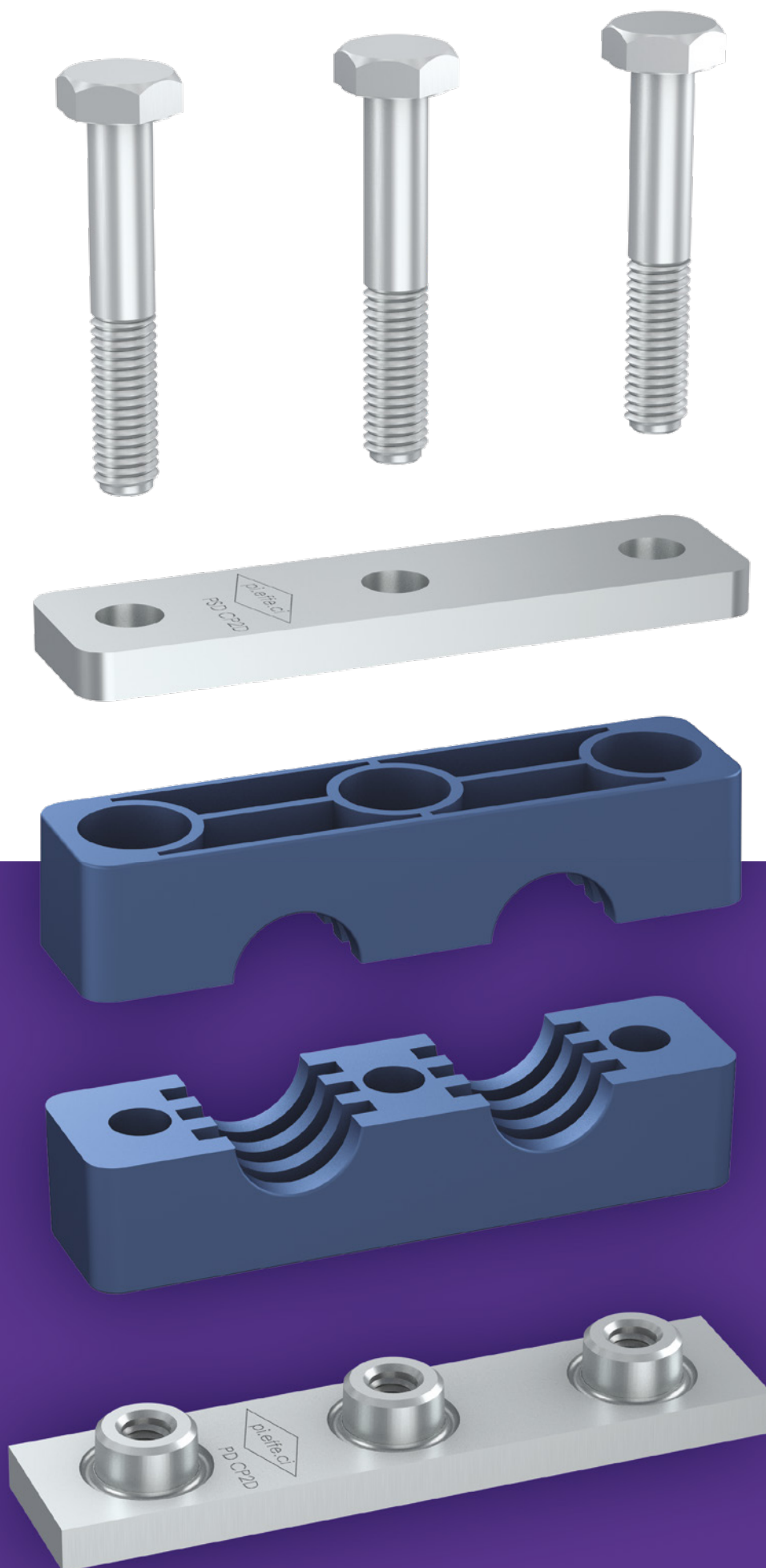


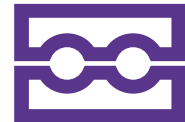
PIPE CLAMPS **HEAVY SERIES TWIN DESIGN**

Order Codes and Dimensions (mm/in)

PIPE CLAMPS **HEAVY SERIES TWIN DESIGN**

78





PIPE CLAMPS **HEAVY SERIES TWIN DESIGN**

79

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

ON REQUEST, ANY CLAMP BODY CAN BE SUPPLIED
WITH TWO DIFFERENT DIAMETERS.

Clamp body internal surface:
profiled

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 275 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with X identification code.

The **BBP** track is treated with zinc-coating Fe Zn c8 II.

Metric thread: code **M**
UNC thread: code **UNC**.

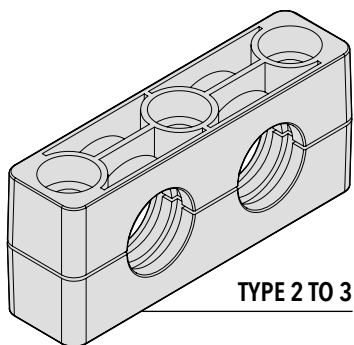
For Material Characteristics, see Technical Appendix (page 147).





CP D CLAMP BODY

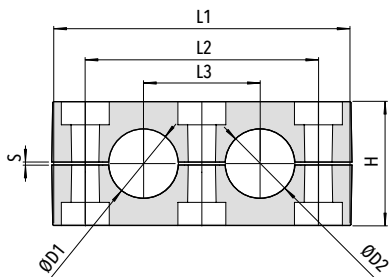
TWO CLAMP HALVES



TYPE 2 TO 3

80

Code CP D (Material PP - PA - AU)



ORDER CODE

CLAMP BODY CODE	OUTSIDE DIAMETER (mm)	MATERIAL
-----------------	-----------------------	----------

EXAMPLE

Clamp body type: 2
Material: PP
Outside diameter: 15 mm
Order code: **CP2 D - 22 - PP**

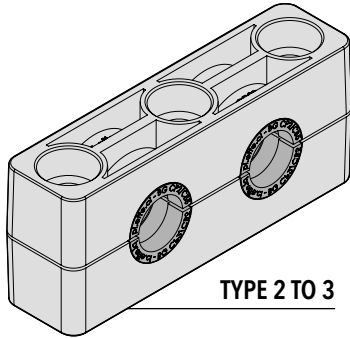
Code	Outside Diameter ØD		L1	L2	L3	H	S	Width
	mm	nominal bore pipe in						
	19	3/4"						
	20							
	21,3	1/2"						
	22	7/8"						
CP2 D			115 (4.53")	90 (3.54")	45 (1.77")	48 (1.89")	1 (.04")	30 (1.18")
	25,4	1"						
	26,9	3/4"						
	28							
	30							
	32	1.1/4"						
	33,7	1"						
CP3 D	38	1.1/2"	145 (5.71")	120 (4.72")	60 (2.36")	60 (2.36")	1,2 (.05")	30 (1.18")
	40							
	42,4	1.1/4"						



CPD B CLAMP BODY

WITH RUBBER BUSHING

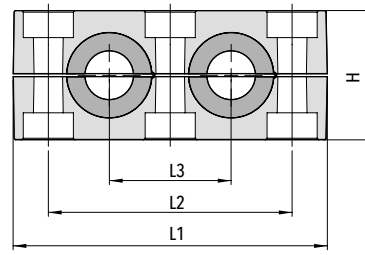
TWO CLAMP HALVES



TYPE 2 TO 3

ORDER EXAMPLE

CP2 DB - PP

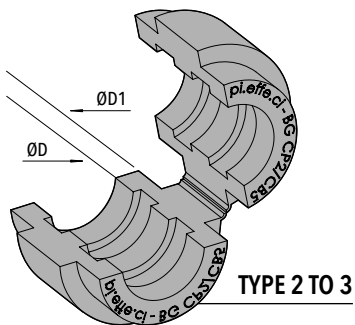


Code	L1	L2	L3	H	S	Width
CP2 DB	115 (4.53")	90 (3.54")	45 (1.77")	48 (1.89")	1 (.04")	30 (1.18")
CP3 DB	145 (5.71")	120 (4.72")	60 (2.36")	60 (2.36")	1,2 (.05")	30 (1.18")

Code CPD B (Material PP - PA - AU)

PIPE CLAMPS
HEAVY SERIES TWIN DESIGN

BG RUBBER BUSHING



TYPE 2 TO 3

Code BG (Material GM)

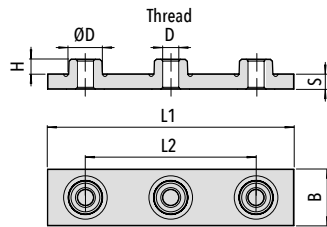
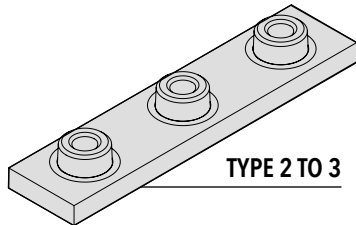
ORDER EXAMPLE

BG CP2 B - 15

Code	Outside Diameter ØD		ØD1	Width
	mm	nominal bore pipe in		
	6			
	8	5/16"		
	10	1/8"		
	12			
	12,7	1/2"		
BG CP2 B	14		25 (.98")	30 (1.18")
	15			
	16	5/8"		
	17,2	3/8"		
	18			
	19	3/4"		
	20			
	21,3	1/2"		
	22	7/8"		
BG CP3 B	25		38 (1.50")	30 (1.18")
	26,9	3/4"		
	28			
	30			
	32	1.1/4"		



PD CP WELD PLATE



Code PD CPD (Carbon Steel S 275 JR)
Code XPD CPD (Stainless Steel AISI 316L).

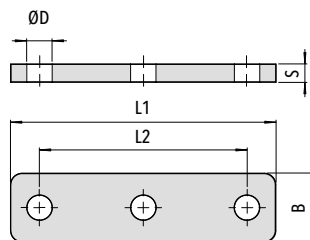
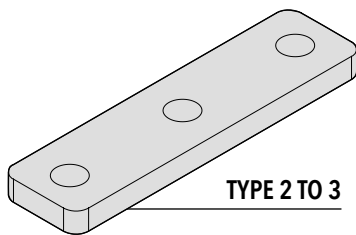
Code	Thread D	L1	L2	B	S	H	ØD
------	-------------	----	----	---	---	---	----

PD CP2D XPD CP2D	M10 (3/8-16 UNC)	130 (5.12")	90 (3.54")	30 (1.18")	8 (.31")	8 (.31")	18 (.71")
---------------------	---------------------	----------------	---------------	---------------	-------------	-------------	--------------

PD CP3D XPD CP3D	M10 (3/8-16 UNC)	160 (6.30")	120 (4.72")	30 (1.18")	8 (.31")	8 (.31")	18 (.71")
---------------------	---------------------	----------------	----------------	---------------	-------------	-------------	--------------

82

PSD CP UPPER PLATE



Code PSD CPD (Carbon Steel S 275 JR)
Code XPSD CPD (Stainless Steel AISI 316L).

Code	L1	L2	B	S	ØD
------	----	----	---	---	----

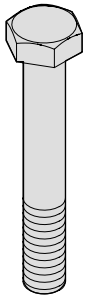
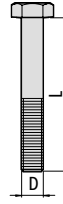
PSD CP2D XPSD CP2D	115 (4.53")	90 (3.54")	30 (1.18")	8 (.31")	11 (.43")
-----------------------	----------------	---------------	---------------	-------------	--------------

PSD CP3D XPSD CP3D	145 (5.71")	120 (4.72")	30 (1.18")	8 (.31")	11 (.43")
-----------------------	----------------	----------------	---------------	-------------	--------------



TE CP HEXAGON HEAD BOLT

ISO 4014 / 4017



Code **TE CP** (Steel 8.8)
 Code **XTE CP** (Stainless Steel A4)

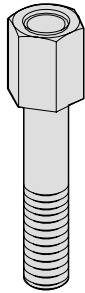
Code	Thread (D x L)
TE CP2 XTE CP2	M10x60 (3/8-16 UNC x 2-1/4")
TE CP3 XTE CP3	M10x70 (3/8-16 UNC x 2-3/4")

HEAVY SERIES TWIN DESIGN
 PIPE CLAMPS

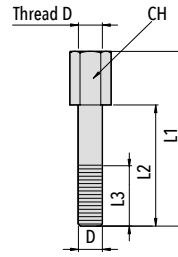


VA CP HIGH HEXAGON HEAD BOLT

FOR STACKED CLAMPS



Code **VA CP** (Carbon Steel S 235 JR)
Code **XVA CP** (Stainless Steel AISI 316L)



Code	Thread D	L1	L2	L3	CH
------	----------	----	----	----	----

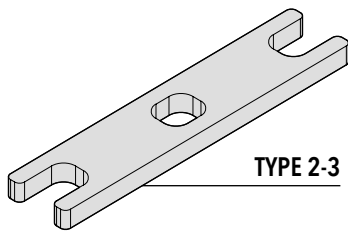
VA CP2 XVACP2	M10 (3/8-16 UNC)	65 (2.56")	40 (1.57")	18 (.71")	15 (.59")
--------------------------------	---------------------	---------------	---------------	--------------	--------------

VA CP3 XVA CP3	M10 (3/8-16 UNC)	77 (3.03")	51 (2.01")	18 (.71")	15 (.59")
---------------------------------	---------------------	---------------	---------------	--------------	--------------

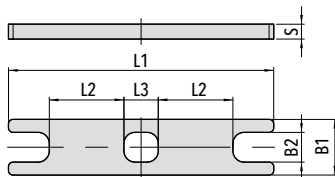
84

PB CPD LOCKING PLATE

FOR STACKED CLAMPS



TYPE 2-3



Code	L1	L2	L3	B1	B2	S
------	----	----	----	----	----	---

PB CP2D XPB CP2D	114 (4.49")	26 (1.02")	18,5 (.73")	30 (1.18")	16 (.63")	8 (.31")
-----------------------------------	----------------	---------------	----------------	---------------	--------------	-------------

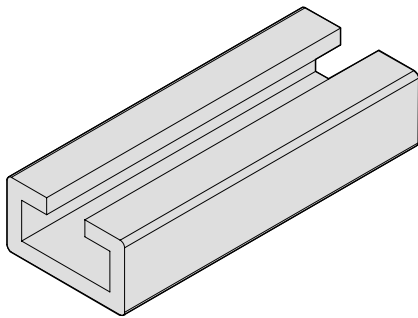
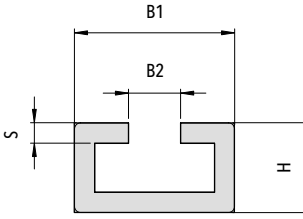
PB CP3D XPB CP3D	143 (5.63")	40 (1.57")	18,5 (.73")	30 (1.18")	16 (.63")	8 (.31")
-----------------------------------	----------------	---------------	----------------	---------------	--------------	-------------

Code **PB CPD** (Carbon Steel S 275 JR)
Code **XPB CPD** (Stainless Steel AISI 316L).



BB P MOUNTING HEAVY RAIL

AVAILABLE LENGTHS 1 m / 2 m



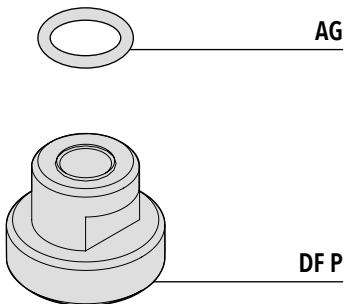
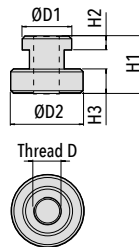
Code	B1	B2	H	S
BB P XBB P	40 (1.57")	13 (.51")	22 (.86")	5 (.19")

Code BB P (Carbon Steel S 235 JR)
Code XBB P (Stainless Steel AISI 316L)

HEAVY SERIES TWIN DESIGN
PIPE CLAMPS

DF P+AG RAIL NUT WITH RUBBER RING

FOR MOUNTING HEAVY RAIL



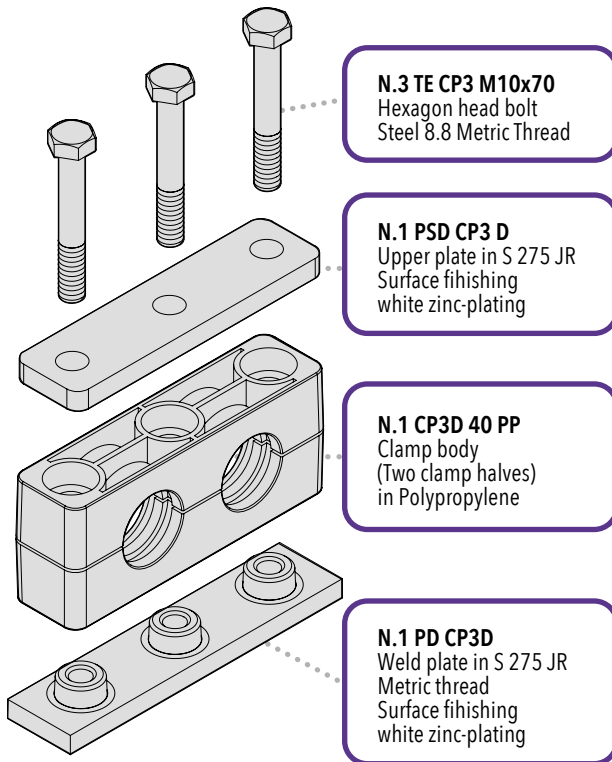
Code	ØD1	ØD2	H1	H2	H3	Thread D	AG
DF P XDF P + AG	17,7 (.70")	22 (.87")	21 (.83")	6,6 (.26")	7,4 (.29")	M10 (3/8-16 UNC)	15x2,62 (.59"x.10")

Code DF P (Carbon Steel S 235 JR)
Code XDF P (Stainless Steel AISI 316L)



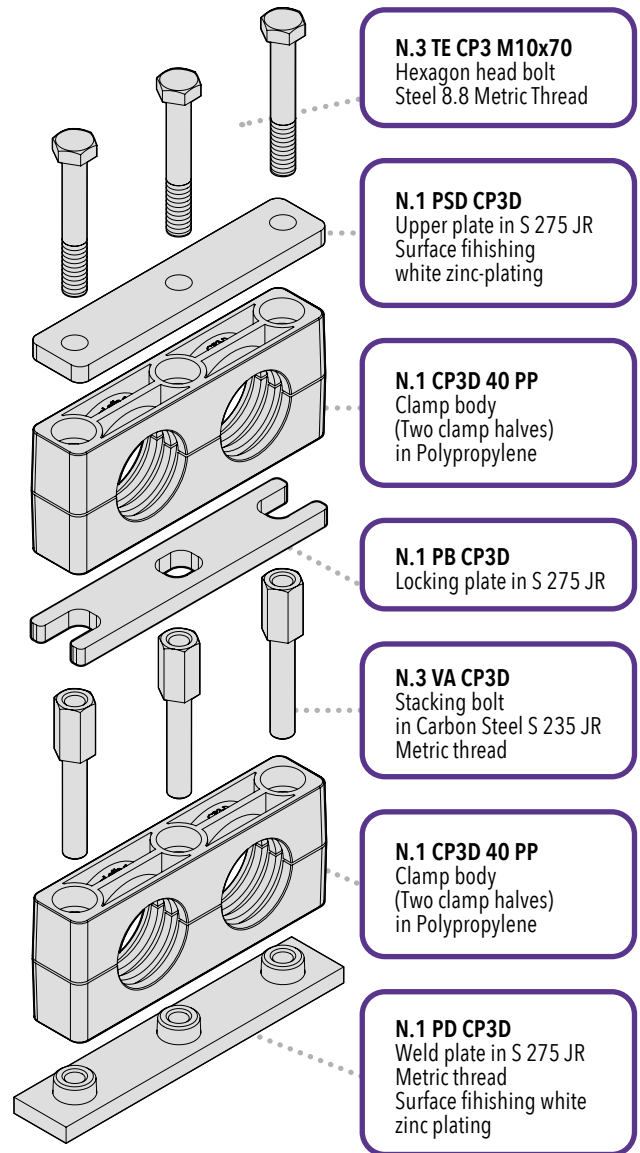
MOUNTING EXAMPLE 01

Mounting Example of complete clamp CP3-D in Polypropylene for pipe with outside diameter of 40 mm with single weld plate and upper plate.



MOUNTING EXAMPLE 02

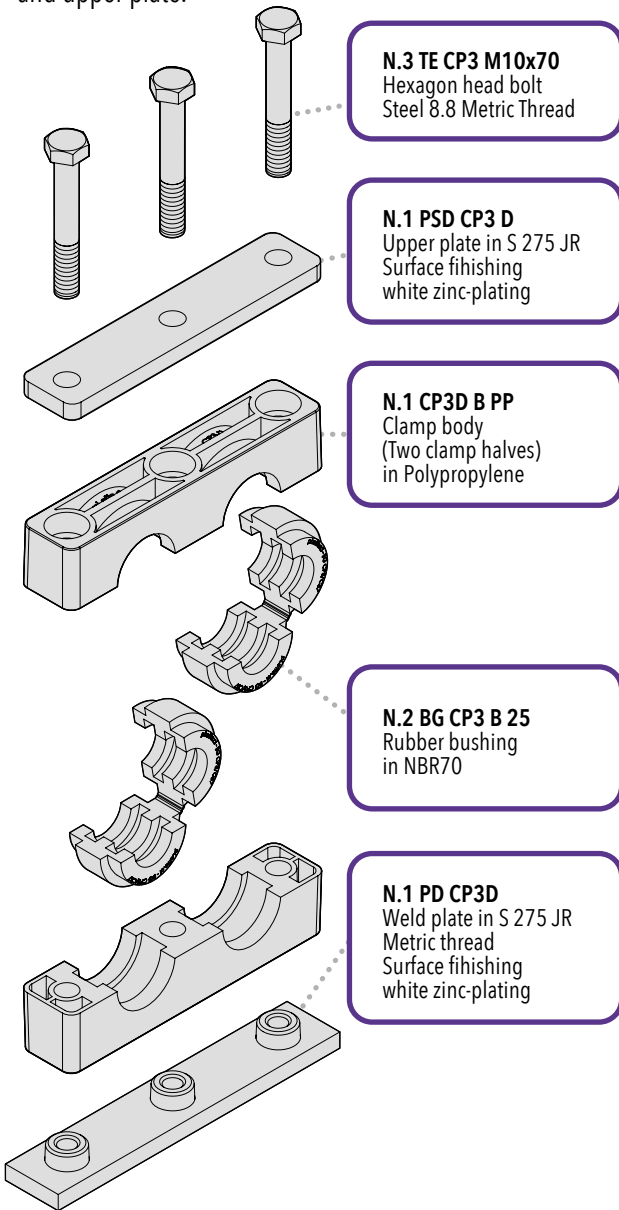
Mounting Example of complete stacked clamp CP3 D in Polypropylene for pipe with outside diameter of 40 mm with single weld plate and upper plate.





MOUNTING EXAMPLE 03

Mounting Example of complete clamp CP3D-B in Polypropylene with rubber bushing for pipe with outside diameter of 25 mm, with single weld plate and upper plate.



N.3 TE CP3 M10x70
Hexagon head bolt
Steel 8.8 Metric Thread

N.1 PSD CP3 D
Upper plate in S 275 JR
Surface finishing
white zinc-plating

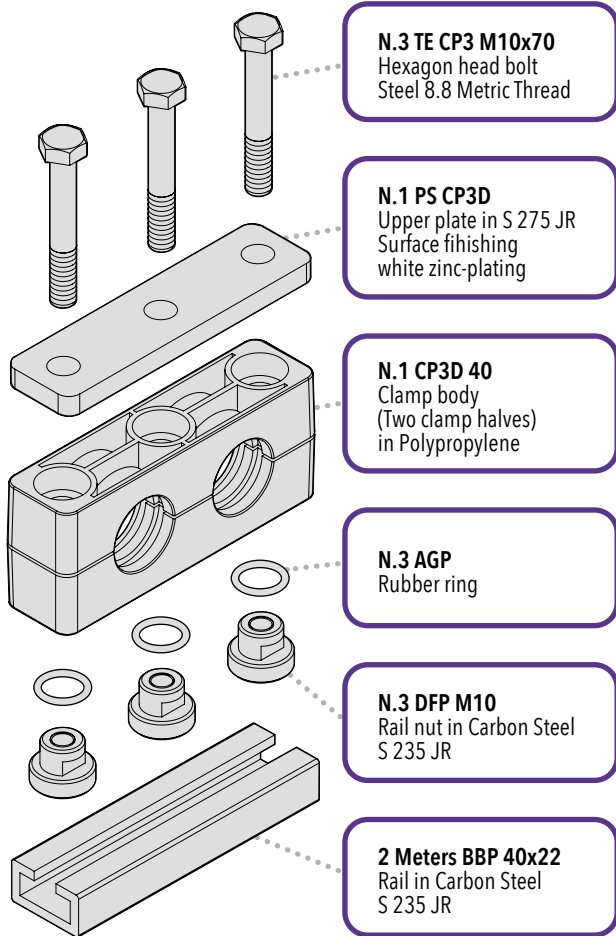
N.1 CP3D B PP
Clamp body
(Two clamp halves)
in Polypropylene

N.2 BG CP3 B 25
Rubber bushing
in NBR70

N.1 PD CP3D
Weld plate in S 275 JR
Metric thread
Surface finishing
white zinc-plating

MOUNTING EXAMPLE 04

Mounting Example of complete clamp CP3-D in Polypropylene for pipe with outside diameter of 40 mm, mounting rail nut.



N.3 TE CP3 M10x70
Hexagon head bolt
Steel 8.8 Metric Thread

N.1 PS CP3D
Upper plate in S 275 JR
Surface finishing
white zinc-plating

N.1 CP3D 40
Clamp body
(Two clamp halves)
in Polypropylene

N.3 AGP
Rubber ring

N.3 DFP M10
Rail nut in Carbon Steel
S 235 JR

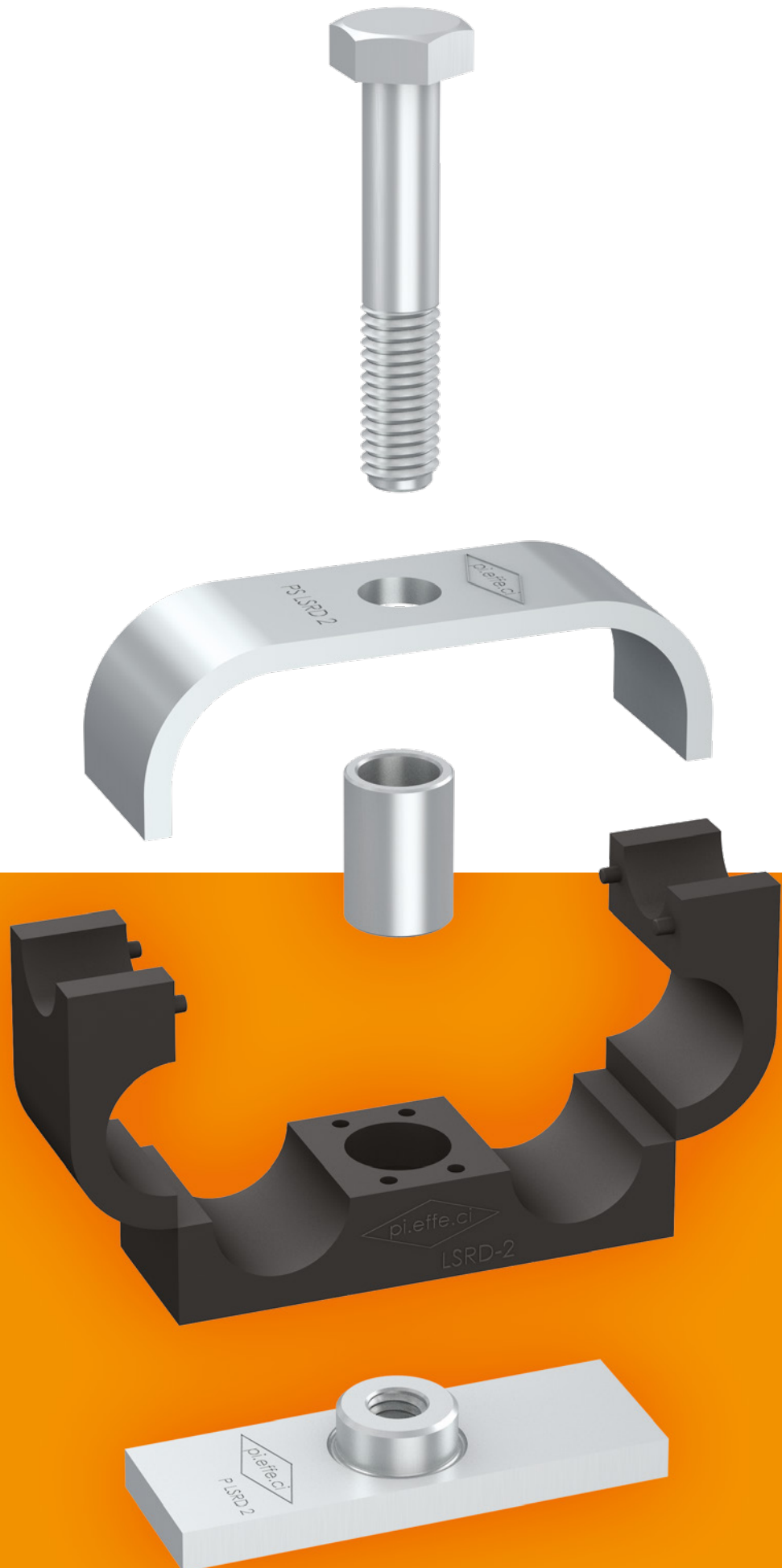
2 Meters BBP 40x22
Rail in Carbon Steel
S 235 JR



PIPE CLAMPS **LIGHT SERIES**
Order Codes and Dimensions (mm/in)

PIPE CLAMPS
LIGHT SERIES

88





PIPE CLAMPS **LIGHT SERIES**

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA6**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**



Rubber Elastomer
Colour **Black**
Code **GM**

DIFFERENT DIAMETERS AND MATERIALS AVAILABLE ON REQUEST.

