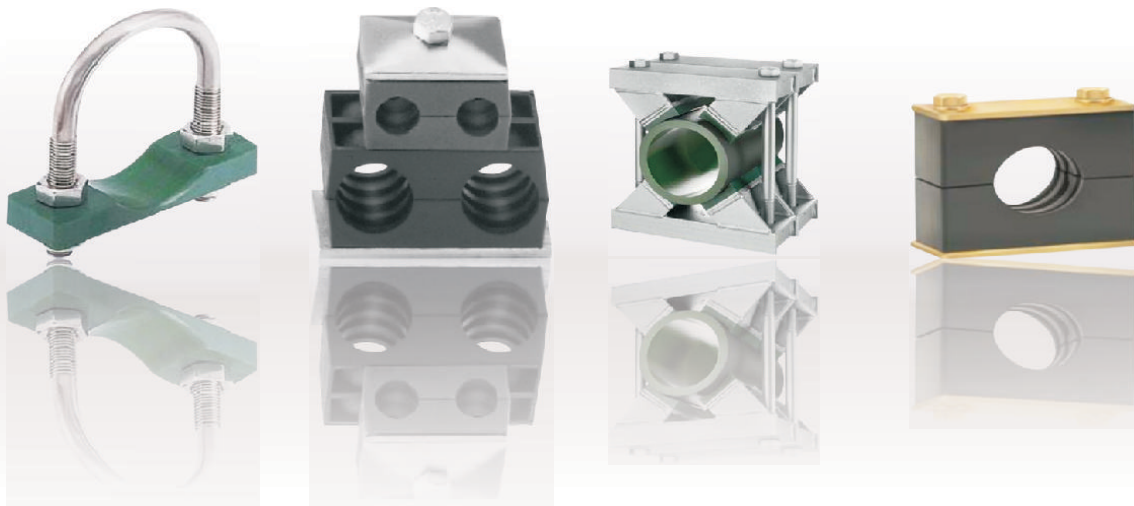




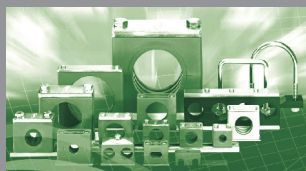
TUBE , PIPE CLAMP MANUAL-DIN 3015



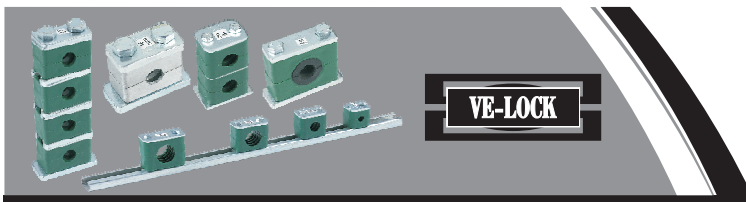
VAISHNAVI HYDRAULICS PVT. LTD.

