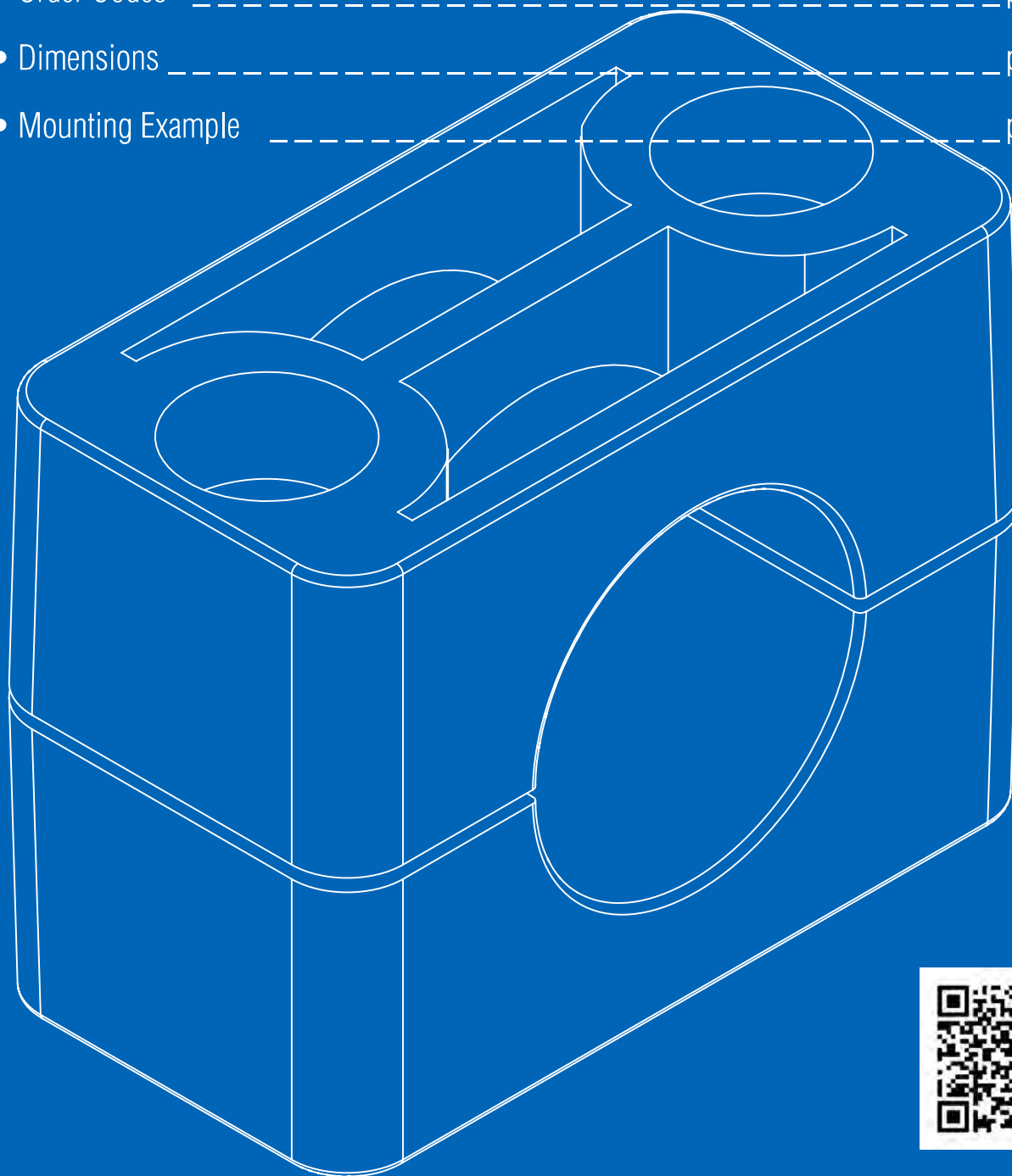


STANDARD Series Clamps

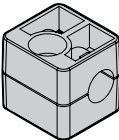
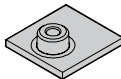
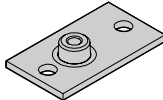
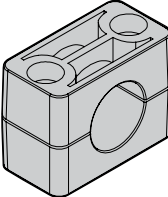
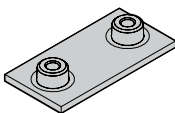
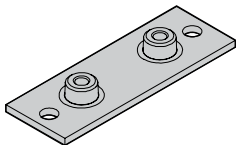
DIN 3015, Part 1