ON REQUEST, ANY CLAMP BODY CAN BE SUPPLIED
WITH TWO DIFFERENT DIAMETERS.

Clamp body internal surface:
Smooth (A, B, C, LSRA, LSRD)
Profiled (LS, LSCF)

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 235 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

DIFFERENT MATERIALS AVAILABLE ON REQUEST.

The **BB** track is treated with zinc-plating SENDZIMIR.

Metric thread: code **M**
UNC thread: code **UNC**.

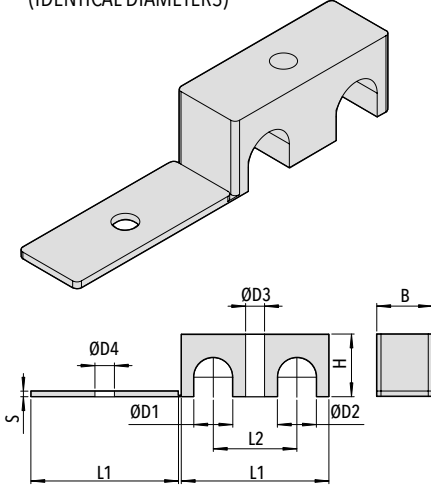
For Material Characteristics, see Technical Appendix (page 147).





A CLAMP BODY

(IDENTICAL DIAMETERS)



Code A (PP - PA6 - AU)

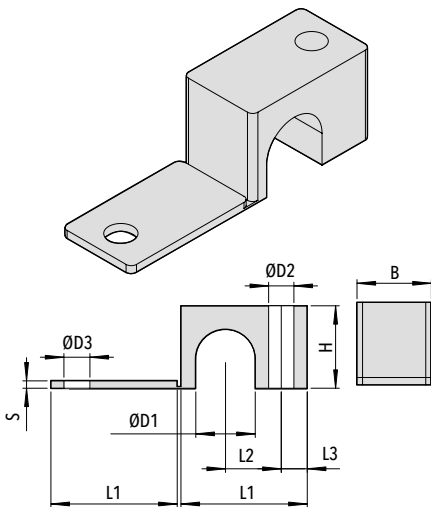
ORDER EXAMPLE

A - 6 - 6 - PP

Code	O.D. ØD1 / ØD2		L1	L2	B	H	S	ØD3	ØD4
	mm	nominal bore pipe in							
4									
6			31 (1.22")	18 (.71")	12,8 (.50")	10,5 (.41")	2 (.08")	6,8 (.27")	7 (.28")
8									
9,5		3/8"							
10		1/8"	39 (1.54")	22 (.87")	16 (.63")	15 (.59")	2 (.08")	6,8 (.27")	7 (.28")
12									
12,7		1/2"							
13,5		1/4"							
14									
15			53 (2.09")	30 (1.18")	20 (.79")	22,5 (.89")	2 (.08")	6,8 (.27")	7 (.28")
16		5/8"							
17,2		3/8"							
18									
19		3/4"							
20									
21,3		1/2"	70 (2.76")	38 (1.50")	20 (.79")	30 (1.18")	2 (.08")	6,8 (.27")	7 (.28")
22		7/8"							
25,4		1"							

90

B CLAMP BODY



Code B (PP - PA6 - AU)

ORDER EXAMPLE

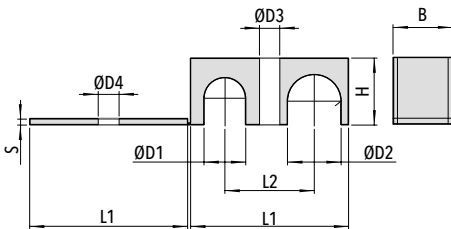
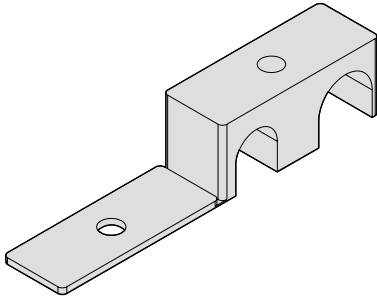
B - 10 - PP

Code	Outside Diameter ØD1		L1	L2	L3	B	H	S	ØD2	ØD3
	mm	nominal bore pipe in								
4										
6			22 (.87")	9 (.35")	6,5 (.26")	12,8 (.50")	10,5 (.41")	2 (.08")	6,8 (.27")	7 (.28")
8										
9,5		3/8"								
10		1/8"	27 (1.06")	11 (.43")	7 (.28")	16 (.63")	15 (.59")	2 (.08")	6,8 (.27")	7 (.28")
12										
12,7		1/2"								
13,5		1/4"								
14										
15			34 (1.34")	15 (.59")	7 (.28")	20 (.79")	22,5 (.89")	2 (.08")	6,8 (.27")	7 (.28")
16		5/8"								
17,2		3/8"								
18										
19		3/4"								
20										
21,3		1/2"	42 (1.65")	19 (.75")	7 (.28")	20 (.79")	30 (1.18")	2 (.08")	6,8 (.27")	7 (.28")
22		7/8"								
25,4		1"								



C CLAMP BODY

(DIFFERENT DIAMETERS)



Code C (PP - PA6 - AU)

Code	O.D. ØD1 / ØD2		L1	L2	B	H	S	ØD3	ØD4
	mm	nominal bore pipe in							
4-6									
4-8			31 (1.22")	18 (.71")	12,8 (.47")	10,5 (.41")	2 (.08")	6,8 (.27")	7 (.28")
6-8									
10-9,5	1/8"	3/8"							
12-9,5		3/8"	39 (1.54")	22 (.87")	16 (.63")	15 (.59")	2 (.08")	6,8 (.27")	7 (.28")
10-12	1/8"								
13,5-12,7	1/4"	1/2"							
14-12,7		1/2"							
15-12,7		1/2"							
16-12,7		1/2"							
17,2-12,7	3/8"	1/2"							
18-12,7		1/2"							
13,5-14	1/4"								
13,5-15	1/4"								
13,5-16	1/4"	5/8"							
13,5-17,2	1/4"-3/8"								
13,5-18	1/4"		53 (2.09")	30 (1.18")	20 (.79")	22,5 (.89")	2 (.08")	6,8 (.27")	7 (.28")
14-15									
14-16		5/8"							
17,2-14	3/8"								
14-18									
15-16		5/8"							
17,2-15	3/8"								
15-18									
17,2-16	3/8"	5/8"							
16-18									
17,2-18	3/8"								
20-19		3/4"							
21,3-19	1/2"	3/4"							
22-19		7/8"-3/4"							
25,4-19		1"-3/4"							
21,3-20	1/2"		70 (2.76")	38 (1.5")	20 (.79")	30 (1.18")	2 (.08")	6,8 (.27")	7 (.28")
22-20		7/8"							
21,3-22	1/2"	7/8"							
21,3-25,4	1/2"	1"							
22-25,4		7/8"-1							

C

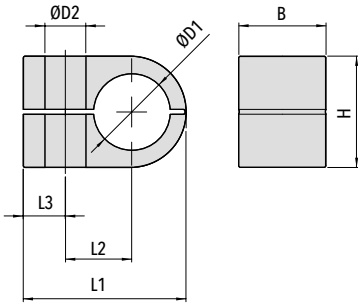
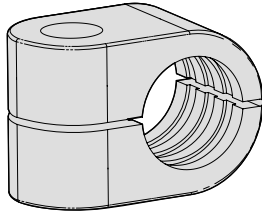
PIPE CLAMPS
LIGHT SERIES

ORDER EXAMPLE

C - 15-12,7 - PP



LS CLAMP BODY



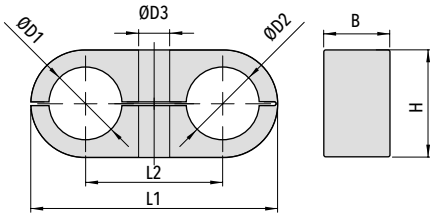
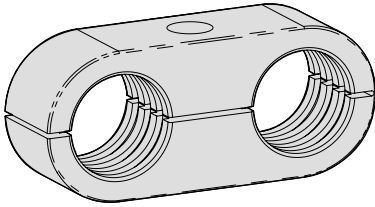
Code	Outside Diameter ØD1		L1	L2	L3	B	H	ØD2
	mm	nominal bore pipe in						
LS1	6							
	6,4	1/4"	22 (.87")	9 (.35")	7 (.28")	14,5 (.57")	13,5 (.53")	6,8 (.27")
	8	5/16"						
LS2	8	5/16"						
	9,5	3/8"						
	10	1/8"	27 (1.06")	11 (.43")	7 (.28")	14,5 (.57")	18,5 (.73")	6,8 (.27")
	12							
	12,7	1/2"						
LS3	10	1/8"						
	12							
	12,7	1/2"						
	13,5	1/4"	33 (1.30")	15 (.59")	7 (.28")	14,5 (.57")	23,5 (.93")	6,8 (.27")
	14							
	15							
LS4	16	5/8"						
	14							
	15							
	16	5/8"						
	17,2	3/8"						
	18		40 (1.57")	19 (.75")	7 (.28")	14,5 (.57")	30,5 (1.20")	6,8 (.27")
	19	3/4"						
20								
21,3	1/2"							
22	7/8"							

ORDER EXAMPLE

LS2 - 10 - PP



LSCF CLAMP BODY



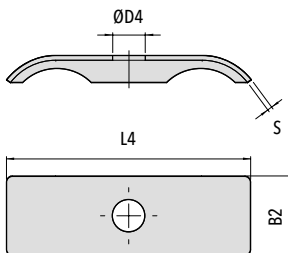
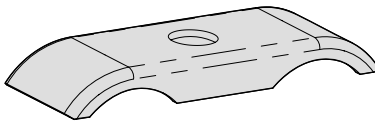
Code LSCF (PP - PA6 - AU)

ORDER EXAMPLE
LSCF3 - 15 - PP

Code	O.D. ØD1 / ØD2		L1	L2	B	H	ØD3
	mm	nominal bore pipe in					
LSCF1	6						
	6,4	1/4"	32 (1.26")	18 (.70")	14,5 (.57")	13,5 (.53")	6,8 (.27")
	8	5/16"					
LSCF2	8	5/16"					
	9,5	3/8"					
	10	1/8"	41 (1.61")	22 (.86")	14,5 (.57")	18,5 (.73")	6,8 (.27")
	12						
	12,7	1/2"					
LSCF3	10	1/8"					
	12						
	12,7	1/2"					
	13,5	1/4"	54 (2.13")	30 (1.18")	14,5 (.57")	23,5 (.93")	6,8 (.27")
	14						
	15						
	16	5/8"					
LSCF4	14						
	15						
	16	5/8"					
	17,2	3/8"					
	18		70 (2.76")	38 (1.50")	14,5 (.57")	30,5 (1.20")	6,8 (.27")
	19	3/4"					
	20						
21,3	1/2"						
22	7/8"						

PIPE CLAMPS
LIGHT SERIES

PS LSCF UPPER PLATE



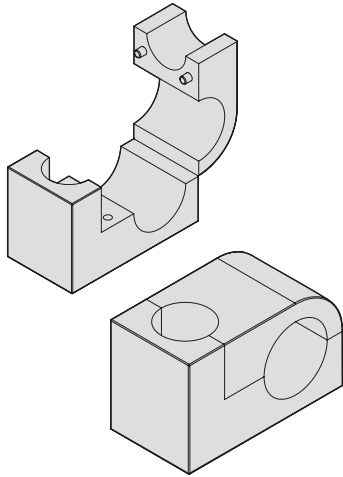
Code PS LSCF (Carbon Steel S 235 JR)

Code	L4	B2	ØD4	S
PS LSCF1	29,5 (1.16")	15,5 (.61")	6,8 (.27")	1 (.04")
PS LSCF2	40 (1.57")	15,5 (.61")	6,8 (.27")	1 (.04")
PS LSCF3	51 (2.01")	16 (.63")	6,8 (.27")	1 (.04")
PS LSCF4	63,5 (2.50")	16 (.63")	6,8 (.27")	1 (.04")



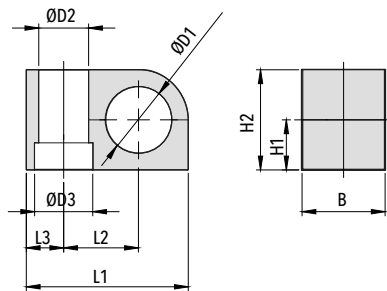
LSRA CLAMP BODY

PIPE CLAMPS
LIGHT SERIES



94

Code LSRA (Material GM)



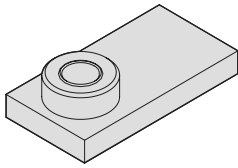
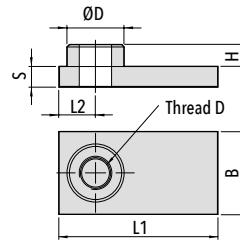
Code	Outside Diameter ØD1		ØD2	ØD3	L1	L2	L3	H1	H2	B
	mm	nominal bore pipe in								
	6									
	6,4	1/4"								
	8	5/16"								
LSRA1	9,5	3/8"	12	14	34	15	9	10	20	20
	10	1/8"	(.47")	(.55")	(1.34")	(.59")	(.35")	(.39")	(.79")	(.79")
	11									
	12									
	12,7	1/2"								
	4									
	6									
	6,4	1/4"								
	8	5/16"								
	9,5	3/8"								
	10	1/8"								
	11									
	12									
LSRA2	12,7	1/2"	12	14	39	18	9	12	24	20
			(.47")	(.55")	(1.54")	(.71")	(.35")	(.47")	(.94")	(.79")
	13,5	1/4"								
	14									
	15									
	16	5/8"								
	17,2	3/8"								
	18									
	19	3/4"								
	20									
	21,3	1/2"								
	22	7/8"								
	23									
LSRA3	25		12	14	57,5	23,5	15	20	40	30
	25,4	1"	(.47")	(.55")	(2.26")	(.93")	(.59")	(.79")	(1.57")	(1.18")
	28									
	30									
	32	1.1/4"								

ORDER EXAMPLE

LSRA2 - 12 - GM



PLSRA WELD PLATE



Code	Thread D	L1	L2	B	H	S	ØD
------	----------	----	----	---	---	---	----

PLSRA1	M8 (5/16-18 UNC)	34 (1.34")	9 (.35")	20 (.79")	6 (.23")	5 (.20")	14 (.55")
---------------	---------------------	---------------	-------------	--------------	-------------	-------------	--------------

PLSRA2	M8 (5/16-18 UNC)	39 (1.54")	9 (.35")	20 (.79")	6 (.23")	5 (.20")	14 (.55")
---------------	---------------------	---------------	-------------	--------------	-------------	-------------	--------------

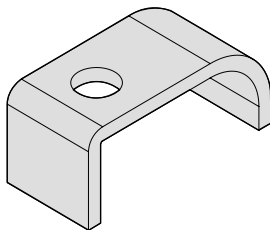
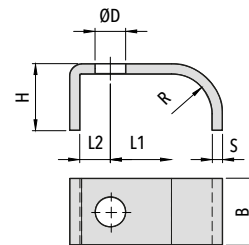
PLSRA3	M8 (5/16-18 UNC)	57,5 (2.26")	15 (.59")	30 (1.18")	6 (.23")	5 (.20")	14 (.55")
---------------	---------------------	-----------------	--------------	---------------	-------------	-------------	--------------

Code PLSRA (Carbon Steel S 235 JR)

PIPE CLAMPS
LIGHT SERIES

95

PSLSRA UPPER PLATE



Code	L1	L2	B	H	R	S	ØD
------	----	----	---	---	---	---	----

PSLSRA1	15 (.59")	9 (.35")	20 (.79")	16 (.63")	10 (.39")	3 (.12")	9 (.35")
----------------	--------------	-------------	--------------	--------------	--------------	-------------	-------------

PSLSRA2	18 (.71")	9 (.35")	20 (.79")	20 (.79")	12 (.47")	3 (.12")	9 (.35")
----------------	--------------	-------------	--------------	--------------	--------------	-------------	-------------

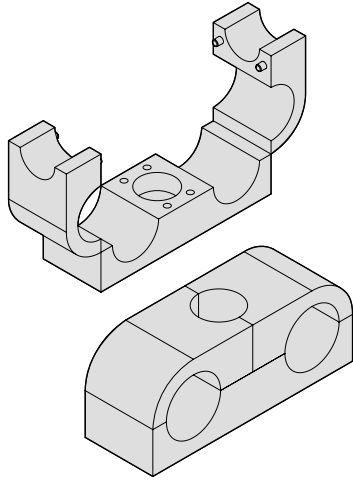
PSLSRA3	23,5 (.93")	15 (.59")	30 (1.18")	28 (1.10")	19,5 (.77")	3 (.12")	9 (.35")
----------------	----------------	--------------	---------------	---------------	----------------	-------------	-------------

Code PSLSRA (Carbon Steel S 235 JR)



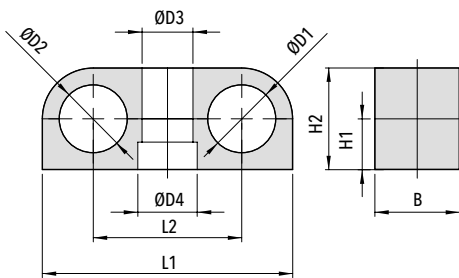
LSRD CLAMP BODY

PIPE CLAMPS
LIGHT SERIES



96

Code LSRD (Material GM)



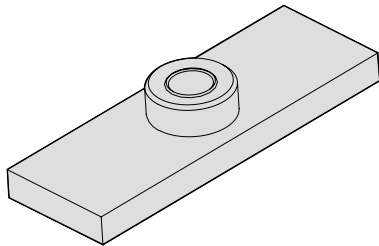
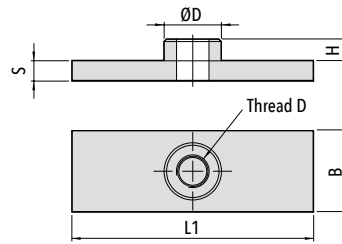
Code	O.D. ØD1 / ØD2		ØD3	ØD4	L1	L2	H1	H2	B
	mm	nominal bore pipe in							
	4								
	6								
	6,4	1/4"							
	8	5/16"							
LSRD1	9,5	3/8"	12 (.47")	14 (.55")	50 (1.97")	30 (1.18")	10 (.39")	20 (.79")	20 (.79")
	10	1/8"							
	11								
	12								
	12,7	1/2"							
	4								
	6								
	6,4	1/4"							
	8	5/16"							
	9,5	3/8"							
	10	1/8"							
	11								
	12								
LSRD2	12,7	1/2"	12 (.47")	14 (.55")	59 (2.32")	35 (1.38")	12 (.47")	24 (.94")	20 (.79")
	13,5	1/4"							
	14	1/2"							
	15								
	16	5/8"							
	17,2	3/8"							
	18								
	19	3/4"							
	20								
	21,3	1/2"							
	22	7/8"							
	23								
LSRD3	25		12 (.47")	14 (.55")	86 (3.39")	47 (1.85")	20 (.79")	40 (1.57")	30 (1.18")
	25,4	1"							
	28								
	30								
	32	1.1/4"							

ORDER EXAMPLE

LSRD3 - 25 - GM



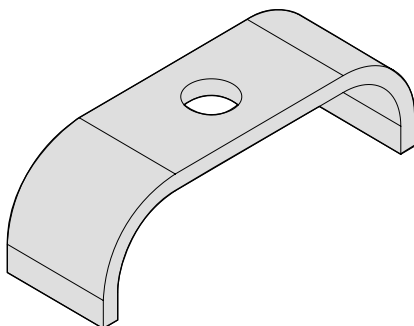
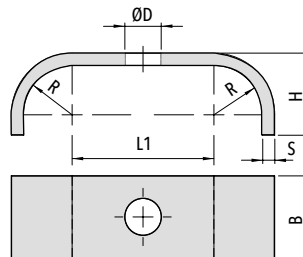
PLSRD WELD PLATE



Code	Thread D	L1	B	H	S	ØD
PLSRD1	M8 (5/16-18 UNC)	50 (1.97")	20 (.79")	6 (.23")	5 (.20")	14 (.55")
PLSRD2	M8 (5/16-18 UNC)	59 (2.32")	20 (.79")	6 (.23")	5 (.20")	14 (.55")
PLSRD3	M8 (5/16-18 UNC)	86 (3.39")	30 (1.18")	6 (.23")	5 (.20")	14 (.55")

Code PLSRD (Carbon Steel S 235 JR)

PSLSRD UPPER PLATE



Code	L1	B	H	R	S	ØD
PSLSRD1	30 (1.18")	20 (.79")	16 (.63")	10 (.39")	3 (.12")	9 (.35")
PSLSRD2	35 (1.38")	20 (.79")	20 (.79")	12 (.47")	3 (.12")	9 (.35")
PSLSRD3	47 (1.85")	30 (1.18")	28 (1.10")	19,5 (.77")	3 (.12")	9 (.35")

Code PSLSRD (Carbon Steel S 235 JR)

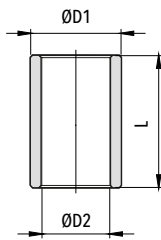


D LSR BUSHING

DC LSR
FOR USE WITH
MOUNTING RAIL **BB**

DM LSR
FOR USE WITH
WELD PLATE **PLSRA** OR **PLSRD**

DL LSR
FOR USE
WITHOUT WELD PLATE



Code	ØD1	ØD2	L
------	-----	-----	---

Code	ØD1	ØD2	L
------	-----	-----	---

Code	ØD1	ØD2	L
------	-----	-----	---

DC LSR1 12 9 12,8
(.47") (.35") (.50")

DM LSR1 12 9 13,5
(.47") (.35") (.53")

DL LSR1 12 9 18,8
(.47") (.35") (.74")

DC LSR2 12 9 16,8
(.47") (.35") (.66")

DM LSR2 12 9 17,5
(.47") (.35") (.69")

DL LSR2 12 9 22,7
(.47") (.35") (.89")

DC LSR3 12 9 32,8
(.47") (.35") (1.29")

DM LSR3 12 9 33,5
(.47") (.35") (1.32")

DL LSR3 12 9 38,8
(.47") (.35") (1.53")

See Mounting Examples
nn. 7 and 9

See Mounting Examples
nn. 6 and 10

See Mounting Examples
nn. 5 and 8

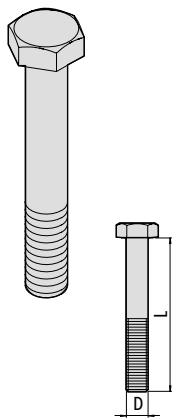
Code **D LSR** (Carbon Steel S 235 JR)

TE HEXAGON HEAD BOLT

ISO 4014 / 4017

TE C-M
FOR USE WITH MOUNTING RAIL **BB**,
WELD PLATE **PLSRA** OR **PLSRD**

TE L
FOR USE
WITHOUT WELD PLATE



Code	Thread (D x L)
------	-------------------

Code	Thread (D x L)
------	-------------------

M8x25
(5/16-18 UNCx1")

M8x30
(5/16-18 UNCx1-1/4")

TE C-M

M8x30
(5/16-18 UNCx1-1/8")

TE L

M8x35
(5/16-18 UNCx1-3/8")

M8x45
(5/16-18 UNCx1-3/4")

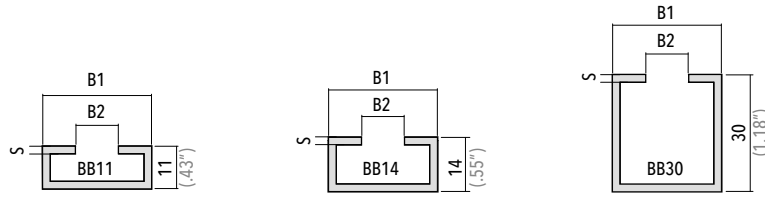
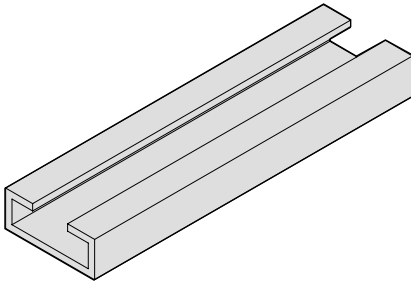
M8x50
(5/16-18 UNCx2")

Code **TE** (Steel 8.8)



BB MOUNTING RAIL

AVAILABLE HEIGHTS 11 / 14 / 30 mm
AVAILABLE LENGTH 2 m

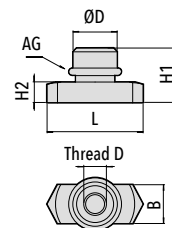


Code	B1	B2	S
BB XBB	28 (1.10")	11 (.43")	2 (.08")

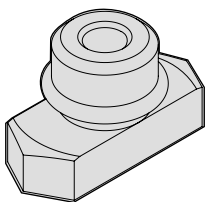
Code **BB** (Steel DX51D)
Code **XBB** (Stainless Steel AISI 316L)

PIPE CLAMPS
LIGHT SERIES

DF+AG RAIL NUT WITH RUBBER RING



99

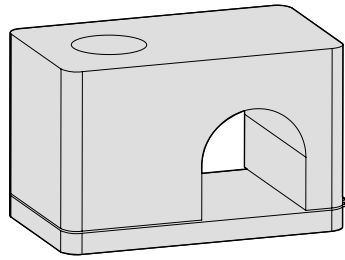


Code	Thread D	L	B	H1	H2	ØD	AG
DF XDF	M8 (5/16-18 UNC)	25,5 (1.00")	10,4 (.41")	13,5 (.53")	5 (.20")	13,8 (.54")	10x2,2 (.39"x.08")

Code **DF** (Steel C20)
Code **XDF** (Stainless Steel AISI 316L)

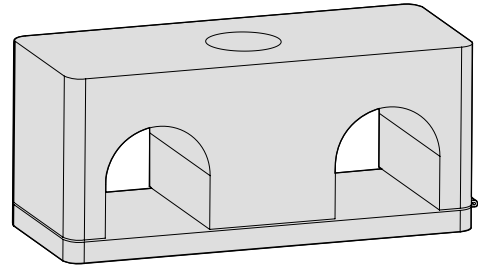
MOUNTING EXAMPLE 01

Mounting Example of clamp Type B 10 PP in Polypropylene for pipe with outside diameter of 10 mm.