ISO 9001 :2008 Certified Company



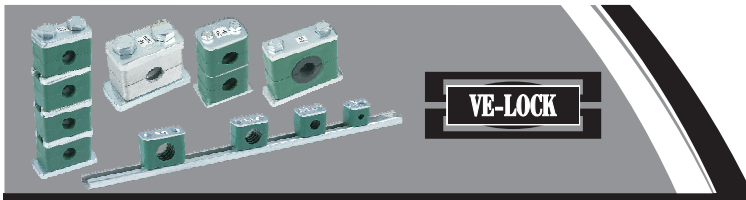


Sr. No.	Page
1. Company Profile	1-3
2. Product Range	4-5
3. Visual Index - Tube Clamps	6-7
4. Part Code Identification	8-9
5. Conversion Table For Tube OD Size	10
6. Technical Appendix	11-16
7. Dimensional Data Sheet	
• Polypropylene Grade Used	17-18
• Pipe Clamp - Standard Series Din 3015 - Part - 1	19
• Pipe Clamp - Heavy Series Din 3015 - Part - 2	20-23
• Heavy Duty Clamps With Rubber Insert	24
• Standard Series Tube Clamps Double Layer Vertical Type ...	25-26
• Heavy Series Tube Clamps Double Layer Vertical Type	27
• Aluminium Tube Clamps Double Layer Vertical Type	28
• Rail Mounted Standard Series Tube Clamps - Din 3015	29
• Rail Mounted Heavy Series Tube Clamps - Din 3015	30-31
• Standard Duty Rail Channel	32-33
• Heavy Duty Rail Channel	34
• U-bolt Clamps Din 3570	35
8. Order Codes, Dimensions & Mounting Examples	
• Pipe Clamp - Standard Series	36-45
• Pipe Clamp - Heavy Series	46-57
• Pipe Clamp - Twin Series	58-65
• Pipe Clamp With Rubber Bushing	66-69
• Pipe Clamp For Twin Adjacent Pipes	70-71
• Pipe Clamp With Spaced Plates	72-75
• Pipe Clamp With Mounting Rails	76-78
• Special Clamp	79-82
• Pipe Clamp Heavy Series Twin Design	83-84
• Pipe Clamp Standard Series Special Purpose	85-87
• Special Clamps For Industrial Electrical Applications	88-89
• Pipe Clamp Heavy Weight Series	90-91
• U-Bolt Clamps	92-99
• Squared U-Bolt Clamps	100-102
9. Tool For Welding Of Plates	103
10. Enclosure	
• Trade Mark Certificate	
• ISO Certificate	
• Quality & Testing Certificate	



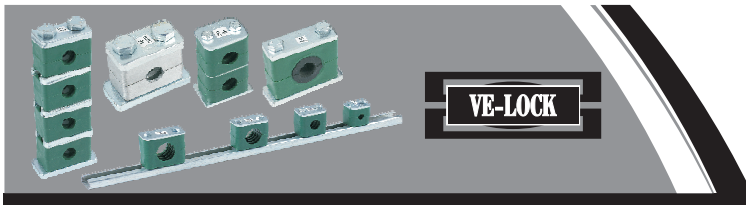
ABOUT US

- **We** are into the business of experience & Explore all possible opportunities by providing right solutions with the help of resources & technology for the betterment of people & the organization.
- **"Vaishnavi Hydraulics Pvt. Ltd..** is well known for its brand called " VE-LOCK " & " VE " in the field of Hydraulic & Industrial Engineering application industries like - Railways | Steel Plant Industries | Power plant | Oil & Gas industries |Aeronautics Equipments | Paper Mill Plants | Cement Mixers |Power packs Equipments.
- **"Since year 2006**, Hydraulic & Industrial Engineering industries has found that the usage of VE-LOCK - tube fittings |tube clamps |flanges | tubes | Valves and Quick couplings are leak proof joints for Hydraulic High pressure Piping Systems .
- **"VE-LOCK"** is Dynamic Manufacturing & Exporter company that offers Hydraulic Fluid Power & Motion application components such as - Tube clamps | Tube Fittings | SAE Flanges | High Pressure Valves | Quick Couplings | Seamless Tubes contributes Trouble Free / Leak Proof / Maintenance Free / Long Shelf life of Machine / Better Performance / Superior in Aesthetic Quality to many Hydraulic & Engineering Application Industries like :- like Shipyards , Railways , SPM (Special Purpose Machines) ,Paper Mills, Construction Equipment ,Mobile Hydraulics, Steel plants & Rolling Mills Manufacturing ,Automobiles & Heavy Mobile Vehicles, Refineries & many more ...
- **Mr. Mehul Padiya** , is Founder / Developer of " VELOCK " Group widely regarded as a "Team Leader " and one of the Proprietor / Director of companies called " VAISHNAVI ENGINEERING " and " VAISHNAVI HYDRAULICS PVT. LTD " in the year 2006 and Year 2011 respectively. He is Qualified Engineer in the Field of Hydraulic & Engineering Application Industries and having boundless ,deep and insightful knowledge, Skills & Leadership about all Hydraulic components & Entrepreneurship. He is master in Knowledge of hydraulics & Engineering piping application & usage , he is skilful having all sort of Skills like - People Management skills , Presentation skills, negotiation skills, management skills , Leadership skills.
- **"VE-LOCK"** has unlimited " CLAMPS "manufacturing Facility like :- Moulds for Plastic Moulding , forging , Casting , Jigs & Fixtures , Clamps Top and Bottom Plates , C rails , Rail nuts , Weld Bushes , Plastic & Aluminium Clamps Moulding Machines. Velock has huge space for Storage , Assembly of such clamps & having capacity of stock for all sizes start from 6 mm up to 219 mm od clamps.