- Order Codes p 04
- Dimensions p 07
- Mounting Example p 10



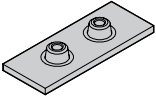
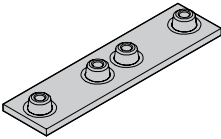
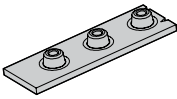
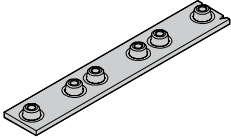
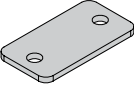
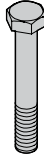
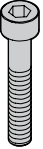
PIPE CLAMPS - STANDARD SERIES

Order Codes

PIPE CLAMPS MATERIAL				Clamp body (two clamp halves)			Single weld plate P		Elongated weld plate (with screw) PL	
Code PP : Polypropylene material Colour Blue NB: other colours on demand.				 TYPE 1			 TYPE 1		 TYPE 1	
Code PA : Polyamide material Colour Black .										
Code GM : Rubber Elastomer material Colour Black										
Code AU : Polypropylene self-extinguishing material. Colour White .										
Internal surface clamp body Knurled from C1 to C7 type and profiled from C8 to C9.				 TYPE 2-9			 TYPE 2-9		 TYPE 2-9	
Code A : Aluminium material Colour Natural Internal surface clamp body profiled .										
For Dimensions see pages 7-9, For material characteristics, see pages 12, 80 and 82.										
Components description				# # - # #, # # - # #			P# XP#		PL# XPL#	
Code P.L.E.F.F.E. Cl. clamp body	O.D. of Pipe/Tube/Hose			Code P.L.E.F.F.E. Cl. Type	Outside diameter in mm	Material of clamp body	Single weld plate S1360 and AISI 316L Type	Type of thread	Elongated weld plate S1360 and AISI 316L Type	Type of thread
	in mm	nominal bore pipe in inch	in inch							
C1 AC1	6			C1	6	# #	P1 XP1	M6	PL1 XPL1	M6
	6,4		1/4"	C1	6,4	# #				
	8		5/16"	C1	8	# #				
	9,5		3/8"	C1	9,5	# #				
	10	1/8"		C1	10	# #				
	12			C1	12	# #				
C2 AC2	12,7		1/2"	C1	12,7	# #	P2 XP2	M6	PL2 XPL2	M6
	6			C2	6	# #				
	6,4		1/4"	C2	6,4	# #				
	8		5/16"	C2	8	# #				
	9,5		3/8"	C2	9,5	# #				
	10	1/8"		C2	10	# #				
C3 AC3	12			C2	12	# #	P3 XP3	M6	PL3 XPL3	M6
	12,7		1/2"	C2	12,7	# #				
	12,7		1/2"	C3	12,7	# #				
	13,5	1/4"		C3	13,5	# #				
	14			C3	14	# #				
	15			C3	15	# #				
C4 AC4	16		5/8"	C3	16	# #	P4 XP4	M6	PL4 XPL4	M6
	17,2	3/8"		C3	17,2	# #				
	18			C3	18	# #				
	19		3/4"	C4	19	# #				
	20			C4	20	# #				
	21,3	1/2"		C4	21,3	# #				
C5 AC5	22		7/8"	C4	22	# #	P5 XP5	M6	PL5 XPL5	M6
	23			C4	23	# #				
	25			C4	25	# #				
	25,4		1"	C4	25,4	# #				
	26,9	3/4"		C5	26,9	# #				
	28			C5	28	# #				
C6 AC6	29			C5	29	# #	P6 XP6	M6	PL6 XPL6	M6
	30			C5	30	# #				
	32		1.1/4"	C5	32	# #				
	32		1.1/4"	C6	32	# #				
	33,7	1"		C6	33,7	# #				
	35			C6	35	# #				
C7 AC7	38		1.1/2"	C6	38	# #	P7 XP7	M6	PL7 XPL7	M6
	40			C6	40	# #				
	42,4	1.1/4"		C6	42,4	# #				
	45			C6	45	# #				
	44,5		1.3/4"	C7	44,5	# #				
	45			C7	45	# #				
C8	48,3	1.1/2"		C7	48,3	# #	P8 XP8	M6	PL8 XPL8	M6
	50			C7	50	# #				
	50,8		2"	C7	50,8	# #				
	53			C7	53	# #				
	54	1.3/4"		C7	54	# #				
	57,2		2.1/4"	C8	57,2	# #				
C9	60,3	2"		C8	60,3	# #	P9 XP9	M6	PL9 XPL9	M6
	63,5		2.1/2"	C8	63,5	# #				
	66			C8	66	# #				
	70		2.3/4"	C8	70	# #				
	73			C8	73	# #				
	76,1	2.1/2"	3"	C8	76,1	# #				
C9	88,9	3"	3.1/2"	C9	88,9	# #	P9 XP9	M6	PL9 XPL9	M6
	102	3.1/2"	4"	C9	102	# #				