MOUNTING EXAMPLE 02

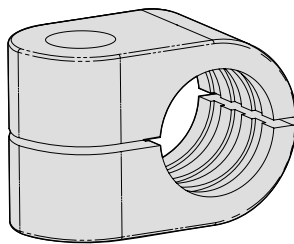
Mounting Example of clamp Type A 10-10 PP in Polypropylene for pipe with outside diameter of 10 mm.



100

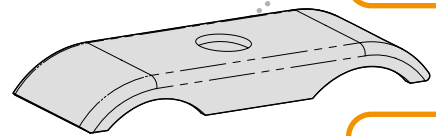
MOUNTING EXAMPLE 03

Mounting Example of clamp LS1 8 PP in Polypropylene for pipe with outside diameter of 8 mm.

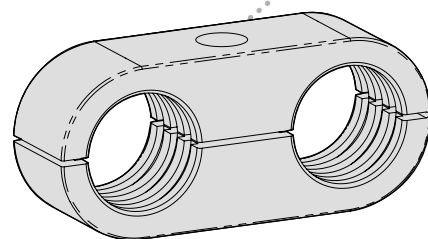


MOUNTING EXAMPLE 04

Mounting Example of clamp LSCF1 08-08 PP in Polypropylene for pipe with outside diameter of 8 mm with upper plate PS LSCF1.



N.1 PS LSCF1
Upper plate
in Stainless Steel S 235 JR
Surface finishing
white zinc-plating

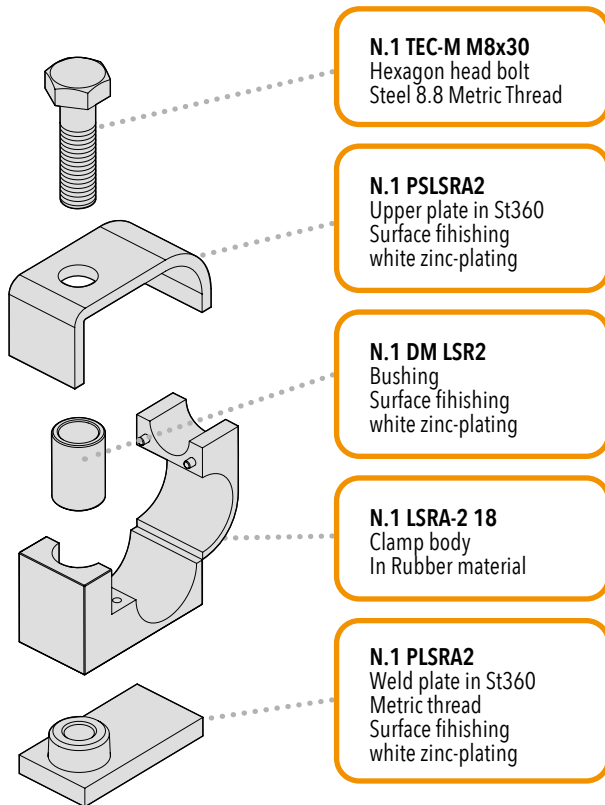


N.1 LSCF1 08-08PP
Clamp body
in Polypropylene



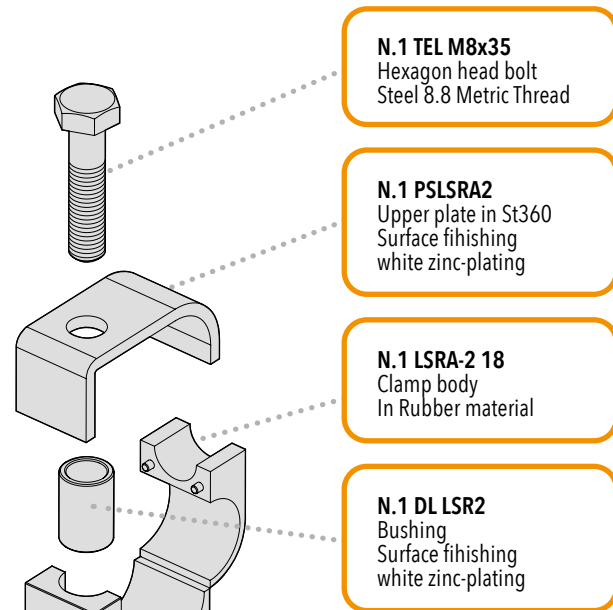
MOUNTING EXAMPLE 05

Mounting Example clamp LSRA with weld plate.



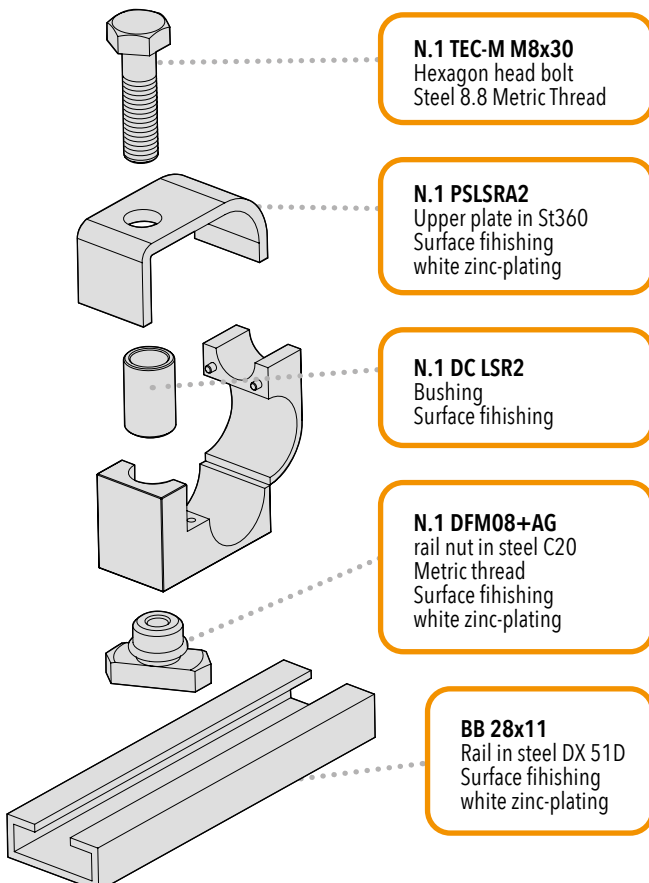
MOUNTING EXAMPLE 06

Mounting Example clamp LSRA for panel mounting without weld plate or hexagon rail nut.



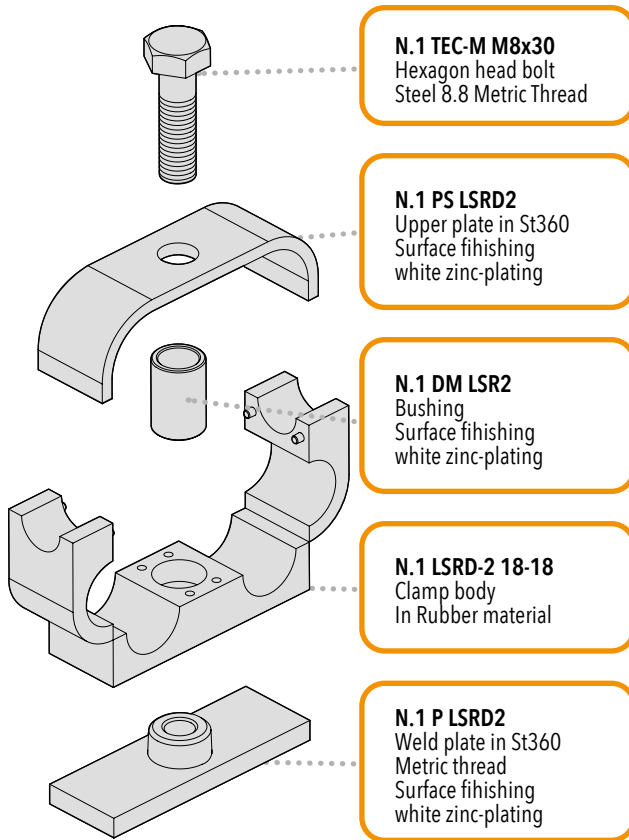
MOUNTING EXAMPLE 07

Mounting Example clamp LSRA with hexagon rail nut.

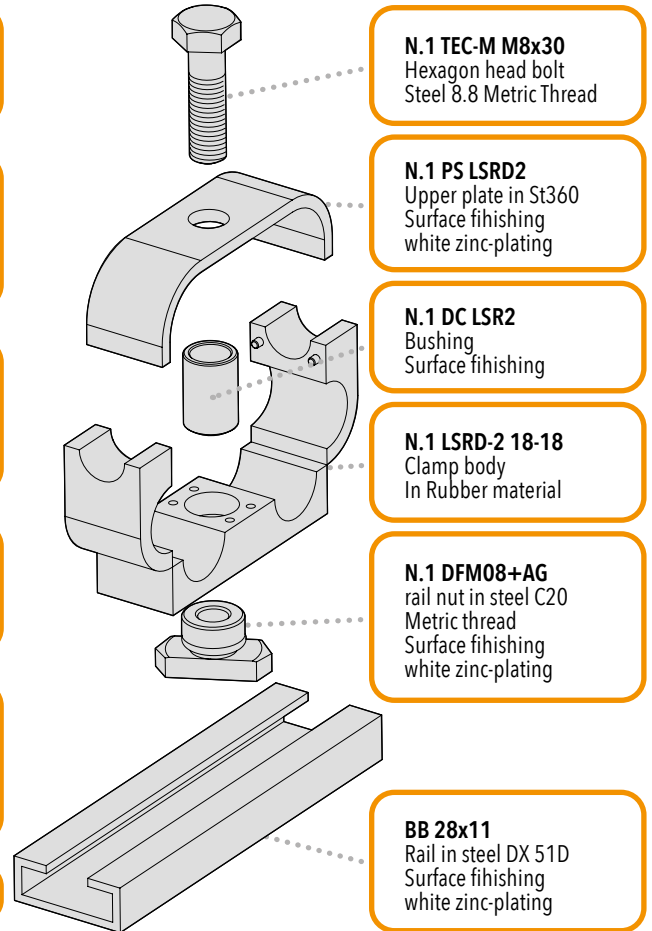


MOUNTING EXAMPLE 08

Mounting Example clamp LSRD with weld plate.


MOUNTING EXAMPLE 09

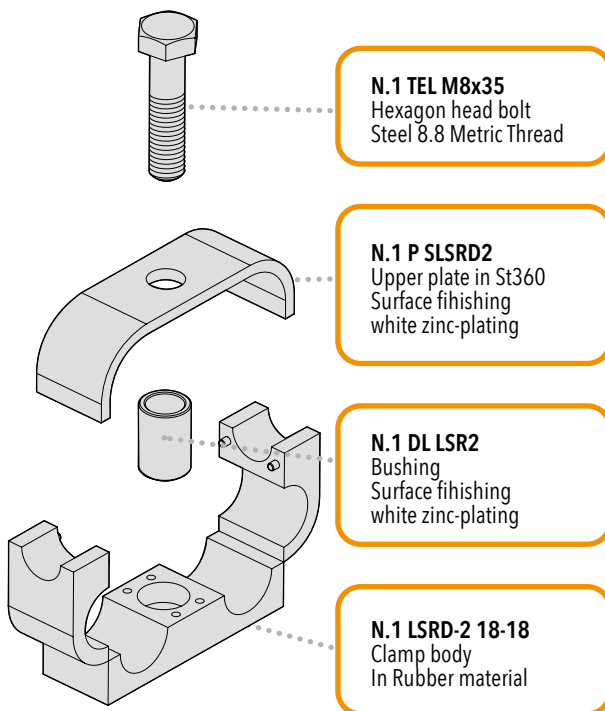
Mounting Example clamp LSRD with hexagon rail nut.



102

MOUNTING EXAMPLE 10

Mounting Example clamp LSRD for panel mounting without weld plate or hexagon rail nut.





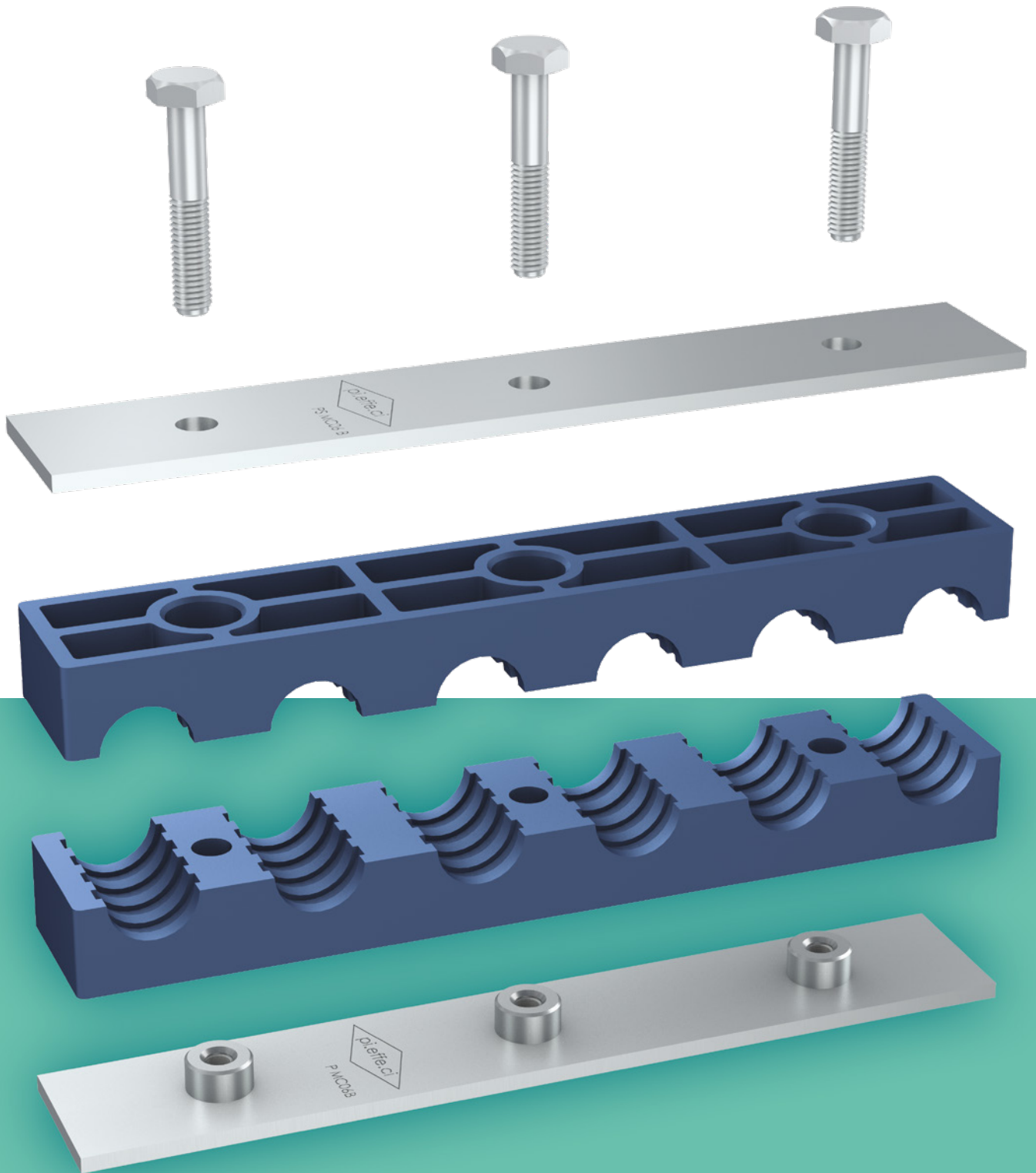


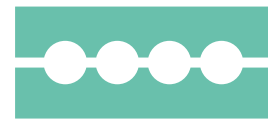
PIPE CLAMPS **MULTI SERIES**

Order Codes and Dimensions (mm/in)

PIPE CLAMPS
MULTI SERIES

104





PIPE CLAMPS **MULTI SERIES**

105

CLAMP BODY STANDARD MATERIALS



Polypropylene
Colour **Blue**
Code **PP**

**OTHER COLOURS
AVAILABLE ON DEMAND!**



Polyamide
Colour **Black**
Code **PA**



Self-extinguishing Polypropylene
Colour **White**
Code **AU**

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

ON REQUEST, ANY CLAMP BODY CAN BE SUPPLIED
WITH DIFFERENT DIAMETERS.

Clamp body internal surface **Profiled**.

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Carbon Steel S 235 JR with finishing surface in white zinc-coated
Fe Zn c8 II.

Untreated are available on request.

Stainless Steel Inox 316L (X2 CrNiMo 17-12-2) 1.4404
marked with X identification code.

Metric thread: code **M**
UNC thread: code **UNC**.

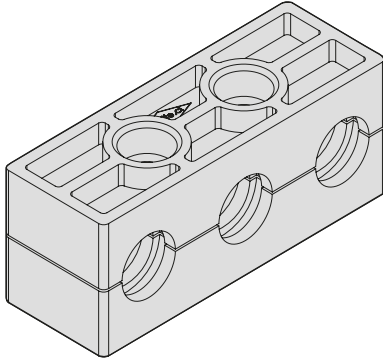
For Material Characteristics, see Technical Appendix (page 147).





MC03 CLAMP BODY

FOR N. 3 PIPES

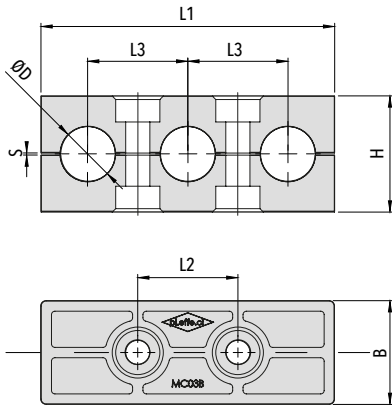


Code	Outside Diameter ØD		L1	L2	L3	B	H	S
	mm	nominal bore pipe in						
	6							
	6,4	1/4"						
MC03 A	8	5/16"	56 (2.20")	20 (.79")	20 (.79")	30 (1.18")	28 (1.10")	0,6 (.02")
	9,5	3/8"						
	10	1/8"						
	12							
	10	1/8"						
	12							
	12,7	1/2"						
	13,5	1/4"						
MC03 B	14		85 (3.34")	29 (1.14")	29 (1.14")	30 (1.18")	34 (1.34")	0,6 (.02")
	15							
	16	5/8"						
	17,2	3/8"						
	18							
	15							
	16	5/8"						
	17,2	3/8"						
	18							
MC03 C	20		106 (4.17")	36 (1.42")	36 (1.42")	30 (1.18")	38 (1.50")	0,8 (.03")
	21,3	1/2"						
	22	7/8"						
	23							
	25							
	25,4	1"						

PIPE CLAMPS
MULTI SERIES

106

Code MC03 (PP - PA - AU)



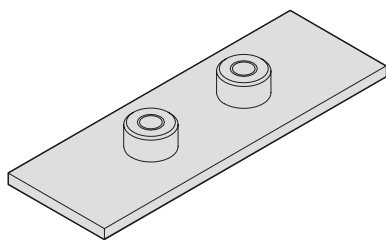
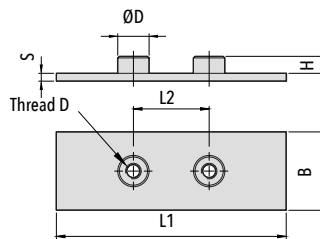
ORDER EXAMPLE

MC03 A - 12 - PP



PMC03 WELD PLATE

WITH N. 2 SCREWS



Code	Thread D	L1	L2	B	H	S	ØD
------	----------	----	----	---	---	---	----

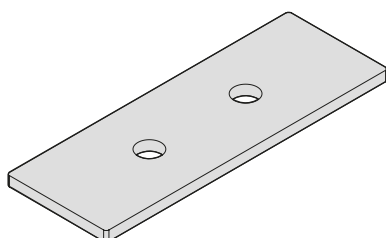
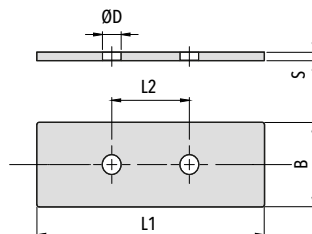
PMC03 A XPMC03 A	M6 (1/4-20 UNC)	58 (2.28")	20 (.79")	30 (1.18")	6,5 (.26")	3 (.12")	12 (.47")
-----------------------------------	--------------------	---------------	--------------	---------------	---------------	-------------	--------------

PMC03 B XPMC03 B	M6 (1/4-20 UNC)	87 (3.43")	29 (1.14")	30 (1.18")	6,5 (.26")	3 (.12")	12 (.47")
-----------------------------------	--------------------	---------------	---------------	---------------	---------------	-------------	--------------

PMC03 C XPMC03 C	M6 (1/4-20 UNC)	108 (4.25")	36 (1.42")	30 (1.18")	6,5 (.26")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

Code **PMC03** (Carbon Steel S 235 JR)
Code **XPMC03** (Stainless Steel AISI 316L)

PSMC03 UPPER PLATE



Code	L1	L2	B	S	ØD
------	----	----	---	---	----

PSMC03 A XPSMC03 A	56 (2.20")	20 (.79")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	---------------	--------------	---------------	-------------	-------------

PSMC03 B XPSMC03 B	85 (3.34")	29 (1.14")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	---------------	---------------	---------------	-------------	-------------

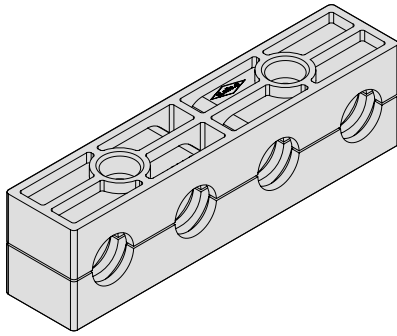
PSMC03 C XPSMC03 C	106 (4.17")	36 (1.42")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

Code **PSMC03** (Carbon Steel S 235 JR)
Code **XPSMC03** (Stainless Steel AISI 316L)



MC04 CLAMP BODY

FOR N. 4 PIPES

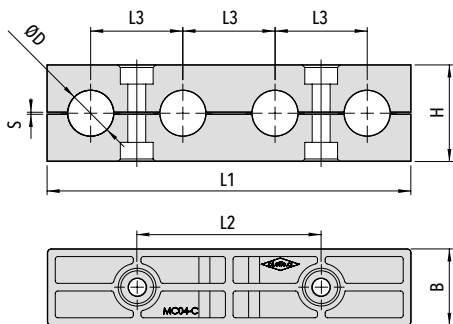


Code	Outside Diameter ØD		L1	L2	L3	B	H	S
	mm	nominal bore pipe in						
	6							
	6,4	1/4"						
MC04 A	8	5/16"	76 (4.56")	40 (1.57")	20 (.79")	30 (1.18")	28 (1.10")	0,6 (.02")
	9,5	3/8"						
	10	1/8"						
	12							
	10	1/8"						
	12							
	12,7	1/2"						
	13,5	1/4"						
MC04 B	14		114 (6.77")	58 (2.28")	29 (1.14")	30 (1.18")	34 (1.34")	0,6 (.02")
	15							
	16	5/8"						
	17,2	3/8"						
	18							
	15							
	16	5/8"						
	17,2	3/8"						
	18							
	19	3/4"						
MC04 C	20		142 (8.42")	72 (2.83")	36 (1.42")	30 (1.18")	38 (1.50")	0,8 (.03")
	21,3	1/2"						
	22	7/8"						
	23							
	25							
	25,4	1"						

PIPE CLAMPS
MULTI SERIES

108

Code MC04 (PP - PA - AU)



ORDER EXAMPLE

MC04 B - 16 - PP

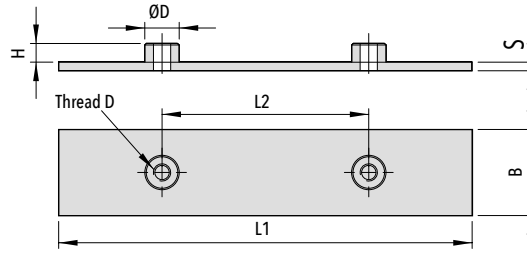


PIPE CLAMPS MULTI SERIES

Order Codes and Dimensions (mm/in)

PMC04 WELD PLATE

WITH N. 2 SCREWS

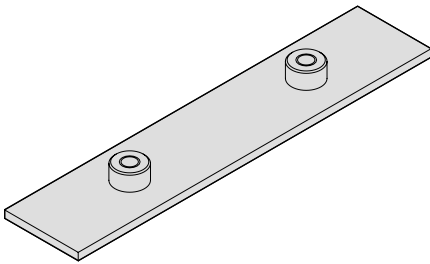


Code	Thread D	L1	L2	B	H	S	ØD
------	----------	----	----	---	---	---	----

PMC04 A XPMC04 A	M6 (1/4-20 UNC)	78 (4.72")	40 (1.57")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	---------------	---------------	---------------	---------------	-------------	--------------

PMC04 B XPMC04 B	M6 (1/4-20 UNC)	116 (6.85")	58 (2.28")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

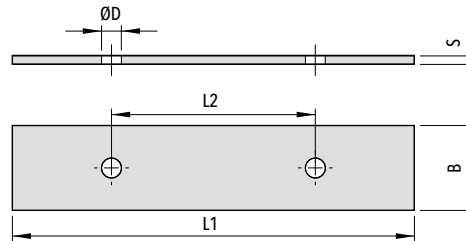
PMC04 C XPMC04 C	M6 (1/4-20 UNC)	144 (8.50")	72 (2.83")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------



Code **PMC04** (Carbon Steel S 235 JR)
Code **XPMC04** (Stainless Steel AISI 316L)

PIPE CLAMPS
MULTI SERIES

PSMC04 UPPER PLATE

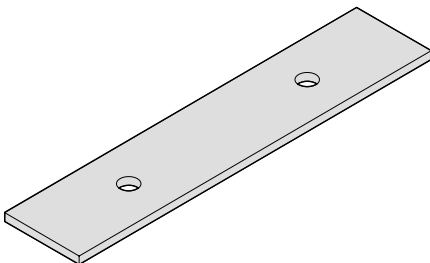


Code	L1	L2	B	S	ØD
------	----	----	---	---	----

PSMC04 A XPSMC04 A	76 (4.56")	40 (1.57")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	---------------	---------------	---------------	-------------	-------------

PSMC04 B XPSMC04 B	114 (6.77")	58 (2.28")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

PSMC04 C XPSMC04 C	142 (8.42")	72 (2.83")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------



Code **PSMC04** (Carbon Steel S 235 JR)
Code **XPSMC04** (Stainless Steel AISI 316L)

109

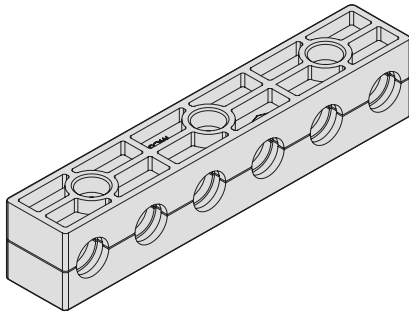




MC06 CLAMP BODY

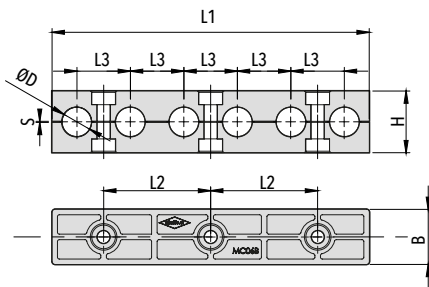
FOR N. 6 PIPES

PIPE CLAMPS
MULTI SERIES



110

Code **MC06** (PP - PA - AU)



Code	Outside Diameter ØD		L1	L2	L3	B	H	S
	mm	nominal bore pipe in						
MC06 A	6							
	6,4	1/4"						
	8	5/16"	116 (4.56")	40 (1.57")	20 (.79")	30 (1.18")	28 (1.10")	0,6 (.02")
	9,5	3/8"						
	10	1/8"						
	12							
MC06 B	10	1/8"						
	12							
	12,7	1/2"						
	13,5	1/4"						
	14		172 (6.77")	58 (2.28")	29 (1.14")	30 (1.18")	34 (1.34")	0,6 (.02")
	15							
	16	5/8"						
	17,2	3/8"						
	18							
	15							
MC06 C	16	5/8"						
	17,2	3/8"						
	18							
	19	3/4"						
	20		214 (8.42")	72 (2.83")	36 (1.42")	30 (1.18")	38 (1.50")	0,8 (.03")
	21,3	1/2"						
	22	7/8"						
	23							
	25							
	25,4	1"						