COMPANY PROFILE

- **"VE-LOCK"** has state of Manufacturing set up in Mumbai city with various & multiple Horizontal CNC lathe machines , Vertical CNC lathe Machines (Milling Machines) Drill Machine , Surface Grinder , Welding Machines , Wire cut machines , Lathe Machines , Traub Machines and Cutting Band Saw Machines to cope up all Big orders / Rush orders / Urgent orders / special development orders / Non standard items orders given by our all valuable clients throughout the world.
- **"VE-LOCK"** has developed machining Centre for Various Steel & Stainless Steel Products for the Process like Cutting /drilling / punching / boring / threading / grinding / Roll threads /Finishing /Marking . " VELOCK " has developed Approved Subcontractor for Surface Treatment of Steel Products with process of Trivalent Zinc Coated (Chrome VI Free) , Yellow Chromatized , Black Phosphatised , Black Zinc coated , Silver Plating , Nickel Chrome Plated nearby our Manufacturing facility so that it saves time in Production & despatch of goods. " VELOCK " has SPARE Manufacturing facility from outside vendors / sub contractors who can support us during the time of Rush Orders / big Projects orders with reduce in delivery time .
- **"VE-LOCK"** is ISO 9001 :2008 Certified Company with Full Proof (Loop less) Systems & Process with in all Working department such that All the documents & information for clients will reach to them in short span of time. Velock is able to Maintain company structure , work procedures , standards ,Core values at par with the ISO 9001 system Manual & Quality systems Procedures design & certified by ISO 9001:2008 certified company. Also Velock can show you all records start from Sales Enquiry of Buyers till the Despatch of goods in written format as specified in the ISO systems. Velock has 2 Surveillance Audit in One year time by ISO Certification body to check if we have maintain such systems & process throughout a year time & the result is successful with them since last 5 years time .
- **"VE-LOCK"** has excellent team of People working with Various area like Design / Development department , Production Department , Quality Control department , Stores ,Accounts , Sales department & will be available throughout 24 hrs. Our Team includes Diploma Mechanical Engineers, Production Engineers , B.E. Mechanical Engineers , IIT Engineers in Production department , MBA graduates in Sales & Marketing Department & C.A. in account department, Our Shop floor workers are well experienced People working with us since year 2006.
- Today **"VE-LOCK"** is working in one team & in one DNA & keep moving towards our BHAG (Mount Everest Goal) - i.e. - TO BUILD 1000 CR. DIVERSIFIED GROUP OF COMPANIES BY THE YEAR 2033.



Core Purpose:

To Experience & Explore all Possible Opportunities by Providing right solution with the help of Resources & Technology for the betterment of People & Organizations.

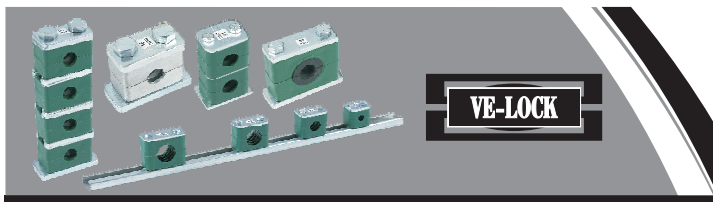
Core Values:

- 1) Self Belief
- 2) Passion & Possibility Thinking
- 3) Growing with the Team
- 4) Continuous Improvement & Innovation
- 5) No Entitlement Attitude
- 6) Customers for Life (Aspirational)