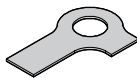
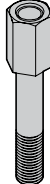
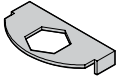
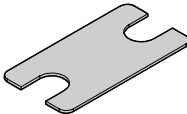
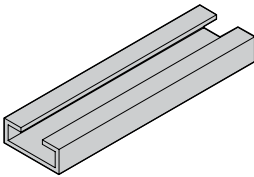
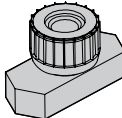
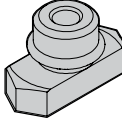
PIPE CLAMPS - STANDARD SERIES

Order Codes

Twin weld plate PD		Multiple weld plate PM			Upper plate PS	Hexagon head bolt VE	Bushing B	Hexagon head bolt VEB	Socket cap screw TCEI		
 TYPE 1  TYPE 2-7		 TYPE 1  TYPE 2-7			 TYPE 1  TYPE 2-9	WITH UPPER PLATE PS EN ISO 4014 / 4017 	NO UPPER PLATE FOR USE WITH HEXAGON HEAD BOLT VEB 	FOR USE WITH BUSHING B 	EN ISO 4762 		
PD#	#	PM#	#		PS#	VE#	B	VEB#	TCEI#		
XPD#		XPM#			XPS#	XVE#	XB	XVEB#	XTCEI#		
Twin weld plate S360 and AISI 316L Type	Type of thread	Multiple weld plate S360 and AISI 316L Type	Type of thread	Number of clamps	Upper plate S360 and AISI 316L Type	Hexagon head bolt Steel 8.8 and A4 Type	Bushing S360 and AISI 316L	Hexagon head bolt Steel 8.8 and A4 Type	Socket cap screw Steel 8.8 and A4 Type	Type of thread	Type of thread
PD1 XPD1	M6	PM1 XPM1	M6	10	PS1 XPS1	VE1 XVE1	(M6x30)	VEB1 XVEB1	TCEI1 XTCEI1	(M6x27)	(M6x20)
PD2 XPD2	M6	PM2 XPM2	M6	10	PS2 XPS2	VE2 XVE2	(M6x30)	VEB2 XVEB2	TCEI 2 XTCEI 2	(M6x27)	(M6x20)
PD3 XPD3	M6	PM3 XPM3	M6	10	PS3 XPS3	VE3 XVE3	(M6x35)	VEB3 XVEB3	TCEI 3 XTCEI 3	(M6x32)	(M6x25)
PD4 XPD4	M6	PM4 XPM4	M6	10	PS4 XPS4	VE4 XVE4	(M6x40)	VEB4 XVEB4	TCEI 4 XTCEI 4	(M6x35)	(M6x30)
PD5 XPD5	M6	PM5 XPM5	M6	5	PS5 XPS5	VE5 XVE5	(M6x45)	VEB5 XVEB5	TCEI 5 XTCEI 5	(M6x42)	(M6x35)
PD6 XPD6	M6	PM6 XPM6	M6	5	PS6 XPS6	VE6 XVE6	(M6x60)	VEB6 XVEB6	TCEI 6 XTCEI 6	(M6x57)	(M6x50)
PD7 XPD7	M6	PM7 XPM7	M6	5	PS7 XPS7	VE7 XVE7	(M6x70)	VEB7 XVEB7	TCEI 7 XTCEI 7	(M6x65)	(M6x60)
---		---			PS8 XPS8	VE8 XVE8	(M6x100)	---	TCEI 8 XTCEI 8		(M6x90)
---		---			PS9 XPS9	VE9 XVE9	(M6x125)	---	TCEI 9 XTCEI 9		(M6x110)