ORDER EXAMPLE

MC06 C - 20 - PP

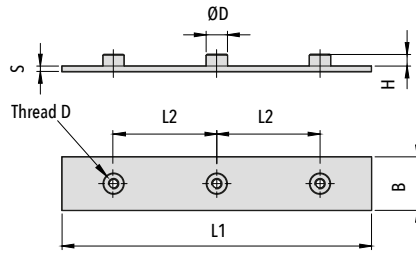


PIPE CLAMPS MULTI SERIES

Order Codes and Dimensions (mm/in)

PMC06 WELD PLATE

WITH N. 3 SCREWS



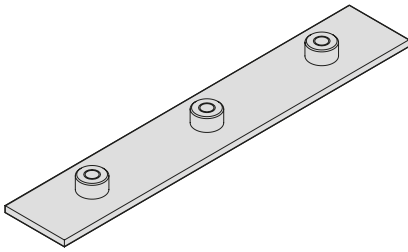
Code	Thread D	L1	L2	B	H	S	ØD
------	----------	----	----	---	---	---	----

PMC06 A XPMC06 A	M6 (1/4-20 UNC)	120 (4.72")	40 (1.57")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

PMC06 B XPMC06 B	M6 (1/4-20 UNC)	174 (6.85")	58 (2.28")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

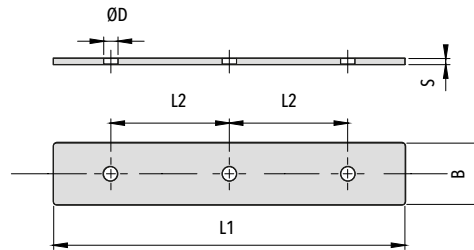
PMC06 C XPMC06 C	M6 (1/4-20 UNC)	216 (8.50")	72 (2.83")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

Code **PMC06** (Carbon Steel S 235 JR)
Code **XPMC06** (Stainless Steel AISI 316L)



PIPE CLAMPS
MULTI SERIES

PSMC06 UPPER PLATE



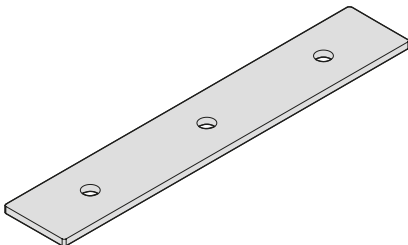
Code	L1	L2	B	S	ØD
------	----	----	---	---	----

PSMC06 A XPSMC06 A	116 (4.56")	40 (1.57")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

PSMC06 B XPSMC06 B	172 (6.77")	58 (2.28")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

PSMC06 C XPSMC06 C	214 (8.42")	72 (2.83")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

Code **PSMC06** (Carbon Steel S 235 JR)
Code **XPSMC06** (Stainless Steel AISI 316L)

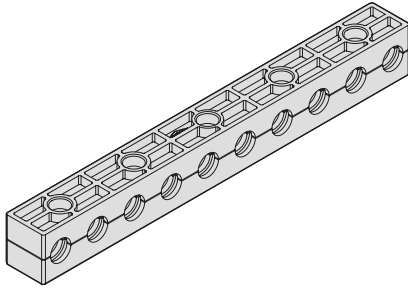


111



MC10 CLAMP BODY

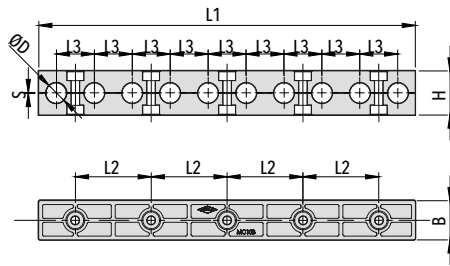
FOR N. 10 PIPES



PIPE CLAMPS
MULTI SERIES

112

Code **MC10** (PP - PA - AU)



Code	Outside Diameter ØD		L1	L2	L3	B	H	S
	mm	nominal bore pipe in						
MC10 A	6							
	6,4	1/4"						
	8	5/16"	196 (7.71")	40 (1.57")	20 (.79")	30 (1.18")	28 (1.10")	0,6 (.02")
	9,5	3/8"						
	10	1/8"						
	12							
MC10 B	10	1/8"						
	12							
	12,7	1/2"						
	13,5	1/4"						
	14		288 (11.34")	58 (2.28")	29 (1.14")	30 (1.18")	34 (1.34")	0,6 (.02")
	15							
	16	5/8"						
	17,2	3/8"						
	18							
	15							
MC10 C	16	5/8"						
	17,2	3/8"						
	18							
	19	3/4"						
	20		358 (14.09")	72 (2.83")	36 (1.42")	30 (1.18")	38 (1.50")	0,8 (.03")
	21,3	1/2"						
	22	7/8"						
	23							
	25							
	25,4	1"						

ORDER EXAMPLE

MC10 B - 15 - PP

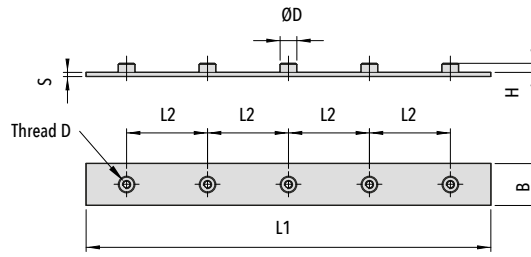


PIPE CLAMPS MULTI SERIES

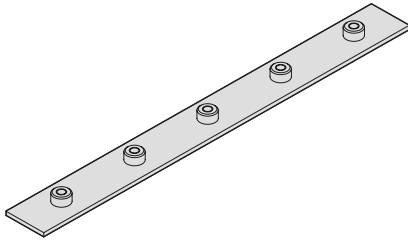
Order Codes and Dimensions (mm/in)

PMC10 WELD PLATE

WITH N. 5 SCREWS



Code	Thread D	L1	L2	B	H	S	ØD
------	----------	----	----	---	---	---	----



PMC10 A XPMC10 A	M6 (1/4-20 UNC)	200 (7.87")	40 (1.57")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	----------------	---------------	---------------	---------------	-------------	--------------

PMC10 B XPMC10 B	M6 (1/4-20 UNC)	290 (11.41")	58 (2.28")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	-----------------	---------------	---------------	---------------	-------------	--------------

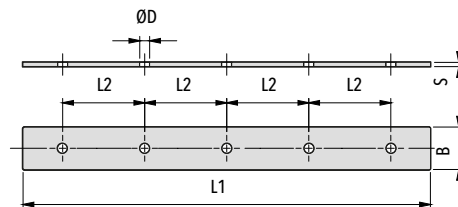
PMC10 C XPMC10 C	M6 (1/4-20 UNC)	360 (14.17")	72 (2.83")	30 (1.18")	6,5 (.25")	3 (.12")	12 (.47")
-----------------------------------	--------------------	-----------------	---------------	---------------	---------------	-------------	--------------

Code **PMC10** (Carbon Steel S 235 JR)
Code **XPMC10** (Stainless Steel AISI 316L)

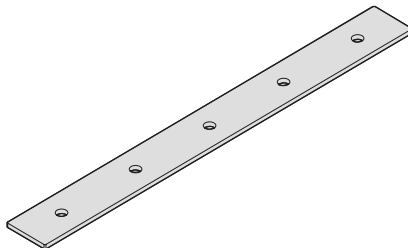
PIPE CLAMPS
MULTI SERIES

113

PSMC10 UPPER PLATE



Code	L1	L2	B	S	ØD
------	----	----	---	---	----



PSMC10 A XPSMC10 A	196 (7.71")	40 (1.57")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	----------------	---------------	---------------	-------------	-------------

PSMC10 B XPSMC10 B	288 (11.33")	58 (2.28")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	-----------------	---------------	---------------	-------------	-------------

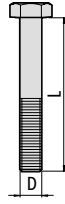
PSMC10 C XPSMC10 C	358 (14.09")	72 (2.83")	30 (1.18")	3 (.12")	7 (.27")
-------------------------------------	-----------------	---------------	---------------	-------------	-------------

Code **PSMC10** (Carbon Steel S 235 JR)
Code **XPSMC10** (Stainless Steel AISI 316L)

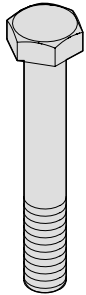


VE HEXAGON HEAD BOLT

ISO 4014 / 4017
FOR USE WITH UPPER PLATE PS



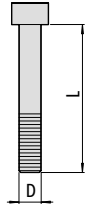
	Code	Thread (D x L)
FOR MCA	VE1-2 XVE1-2	M6x30 (1/4-20 UNCx1.1/4")
FOR MC B	VE3 XVE3	M6x35 (1/4-20 UNCx1.3/8")
FOR MC C	VE4 XVE4	M6x40 (1/4-20 UNCx1.1/2")



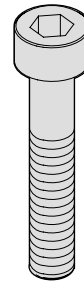
Code VE (Steel 8.8)
Code XVE (Stainless Steel A4)

TCEI SOCKET CAP SCREW

ISO 4762



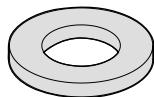
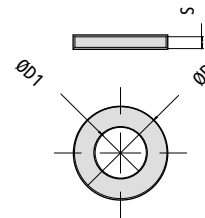
	Code	Thread (D x L)
FOR MCA	TCEI1-2 XTCEI1-2	M6x20 (1/4-20 UNCx3/4")
FOR MC B	TCEI3 XTCEI3	M6x25 (1/4-20 UNCx1")
FOR MC C	TCEI4 XTCEI4	M6x30 (1/4-20 UNCx1.1/8")



Code TCEI (Steel 8.8)
Code XTCEI (Stainless Steel AISI 316L)

RP FLAT WASHER

FOR USE WITH SCREW TCEI



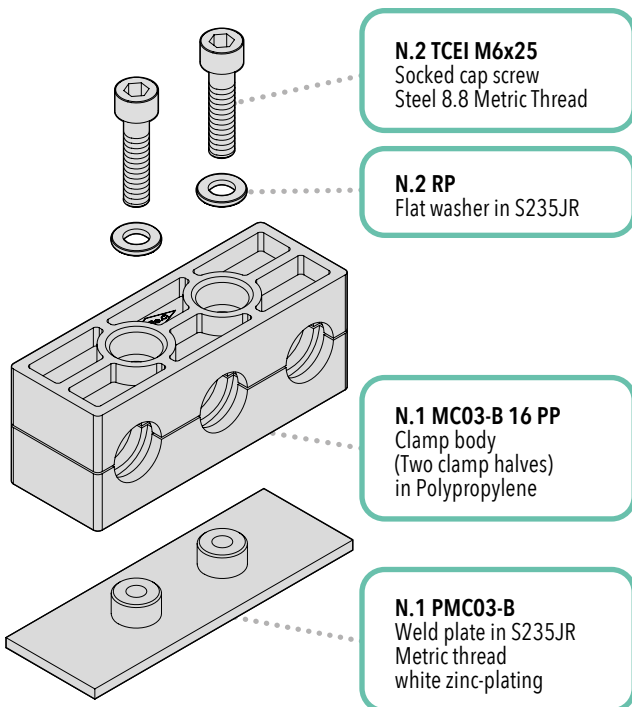
Code	ØD	ØD1	S
RP XRP	11,5 (.45")	6,3 (.25")	0,8 (.03")

Code RP (Carbon Steel S 235 JR)
Code XRP (Stainless Steel AISI 316L)



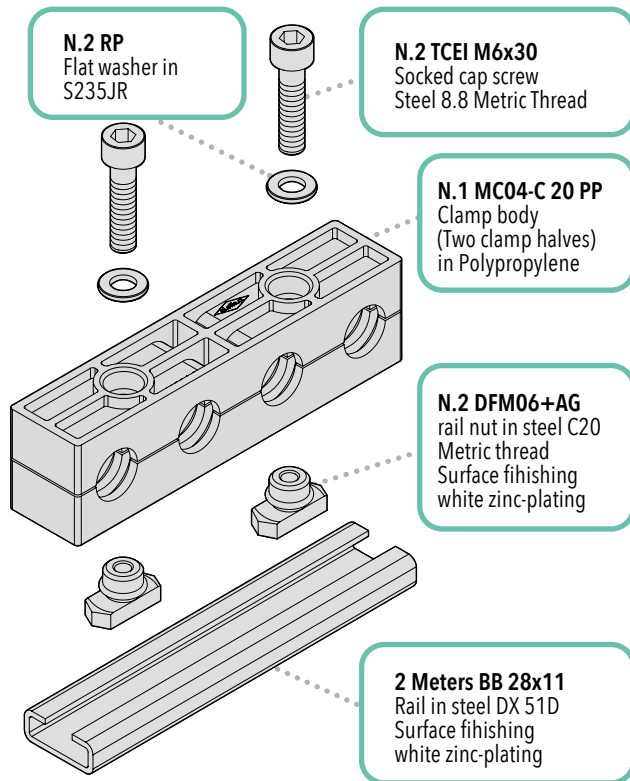
MOUNTING EXAMPLE 01

Mounting Example of complete clamp MC03-B in Polypropylene for pipe with outside diameter of 16 mm, with weld plate.



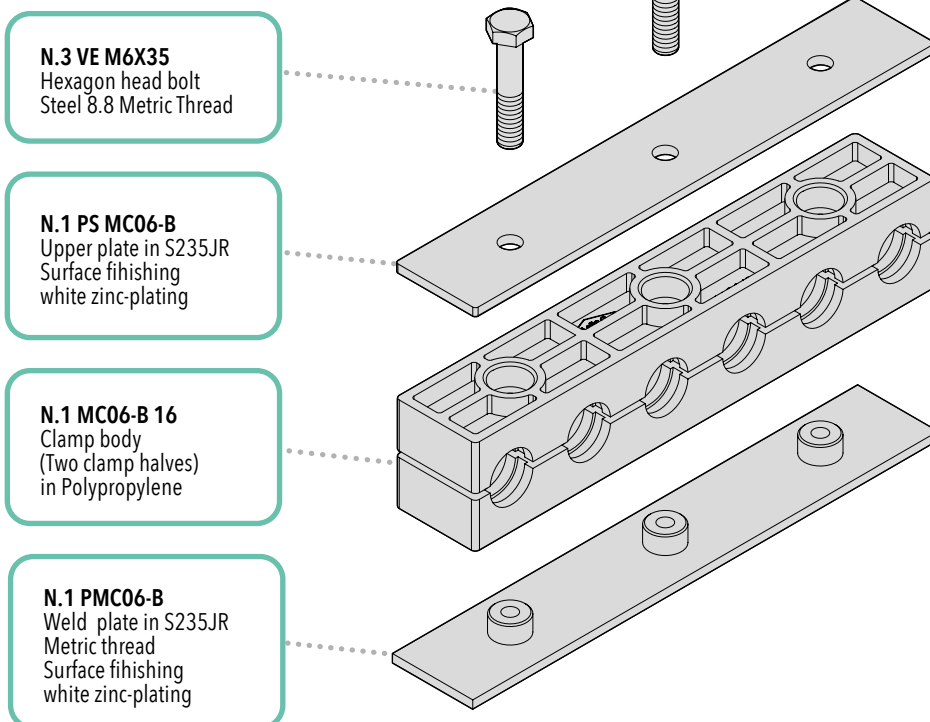
MOUNTING EXAMPLE 02

Mounting Example of complete clamp MC04-C in Polypropylene for pipe with outside diameter of 20 mm, mounting rail nut.



MOUNTING EXAMPLE 03

Mounting Example of complete clamp MC06-B in Polypropylene for pipe with outside diameter of 16 mm, with weld plate and upper plate.





CUSTOM DESIGNED PIPE CLAMPS

CUSTOM DESIGNED
PIPE CLAMPS

116





CUSTOM DESIGNED PIPE CLAMPS

117



REQUIRE A CUSTOMIZED PRODUCTION

Use this QR Codice: our online form
is ready for you!

Pi.effe.ci. Custom Designed Clamps meet the most specific needs of customers who need clamps or special accessories for design, use, or material.

Thanks to the internal design center, Pi.effe.ci. manufactures mechanical clamps for fixing pipes, hoses, electrical cables as well as other accessories, according to customer specifications.

For limited production and prototyping, Pi.effe.ci. produces clamps in the most used plastic materials, such as PTFE, PP and PA, as well as in other plastic and ferrous materials, on the Customer's request. Even components and accessories can be made with special materials and shapes.

For continuous supplies or long runs, Pi.effe.ci. designs and manufactures molds for special clamps, producing them internally in standard materials (Polypropylene, Polyamide, Rubber or Aluminum) or special materials on request.

The products presented on the following pages represent just a sample of the latest projects on specific requests of customers.



CUSTOM DESIGNED PIPE CLAMPS

CUSTOM DESIGNED PIPE CLAMPS

118



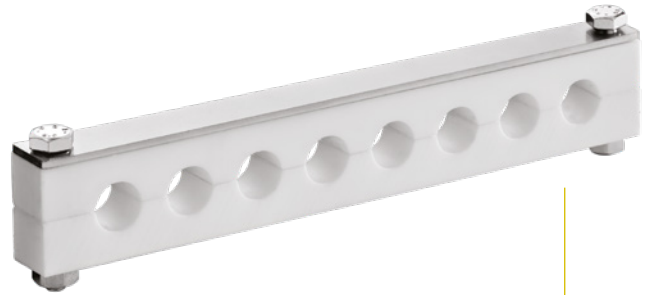
BLACK POLYPROPYLENE



NATURAL POLYPROPYLENE
WITH RUBBER INSERTS



BLUE POLYPROPYLENE
(INJECTION VERSION)



PTFE



BLACK POLYAMIDE
(INJECTION VERSION)



ALUMINIUM



BLACK POLYPROPYLENE



NATURAL POLYAMIDE



BLACK POLYPROPYLENE
(INJECTION VERSION)



NATURAL POLYPROPYLENE



PTFE



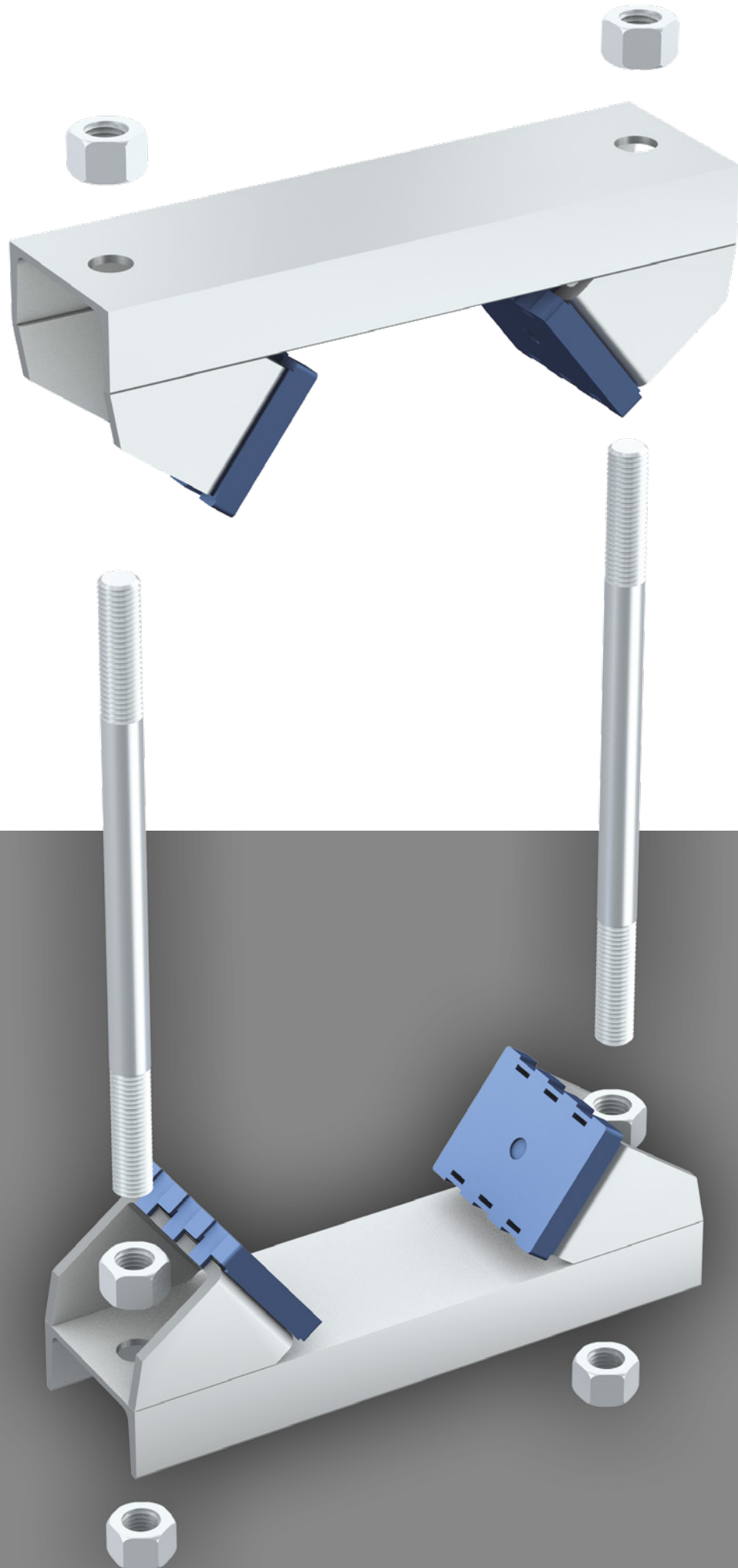
STAINLESS STEEL 316

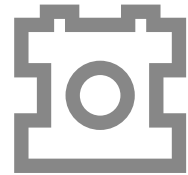


PIPE CLAMPS **SUPER HEAVYWEIGHT SERIES**
Order Codes and Dimensions (mm/in)

PIPE CLAMPS
SUPER HEAVYWEIGHT SERIES

120





PIPE CLAMPS **SUPER HEAVYWEIGHT SERIES**

121

CLAMP BODY STANDARD MATERIALS



Carbon Steel S 275 JR
Electro-welded clamp with U profile NP 140
Finishing Zinc Plated Fe Zn c8 II

DIFFERENT DAMETERS AND MATERIALS AVAILABLE ON REQUEST.

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Threaded rod in Carbon Steel C45
Surface finishing Zinc Plated Fe Zn c8 II

Nut M30
Surface finishing Zinc Plated

Plastic pads in Polypropylene

Elongated plate PL inserts on request
CarbonSteel S 275 JR

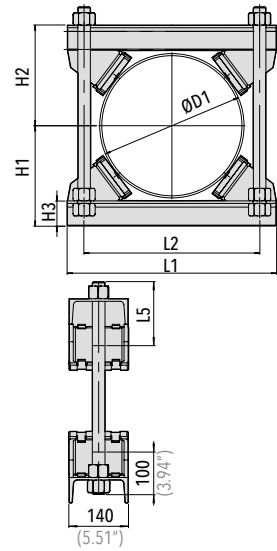
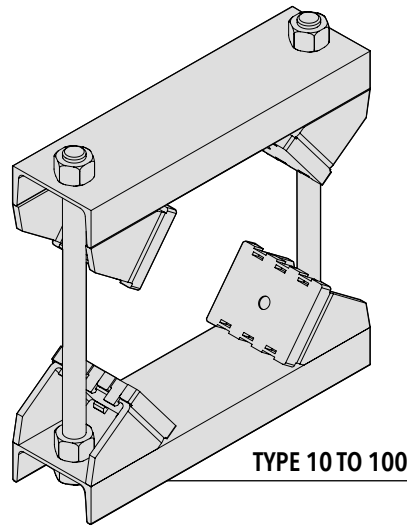
For Material Characteristics, see Technical Appendix (page 147).