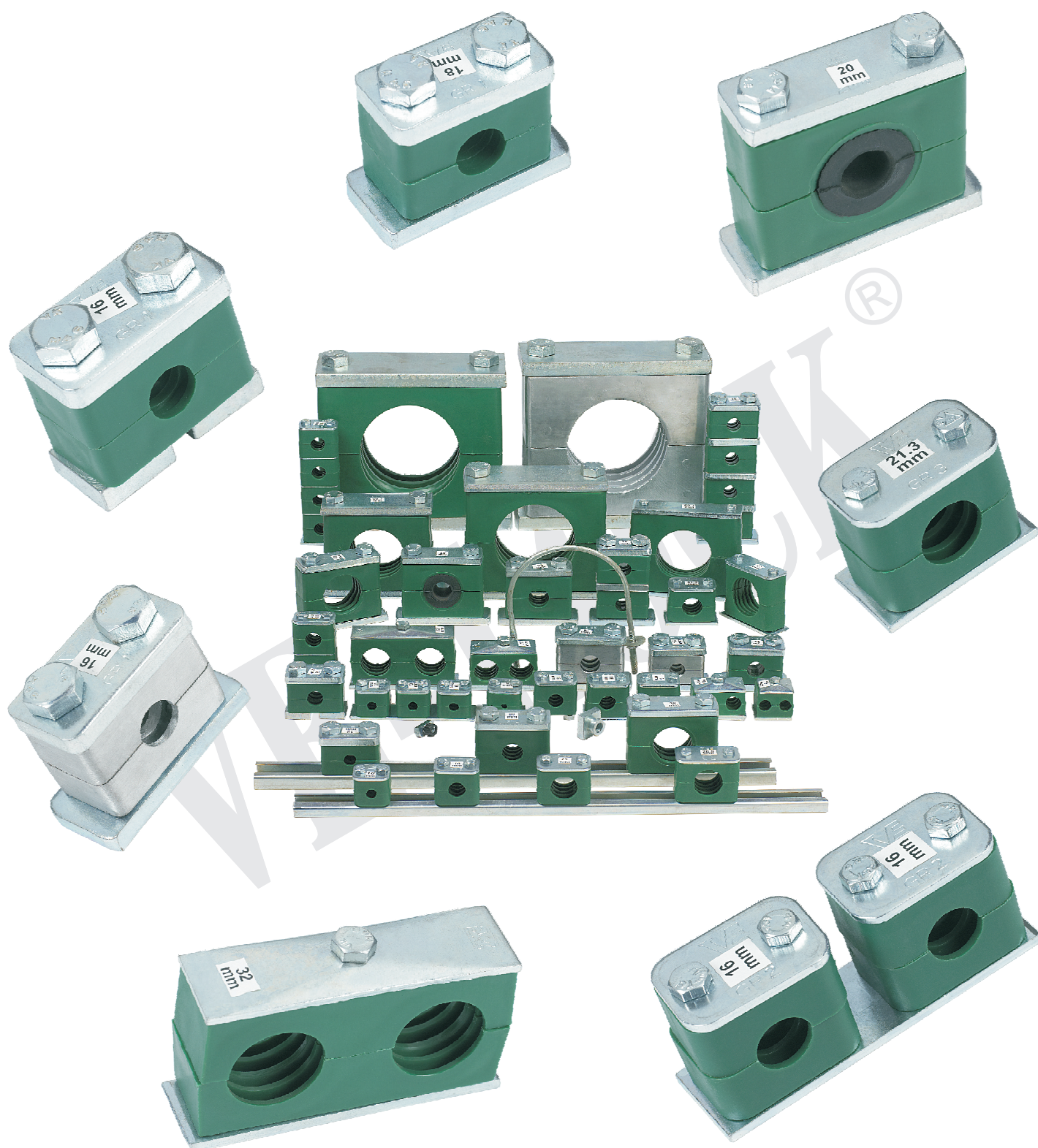
BHAG: To Become a 1000Cr. Diversified Group of company by the year 2033.