PIPE CLAMPS - STANDARD SERIES

Order Codes

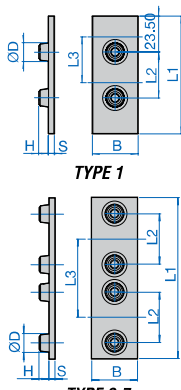
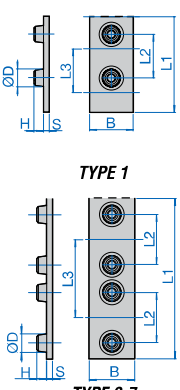
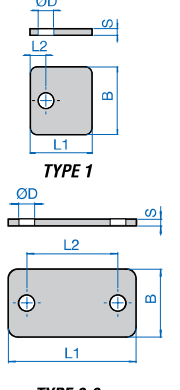
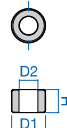
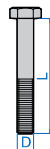
Flat washer RP	Safety washer RS	High hexagon head bolt VA	Locking plate PB	Mounting rail BB	Rail nut with rubber ring DF+ AG / DF-C		
FOR USE WITH SCREW TCEI / VA 	FOR USE WITH HEXAGON HEAD BOLT VE / VEB DIN 93  DIN 463 	FOR STACKED CLAMPS 	FOR OVERLAPPED CLAMPS TYPE 1  TYPE 2-9 		 DF-C WITH RUBBER CAP  DF+AG		
RP XRP	RS 6,4 XRS 6.4	VA# XVA#	#	PB#	BB XBB	DF/DF-C XDF/XDF-C	#
Flat washer S1360 and A4	Safety washer S1360 and A4	High hexagon head bolt S1360 and AISI16L Type	Type of thread	Locking plate S1360 and AISI 316L Type	Mounting rail Steel DX51D and AISI 316L	Rail nut C20 and AISI 316L	Type of thread
RP XRP for clamps C1-C9 and AC1-AC7	RS 6,4 XRS 6,4 for clamps C1-C9 and AC1-AC7	VA1 XVA1	M6	PB1 XPB1	BB XBB Available heights 11, 14 and 30mm Available lengths 2m	DF/DF-C XDF/XDF-C	M6
		VA2 XVA2	M6	PB2 XPB2			
		VA3 XVA3	M6	PB3 XPB3			
		VA4 XVA4	M6	PB4 XPB4			
		VA5 XVA5	M6	PB5 XPB5			
		VA6 XVA6	M6	PB6 XPB6			
		VA7 XVA7	M6	PB7 XPB7			
		VA8 XVA8	M6	PB8 XPB8			
		VA9 XVA9	M6	PB9 XPB9			

Dimensions

7

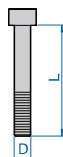
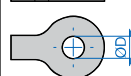
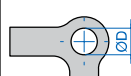
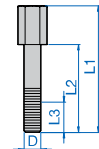
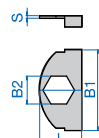
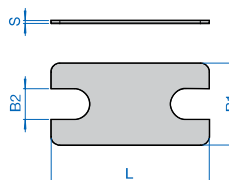
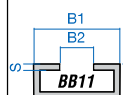
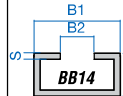
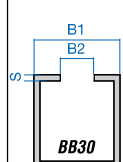
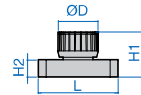
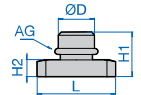
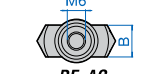
PIPE CLAMPS - STANDARD SERIES