SSP ELECTRO- WELDED CLAMP BODY

ORDER EXAMPLE
SSP10



Code	ØD1 Outside Diameter	L1	L2	H1	H2	H3	Threaded Rod M30	L5
SSP10	166÷220 (6.53"÷8.66")	405 (15.94")	300 (11.81")	210 (8.26")	210 (8.26")	60 (2.36")	420 (16.54")	120 (4.72")
SSP20	221÷275 (8.70"÷10.85")	440 (17.32")	334 (13.15")	220 (8.66")	220 (8.66")	60 (2.36")	450 (17.72")	150 (5.90")
SSP30	276÷325 (10.87"÷12.80")	460 (18.11")	375 (14.76")	245 (9.64")	245 (9.64")	60 (2.36")	510 (20.08")	198 (7.79")
SSP40	326÷370 (12.83"÷14.57")	500 (19.68")	420 (16.53")	270 (10.63")	270 (10.63")	60 (2.36")	550 (21.65")	150 (5.90")
SSP50	371÷425 (14.61"÷16.73")	560 (22.04")	475 (18.70")	300 (11.81")	300 (11.81")	60 (2.36")	620 (24.41")	198 (7.79")
SSP60	426÷480 (16.77"÷18.9")	620 (24.41")	535 (21.06")	325 (12.80")	325 (12.80")	60 (2.36")	680 (26.77")	180 (7.08")
SSP70	481÷550 (18.93"÷21.65")	700 (27.56")	605 (23.81")	360 (14.17")	360 (14.17")	60 (2.36")	730 (28.74")	198 (7.79")
SSP80	551÷630 (21.69"÷24.80")	760 (29.92")	670 (26.37")	410 (16.14")	410 (16.14")	60 (2.36")	800 (31.50")	198 (7.79")
SSP90	631÷715 (24.84"÷28.15")	845 (33.46")	755 (29.72")	452 (17.80")	452 (17.80")	60 (2.36")	884 (34.80")	280 (11.02")
SSP100	716÷800 (28.19"÷31.50")	940 (37")	850 (33.46")	495 (19.49")	495 (19.49")	60 (2.36")	970 (38.19")	170 (6.69")

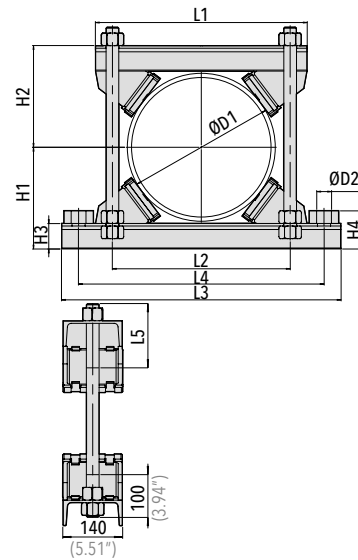
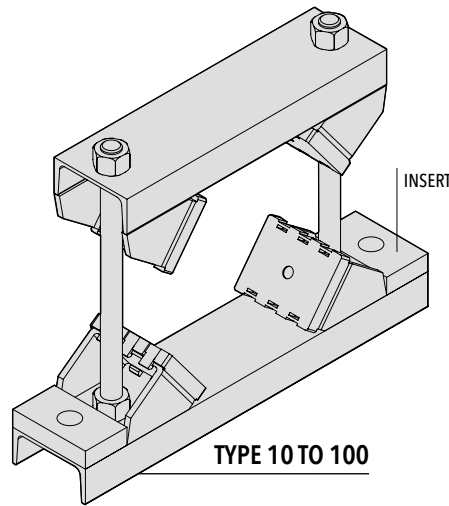
Code SSP CD (Material Carbon Steel S 275 JR)

Nut: M30 | N. of Nuts: 6 | N. of Plastic Pads: 4



SSP PL ELECTRO- WELDED CLAMP BODY

WITH ELONGATED PLATE



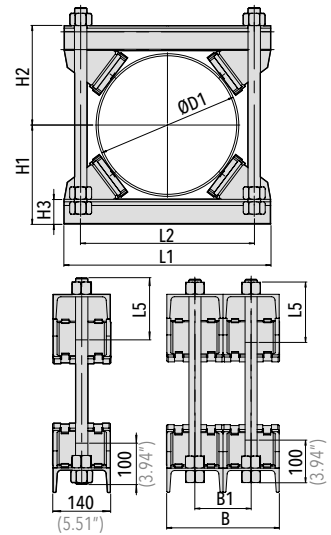
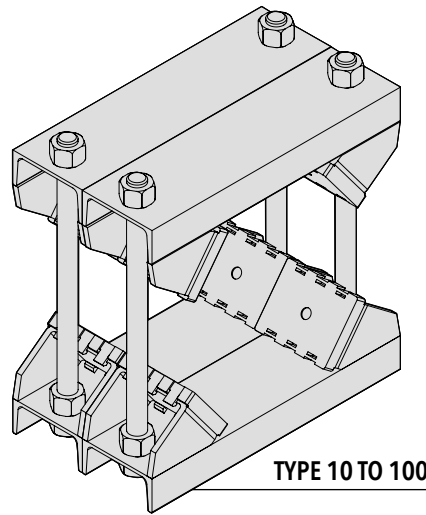
Code	ØD1 Outside Diameter	L1	L2	L3	L4	H1	H2	H3	H4	ØD2	Threaded Rod M30	L5
SSP10 PL	166÷220 (6.53"÷8.66")	405 (15.94")	300 (11.81")	565 (22.24")	460 (18.11")	210 (8.26")	210 (8.26")	60 (2.36")	90 (3.54")	31 (1.22")	420 (16.54")	120 (4.72")
SSP20 PL	221÷275 (8.70"÷10.85")	440 (17.32")	334 (13.15")	600 (23.62")	494 (19.44")	220 (8.66")	220 (8.66")	60 (2.36")	90 (3.54")	31 (1.22")	450 (17.72")	150 (5.90")
SSP30 PL	276÷325 (10.87"÷12.80")	460 (18.11")	375 (14.76")	620 (24.41")	535 (21.06")	245 (9.64")	245 (9.64")	60 (2.36")	90 (3.54")	31 (1.22")	510 (20.08")	198 (7.79")
SSP40 PL	326÷370 (12.83"÷14.57")	500 (19.68")	420 (16.53")	660 (25.98")	580 (22.83")	270 (10.63")	270 (10.63")	60 (2.36")	90 (3.54")	31 (1.22")	550 (21.65")	150 (5.90")
SSP50 PL	371÷425 (14.61"÷16.73")	560 (22.04")	475 (18.70")	720 (28.34")	635 (25")	300 (11.81")	300 (11.81")	60 (2.36")	90 (3.54")	31 (1.22")	620 (24.41")	198 (7.79")
SSP60 PL	426÷480 (16.77"÷18.9")	620 (24.41")	535 (21.06")	800 (31.50")	735 (28.93")	325 (12.80")	325 (12.80")	60 (2.36")	90 (3.54")	31 (1.22")	680 (26.77")	180 (7.08")
SSP70 PL	481÷550 (18.93"÷21.65")	700 (27.56")	605 (23.81")	880 (34.64")	805 (31.69")	360 (14.17")	360 (14.17")	60 (2.36")	90 (3.54")	31 (1.22")	730 (28.74")	198 (7.79")
SSP80 PL	551÷630 (21.69"÷24.80")	760 (29.92")	670 (26.37")	940 (37")	870 (34.25")	410 (16.14")	410 (16.14")	60 (2.36")	90 (3.54")	31 (1.22")	800 (31.50")	198 (7.79")
SSP90 PL	631÷715 (24.84"÷28.15")	845 (33.46")	755 (29.72")	1025 (40.31")	955 (37.6")	452 (17.80")	452 (17.80")	60 (2.36")	90 (3.54")	31 (1.22")	884 (34.80")	280 (11.02")
SSP100 PL	716÷800 (28.19"÷31.50")	940 (37")	850 (33.46")	1120 (44.09")	1050 (41.33")	495 (19.49")	495 (19.49")	60 (2.36")	90 (3.54")	31 (1.22")	970 (38.19")	170 (6.69")

SUPER HEAVYWEIGHT SERIES
PIPE CLAMPS



SSP CD ELECTRO- WELDED CLAMP BODY

TWO FLANKED CLAMPS



Code	ØD1 Outside Diameter	L1	L2	H1	H2	H3	B	B1	Threaded Rod M30	L5
SSP10 CD	166÷220 (6.53"÷8.66")	405 (15.94")	300 (11.81")	210 (8.26")	210 (8.26")	60 (2.36")	290 (11.42")	150 (5.90")	420 (16.54")	120 (4.72")
SSP20 CD	221÷275 (8.70"÷10.85")	440 (17.32")	334 (13.15")	220 (8.66")	220 (8.66")	60 (2.36")	290 (11.42")	150 (5.90")	450 (17.72")	150 (5.90")
SSP30 CD	276÷325 (10.87"÷12.80")	460 (18.11")	375 (14.76")	245 (9.64")	245 (9.64")	60 (2.36")	290 (11.42")	150 (5.90")	510 (20.08")	198 (7.79")
SSP40 CD	326÷370 (12.83"÷14.57")	500 (19.68")	420 (16.53")	270 (10.63")	270 (10.63")	60 (2.36")	290 (11.42")	150 (5.90")	550 (21.65")	150 (5.90")
SSP50 CD	371÷425 (14.61"÷16.73")	560 (22.04")	475 (18.70")	300 (11.81")	300 (11.81")	60 (2.36")	290 (11.42")	150 (5.90")	620 (24.41")	198 (7.79")
SSP60 CD	426÷480 (16.77"÷18.9")	620 (24.41")	535 (21.06")	325 (12.80")	325 (12.80")	60 (2.36")	290 (11.42")	150 (5.90")	680 (26.77")	180 (7.08")
SSP70 CD	481÷550 (18.93"÷21.65")	700 (27.56")	605 (23.81")	360 (14.17")	360 (14.17")	60 (2.36")	290 (11.42")	150 (5.90")	730 (28.74")	198 (7.79")
SSP80 CD	551÷630 (21.69"÷24.80")	760 (29.92")	670 (26.37")	410 (16.14")	410 (16.14")	60 (2.36")	290 (11.42")	150 (5.90")	800 (31.50")	198 (7.79")
SSP90 CD	631÷715 (24.84"÷28.15")	845 (33.46")	755 (29.72")	452 (17.80")	452 (17.80")	60 (2.36")	290 (11.42")	150 (5.90")	884 (34.80")	280 (11.02")
SSP100 CD	716÷800 (28.19"÷31.50")	940 (37")	850 (33.46")	495 (19.49")	495 (19.49")	60 (2.36")	290 (11.42")	150 (5.90")	970 (38.19")	170 (6.69")

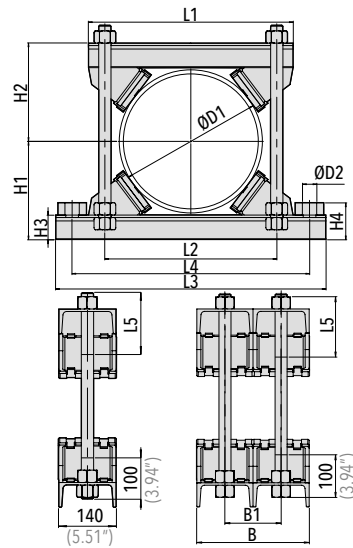
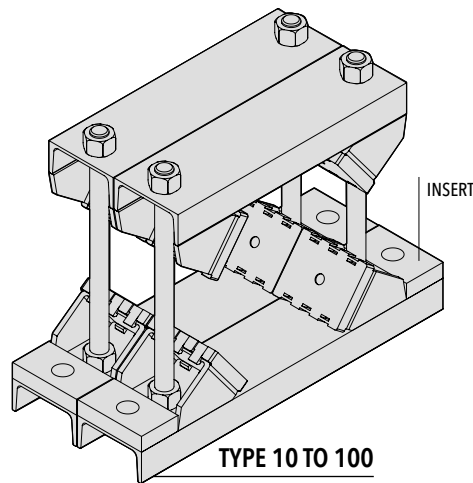
Code SSP CD (Material Carbon Steel S 275 JR)

Nut: M30 | N. of Nuts: 12 | N. of Plastic Pads: 8



SSP PL CD ELECTRO- WELDED CLAMP BODY

TWO FLANKED CLAMPS
WITH ELONGATED PLATE



SUPER HEAVYWEIGHT SERIES
PIPE CLAMPS

Code	ØD1 Outside Diameter	L1	L2	L3	L4	H1	H2	H3	H4	B	B1	ØD2	Threaded Rod M30	L5
SSP10 PL CD	166÷220 (6.53"÷8.66")	405 (15.94")	300 (11.81")	565 (22.24")	460 (18.11")	210 (8.26")	210 (8.26")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	420 (16.54")	120 (4.72")
SSP20 PL CD	221÷275 (8.70"÷10.85")	440 (17.32")	334 (13.15")	600 (23.62")	494 (19.44")	220 (8.66")	220 (8.66")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	450 (17.72")	150 (5.90")
SSP30 PL CD	276÷325 (10.87"÷12.80")	460 (18.11")	375 (14.76")	620 (24.41")	535 (21.06")	245 (9.64")	245 (9.64")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	510 (20.08")	198 (7.79")
SSP40 PL CD	326÷370 (12.83"÷14.57")	500 (19.68")	420 (16.53")	660 (25.98")	580 (22.83")	270 (10.63")	270 (10.63")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	550 (21.65")	150 (5.90")
SSP50 PL CD	371÷425 (14.61"÷16.73")	560 (22.04")	475 (18.70")	720 (28.34")	635 (25")	300 (11.81")	300 (11.81")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	620 (24.41")	198 (7.79")
SSP60 PL CD	426÷480 (16.77"÷18.9")	620 (24.41")	535 (21.06")	800 (31.50")	735 (28.93")	325 (12.80")	325 (12.80")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	680 (26.77")	180 (7.08")
SSP70 PL CD	481÷550 (18.93"÷21.65")	700 (27.56")	605 (23.81")	880 (34.64")	805 (31.69")	360 (14.17")	360 (14.17")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	730 (28.74")	198 (7.79")
SSP80 PL CD	551÷630 (21.69"÷24.80")	760 (29.92")	670 (26.37")	940 (37")	870 (34.25")	410 (16.14")	410 (16.14")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	800 (31.50")	198 (7.79")
SSP90 PL CD	631÷715 (24.84"÷28.15")	845 (33.46")	755 (29.72")	1025 (40.31")	955 (37.6")	452 (17.80")	452 (17.80")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	884 (34.80")	280 (11.02")
SSP100 PL CD	716÷800 (28.19"÷31.50")	940 (37")	850 (33.46")	1120 (44.09")	1050 (41.33")	495 (19.49")	495 (19.49")	60 (2.36")	90 (3.54")	290 (11.42")	150 (5.90")	31 (1.22")	970 (38.19")	170 (6.69")

Code SSP (Material Carbon Steel S 275 JR)

Nut: M30 | N. of Nuts: 12 | N. of Plastic Pads: 8

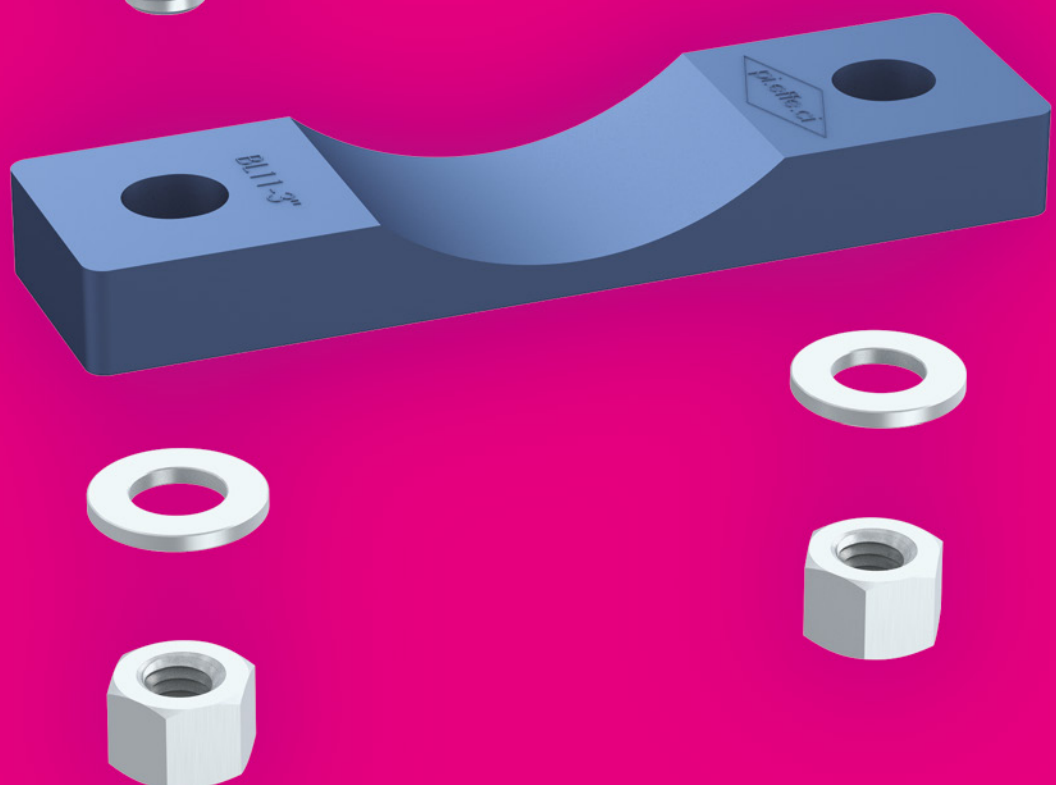




PIPE CLAMPS
U-BOLT SERIES

PIPE CLAMPS **U-BOLT SERIES**
Order Codes and Dimensions (mm/in)

126





PIPE CLAMPS U-BOLT SERIES

PIPE CLAMPS
U-BOLT SERIES

127

CLAMP BODY STANDARD MATERIALS



Carbon Steel S 275 JR
Finishing Zinc Plated
Code CL - CM - CP - CD - CQL - CQM - CQP - COR



Stainless Steel AISI 304L
Finishing Washed
Code XCL - XCP



Stainless Steel AISI 316L
Finishing Washed
Code XCM



Carbon Steel S 275 JR
Finishing Crapal
Code CZF



**Galvanized Hexavalent
Chromium-free Steel S 235 JR**
Code CFP

DIFFERENT DAMETERS AVAILABLE ON REQUEST.

For Material Characteristics, see Technical Appendix (page 147).

COMPONENTS AND ACCESSORIES STANDARD MATERIALS

Plastic pipe saddle (on request)
material Polypropylene (PP) or Polyamide (PA)

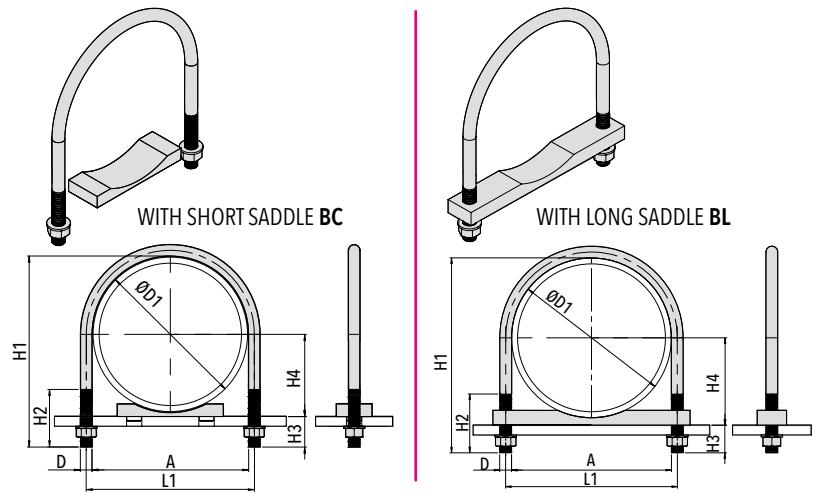
CL - CM - CP U-Bolts are supplied with 2 bolts and 2 washers.
CD U-Bolts are supplied with 4 nuts and 2 washers.
CFP U-Bolts are supplied with 2 nuts and 2 screws.

For Material Characteristics, see Technical Appendix (page 147).





ROUND U-BOLT



Code CL / CM / CP
(Material S275JRC - Finishing Zinc Plated)

Code CZF
(Material S275JRC - Finishing Crapal)

Code XCL / XCP
(Material AISI 304L - Finishing Washed)

Code XCM
(Material AISI 316L - Finishing Washed)

O.D. ØD1		Nominal Diameter DN	Code	Thread D	A	L1	H1	H2	(DN 6-15 no saddle)	
nominal bore pipe	mm								H3	H4
1/8"	10 (.40")	6	CL 01	M6	11 (.43")	17 (.67")	31	19	21	5 (.20")
			CZF 01				(1.22")	(.75")	(.83")	
			XCL 01				29	16	19	
							(1.14")	(.63")	(.75")	
1/4"	13,5 (.53")	8	CL 02	M6	14 (.56")	20 (.78")	34	19	20,5	6,75 (.27")
			CZF 02				(1.34")	(.75")	(.81")	
			XCL 02				32	16	18,5	
							(1.26")	(.63")	(.73")	
3/8"	17,2 (.68")	10	CL 03	M6	18 (.70")	24 (.94")	37	19	19,8	8,6 (.34")
			CZF 03				(1.46")	(.75")	(.78")	
			XCL 03				36	16	18,8	
							(1.42")	(.63")	(.74")	
1/2"	21,3 (.84")	15	CL 04	M6	22 (.87")	28 (1.10")	43	25	21,7	10,65 (.42")
			CZF 04				(1.70")	(.98")	(.85")	
			XCL 04	M8	22 (.87")	30 (1.18")	40	18	18,7	
							(1.57")	(.70")	(.74")	
CM 04	M10	22 (.87")	32 (1.26")	52	30	30,7				
XCM 04				(2.05")	(1.18")	(1.21")				
XCP 04				48	25	26,7				
CP 04						60	40	38,7		
						(2.36")	(1.57")	(1.52")		

O.D. ØD1		Nominal Diameter DN	Code	Thread D	A	L1	H1	H2	with BC		with BL	
nominal bore pipe	mm								H3	H4	H3	H4
3/4"	26,9 (1.06")	20	CL 05	M6	27 (1.06")	33 (1.30")	47	25	15	15	18,45	18,45
			CZF 05				(1.85")	(.98")	(.60")	(.60")	(.73")	(.73")
			XCL 05				45	18	13,1	13,1		
							(1.77")	(.71")	(.52")	(.52")		
			CM 05	M8	27 (1.06")	35 (1.38")	56	30	24,1	24,1	18,45	18,45
			XCM 05				(2.20")	(1.18")	(.95")	(.95")	(.73")	(.73")
			XCP 05				52	25	20	20		
							(2.05")	(.98")	(.79")	(.79")		
CP 05	M10	27 (1.06")	37 (1.46")	66 (2.60")	40 (1.57")	34,1 (1.34")	18,45 (.73")	34,1 (1.34")	18,45 (.73")			
							(2.60")	(1.57")	(1.34")	(.73")	(1.34")	(.73")
1"	33,7 (1.33")	25	CL 06	M6	34 (1.34")	40 (1.57")	55	25	16,43	16,43	21,85	21,85
			CZF 06				(2.17")	(.98")	(.65")	(.65")	(.86")	(.86")
			XCL 06	M8	34 (1.34")	42 (1.65")	52	18	13,3	13,3		
							(2.05")	(.71")	(.52")	(.52")		
CM 06	M10	34 (1.34")	44 (1.73")	64	30	25,3	25,3	21,85 (.86")	21,85 (.86")			
XCM 06				(2.52")	(1.18")	(1")	(1")	(.86")	(.86")			
XCP 06				60	25	21,3	21,3					
CP 06						72	40	33,3	33,3	21,85 (.86")	21,85 (.86")	
						(2.36")	(.98")	(.84")	(.84")	(1.31")	(.86")	



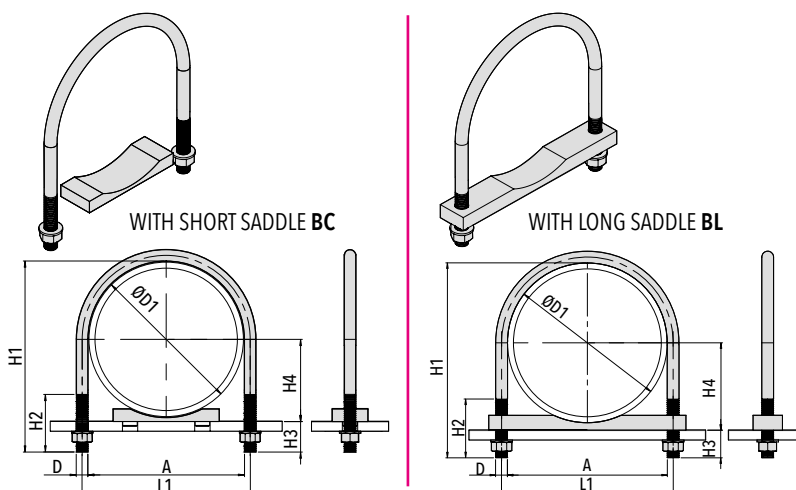
ROUND U-BOLT

Code CL / CM / CP
(Material S275JRC - Finishing Zinc Plated)

Code CZF
(Material S275JRC - Finishing Crapal)

Code XCL / XCP
(Material AISI 304L - Finishing Washed)

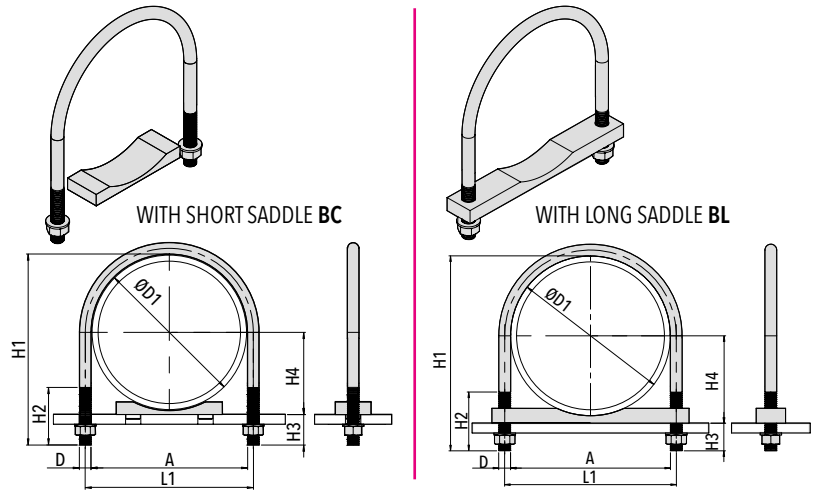
Code XCM
(Material AISI 316L - Finishing Washed)



O.D. ØD1 nominal bore pipe	ØD1 mm	Nominal Diameter DN	Code	Thread D	A	L1	H1	H2	with BC		with BL				
									H3	H4	H3	H4			
1.1/4"	42,4 (1.69")	32	CL 07	M6	43 (1.70")	49 (1.93")	63 (2.48")	25 (.98")	15,46 (.61")	26,2 (1.03")	15,46 (.61")	26,2 (1.03")			
			CZF 07				61 (2.40")	18 (.71")	13,6 (.54")	13,6 (.54")					
			XCL 07	M8	43 (1.70")	51 (2.01")	72 (2.83")	30 (1.18")	24,6 (.97")	26,2 (1.03")	24,6 (.97")	26,2 (1.03")			
			CM 07				68 (2.68")	25 (.98")	20,6 (.81")	20,6 (.81")					
			XCM 07				M10	43 (1.70")	53 (2.08")	82 (3.23")	40 (1.57")	34,6 (1.36")	26,2 (1.03")	34,6 (1.36")	26,2 (1.03")
			XCP 07							78 (3.07")	36 (1.42")	24,7 (.97")	24,7 (.97")		
1.1/2"	48,3 (1.90")	40	CL 08	M8	49 (1.93")	57 (2.24")	73 (2.87")	30 (1.18")	19,7 (.78")	29,15 (1.15")	19,7 (.78")	29,15 (1.15")			
			CZF 08				70 (2.76")	28 (1.10")	16,7 (.66")	16,7 (.66")					
			XCL 08	M10	49 (1.93")	59 (2.32")	82 (3.23")	40 (1.57")	28,7 (1.13")	29,15 (1.15")	28,7 (1.13")	29,15 (1.15")			
			CM 08				78 (3.07")	36 (1.42")	24,7 (.97")	24,7 (.97")					
			XCM 08				M12	49 (1.93")	61 (2.40")	100 (3.94")	60 (2.36")	46,7 (1.84")	29,15 (1.15")	46,7 (1.84")	29,15 (1.15")
			XCP 08							85 (3.35")	30 (1.18")	19,7 (.78")	35,15 (1.38")	19,7 (.78")	35,15 (1.38")
2"	60,3 (2.41")	50	CL 09	M8	61 (2.40")	69 (2.72")	82 (3.23")	28 (1.10")	16,7 (.66")	35,15 (1.38")	16,7 (.66")	35,15 (1.38")			
			CZF 09				94 (3.70")	40 (1.57")	28,7 (1.13")	28,7 (1.13")					
			XCL 09	M10	61 (2.40")	71 (2.80")	90 (3.54")	36 (1.42")	24,7 (.94")	24,7 (.94")					
			CM 09				M12	61 (2.40")	73 (2.87")	112 (4.41")	60 (2.36")	46,7 (1.84")	35,15 (1.38")	46,7 (1.84")	35,15 (1.38")
			XCM 09							101 (3.98")	30 (1.18")	19,9 (.78")	43 (1.69")	19,9 (.78")	43 (1.69")
			XCP 09				98 (3.86")	28 (1.10")	16,9 (.67")	16,9 (.67")					
2.1/2"	76,1 (3.04")	65	CL 10	M8	77 (3.03")	85 (3.35")	110 (4.33")	40 (1.57")	28,9 (1.14")	43 (1.69")	28,9 (1.14")	43 (1.69")			
			CZF 10				106 (4.17")	36 (1.42")	24,9 (.98")	24,9 (.98")					
			XCL 10	M10	77 (3.03")	87 (3.43")	128 (5.04")	60 (2.36")	46,9 (1.85")	43 (1.69")	46,9 (1.85")	43 (1.69")			
			CM 10				113 (4.45")	30 (1.18")	16,1 (.63")	52,45 (2.06")	19,1 (.75")	49,45 (1.95")			
			XCM 10				M12	77 (3.03")	89 (3.50")	110 (4.33")	28 (1.10")	13,1 (.52")	16,1 (.63")		
			XCP 10							122 (4.80")	40 (1.57")	25,1 (.99")	52,45 (2.06")	28,1 (1.11")	49,45 (1.95")
3"	88,9 (3.56")	80	CL 11	M8	89 (3.50")	97 (3.82")	118 (4.65")	36 (1.42")	21 (.83")	52,45 (2.06")	24 (.94")	49,45 (1.95")			
			CZF 11				140 (5.51")	60 (2.36")	43,1 (1.70")	52,45 (2.06")	46,1 (1.81")	49,45 (1.95")			
			XCL 11	M10	89 (3.50")	99 (3.90")	122 (4.80")	40 (1.57")	25,1 (.99")	52,45 (2.06")	28,1 (1.11")	49,45 (1.95")			
			CM 11				118 (4.65")	36 (1.42")	21 (.83")	52,45 (2.06")	24 (.94")	49,45 (1.95")			
			XCM 11				M12	89 (3.50")	101 (3.98")	140 (5.51")	60 (2.36")	43,1 (1.70")	52,45 (2.06")	46,1 (1.81")	49,45 (1.95")
			XCP 11							122 (4.80")	40 (1.57")	25,1 (.99")	52,45 (2.06")	28,1 (1.11")	49,45 (1.95")



ROUND U-BOLT



Code CL / CM / CP
(Material S275JRC - Finishing Zinc Plated)

Code CZF
(Material S275JRC - Finishing Crapal)

Code XCL / XCP
(Material AISI 304L - Finishing Washed)

Code XCM
(Material AISI 316L - Finishing Washed)