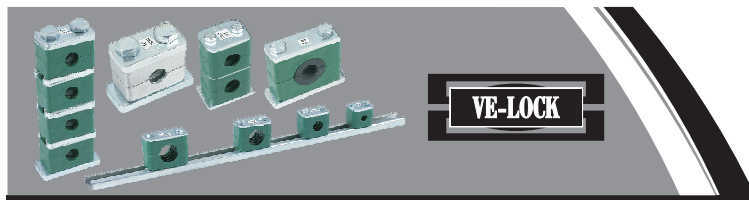
VIVID Description:

- 1) 20YEARS FROM NOW ,VELOCK WILL BE KNOWN AS A WORLD CLASS ORGANISATION WITH ITS HEAD OFFICE AT MUMBAI & 100 BRANCHES ALL OVER INDIA, DUBAI,KUWIAT,KSA.,SINGAPORE,EUROPE & USA.
- 2) WE WILL HAVE MORE THEN 100,000 ACTIVE BUYERS WORLDWIDE AND THERE WILL BE ATLEAST 2 FOR OUR DEALERS IN EACH STATE /CITY/COUNTRY/WORLDWIDE CONTRIBUTION TO OURS THE BETTERMENT OF PEOPLE & ORGANIZATION.
- 3) 20 YEARS FROM NOW,WILL WE BE KNOWS AS MARKET LEADERS IN HYDRAULIC INDUSTRY AND OUR UNIQUENESS I PRODUCTS & PRODUCTS & SYSTEMS WILL BE JUST ONE CLICK AWAY FROM THE PEOPLE OF THE WORLD.
- 4) ALL THE EMPLOYEES IN VELOCKS WILL WORK WITH UTMOST PASSION,BRINGING INN OVATION IDEAS AND WITH AN ABSOLUTE NO ENTITLEMENT ATTITUDE SUCH THAT WE WILL KNOWN FROM AS A HUB FOR MANUFACTURING LEADERS WITHIN THE ORGANIZATION.
- 5) OUR BUSINESS & BRAND PROMISE WILL BE 100%ADVANCE PAYMENTS &WE WILL OFFER NO CREDIT TO ANY BUYERS WORLDWIDE.
- 6) OURS COMPANIES WILL BE RECOGNIZED AS EXAMPLES AND ROLE MODELS FOR EFFECTIVES FUNCTIONING OF A BUSINESS & PRACTICE FOLLOWED BY US SHALL BECOME A SOURCE OF GUIDANCE AND DIRECTION FOR THE MOST SOUGH AFTER COMPANIES THE WORLD.
- 7) STUDENDS FROM ALL OVER THE WORLD WILL WANT TO WORK WITH VELOCK AND IT WILL BECOME THE FIRST CHOICE OF EMPLOYMENTS ACROSS THE GLOBE.
- 8) HAVING DONE ALL THIS, VELOCK WILL BE THE PRESIDENT OF UNITED STATES (U.S.) & OTHER ESTEEMED HONORS FOR ITS CONTRIBUTION TOWARDS INNOVATION AND TECHNOLOGY EXCELLENCE.



PRODUCT RANGE

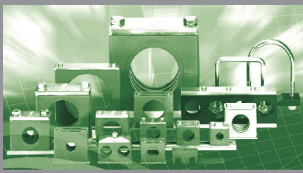




VE-LOCK

PRODUCT RANGE

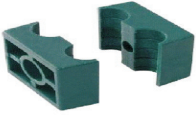




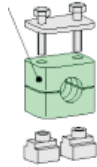
VE-LOCK

VISUAL INDEX - TUBE CLAMPS

SELECTION OF TUBE CLAMPS



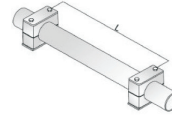
BY CLAMP BODIES



TYPES OF LAYOUT



BY CLAMP MATERIALS



BY SPACING



BY BOLTS



BY CLAMP TORQUE

BY TEMP.