Dimensions

Twin weld plate PD										Multiple weld plate PM										Upper plate PS					Hexagon head bolt VE		Bushing B			Hexagon head bolt VEB	
																									ISO 4014 / 4017 FOR UPPER PLATE PS 					FOR USE WITH BUSHING B 	
Carbon steel St360 code PD Stainless steel AISI 316L c. XPD										Carbon steel St360 code PM Stainless steel AISI 316L c. XPM										Carbon steel St360 c. PD Stainless steel AISI 316L code XPD					Steel 8.8 code VE Stainless st. A4 code XVE		St360 code B St. AISI 316L code XB			Steel 8.8 c. VEB Stainless st. A4 code XVEB	
Code Pl.EFFE.CI.	L1	L2	L3	B	S	H	ØD	Code Pl.EFFE.CI.	L1	L2	L3	B	S	H	ØD	Code Pl.EFFE.CI.	L1	L2	B	S	ØD	Code Pl.EFFE.CI.	D x L	Code Pl.EFFE.CI.	D1	D2	H	Code Pl.EFFE.CI.	D x L		
PD1 XPD1	87	40	40	30	3	6,5	12	PM1 XPM1	310	31	31	30	4	6,5	12	PS1 XPS1	27,5	7	30	3	7	VE1 XVE1	M6x30	B XB	11,5	6,5	8	VEB1 XVEB1	M6x27		
PD2 XPD2	76	20	38	30	3	6,5	12	PM2 XPM2	380	20	38	30	4	6,5	12	PS2 XPS2	34,5	20	30	3	7	VE2 XVE2	M6x30					VEB2 XVEB2	M6x27		
PD3 XPD3	88	26	44	30	3	6,5	12	PM3 XPM3	440	26	44	30	4	6,5	12	PS3 XPS3	40,5	26	30	3	7	VE3 XVE3	M6x35					VEB3 XVEB3	M6x32		
PD4 XPD4	102	33	51	30	3	6,5	12	PM4 XPM4	520	33	52	30	4	6,5	12	PS4 XPS4	48	33	30	3	7	VE4 XVE4	M6x40					VEB4 XVEB4	M6x35		
PD5 XPD5	120	40	60	30	3	6,5	12	PM5 XPM5	300	40	60	30	4	6,5	12	PS5 XPS5	56,5	40	30	3	7	VE5 XVE5	M6x45					VEB5 XVEB5	M6x42		
PD6 XPD6	150	52	75	30	3	6,5	12	PM6 XPM6	375	52	75	30	4	6,5	12	PS6 XPS6	69,5	52	30	3	7	VE6 XVE6	M6x60					VEB6 XVEB6	M6x57		
PD7 XPD7	180	66	90	30	3	6,5	12	PM7 XPM7	450	66	90	30	4	6,5	12	PS7 XPS7	85,5	66	30	3	7	VE7 XVE7	M6x70					VEB7 XVEB7	M6x65		
---								---								PS8 XPS8	118	94	30	5	7	VE8 XVE8	M6x100	---			---				
---								---								PS9 XPS9	144	120	30	5	7	VE9 XVE9	M6x125	---			---				

PIPE CLAMPS - STANDARD SERIES

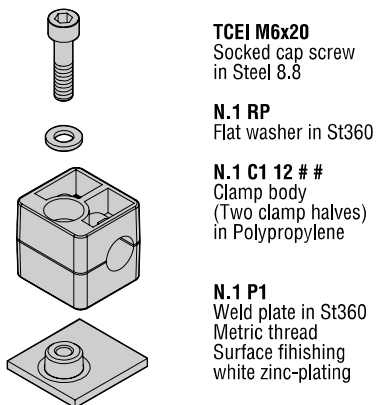
Dimensions

Socket cap screw TCEI		Flat washer RP		Safety washer RS		High hexagon head bolt VA		Locking plate PB		Mounting rail BB		Rail nut with rubber ring DF+AG / DF-C																	
ISO 4762 				DIN 93  DIN 463 		FOR STACKED CLAMPS  		 		  		 DF-C WITH RUBBER CAP  DF+AG 																	
Steel 8.8 c.TCEI Stainless steel AISI 316L code XTCEI		Carbon steel St360 code RP Stainless steel AISI 316L c. XRP		Carbon steel St360 code RS Stainless steel A4 code XRS		St360 code VA Stainless steel AISI 316L code XVA		Carbon steel St360 code PB Stainless steel AISI 316L code XPB		Steel DX51D code BB Stainless st. AISI 316L c. XBB		Steel C20 code DF/DF-C Stainless st. AISI 316L code XDF/XDF-C																	
Code P.L.E.F.F.E.C.I.	D x L	Code P.L.E.F.F.E.C.I.	ØD	ØD1	S	Code P.L.E.F.F.E.C.I.	ØD	Code P.L.E.F.F.E.C.I.	D	L1	L2	L3	CH	Code P.L.E.F.F.E.C.I.	L	B1	B2	S	Code P.L.E.F.F.E.C.I.	B1	B2	S	Code P.L.E.F.F.E.C.I.	L	B	H1	H2	ØD	AG
TCEI XTCEI	M6x20	RP XRP	11,5	6,3	0,8	RS XRS	6,4	VA1 XVA1	M6	34	20	14	11	PB1 XPB1	17	32	11,2	1	BB XBB	28	11	2	DF/DF-C XDF/XDF-C	25,5	10,4	14,5	5,5	11,8	10x2
	M6x20							VA2 XVA2	M6	34	20	14	11	PB2 XPB2	33	28	11,2	1											
	M6x25							VA3 XVA3	M6	39	25	14	11	PB3 XPB3	39	28	11,2	1											
	M6x30							VA4 XVA4	M6	43	29	14	11	PB4 XPB4	47	28	11,2	1											
	M6x35							VA5 XVA5	M6	49	35	14	11	PB5 XPB5	54	28	11,2	1											
	M6x50							VA6 XVA6	M6	64	50	15	11	PB6 XPB6	66	28	11,2	1											
	M6x60							VA7 XVA7	M6	73	59	14	11	PB7 XPB7	80,3	28	11,2	1											
	M6x90							VA8 XVA8	M6	99	85	14	11	PB8 XPB8	117	28	11,2	1											
	M6x110							VA9 XVA9	M6	124	110	14	11	PB9 XPB9	143	28	11,2	1											