O.D. ØD1		Nominal Diameter DN	Code	Thread D	A	L1	H1	H2	with BC		with BL				
nominal bore pipe	mm								H3	H4	H3	H4			
3.1/2"	102 (4.02")	90	CL 12	M8	102 (4.02")	110 (4.33")	130 (5.12")	35 (1.38")	20 (.79")	18 (.71")	61 (2.40")				
			CZF 12				127 (5")	35 (1.38")	17 (.67")	59 (2.32")					
			XCL 12	M12	102 (4.02")	114 (4.49")	142 (5.59")	50 (1.97")	32 (1.26")	59 (2.32")	30 (1.18")				
			CM 12				137 (5.39")	45 (1.77")	27 (1.06")	25 (.98")	61 (2.40")				
			XCP 12				M16	102 (4.02")	118 (4.65")	159 (6.26")	70 (2.76")	49 (1.93")	59 (2.32")	47 (1.85")	61 (2.40")
			CP 12					115 (4.53")	123 (4.84")	142 (5.59")	35 (1.38")	19,7 (.78")	65,15 (2.56")	17,7 (.70")	67,15 (2.64")
4"	114,3 (5.57")	100	CL 13	M8	115 (4.53")	123 (4.84")	139 (5.47")	35 (1.38")	16,7 (.66")	14,7 (.58")	67,15 (2.64")				
			XCL 13				115 (4.53")	125 (4.92")	142 (5.59")	35 (1.38")		19 (.75")	65,15 (2.56")	17 (.67")	
			CZF 13	M12	115 (4.53")	127 (5")	156 (6.14")	50 (1.97")	33,7 (1.33")	65,15 (2.56")	31,7 (1.25")	67,15 (2.64")			
			CM 13				151 (5.94")	45 (1.77")	28,7 (1.13")	26,7 (1.05")	67,15 (2.64")				
			XCP 13				M16	115 (4.53")	131 (5.16")	173 (6.81")	70 (2.76")	50,7 (2")	65,15 (2.56")	48,7 (1.92")	67,15 (2.64")
			CP 13					140 (5.51")	148 (5.83")	169 (6.65")	35 (1.38")	21,3 (.84")	78,85 (3.10")	19,3 (.76")	79,85 (3.14")
5"	139,7 (5.59")	125	CL 14	M8	140 (5.51")	148 (5.83")	165 (6.50")	35 (1.38")	17,3 (.68")	15,3 (.60")	79,85 (3.14")				
			XCL 14				140 (5.51")	150 (5.91")	169 (6.65")	35 (1.38")		21 (.83")	78,85 (3.10")	19 (.75")	
			CZF 14	M12	140 (5.51")	152 (5.98")	180 (7.09")	50 (1.97")	32,3 (1.27")	78,85 (3.10")	30,3 (1.19")	79,85 (3.14")			
			CM 14				175 (6.89")	45 (1.77")	27,3 (1.07")	25,3 (1")	79,85 (3.14")				
			XCP 14				M16	140 (5.51")	156 (6.14")	197 (7.76")	70 (2.76")	49,3 (1.94")	78,85 (3.10")	47,3 (1.86")	79,85 (3.14")
			CP 14					168 (6.61")	178 (7.01")	202 (7.95")	45 (1.77")	26 (1.02")	92 (3.62")	24 (.94")	94 (3.70")
6"	168 (6.61")	150	CL 15	M10	168 (6.61")	178 (7.01")	196 (7.72")	45 (1.77")	20 (.79")	18 (.71")	94 (3.70")				
			CZF 15				168 (6.61")	180 (7.09")	208 (8.19")	50 (1.97")		32 (1.26")	92 (3.62")	30 (1.18")	
			XCL 15	M12	168 (6.61")	180 (7.09")	208 (8.19")	50 (1.97")	32 (1.26")	92 (3.62")	30 (1.18")	94 (3.70")			
			CM 15				168 (6.61")	184 (7.24")	225 (8.86")	70 (2.76")	49 (1.93")	92 (3.62")	47 (1.85")	94 (3.70")	
CP 15	M16	168 (6.61")	184 (7.24")	225 (8.86")	70 (2.76")	49 (1.93")	92 (3.62")	47 (1.85")	94 (3.70")						



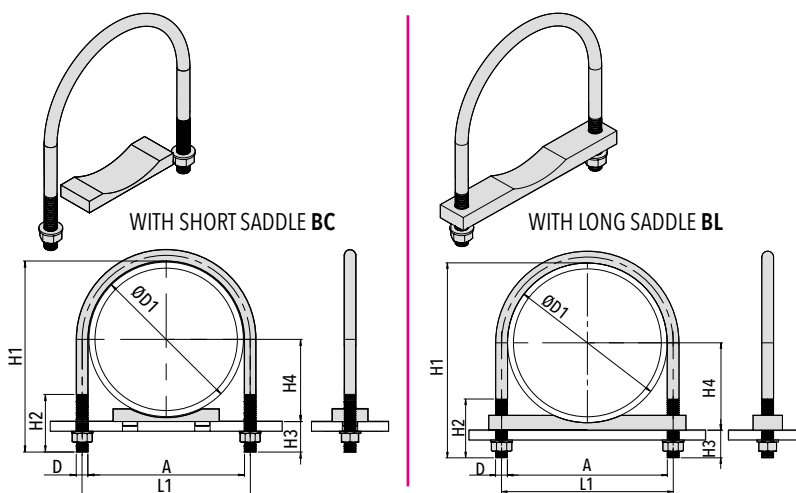
ROUND U-BOLT

Code CL / CM / CP
(Material S275JRC - Finishing Zinc Plated)

Code CZF
(Material S275JRC - Finishing Crapal)

Code XCL / XCP
(Material AISI 304L - Finishing Washed)

Code XCM
(Material AISI 316L - Finishing Washed)

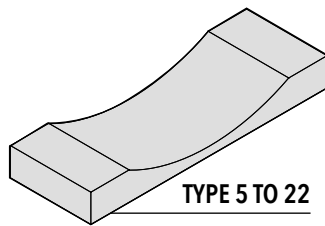


O.D. ØD1 nominal bore pipe	mm	Nominal Diameter DN	Code	Thread D	A	L1	H1	H2	with BC		with BL	
									H3	H4	H3	H4
8"	219 (8.62")	200	CL 16	M10	220 (8.66")	230 (9.06")	254 (10")	45 (1.77")	27 (1.06")	117,5 (4.63")	25 (.98")	119,5 (4.70")
			CZF 16									
			XCL 16	M16	220 (8.66")	236 (9.29")	248 (9.76")	60 (2.36")	40 (1.57")	118 (4.65")	38 (1.50")	120 (4.72")
			CM 16									
10"	273 (10.92")	250	CL 17	M10	274 (10.78")	284 (11.18")	308 (12.13")	45 (1.77")	27 (1.06")	144 (5.67")	25 (.98")	146 (5.75")
			CZF 17									
			XCL 17	M16	274 (10.78")	290 (11.42")	302 (11.89")	60 (2.36")	39 (1.54")	145 (5.71")	37 (1.46")	147 (5.79")
			CM 17									
12"	324 (12.76")	350	CP 17	M20	274 (10.78")	294 (11.57")	339 (13.35")	80 (3.15")	58 (2.28")	144,5 (5.69")	56 (2.20")	146,5 (5.77")
			CL 18									
			CM 18	M24	324 (12.76")	348 (13.70")	379 (14.92")	90 (3.54")	64 (2.52")	170 (6.69")	40 (1.57")	177 (6.97")
			CP 18									
14"	356 (14.02")	350	CL 19	M16	356 (14.02")	372 (14.65")	400 (15.75")	60 (2.36")	36 (1.42")	186 (7.32")	29 (1.14")	193 (7.60")
			CM 19									
			CP 19	M24	356 (14.02")	380 (14.96")	428 (16.85")	90 (3.54")	64 (2.52")	186 (7.32")	57 (2.24")	193 (7.60")
			CL 20									
16"	406,4 (16.26")	400	CM 20	M20	408 (16.06")	424 (16.69")	463 (18.23")	70 (2.76")	48,6 (1.91")	211,2 (8.31")	41,6 (1.64")	218,2 (8.59")
			CP 20									
			CM 21	M24	408 (16.06")	432 (17.01")	480 (18.90")	90 (3.54")	65,6 (2.58")	211,2 (8.31")	58,6 (2.31")	218,2 (8.59")
			CP 21									
18"	457,2 (18")	450	CM 22	M20	460 (18.11")	480 (20.28")	515 (20.28")	70 (2.76")	49,8 (1.97")	236,6 (9.31")	42,8 (1.69")	243,6 (9.59")
			CP 22									
			CM 23	M24	460 (18.11")	484 (19.06")	532 (20.94")	90 (3.54")	66,8 (2.63")	236,6 (9.31")	59,8 (2.35")	243,6 (9.59")
			CP 23									
20"	508 (20")	500	CM 22	M20	510 (20.08")	530 (20.87")	565 (22.24")	70 (2.76")	49 (1.93")	262 (10.31")	42 (1.65")	269 (10.59")
			CP 22									
			CM 23	M24	510 (20.08")	534 (21.02")	582 (22.91")	90 (3.54")	66 (2.60")	262 (10.31")	59 (2.32")	269 (10.59")
			CP 23									
24"	609,6 (24")	600	CM 23	M20	612 (24.09")	632 (24.88")	667 (26.26")	70 (2.76")	--	--	42,4 (1.67")	319,8 (12.59")
			CP 23									
			CM 24	M24	612 (24.09")	636 (25.04")	684 (26.93")	90 (3.54")	--	--	59,4 (2.34")	319,8 (12.59")
			CP 24									



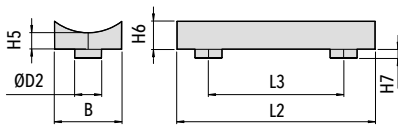
BC SHORT PLASTIC PIPE SADDLE

Code	O.D. ØD1		L2	L3	B	H5	H6	H7	ØD2
	mm	nominal bore pipe							
BC05÷8	26,9	3/4"	35 (1.38")	25 (.98")	24 (.94")	5 (.19")	8 (.31")	5 (.19")	8 (.31")
	33,7	1"	35 (1.38")	25 (.98")	24 (.94")	5 (.19")	8 (.31")	5 (.19")	8 (.31")
	42,4	1.1/4"	35 (1.38")	25 (.98")	24 (.94")	5 (.19")	8 (.31")	5 (.19")	8 (.31")
	48,3	1.1/2"	35 (1.38")	25 (.98")	24 (.94")	5 (.19")	8 (.31")	5 (.19")	8 (.31")
BC09÷10	60,3	2"	38 (1.49")	25 (.98")	50 (1.96")	5 (.19")	10 (.39")	6 (.23")	10 (.39")
	76,1	2.1/2"	38 (1.49")	25 (.98")	50 (1.96")	5 (.19")	10 (.39")	6 (.23")	10 (.39")
BC11÷14	88,9	3"	75 (2.95")	40 PP / 40.5 PA (1.57" PP / 1.59" PA)	70 (2.75")	8 (.31")	17 (.67")	10 (.39")	15 (.59")
	102	3.1/2"	75 (2.95")	40 PP / 40.5 PA (1.57" PP / 1.59" PA)	70 (2.75")	8 (.31")	17 (.67")	10 (.39")	15 (.59")
	114,3	4"	75 (2.95")	40 PP / 40.5 PA (1.57" PP / 1.59" PA)	70 (2.75")	8 (.31")	17 (.67")	10 (.39")	15 (.59")
BC15÷17	139,7	5"	75 (2.95")	40 PP / 40.5 PA (1.57" PP / 1.59" PA)	70 (2.75")	8 (.31")	17 (.67")	10 (.39")	15 (.59")
	168	6"	140 (5.51")	90 PP / 91 PA (3.54" PP / 3.58" PA)	75 (2.95")	8 (.31")	26 (1.02")	10 (.39")	25 (.98")
	219	8"	140 (5.51")	90 PP / 91 PA (3.54" PP / 3.58" PA)	75 (2.95")	8 (.31")	26 (1.02")	10 (.39")	25 (.98")
BC18÷22	273	10"	140 (5.51")	90 PP / 91 PA (3.54" PP / 3.58" PA)	75 (2.95")	8 (.31")	26 (1.02")	10 (.39")	25 (.98")
	324	12"	220 (8.66")	150 PP / 152 PA (5.90" PP / 5.98" PA)	75 (2.95")	8 (.31")	32 (1.26")	10 (.39")	30 (1.18")
	356	14"	220 (8.66")	150 PP / 152 PA (5.90" PP / 5.98" PA)	75 (2.95")	8 (.31")	32 (1.26")	10 (.39")	30 (1.18")
BC18÷22	406,4	16"	220 (8.66")	150 PP / 152 PA (5.90" PP / 5.98" PA)	75 (2.95")	8 (.31")	32 (1.26")	10 (.39")	30 (1.18")
	457,2	18"	220 (8.66")	150 PP / 152 PA (5.90" PP / 5.98" PA)	75 (2.95")	8 (.31")	32 (1.26")	10 (.39")	30 (1.18")
	508	20"	220 (8.66")	150 PP / 152 PA (5.90" PP / 5.98" PA)	75 (2.95")	8 (.31")	32 (1.26")	10 (.39")	30 (1.18")

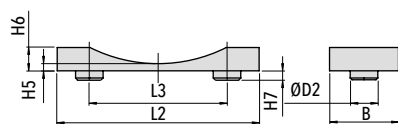


TYPE 5 TO 22

TYPE 5 TO 8



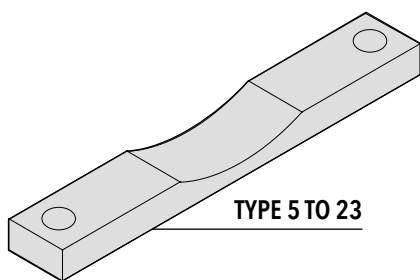
TYPE 9 TO 22



Code BC (Material PP - PA)

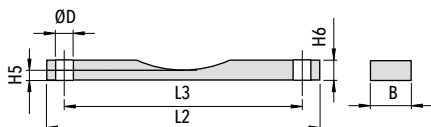


BL LONG PLASTIC PIPE SADDLE



TYPE 5 TO 23

Code BL (Material PP - PA)



Code	O.D. ØD1		L2	L3	B	H5	H6	ØD
	mm	nominal bore pipe						
BL05	26,9	3/4"	70 (2.75")	37 (1.45")	30 (1.18")	5 (.19")	12 (.47")	11 (.43")
BL06	33,7	1"	75 (2.95")	43 (1.69")	30 (1.18")	5 (.19")	12 (.47")	11 (.43")
BL07	42,4	1.1/4"	75 (2.95")	52 (2.04")	30 (1.18")	5 (.19")	12 (.47")	11 (.43")
BL08	48,3	1.1/2"	95 (3.74")	60 (2.36")	35 (1.37")	5 (.19")	15 (.59")	13 (.51")
BL09	60,3	2"	95 (3.74")	72 (2.83")	35 (1.37")	5 (.19")	15 (.59")	13 (.51")
BL10	76,1	2.1/2"	115 (4.52")	88 (3.46")	35 (1.37")	5 (.19")	15 (.59")	13 (.51")
BL11	88,9	3"	135 (5.31")	100 (3.93")	35 (1.37")	5 (.19")	15 (.59")	13 (.51")
BL12	102	3.1/2"	150 (5.90")	117 (4.60")	40 (1.57")	10 (.39")	20 (.79")	18 (.70")
BL13	114,3	4"	185 (7.28")	131" (5.15")	40 (1.57")	10 (.39")	20 (.79")	18 (.70")
BL14	139,7	5"	210 (8.26")	154,5 (6.08")	40 (1.57")	10 (.39")	20 (.79")	18 (.70")
BL15	168	6"	220 (8.66")	182 (7.16")	40 (1.57")	10 (.39")	20 (.79")	18 (.70")
BL16	219	8"	280 (11.02")	240 (9.45")	50 (1.96")	10 (.39")	25 (.98")	22 (.86")
BL17	273	10"	350 (13.77")	294 (11.57")	50 (1.96")	10 (.39")	25 (.98")	22 (.86")
BL18	324	12"	420 (16.53")	348 (13.70")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")
BL19	356	14"	460 (18.11")	380 (14.96")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")
BL20	406,4	16"	510 (20.07")	432 (17")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")
BL21	457,2	18"	550 (21.65")	484 (19.05")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")
BL22	508	20"	600 (23.62")	534 (21.02")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")
BL23	609,6	24"	700 (27.56")	636 (25.04")	60 (2.36")	15 (.59")	30 (1.18")	26 (1.02")

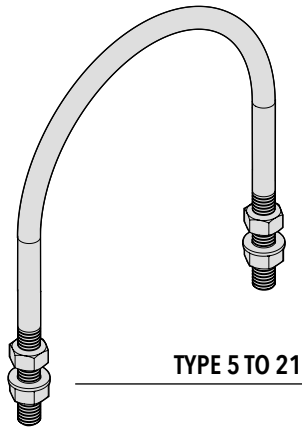


PIPE CLAMPS **U-BOLT SERIES**

Order Codes and Dimensions (mm/in)

CD U-BOLT DIN 3570

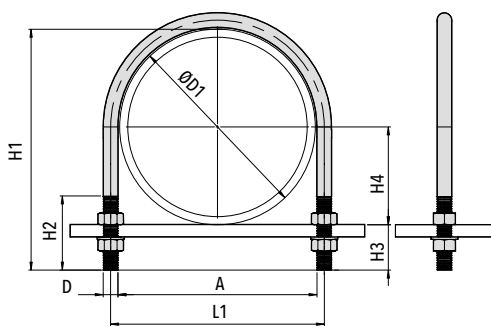
Code	O.D. ØD1			A	L1	H1	H2	H3	H4	D
	mm	nominal bore pipe	nominal diameter DN							
CD 05	26,9	3/4"	20	30 (1.18")	40 (1.57")	60 (2.36")	40 (1.57")	33,1 (1.30")	13,5 (.53")	M10
CD 06	33,7	1"	25	38 (1.49")	48 (1.89")	66 (2.60")	40 (1.57")	32,3 (1.27")	16,9 (.66")	M10
CD 07	42,4	1.1/4"	32	46 (1.81")	56 (2.20")	76 (2.99")	50 (1.97")	33,6 (1.32")	21,2 (.83")	M10
CD 08	48,3	1.1/2"	40	52 (2.04")	62 (2.44")	82 (3.22")	50 (1.97")	33,7 (1.32")	24,2 (.95")	M10
CD 09	60,3	2"	50	64 (2.52")	76 (2.99")	97 (3.82")	50 (1.97")	36,7 (1.44")	35,2 (1.38")	M12
CD 10	76,1	2.1/2"	65	82 (3.23")	94 (3.70")	113 (4.45")	50 (1.97")	36,9 (1.45")	30,2 (1.19")	M12
CD 11	88,9	3"	80	94 (3.70")	106 (4.17")	126 (4.96")	50 (1.97")	37,1 (1.46")	44,5 (1.75")	M12
CD 12	114,3	4"	100	120 (4.72")	136 (5.35")	155 (6.10")	60 (2.36")	40,7 (1.60")	57,2 (2.25")	M16
CD 13	139,7	5"	125	148 (5.82")	164 (6.45")	175 (6.89")	60 (2.36")	35,3 (1.39")	69,9 (2.75")	M16
CD 14	168	6"	150	176 (6.93")	192 (7.56")	201 (7.91")	60 (2.36")	32,7 (1.28")	84,2 (3.31")	M16
CD 15	193,7	7"	175	202 (7.95")	218 (8.58")	233 (9.17")	60 (2.36")	39,3 (1.54")	96,9 (3.81")	M16
CD 16	219	8"	200	228 (8.97")	248 (9.76")	263 (10.35")	70 (2.75")	43,9 (1.73")	109,6 (4.31")	M20
CD 17	273	10"	250	282 (11.10")	302 (11.89")	314 (12.36")	70 (2.75")	41 (1.61")	136,5 (5.37")	M20
CD 18	324	12"	300	332 (13.07")	352 (13.86")	365 (14.37")	70 (2.75")	41 (1.61")	162 (6.37")	M20
CD 19	356	14"	350	378 (14.88")	402 (15.82")	411 (16.18")	70 (2.75")	55 (2.16")	178 (7")	M24
CD 20	406,4	16"	400	428 (16.85")	452 (17.79")	463 (18.23")	70 (2.75")	56,6 (2.23")	203,2 (8")	M24
CD 21	508	20"	500	530 (20.86")	554 (21.81")	565 (22.24")	70 (2.75")	57 (2.24")	254 (10")	M24



PIPE CLAMPS
U-BOLT SERIES

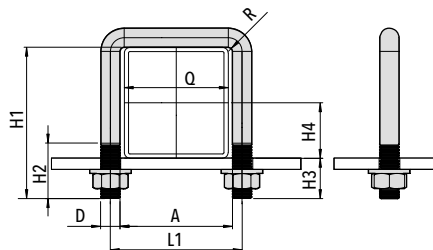
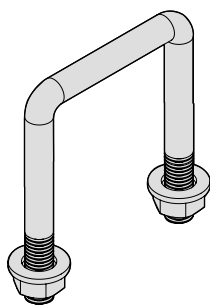
134

Code CD
(Material Carbon Steel S 275 JR
Finishing Zinc Plated)





SQUARE U-BOLT

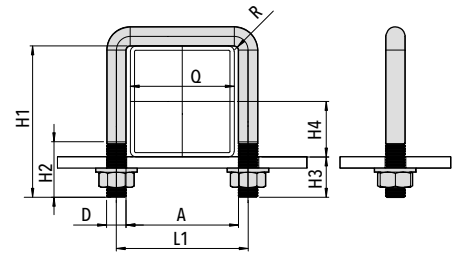
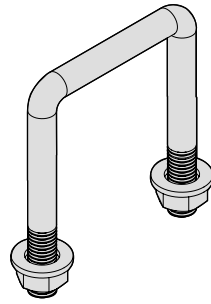


Code **CQL / CQM / CQP / CQR**
(Material S 275 JR
Finishing Zinc Plated)

Pipe Size Q mm (in)	Code	Thread D	A	L1	H1	H2	H3	H4	R
30x30 (1.18"x1.18")	CQL 03	M8		39 (1.54")	50 (1.97")	25 (.98")	20 (.79")	15 (.59")	4 (.16")
	CQM 03	M10	31 (1.22")	41 (1.61")	52 (2.05")	30 (1.18")	22 (.87")	15 (.59")	5 (.20")
	CQP 03	M12		43 (1.69")	56 (2.20")	35 (1.38")	26 (1.02")	15 (.59")	6 (.24")
40x40 (1.57"x1.57")	CQL 04	M8		49 (1.93")	60 (2.36")	25 (.98")	20 (.79")	20 (.79")	4 (.16")
	CQM 04	M10	41 (1.61")	51 (2.01")	62 (2.44")	30 (1.18")	22 (.87")	20 (.79")	5 (.20")
	CQP 04	M12		53 (2.09")	66 (2.60")	35 (1.38")	26 (1.02")	20 (.79")	6 (.24")
50x50 (1.97"x1.97")	CQL 05	M8		59 (2.32")	70 (2.76")	25 (.98")	20 (.79")	25 (.98")	4 (.16")
	CQM 05	M10	51 (2.01")	61 (2.40")	72 (2.83")	30 (1.18")	2 (.87")	25 (.98")	5 (.20")
	CQP 05	M12		63 (2.48")	76 (2.99")	35 (1.38")	26 (1.02")	25 (.98")	6 (.24")
60x60 (2.36"x2.36")	CQL 06	M10		71 (2.80")	82 (3.23")	30 (1.18")	22 (.87")	30 (1.18")	5 (.20")
	CQM 06	M12		73 (2.87")	86 (3.39")	35 (1.38")	26 (1.02")	30 (1.18")	6 (.24")
	CQP 06	M14	61 (2.40")	75 (2.95")	90 (3.54")	40 (1.57")	30 (1.18")	30 (1.18")	7 (.28")
	CQR 06	M16		77 (3.03")	94 (3.70")	50 (1.97")	34 (1.34")	30 (1.18")	31 (.31")
70x70 (2.76"x2.76")	CQL 07	M10		81 (3.19")	92 (3.62")	30 (1.18")	22 (.87")	35 (1.38")	5 (.20")
	CQM 07	M12		83 (3.27")	96 (3.78")	35 (1.38")	26 (1.02")	35 (1.38")	6 (.24")
	CQP 07	M14	71 (2.80")	85 (3.35")	100 (3.94")	40 (1.57")	30 (1.18")	35 (1.38")	7 (.28")
	CQR 07	M16		87 (3.43")	104 (4.09")	50 (1.97")	34 (1.34")	35 (1.38")	8 (.31")



SQUARE U-BOLT



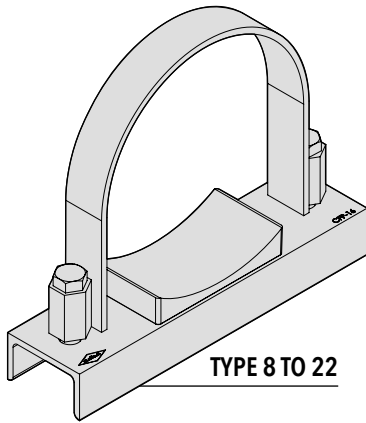
Code **CQL / CQM / CQP / CQR**
(Material S 275 JR
Finishing Zinc Plated)

Pipe Size Q mm (in)	Code	Thread D	A	L1	H1	H2	H3	H4	R
80x80 (3.15"x3.15")	CQL 08	M10	81 (3.19")	91 (3.58")	102 (4.02")	30 (1.18")	22 (.87")	40 (1.57")	5 (.20")
	CQM 08	M12		93 (3.66")	106 (4.17")	35 (1.38")	26 (1.02")	40 (1.57")	6 (.24")
	CQP 08	M14		95 (3.74")	110 (4.33")	40 (1.57")	30 (1.18")	40 (1.57")	7 (.28")
	CQR 08	M16		97 (3.82")	114 (4.49")	50 (1.97")	34 (1.34")	40 (1.57")	8 (.31")
90x90 (3.54"x3.54")	CQL 09	M10	91 (3.58")	101 (3.98")	112 (4.41")	30 (1.18")	22 (.87")	45 (1.77")	5 (.20")
	CQM 09	M12		103 (4.06")	116 (4.57")	35 (1.38")	26 (1.02")	45 (1.77")	6 (.24")
	CQP 09	M14		105 (4.13")	120 (4.72")	40 (1.57")	30 (1.18")	45 (1.77")	7 (.28")
	CQR 09	M16		107 (4.21")	124 (4.89")	50 (1.97")	34 (1.34")	45 (1.77")	8 (.31")
100x100 (3.94"x3.94")	CQL 10	M10	101 (3.98")	111 (4.37")	122 (4.80")	30 (1.18")	22 (.87")	50 (1.97")	5 (.20")
	CQM 10	M12		113 (4.45")	126 (4.96")	35 (1.38")	26 (1.02")	50 (1.97")	6 (.24")
	CQP 10	M14		115 (4.53")	130 (5.12")	40 (1.57")	30 (1.18")	50 (1.97")	7 (.28")
	CQR 10	M16		117 (4.61")	134 (5.28")	50 (1.97")	34 (1.34")	50 (1.97")	8 (.31")
110x110 (4.33"x4.33")	CQR 11	M16	111 (4.37")	127 (5")	144 (5.67")	50 (1.97")	34 (1.34")	55 (2.17")	8 (.31")
120x120 (4.72"x4.72")	CQR 12	M16	121 (4.76")	137 (5.39")	154 (6.06")	50 (1.97")	34 (1.34")	60 (2.36")	8 (.31")

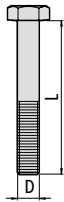
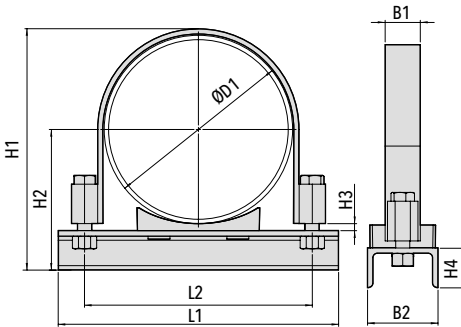


CFP FLAT STEEL U-BOLT

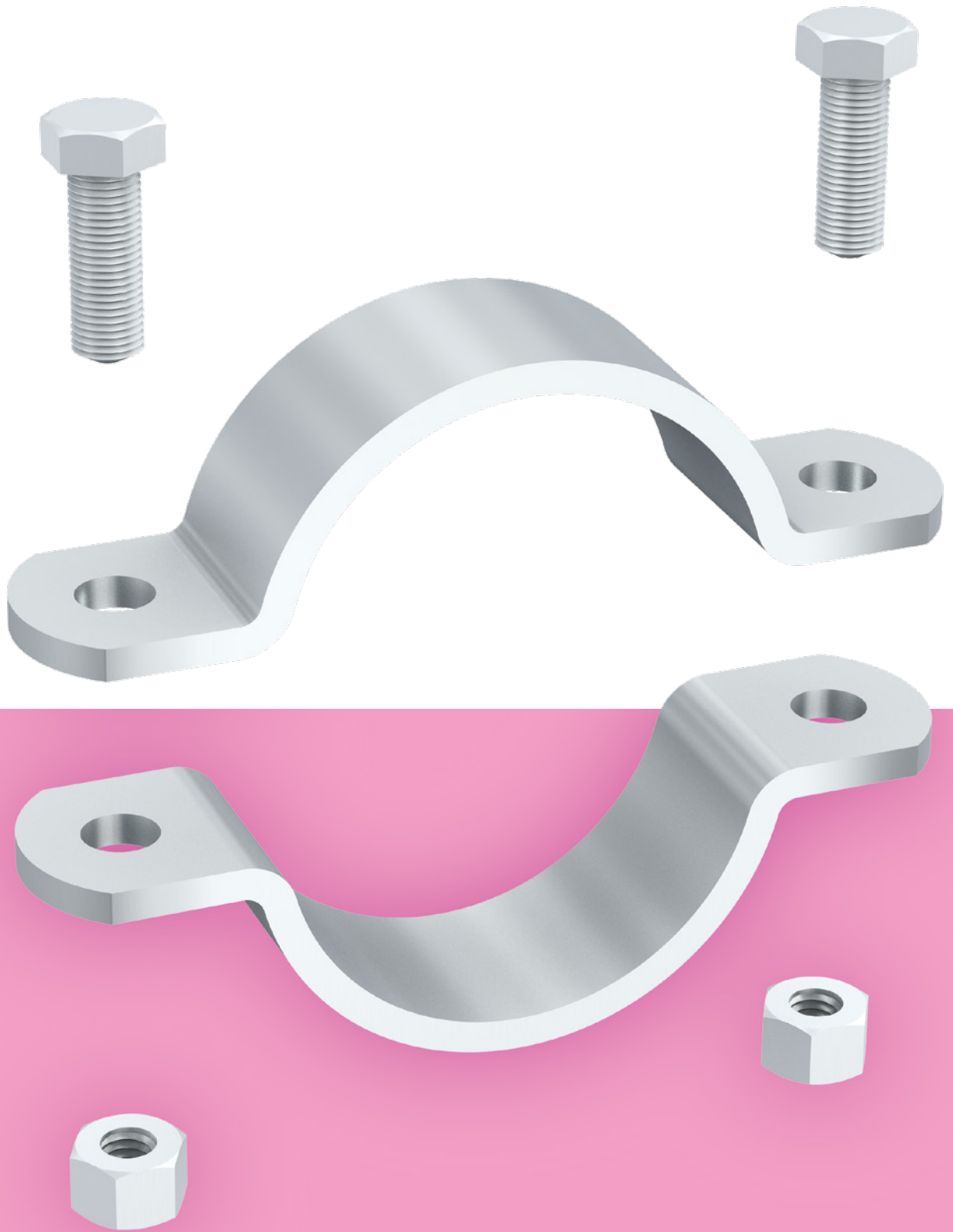
STAINLESS STEEL "U" PROFILE (DIN 1026)
WITH SHORT PLASTIC SADDLE BC
(see page 128)

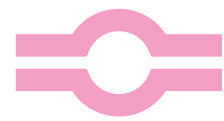


Code CFP
(Material Galvanized Hexavalent
Chromium-free Steel St630)



Code	O.D. ØD1		L1	L2	H1	H2	H3	B1	B2xH4	Screw DxL
	mm	nominal bore pipe								
CFP 08	48,3	1.1/2"	100 (3.94")	76 (2.99")	95 (3.74")	67 (2.64")	5 (.20")	20x3 (.78"x.12")	50x38 (1.97"x1.50")	M10x40
CFP 09	60,3	2"	115 (4.53")	88 (3.46")	106 (4.17")	73,2 (2.88")	5 (.20")	20x3 (.78"x.12")	50x38 (1.97"x1.50")	
CFP 10	76,1	2.1/2"	132 (5.20")	104 (4.09")	122 (4.80")	81 (3.19")	5 (.20")	20x3 (.78"x.12")	50x38 (1.97"x1.50")	
CFP 11	88,9	3"	160 (6.30")	122 (4.80")	146 (5.75")	97,5 (3.84")	8 (.31")	40x4 (1.57"x.16")	80x45 (3.15"x1.77")	M12x55
CFP 12	102	3.1/2"	170 (6.69")	134 (5.27")	159 (6.26")	104 (4.09")	8 (.31")	40x4 (1.57"x.16")	80x45 (3.15"x1.77")	
CFP 13	114,3	4"	180 (7.08")	147 (5.79")	171 (6.73")	110 (4.33")	8 (.31")	40x4 (1.57"x.16")	80x45 (3.15"x1.77")	
CFP 14	139,7	5"	210 (8.27")	172 (6.77")	197 (7.76")	123 (4.84")	8 (.31")	40x4 (1.57"x.16")	80x45 (3.15"x1.77")	M16x75
CFP 15	168	6"	275 (10.83")	211 (8.31")	230 (9.06")	137 (5.39")	8 (.31")	40x6 (1.57"x.24")	80x45 (3.15"x1.77")	
CFP 16	219	8"	320 (12.60")	261 (1.28")	280 (11.02")	162,5 (6.40")	8 (.31")	40x6 (1.57"x.24")	80x45 (3.15"x1.77")	
CFP 17	273	10"	385 (15.16")	330 (12.99")	334 (13.15")	189,5 (7.46")	8 (.31")	40x8 (1.57"x.31")	80x45 (3.15"x1.77")	M20x80
CFP 18	324	12"	450 (17.72")	382 (15.04")	390 (15.35")	215 (8.46")	8 (.31")	40x8 (1.57"x.31")	80x45 (3.15"x1.77")	
CFP 19	356	14"	480 (18.90")	420 (16.54")	421 (16.57")	235 (9.25")	12 (.47")	60x8 (2.36"x.31")	100x50 (3.94"x1.97")	
CFP 20	406,4	16"	550 (21.65")	470 (18.50")	472 (18.58")	261 (10.28")	12 (.47")	60x8 (2.36"x.31")	100x50 (3.94"x1.97")	M24x100
CFP 21	457,2	18"	585 (23.03")	520 (20.47")	523 (20.59")	286,5 (11.28")	12 (.47")	60x8 (2.36"x.31")	100x50 (3.94"x1.97")	
CFP 22	508	20"	630 (24.80")	570 (22.44")	574 (22.60")	312 (12.28")	12 (.47")	60x8 (2.36"x.31")	100x50 (3.94"x1.97")	





PIPE CLAMPS **METAL DIN SERIES**

PIPE CLAMPS
METAL DIN SERIES

139

CLAMP BODY STANDARD MATERIALS



Carbon Steel S 235 JR
Code G



Galvanized Hexavalent Chromium-free Steel S 235 JR
Code Z



Stainless Steel AISI 304
Code A2



Stainless Steel AISI 316L
Code A4

DIFFERENT DAMETERS AVAILABLE ON REQUEST.

For Material Characteristics, see Technical Appendix (page 147).

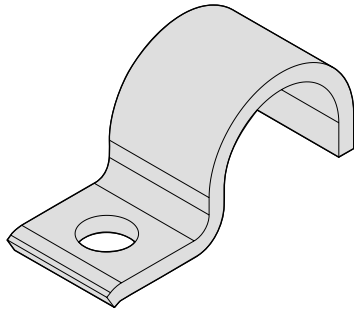




DIN 1592

HEAVY SADDLE

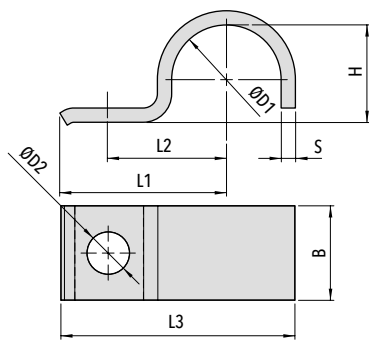
PIPE CLAMPS
METAL DIN SERIES



Code ØD1	Diameter Range	ØD2	L1	L2	L3	H	B	S
7	5,5-7 (.22"- .28")	6,6 (.26")	22 (.87")	14 (.55")	27,5 (1.08")	5 (.20")	16 (.63")	2 (.08")
9	7-9 (.28"- .35")	6,6 (.26")	27 (1.06")	18 (.71")	33,5 (1.32")	6 (.24")	20 (.79")	2 (.08")
13	9,5-13 (.39"- .51")	11 (.43")	40 (1.57")	25 (.98")	49,5 (1.95")	9 (.35")	25 (.98")	3 (.12")
15,5	13-15,5 (.51"- .61")	11 (.43")	41 (1.61")	26 (1.02")	52 (2.05")	12 (.47")	25 (.98")	3 (.12")
19	15,5-19 (.61"- .75")	11 (.43")	43 (1.69")	28 (1.10")	55,5 (2.19")	15 (.59")	25 (.98")	3 (.12")
23	20-23 (.79"- .91")	14 (.55")	51 (2.01")	35 (1.38")	67 (2.64")	19 (.75")	30 (1.18")	5 (.20")
26	23-26 (.91"- 1.02")	14 (.55")	52 (2.05")	36 (1.42")	70 (2.76")	22 (.87")	30 (1.18")	5 (.20")
28,5	26-28,5 (1.02"- 1.12")	14 (.55")	53 (2.09")	37 (1.46")	73 (2.87")	24 (.94")	30 (1.18")	5 (.20")
31	28,5-31 (1.12"- 1.22")	14 (.55")	55 (2.17")	39 (1.54")	75,5 (2.97")	27 (1.06")	30 (1.18")	5 (.20")
36	33-36 (1.30"- 1.42")	14 (.55")	57 (2.24")	41 (1.61")	81 (3.19")	32 (1.26")	40 (1.57")	5 (.20")
39	36-39 (1.42"- 1.54")	14 (.55")	59 (2.32")	43 (1.69")	83,5 (3.29")	34 (1.34")	40 (1.57")	5 (.20")
43	39-43 (1.54"- 1.69")	14 (.71")	68 (2.68")	48 (1.89")	94,5 (3.72")	38 (1.50")	40 (1.57")	5 (.20")
46	43-46 (1.69"- 1.81")	18 (.71")	70 (2.76")	50 (1.97")	98 (3.86")	41 (1.61")	40 (1.57")	5 (.20")
49	46-49 (1.81"- 1.93")	18 (.71")	73 (2.87")	53 (2.09")	105,5 (4.15")	44 (1.73")	40 (1.57")	8 (.31")
52	49-52 (1.93"- 2.05")	18 (.71")	76 (2.99")	56 (2.20")	110 (4.33")	47 (1.85")	40 (1.57")	8 (.31")
58	53-58 (2.09"- 2.28")	18 (.71")	76 (3.07")	58 (2.28")	115 (4.53")	52 (2.05")	40 (1.57")	8 (.31")
61	58-61 (2.28"- 2.40")	18 (.71")	80 (3.15")	60 (2.36")	118,5 (4.67")	57 (2.24")	40 (1.57")	8 (.31")

140

Code DIN 1592 (Material G - Z - A2 - A4)

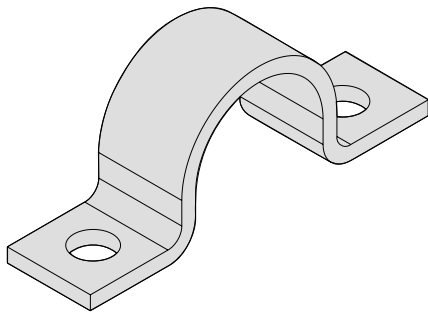


ORDER EXAMPLE
DIN 1592 - 36 - Z



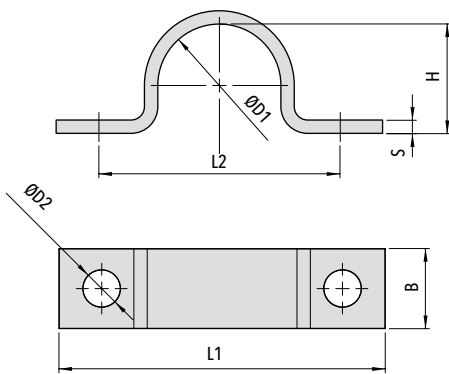
DIN 1593

HEAVY SADDLE



Code DIN 1593 (Material G - Z - A2 - A4)

Code ØD1	Diameter Range	ØD2	L1	L2	H	B	S
7	5,5-7 (.22"- .28")	6,6 (.26")	44 (1.73")	28 (1.10")	5 (.20")	16 (.63")	2 (.08")
9	7-9 (.28"- .35")	6,6 (.26")	48 (1.89")	32 (1.26")	6 (.24")	20 (.79")	2 (.08")
13	9,5-13 (.39"- .51")	6,6 (.26")	52 (2.05")	36 (1.42")	9 (.35")	20 (.79")	2 (.08")
15,5	13-15,5 (.51"- .61")	6,6 (.26")	56 (2.20")	40 (1.57")	12 (.47")	20 (.79")	2 (.08")
19	15,5-19 (.61"- .75")	6,6 (.26")	60 (2.36")	44 (1.73")	15 (.59")	20 (.79")	2 (.08")
23	20-23 (.79"- .91")	11 (.43")	82 (3.23")	56 (2.20")	19 (.75")	25 (.98")	3 (.12")
26	23-26 (.91"- 1.02")	11 (.43")	84 (3.31")	58 (2.28")	22 (.87")	25 (.98")	3 (.12")
28,5	26-28,5 (1.02"- 1.12")	11 (.43")	90 (3.54")	64 (2.52")	24 (.94")	25 (.98")	3 (.12")
31	28,5-31 (1.12"- 1.22")	11 (.43")	90 (3.54")	64 (2.52")	27 (1.06")	25 (.98")	3 (.12")
36	33-36 (1.30"- 1.42")	11 (.43")	106 (4.17")	80 (3.15")	32 (1.26")	30 (1.18")	5 (.20")
39	36-39 (1.42"- 1.54")	11 (.43")	110 (4.33")	84 (3.31")	34 (1.34")	30 (1.18")	5 (.20")
43	39-43 (1.54"- 1.69")	14 (.55")	120 (4.72")	88 (3.46")	38 (1.50")	30 (1.18")	5 (.20")
46	43-46 (1.69"- 1.81")	14 (.55")	122 (4.80")	90 (3.54")	41 (1.61")	30 (1.18")	5 (.20")
49	46-49 (1.81"- 1.93")	14 (.55")	122 (4.80")	90 (3.54")	44 (1.73")	30 (1.18")	5 (.20")
58	53-58 (2.09"- 2.28")	14 (.55")	142 (5.59")	110 (4.33")	52 (2.05")	40 (1.57")	5 (.20")
61	58-61 (2.28"- 2.40")	14 (.55")	142 (5.59")	110 (4.33")	57 (2.24")	40 (1.57")	5 (.20")
71	67-71 (2.64"- 2.80")	14 (.55")	152 (5.98")	120 (4.72")	66 (2.60")	40 (1.57")	5 (.20")
77	73-77 (2.87"- 3.03")	14 (.55")	176 (6.93")	136 (5.35")	72 (2.83")	40 (1.57")	5 (.20")
81	77-81 (3.03"- 3.19")	18 (.71")	184 (7.24")	144 (5.67")	76 (2.99")	40 (1.57")	5 (.20")
91	86-91 (3.39"- 3.58")	18 (.71")	198 (7.80")	158 (6.22")	85 (3.35")	40 (1.57")	8 (.31")
103	99-103 (3.90"- 4.06")	18 (.71")	214 (8.43")	174 (6.85")	98 (3.86")	40 (1.57")	8 (.31")
109	105-109 (4.13"- 4.29")	18 (.71")	220 (8.66")	180 (7.09")	104 (4.09")	40 (1.57")	8 (.31")
115	110-115 (4.33"- 4.53")	18 (.71")	226 (8.90")	186 (7.32")	109 (4.29")	40 (1.57")	8 (.31")



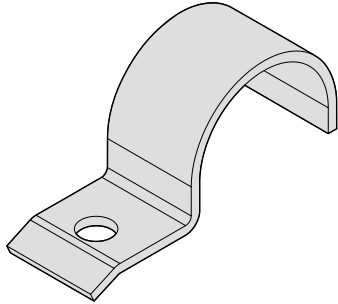
ORDER EXAMPLE

DIN 1593 - 26 - G



DIN 1596

LIGHT SADDLE

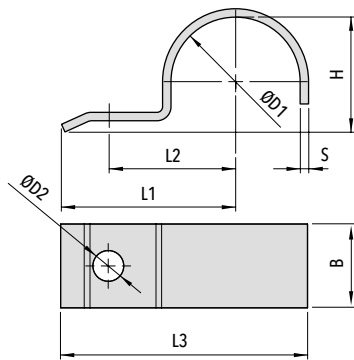


Code ØD1	Diameter Range	ØD2	L1	L2	L3	H	B	S
7	5,5-7 (.22"- .28")	6,6 (.26")	26 (1.02")	14 (.55")	31,5 (1.24")	5 (.20")	16 (.63")	2 (.08")
9	7-9 (.28"- .35")	6,6 (.26")	28 (1.10")	16 (.63")	34,5 (1.36")	6 (.24")	16 (.63")	2 (.08")
13	9,5-13 (.39"- .51")	6,6 (.26")	30 (1.18")	18 (.71")	38,5 (1.52")	9 (.35")	20 (.79")	2 (.08")
15,5	13-15,5 (.51"- .61")	6,6 (.26")	32 (1.26")	20 (.79")	41,75 (1.64")	12 (.47")	20 (.79")	2 (.08")
19	15,5-19 (.61"- .75")	6,6 (.26")	34 (1.34")	22 (.87")	45,5 (1.79")	15 (.59")	20 (.79")	2 (.08")
23	20-23 (.79"- .91")	9 (.35")	43 (1.69")	28 (1.10")	57,5 (2.26")	19 (.75")	25 (.98")	3 (.12")
26	23-26 (.91"- 1.02")	9 (.35")	44 (1.73")	29 (1.14")	60 (2.36")	22 (.87")	25 (.98")	3 (.12")
28,5	26-28,5 (1.02"- 1.12")	9 (.35")	47 (1.85")	32 (1.26")	64,25 (2.53")	24 (.94")	25 (.98")	3 (.12")
31	28,5-31 (1.12"- 1.22")	9 (.35")	47 (1.85")	32 (1.26")	65,5 (2.58")	27 (1.06")	25 (.98")	3 (.12")
33	31-33 (1.22"- 1.30")	9 (.35")	56 (2.20")	36 (1.42")	75,5 (2.97")	29 (1.14")	25 (.98")	3 (.12")
36	33-36 (1.30"- 1.42")	11 (.43")	57 (2.24")	40 (1.57")	78 (3.07")	32 (1.26")	30 (1.18")	3 (.12")
39	36-39 (1.42"- 1.54")	11 (.43")	59 (2.32")	42 (1.65")	81,5 (3.21")	34 (1.34")	30 (1.18")	3 (.12")
43	39-43 (1.54"- 1.69")	11 (.43")	61 (2.40")	44 (1.73")	85,5 (3.37")	38 (1.50")	30 (1.18")	3 (.12")
46	43-46 (1.69"- 1.81")	11 (.43")	62 (2.44")	45 (1.77")	88 (3.46")	41 (1.61")	30 (1.18")	3 (.12")
49	46-49 (1.81"- 1.93")	14 (.55")	67 (2.64")	48 (1.89")	95,5 (3.76")	44 (1.73")	40 (1.57")	4 (.16")
52	49-52 (1.93"- 2.05")	14 (.55")	72 (2.83")	53 (2.09")	102 (4.02")	47 (1.85")	40 (1.57")	4 (.16")
58	53-58 (2.09"- 2.28")	14 (.55")	74 (2.99")	55 (2.17")	107 (4.21")	52 (2.05")	40 (1.57")	4 (.16")
61	58-61 (2.28"- 2.40")	14 (.55")	77 (3.03")	58 (2.28")	111,5 (4.39")	56 (2.20")	40 (1.57")	4 (.16")

PIPE CLAMPS
METAL DIN SERIES

142

Code DIN 1596 (Material G - Z - A2 - A4)

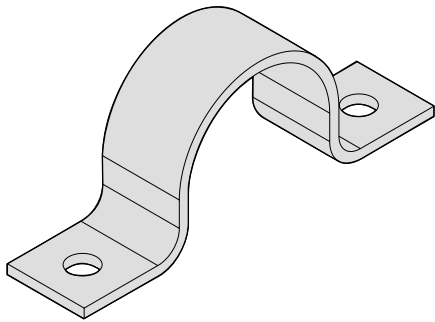


ORDER EXAMPLE
DIN 1596 - 28,5 - A2

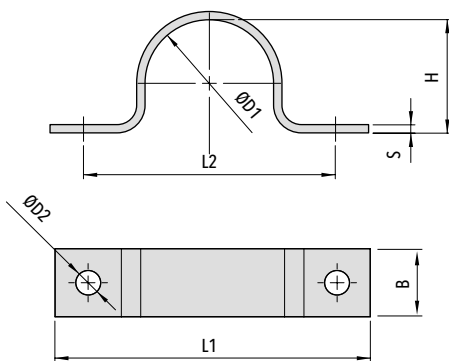


DIN 1597

LIGHT SADDLE



Code DIN 1597 (Material G - Z - A2 - A4)



Code ØD1	Diameter Range	ØD2	L1	L2	H	B	S
7	5,5-7 (.22"- .28")	5,5 (.22")	44 (1.73")	28 (1.10")	5 (.20")	16 (.63")	1,5 (.06")
9	7-9 (.28"- .35")	5,5 (.22")	48 (1.89")	32 (1.26")	6 (.24")	16 (.63")	1,5 (.06")
13	9,5-13 (.39"- .51")	5,5 (.22")	52 (2.05")	36 (1.42")	9 (.35")	16 (.63")	1,5 (.06")
15,5	13-15,5 (.51"- .61")	5,5 (.22")	56 (2.20")	40 (1.57")	12 (.47")	16 (.63")	1,5 (.06")
19	15,5-19 (.61"- .75")	5,5 (.22")	60 (2.36")	44 (1.73")	15 (.59")	16 (.63")	1,5 (.06")
23	20-23 (.79"- .91")	6,6 (.26")	76 (2.99")	56 (2.20")	19 (.75")	20 (.79")	2 (.08")
26	23-26 (.91"- 1.02")	6,6 (.26")	78 (3.07")	58 (2.28")	22 (.87")	20 (.79")	2 (.08")
28,5	26-28,5 (1.02"- 1.12")	6,6 (.26")	84 (3.31")	64 (2.52")	24 (.94")	20 (.79")	2 (.08")
31	28,5-31 (1.12"- 1.22")	6,6 (.26")	84 (3.31")	64 (2.52")	27 (1.06")	20 (.79")	2 (.08")
33	31-33 (1.22"- 1.30")	6,6 (.26")	92 (3.62")	72 (2.83")	29 (1.14")	20 (.79")	2 (.08")
36	33-36 (1.30"- 1.42")	9 (.35")	104 (4.09")	80 (3.15")	32 (1.26")	25 (.98")	3 (.12")
39	36-39 (1.42"- 1.54")	9 (.35")	108 (4.25")	84 (3.31")	34 (1.34")	25 (.98")	3 (.12")
43	39-43 (1.54"- 1.69")	9 (.35")	112 (4.41")	88 (3.46")	38 (1.50")	25 (.98")	3 (.12")
46	43-46 (1.69"- 1.81")	9 (.35")	114 (4.49")	90 (3.54")	41 (1.61")	25 (.98")	3 (.12")
49	46-49 (1.81"- 1.93")	11 (.43")	118 (4.65")	90 (3.54")	44 (1.73")	30 (1.18")	3 (.12")
52	49-52 (1.93"- 2.05")	11 (.43")	134 (5.28")	106 (4.17")	47 (1.85")	30 (1.18")	3 (.12")
58	53-58 (2.09"- 2.28")	11 (.43")	138 (5.43")	110 (4.33")	52 (2.05")	30 (1.18")	3 (.12")
61	58-61 (2.28"- 2.40")	11 (.43")	138 (5.43")	110 (4.33")	56 (2.20")	30 (1.18")	3 (.12")

ORDER EXAMPLE

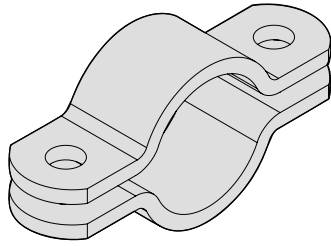
DIN 1597 - 15,5 - A4



DIN 3567-A

METAL PIPE CLAMP

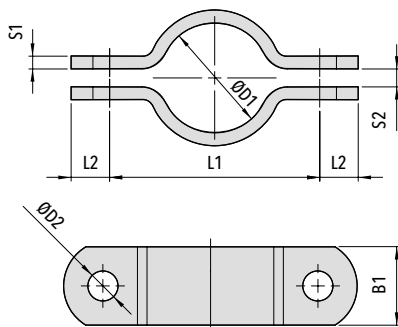
(TWO CLAMP HALVES)



TYPE 20 TO 521

Code ØD1	Outside Diameter		L1	L2	S1	S2	ØD2	B1	Bolt + Nut
	mm	in							
20	15	1/2"	57 (2.24")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	M10x30 (3/8-16 UNCx1-1/4") M10 (3/8-16 UNC)
22	15	1/2"	59 (2.32")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
25	20	3/4"	62 (2.44")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
27	20	3/4"	66 (2.60")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
30	25	1"	68 (2.68")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
34	25	1"	72 (2.83")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
38	32	1.1/4"	76 (2.99")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
43	32	1.1/4"	82 (3.23")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
45	40	1.1/2"	84 (3.31")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
49	40	1.1/2"	88 (3.46")	15 (.59")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
57	50	2"	104 (4.09")	18 (.71")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	M12x35 (7/16-14 UNCx1-3/8") M12 (7/16-14 UNC)
61	50	2"	108 (4.25")	18 (.71")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
77	65	2.1/2"	122 (4.80")	18 (.71")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
89	80	3"	136 (5.35")	18 (.71")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
108	100	4"	172 (6.77")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
115	100	4"	178 (7.01")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
133	125	5"	196 (7.72")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	M16x45 (5/8-11 UNCx1-3/4") M16 (5/8-11 UNC)
140	125	5"	204 (8.03")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
159	150	6"	222 (8.74")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
169	150	6"	232 (9.13")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
194	175	7"	258 (10.16")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
216	200	8"	280 (11.02")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
220	200	8"	284 (11.18")	24 (.94")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
267	250	10"	342 (13.46")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
273	250	10"	348 (13.70")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
318	300	12"	392 (15.43")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
324	300	12"	398 (15.67")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
356	350	14"	432 (17")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
368	350	14"	444 (17.48")	30 (1.18")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
407	400	16"	498 (19.61")	36 (1.42")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
419	400	16"	510 (10.08")	36 (1.42")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
458	450	18"	550 (21.65")	36 (1.42")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	M24x60 (7/8-9 UNCx2-3/8") M24 (7/8-9 UNC)
508	500	20"	600 (23.62")	36 (1.42")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
521	500	20"	614 (24.17")	36 (1.42")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	

Code DIN 3567-A (Material G - Z - A2 - A4)