PIPE CLAMPS - STANDARD SERIES

Mounting Example

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



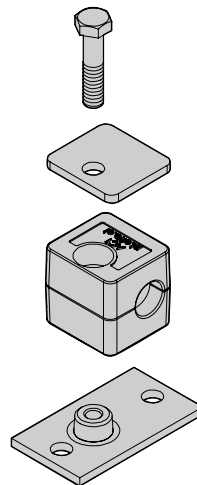
TCEI M6x20
Socked cap screw
in Steel 8.8

N.1 RP
Flat washer in St360

N.1 C1 12 # #
Clamp body
(Two clamp halves)
in Polypropylene

N.1 P1
Weld plate in St360
Metric thread
Surface finishing
white zinc-plating

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



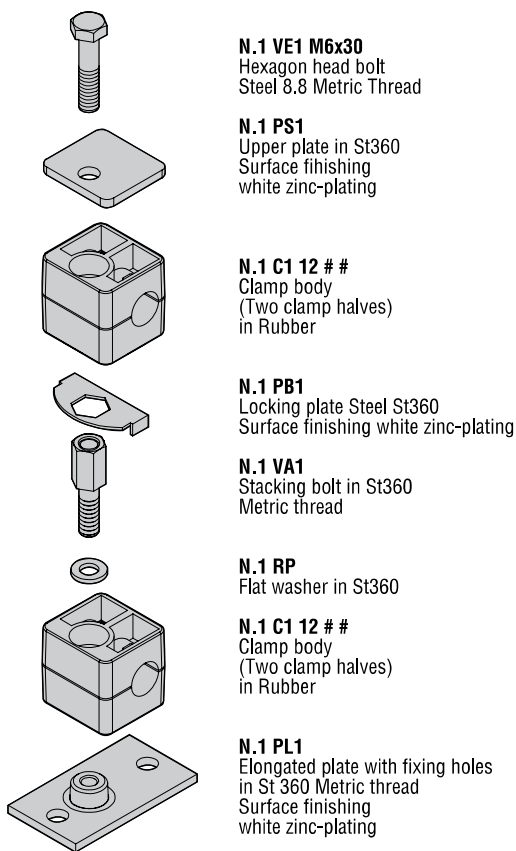
N.1 VE1 M6x30
Hexagon head bolt Steel 8.8
Metric Thread

N.1 PS1
Upper plate in St360
Surface finishing
white zinc-plating

N.1 C1 12 # #
Clamp body
(Two clamp halves)
in Aluminium

N.1 PL1
Elongated plate with fixing holes
in St 360 Metric thread
Surface finishing
white zinc-plating

Mounting Example of complete stacked clamp C1 in Rubber for pipe with outside diameter of 12mm, 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 St360
Surface finishing
white zinc-plating

N.1 C1 12 # #
Clamp body
(Two clamp halves)
in Rubber

N.1 PB1
Locking plate Steel St360
Surface finishing white zinc-plating

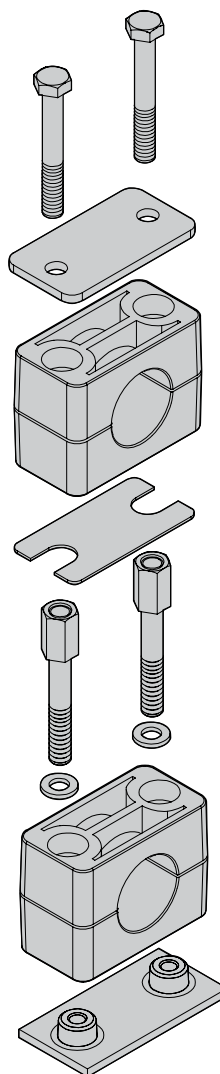
N.1 VA1
Stacking bolt in St360
Metric thread

N.1 RP
Flat washer in St360

N.1 C1 12 # #
Clamp body
(Two clamp halves)
in Rubber

N.1 PL1
Elongated plate with fixing holes
in St 360 Metric thread
Surface finishing
white zinc-plating

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



N.2 VE5 M6x45
Hexagon head bolt
Steel 8.8 Metric Thread

N.1 PS5
Upper plate in St360
Surface finishing
white zinc-plating

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

N.1 PB5
Locking plate Steel St360
Surface finishing white zinc-plating

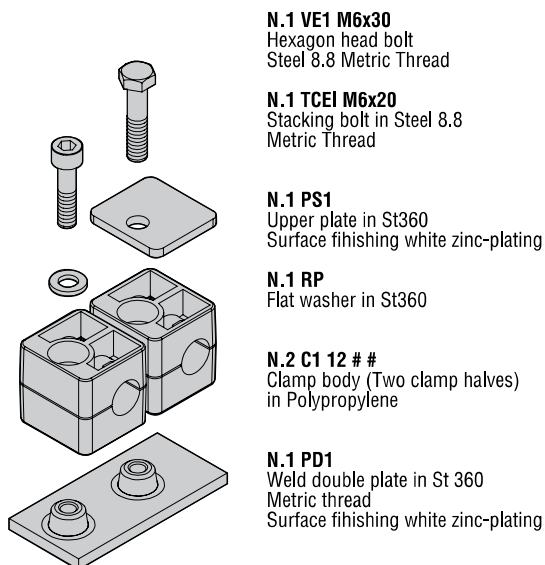
N.2 VA5
Stacking bolt in St360
Metric thread

N.2 RP
Flat washer in St360

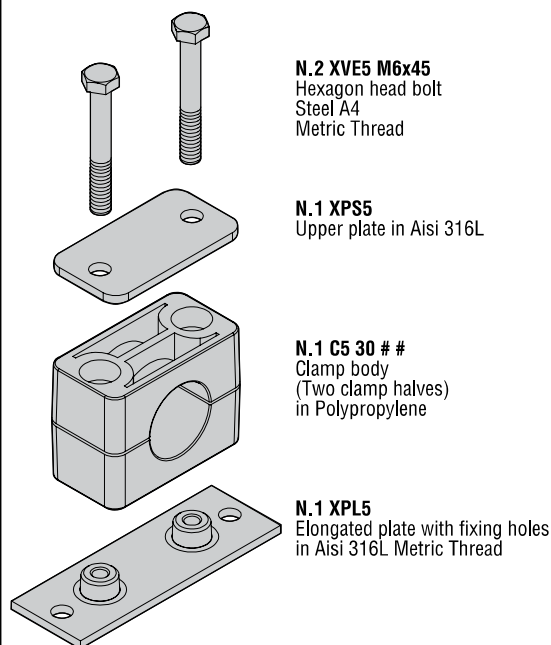
N.1 C5 30 # #
Clamp body
(Two clamp halves)
in Polypropylene

N.1 P5
Weld plate in St 360
Metric thread
Surface finishing
white zinc-plating

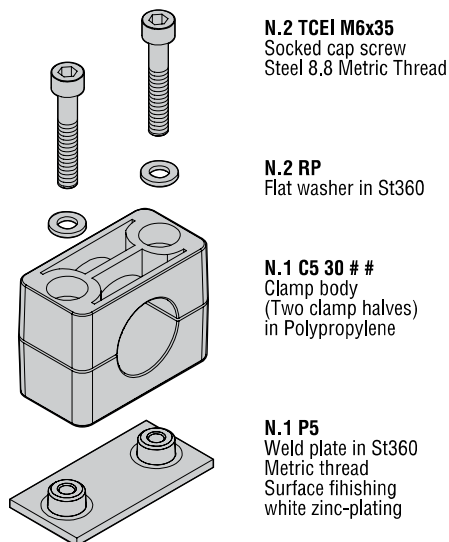
Mounting Example of complete clamp C1 type side by side in Polypropylene for pipe with outside diameter of 12mm, with double weld plate and upper plate.