ORDER EXAMPLE

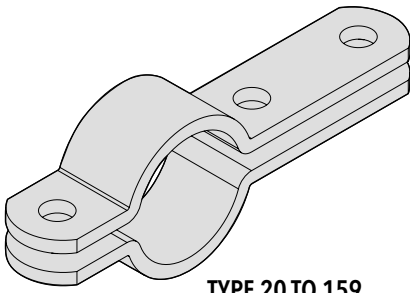
DIN 3567-A - 61 - G



DIN 3567-B

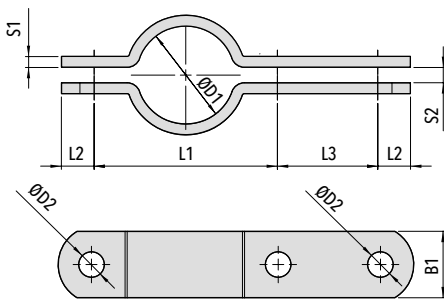
METAL PIPE CLAMP

(TWO CLAMP HALVES)



TYPE 20 TO 159

Code DIN 3567-B (Material G - Z - A2 - A4)



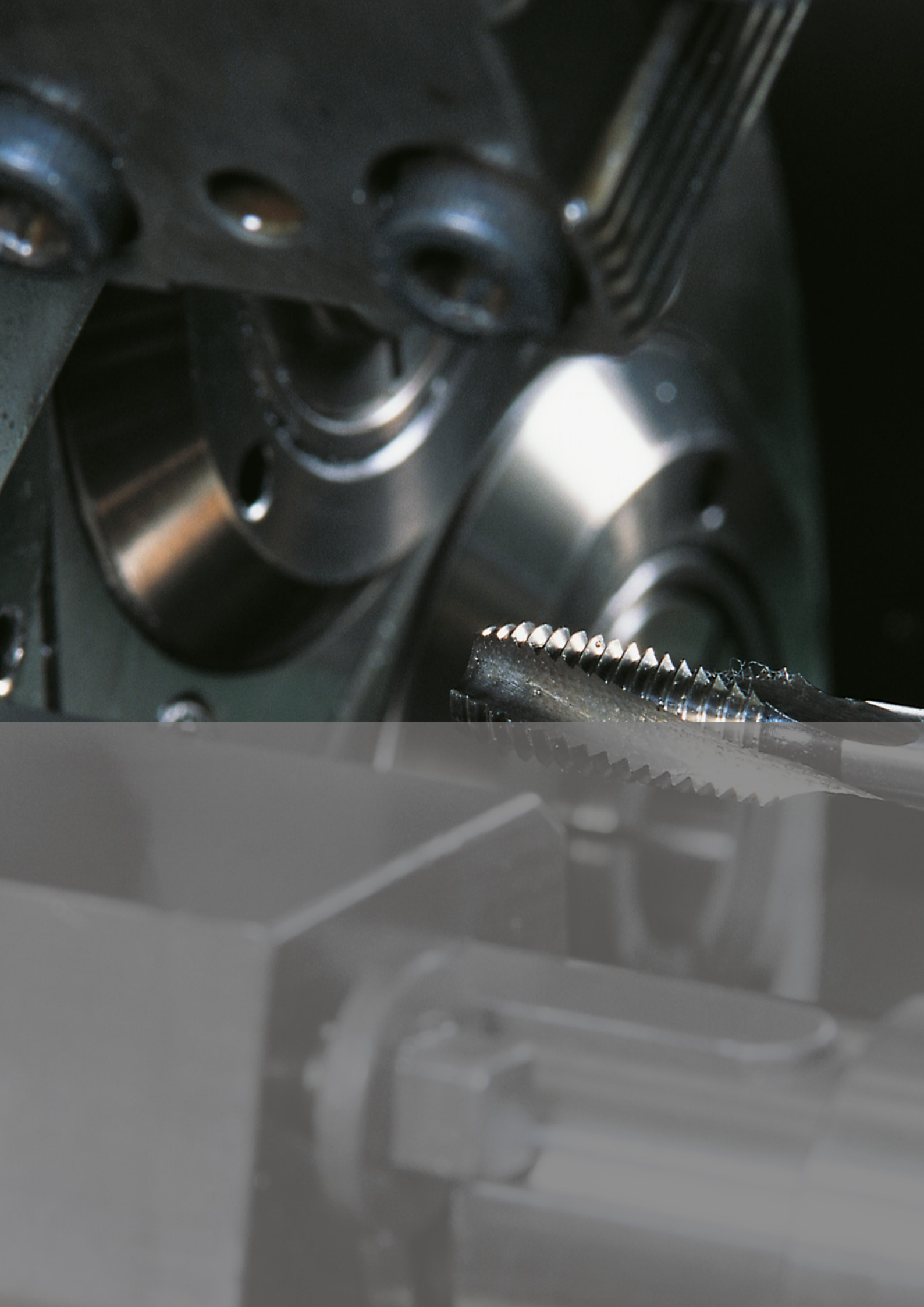
Code ØD1	Outside Diameter		L1	L2	L3	S1	S2	ØD2	B1	Bolt + Nut
	mm	in								
20	15	1/2"	57 (2.24")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	M10x30 (3/8-16 UNCx1-1/4") M10 (3/8-16 UNC)
22	15	1/2"	59 (2.32")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
25	20	3/4"	62 (2.44")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
27	20	3/4"	66 (2.60")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
30	25	1"	68 (2.68")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
34	25	1"	72 (2.83")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
38	32	1.1/4"	76 (2.99")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
43	32	1.1/4"	82 (3.23")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
45	40	1.1/2"	84 (3.31")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
49	40	1.1/2"	88 (3.46")	15 (.59")	46 (1.81")	5 (.20")	7 (.28")	11,5 (.45")	30 (1.18")	
57	50	2"	104 (4.09")	18 (.71")	54 (2.13")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	M12x35 (7/16-14 UNCx1-3/8") M12 (7/16-14 UNC)
61	50	2"	108 (4.25")	18 (.71")	54 (2.13")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
77	65	2.1/2"	122 (4.80")	18 (.71")	54 (2.13")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
89	80	3"	136 (5.35")	18 (.71")	54 (2.13")	6 (.24")	9 (.35")	14 (.55")	40 (1.57")	
108	100	4"	172 (6.77")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
115	100	4"	178 (7.01")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	M16x45 (5/8-11 UNCx1-3/4") M16 (5/8-11 UNC)
133	125	5"	196 (7.72")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
140	125	5"	204 (8.03")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
159	150	6"	222 (8.74")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
169	150	6"	232 (9.13")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
194	175	7"	258 (10.16")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
216	200	8"	280 (11.02")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	
220	200	8"	284 (11.18")	24 (.94")	70 (2.76")	8 (.31")	11 (.43")	18 (.71")	50 (1.97")	M20x50 (3/4-10 UNCx2") M20 (3/4-10 UNC)
267	250	10"	342 (13.46")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
273	250	10"	348 (13.70")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
318	300	12"	392 (15.43")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
324	300	12"	398 (15.67")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
356	350	14"	432 (17")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	
368	350	14"	444 (17.48")	30 (1.18")	86 (3.39")	8 (.31")	14 (.55")	23 (.91")	60 (2.36")	M24x60 (7/8-9 UNCx2-3/8") M24 (7/8-9 UNC)
407	400	16"	498 (19.61")	36 (1.42")	104 (4.09")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
419	400	16"	510 (10.08")	36 (1.42")	104 (4.09")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
458	450	18"	550 (21.65")	36 (1.42")	104 (4.09")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
508	500	20"	600 (23.62")	36 (1.42")	104 (4.09")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	
521	500	20"	614 (24.17")	36 (1.42")	104 (4.09")	10 (.39")	18 (.71")	27 (1.06")	70 (2.76")	

PIPE CLAMPS
METAL DIN SERIES

145

ORDER EXAMPLE

DIN 3567-B - 30 - Z



TECHNICAL APPENDIX

MATERIAL CHARACTERISTICS

page 148

DIMENSIONS OF CLAMP ASSEMBLIES

page 150

RECOMMENDED DISTANCE BETWEEN CLAMPS

page 152

CLAMPS INSTALLATION IN CASE OF BEND PIPE

page 152

PROPERTY CLASSES FOR BOLTS AND SCREWS

page 152

TIGHTENING TORQUES AND MAXIMUM LOADS IN PIPE DIRECTION

page 153

CERTIFICATIONS

page 154



MATERIAL CHARACTERISTICS



Material Code	PP	PA	PA6	AU	GM	AL	GM
Basic Material	POLYPROPYLENE Copolymeric	POLYAMIDE	POLYAMIDE	POLYPROPYLENE Self-extinguishing	RUBBER Elastomer	ALUMINIUM	RUBBER Elastomer
Colour	BLUE	BLACK	BLACK	WHITE	BLACK	NATURAL	BLACK

Other colours and materials available on demand.

MECHANICAL CHARACTERISTICS

Tensile Modulus	1.30 GPa ISO 527-2	8.500 MPa ISO 527-2	3.100 MPa ISO 527-2	3.300 MPa ASTM D638	--	--	--
Notched Izod impact strenght 23°	--	9.0 KJ/m ² ISO 180/A	5.0 KJ/m ² ISO 180	--	--	--	--
Elongation at Yield	6% ISO 527-2	3.3% ISO 527	50% ISO 527-2	15% ASTM D638	600% ISO 37	1% ISO 527	600% ISO 37
Tensile Strength, Yield	25.0 MPa ISO 527-2	150 MPa ISO 527	85 MPa ISO 527-2	30 MPa ASTM D638	9 MPa ISO 527	150 MPa ISO 527	9 MPa ISO 527
Charpy impact, Notched	1.30J/cm ² ISO 179	10 J/m ² ISO 179	-30°C 3 KJ/m ² ISO 179/1EA +23°C 4 KJ/m ² ISO 179/1EA	30 J/m ASTM D256	--	--	--
Shore hardness	85 ISO 2039-2	--	120 ISO2039-2	--	80 A ISO 868	--	80 A ISO 868

THERMAL CHARACTERISTICS

Flammability Rating	--	V0 UL 94	V2 UL 94	V0 1.6mm UL 94	HB UL94	--	HB UL94
Preventive fire protection	--	EN 45545-2	--	--	--	--	--
HDT Deflection temperature under load 1,82N/mm ²	--	245°C ISO 75	--	70° ASTM D648	--	--	--
Deflection Temperature at 0,46 MPa (66psi)	92.0°C ISO 75-2	255°C ISO 75	180°C ISO 75-2/B	--	--	--	--
Deflection Temperature at 1.8 Mpa (264 psi)	50°C ISO 75-2	245°C ISO 75	70°C ISO 75-2/A	--	--	--	--
Softening temperature VICAT 49N	--	--	205°C ISO 306	90° ASTM D1525	--	--	--
UV Resistance	NO*	NO	NO	NO	NO	NO	NO
Recommended Min/Max temperature	-30°C +90°C IEC 216	-40°C +140°C IEC 216	-30°C +85°C IEC 216	-30°C +90°C IEC 216	-40°C +90°C IEC 216	up to +300° C IEC 216	-40°C +90°C IEC 216

ELECTRICAL CHARACTERISTICS

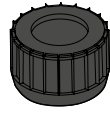
Dielectric strenght 2 mm	--	21 KV/mm IEC 60243	--	24 KV/mm ASTM D149	--	--	--
CTI Comparative Tracking Index 3,2 mm SOL, A	--	600 V IEC 60112	600 V IEC 60112	>600 V IEC 112	--	--	--
Volume Resistivity 23°	--	10*13 Ohm/m IEC 60093	10*15 Ohm/cm IEC 93	--	--	--	--

CHEMICAL CHARACTERISTICS

Weak acids - Alkaline solution	Limited resistance	Good resistance	Limited resistance	Good resistance	Good resistance	--	Good resistance
Benzine - Mineral oils	Good resistance	Good resistance	Good resistance	Limited resistance	Limited resistance	--	Limited resistance
Alcohol - Other oils - Sea water	Good resistance	Good resistance	Good resistance	Good resistance	Good resistance	--	Good resistance

* Increased UV protection is available on demand.

MATERIAL CHARACTERISTICS



RUBBER CAP C
FOR RAIL NUT DF



RUBBER RING AG
FOR RAIL NUT DF

Material Code	NBR
Basic Material	RUBBER
Colour	BLACK

MECHANICAL CHARACTERISTICS

Hardness shore	70 A (ASTM D 2240)
Density	g/cm ³ 1.25 (ASTM D 792)
Tensile strenght	MPa 14.3 (ASTM D 412 C)
Elongation at break	% 390 (ASTM D 412 C)
Tear strenght	N/mm 49 (ASTM D 624 B)

THERMAL CHARACTERISTICS

Operating temperature range	-30°C to +120°C
-----------------------------	-----------------

COMPONENTS AND ACCESSORIES MATERIALS

STEELS

Plates: non-alloy steel for structural applications S 235 JR (235JR) and S 275 JR (275JR).

Accessories: S 235 JR (for high hexagon head bolts VA and bushing B), Carbon Steel C20 (nut for fixing clamps to the rail) and steel sheets for deep drawing DX 51D (standard series rail).

STAINLESS STEEL

Metal parts: Stainless Steel 316L (X2CrNiMo17-12-2) 1.4404.

U-Bolts: Stainless Steel 304L with good corosion resistance and Stainless Steel 316L (stainless marine) with excellent resistance to corrosion.

SURFACE PROTECTION

Components and accessories: all our parts and metal accessories are treated with advanced surface treatments.

Sendzimir method: this process consists of immersing products in a bath of molten zinc (used to rail the Standard series) for zinc-plating protection;

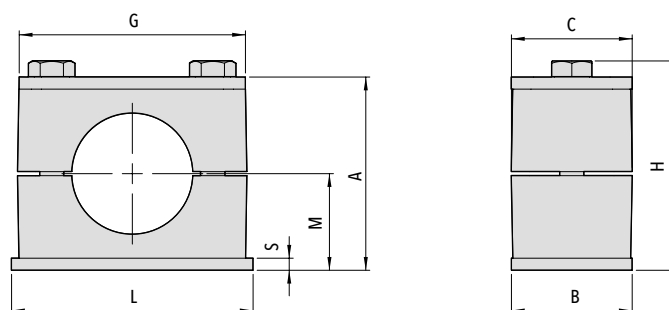
Crapal: consists of a steel wire, coated with an alloy of 95% of zinc and 5% of aluminum, dull gray color and excellent corrosion resistance (used for U-bolts);

White Zinc plating Fe Zn c8 II: used for all other metal products.

All protection surfaces are according to the RoHS directive.

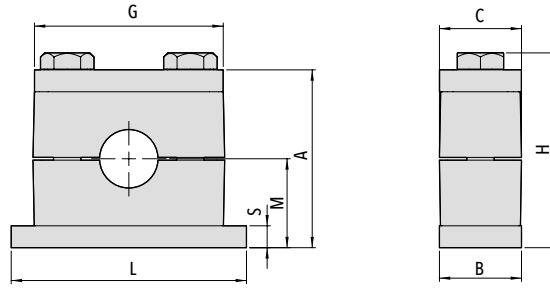
DIMENSIONS OF CLAMP ASSEMBLIES

VALUES APPLY TO ALL TYPES OF MATERIAL (PP - PA - AU - GM)



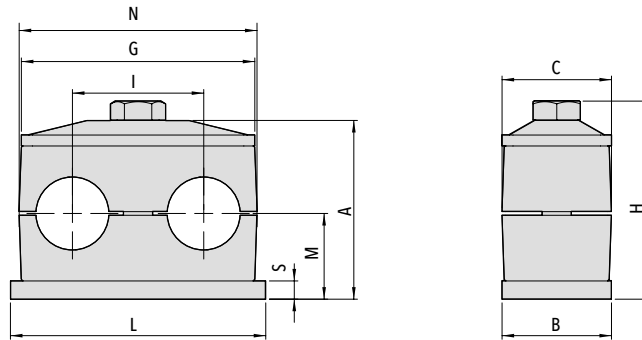
150

Code	STANDARD SERIES (DIN 3015, Part 1) - mm (in)										
	A		B	C	G	H		L	M		S
	Knurled	Smooth				Knurled	Smooth		Knurled	Smooth	
C1	33 (1.30")	32 (1.26")	30 (1.18")	30 (1.18")	27,5 (1.08")	37 (1.46")	36 (1.42")	31,5 (1.24")	16,5 (.65")	16 (.63")	3 (.12")
C2	33 (1.30")	32 (1.26")	30 (1.18")	30 (1.18")	34,5 (1.36")	37 (1.46")	36 (1.42")	36 (1.41")	16,5 (.65")	16 (.63")	3 (.12")
C3	39 (1.54")	38 (1.50")	30 (1.18")	30 (1.18")	40,5 (1.59")	43 (1.69")	42 (1.65")	42 (1.65")	19,5 (.77")	19 (.75")	3 (.12")
C4	42 (1.65")	41,2 (1.62")	30 (1.18")	30 (1.18")	48 (1.88")	46 (1.81")	45,2 (1.78")	50 (1.96")	21 (.83")	20,6 (.81")	3 (.12")
C5	48 (1.89")	47 (1.85")	30 (1.18")	30 (1.18")	56,5 (2.22")	52 (2.05")	51 (2.01")	60 (2.36")	24 (.94")	23,5 (.93")	3 (.12")
C6	64 (2.52")	62,6 (2.46")	30 (1.18")	30 (1.18")	69,5 (2.74")	68 (2.68")	66,6 (2.62")	71 (2.79")	32 (1.26")	31,3 (1.23")	3 (.12")
C7	72 (2.83")	70,6 (2.78")	30 (1.18")	30 (1.18")	85,5 (3.37")	76 (2.99")	74,6 (2.94")	88 (3.46")	36 (1.42")	35,3 (1.39")	3 (.12")
C8	103 (4.06")	101 (3.98")	30 (1.18")	30 (1.18")	118 (4.65")	107 (4.21")	105 (4.13")	122 (4.81")	51,5 (2.03")	50,5 (1.99")	5 (.20")
C9	128 (5.04")	125 (4.92")	30 (1.18")	30 (1.18")	144 (5.67")	132 (5.20")	129 (5.08")	148 (5.83")	64 (2.52")	62,5 (2.46")	5 (.20")



HEAVY SERIES (DIN 3015, Part 2) - mm (in)

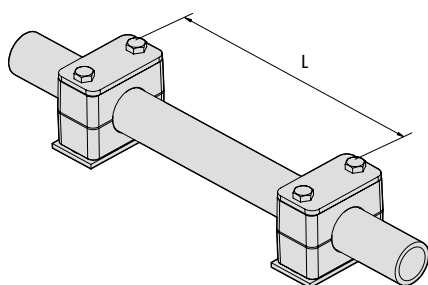
Code	A		B	C	G	H		L	M		S
	Knurled	Smooth				Knurled	Smooth		Knurled	Smooth	
CP1 ALCP1	49 (1.93")	48 (1.89")	30 (1.18")	30 (1.18")	56 (2.20")	55,4 (2.18")	54,4 (2.14")	74 (2.91")	24,5 (.96")	24 (.94")	8 (.31")
CP2 ALCP2	65 (2.56")	64 (2.52")	30 (1.18")	30 (1.18")	70 (2.76")	71,4 (2.81")	70,4 (2.77")	86 (3.39")	32,5 (1.28")	32 (1.26")	8 (.31")
CP3 ALCP3	76 (2.99")	74,8 (2.94")	30 (1.18")	30 (1.18")	85 (3.35")	82,4 (3.24")	81,2 (3.20")	100 (3.94")	38 (1.50")	37,4 (1.47")	8 (.31")
CP4 ALCP4	108 (4.25")	106 (4.17")	45 (1.77")	45 (1.77")	115 (4.53")	115,5 (4.55")	113,5 (4.47")	140 (5.51")	54 (2.13")	53 (2.09")	10 (.39")
CP5 ALCP5	138 (5.43")		60 (2.36")	60 (2.36")	152 (5.98")	148 (5.83")		180 (7.09")	69 (2.72")		10 (.39")
CP6 ALCP6	195 (7.68")		80 (3.15")	80 (3.15")	205 (8.07")	207,5 (8.17")		226 (8.90")	97.5 (3.84")		15 (.59")
CP7 ALCP7	230 (9.06")		90 (3.54")	90 (3.54")	251 (9.88")	245 (9.65")		270 (10.63")	115 (4.53")		15 (.59")
CP8 ALCP8	320 (12.60")		120 (4.72")	120 (4.72")	320 (12.60")	339 (13.35")		340 (13.39")	160 (6.30")		25 (.98")
CP9 ALCP9	470 (18.50")		160 (6.30")	160 (6.30")	470 (18.50")	489 (19.25")		520 (20.47")	235 (9.25")		30 (1.18")
CP10 ALCP10	590 (23.23")		180 (7.09")	180 (7.09")	630 (24.80")	609 (23.98")		680 (26.77")	295 (11.61")		30 (1.18")



TWIN SERIES (DIN 3015, Part 3) - mm (in)

Code	A		B	C	G	H		I	L	M		N	S
	Knurled	Smooth				Knurled	Smooth			Knurled	Smooth		
CF1	37 (1.46")	36,4 (1.43")	30 (1.18")	30 (1.18")	34,5 (1.36")	41 (1.61")	40,4 (1.59")	20 (.79")	37 (1.46")	16,5 (.65")	16,2 (.64")	36 (1.42")	3 (.12")
CF2	39 (1.54")	38,2 (1.50")	30 (1.18")	30 (1.18")	52 (2.05")	44 (1.73")	43,2 (1.70")	29 (1.14")	55 (2.17")	18,5 (.73")	18,1 (.71")	53 (2.09")	5 (.20")
CF3	49 (1.93")	48 (1.89")	30 (1.18")	30 (1.18")	64 (2.52")	54 (2.13")	53 (2.09")	36 (1.42")	70 (2.76")	23,5 (.93")	23 (.91")	67 (2.64")	5 (.20")
CF4	54 (2.13")	53 (2.09")	30 (1.18")	30 (1.18")	79 (3.11")	59 (2.32")	58 (2.28")	45 (1.77")	85 (3.35")	26 (1.02")	25,5 (1.00")	81 (3.19")	5 (.20")
CF5	65 (2.56")	63,8 (2.51")	30 (1.18")	30 (1.18")	102,5 (4.04")	70 (2.76")	68,8 (2.71")	56 (2.20")	110 (4.33")	31,5 (1.24")	30,9 (1.22")	106 (4.17")	5 (.20")

RECOMMENDED DISTANCE BETWEEN CLAMPS



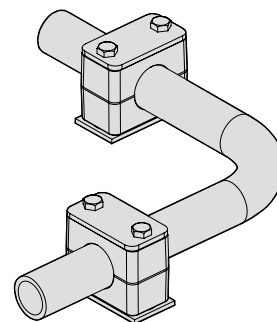
Pipe outside diameter (mm)	Distance L (m)	Pipe outside diameter (mm)	Distance L (m)
6,0 - 13,5	1,0	114,0 - 168,0	5,0
13,5 - 18	1,2	168,0 - 219,0	6,0
18 - 32	1,5	219,0 - 324,0	6,7
32 - 38	2,0	324,0 - 356,0	7,0
38 - 57,2	2,7	356,0 - 406,0	7,5
57,2 - 75	3,0	406,0 - 480,0	8,0
75 - 76,1	3,5	481,0 - 550,0	8,5
76,1 - 88,9	3,7	551,0 - 630,0	9,0
88,9 - 102,0	4,0	631,0 - 716,0	10,0
102,0 - 114,0	4,5	716,0 - 800,0	12,0

CLAMPS INSTALLATION IN CASE OF BEND PIPE

Bend pipes should be fixed by clamps immediately before and after the bend.

Moreover it is recommended to design these clamps as fixed point clamps.

Joints is recommended for applications with the use of clamps before and after the junction.



PROPERTY AND CLASSES FOR BOLTS AND SCREWS

ACCESSORIES	MATERIAL	FINISHING	CLASS
Socket cap screw	Steel	Zinc plated/Untreated	8.8
	Stainless Steel	---	A4-70
Hexagon head bolt	Steel	Zinc plated/Untreated	8.8
	Stainless Steel	---	A4-70
Safety washer	Steel	Zinc plated/Untreated	8
	Stainless Steel	---	A4-70
U-bolt nut	Steel	Zinc plated	8
	Stainless Steel	---	A4-70 A2-70
Flanged nut for U-bolts	Steel	Zinc plated	8
	Stainless Steel	---	---
Washer for U-bolts	Steel	Zinc plated	100 HV
	Stainless Steel	---	A4-70 A2-70
Nut bolt	Steel	Zinc plated	8

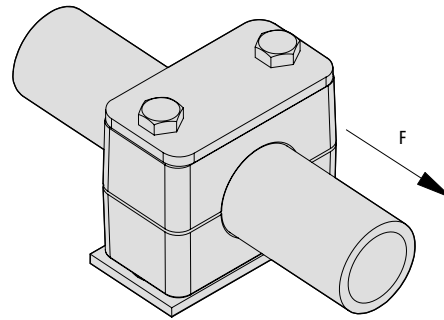
TIGHTENING TORQUES AND MAXIMUM LOADS IN PIPE DIRECTION

All tightening torques and maximum loads in pipe direction regard clamps with upper plates and hexagon head bolts according to EN ISO 4014/4017.

The value of the load F is an average value of tests performed with steel tube S 235 JR.

If the stress of the clamp in an axial direction of the pipe, the pipe slides into the clamp.

Sliding starts when F value is reached.



STANDARD SERIES

Code	Hexagon head bolt (EN ISO 4014/4017)	Polypropylene		Polyamide		Aluminium	
		Tightening torque (Nm)	Max load in pipe direction F (KN)	Tightening torque (Nm)	Max load in pipe direction F (KN)	Tightening torque (Nm)	Max load in pipe direction F (KN)
C1	M6	8	0,7	10	0,7	12	3,6
C2		8	1,2	10	0,9	12	4,3
C3		8	1,5	10	1	12	4,4
C4		8	1,7	10	1,8	12	4,8
C5		8	1,8	10	1,9	12	5,2
C6		8	2	10	2,1	12	7,5
C7		8	2,2	10	2,8	12	9
C8		8	2,3	10	2,5	---	---
C9		8	2,4	10	2,5	---	---

HEAVY SERIES

CP1	M10	13	1,8	21	4,5	32	13
CP2		13	3	21	4,7	32	16
CP3		15	3,5	25	5,2	37	16,5
CP4	M12	30	8,5	40	9,5	55	30,5
CP5	M16	46	11,5	56	27	125	36,5
CP6	M20	80	15	155	25	225	62,5
CP7	M24	110	30	200	34	250	71,7
CP8	M30	190	41	360	50	500	86,5
CP9		210	125	380	130	500	190,5
CP10		270	168	450	180	600	244,5

TWIN SERIES

CF1	M6	6	1,1	6	1,1		
CF2	M8	13	2,5	13	2,5		
CF3		13	2,1	13	2,1		
CF4		13	2,9	13	3,1		
CF5		9	2,2	9	2,7		



**RINA NAVAL
CERTIFICATION**

Certified for all naval and offshore applications.



**PREVENTIVE
FIRE PROTECTION
EN 45545-2**

Certified fire resistance for Polyamide Clamps required on railway vehicles or other applications (such as naval, offshore and transportation) demanding fire resistance specifications.

* Digital or hard copy of certifications can be provided on request.



FOR NEWS AND UPDATES

www.pieffeci.com

155

On the website you can receive the **latest news** and **updates** on Pi.Effe.Ci. products, browse the **latest version of the catalog**, and login to the **Reserved Area** dedicated to Customers to **request quotes** and **customized supplies**.

ARE YOU FLIPPING THROUGH THE HARD COPY CATALOG?

Access directly the **online content** you are interested in with your smartphone by using the **QR-Codes** at the beginning of each section!



The values contained in this catalogue have been collected most carefully,
but must be considered indicative only and not absolute.

The company refuse all responsibility pertaining to the products
with the exception of manufacturing defect.

We reserve the right to make supplements
or modifications without previous notice.

CA 35/A
Available **January 2021**





A WORLDWIDE PRESENCE

PI.EFFE.CI. SRL

Via G. Marconi 76/A
43123 Parma
ITALIA

www.pieffeci.com

CONTACTS

Tel. +39 0521 242676
Fax +39 0521 242861

info@pieffeci.com