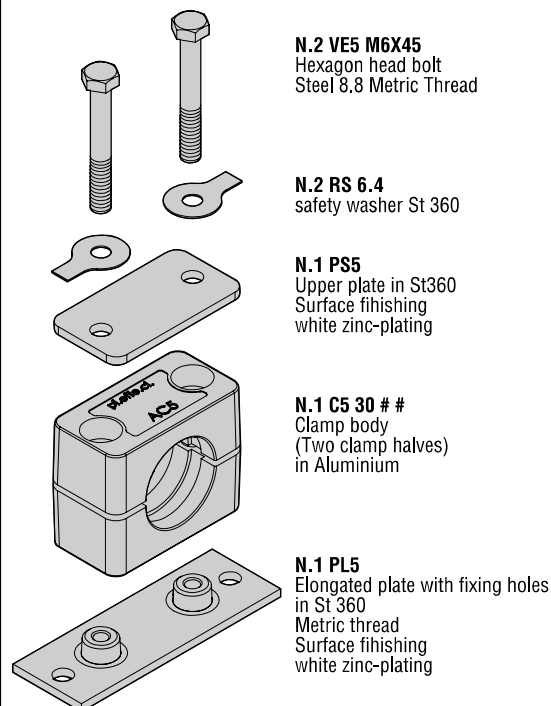
Mounting Example of complete clamp C5 in Polypropylene for pipe with outside diameter of 30mm, elongated plate with fixing holes and upper plate.



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



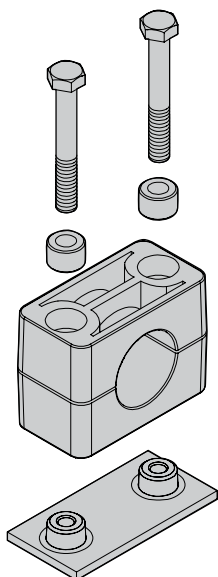
Mounting Example of complete clamp C5 in Aluminium for pipe with outside diameter of 30mm, elongated plate with fixing holes and upper plate.



PIPE CLAMPS - STANDARD SERIES

Mounting Example

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



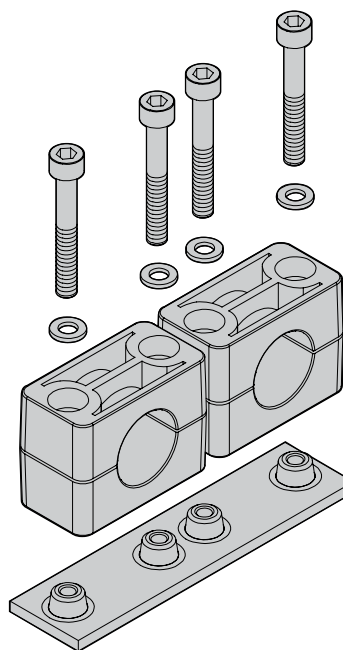
N.2 VEB5 M6x42
Hexagon head bolt
Steel 8.8 Metric Thread

N.2 B
Bushing in St360
Surface finishing
white zinc-plating

N.1 C5 30 ##
Clamp body
(Two clamp halves)
in Rubber

N.1 P5
Weld plate in St360
Metric thread
Surface finishing
white zinc-plating

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



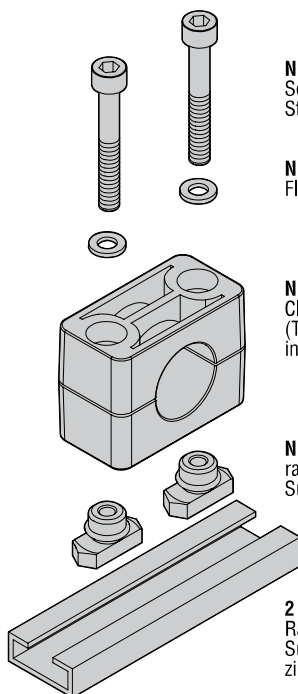
N.4 TCEI M6x35
Socked cap screw
Steel 8.8 Metric Thread

N.2 RP
Flat washer in St360

N.2 C5 30 ##
Clamp body
(Two clamp halves)
in Polypropylene

N.1 PD5
Weld double plate in St360
Metric thread
Surface finishing
white zinc-plating

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



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

N.2 RP
Flat washer in St360

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

N.2 DFM06+AG
rail nut in steel C20 Metric thread
Surface finishing white zinc-plating

2 Meters BB 28x11
Rail in steel DX 51D
Surface finishing
zinc-plating

NOTES

: Material clamp body

PP: Polypropylene

PA: Polyamide

A: Aluminium

GM: Rubber

AU: Polypropylene self-extinguishing