BY BRAND MAKE



ASSEMBLED

STANDARD SERIES CLAMPS



ASSEMBLED



PP CLAMPS



PA -6 CLAMPS



ALUMINIUM CLAMPS



TOP PLATE



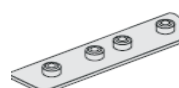
BOTTOM WELD PLATE



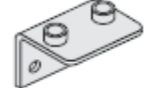
ELONGATED WELD BOTTOM



DOUBLE CLAMPS BOTTOM



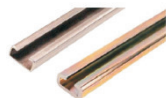
MULTIPLE CLAMPS



ANGLE WELD PLATE



BRIDGE WELD PLATE



MOUNTAIN RAILS



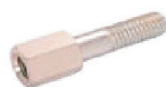
RAIL NUTS



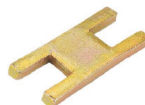
HEX HEADED BOLTS



ALLEN BOLTS



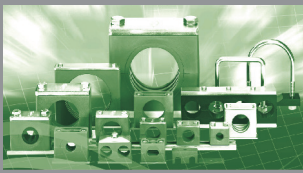
STACKING BOLTS



SAFELY LOCKING PLATE



SAFETY WASHER



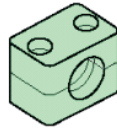
VE-LOCK

VISUAL INDEX - TUBE CLAMPS

HEAVY SERIES CLAMPS



ASSEMBLED CLAMPS



PP CLAMPS



PA -6 CLAMPS



ALUMINIUM CLAMPS



TOP PLATE



WELD BOTTOM PLATE



DOUBLE WELD BOTTOM



DOUBLE TOP PLATE



HEX HEDED BOLTS



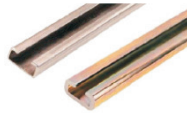
ALLEN BOLTS



STACKING BOLTS



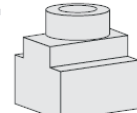
SAFETY LOCKING PLATE



RAILS



ELONGATED BOTTOM

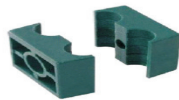


RAIL NUTS - HEAVY

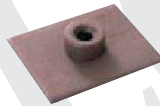
TWIN SERIES CLAMPS



ASSEMBLED



PP TWIN CLAMPS



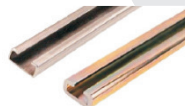
BOTTOM PLATE



MULTIPLE WELD BOTTOM



TOP PLATE



RAILS



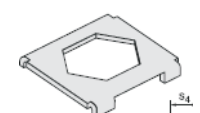
RAIL NUTS



HEX HEADED BOLTS

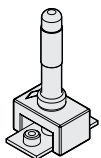


STACKING BOLTS



SAFETY LOCKING PLATE

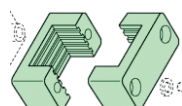
SPECIAL CLAMPS



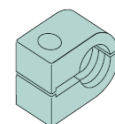
C CLAMPS



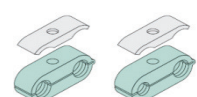
RUBBER INSERT CLAMPS



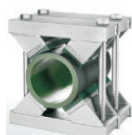
ELECTRICAL CLAMPS



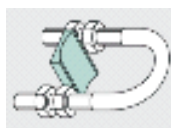
VERY LIGHT SERIES CLAMPS



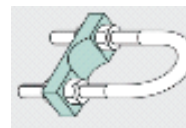
VERY LIGHT - DOUBLE



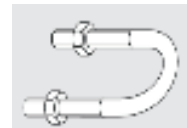
CONSTRUCTION CLAMPS



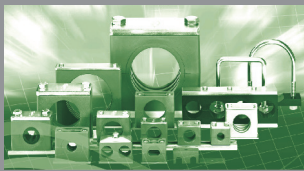
U BOLT WITH SHORT SADDLE



U BOLT WITH LONG SADDLE



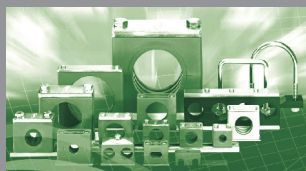
U BOLTS CLAMPS



VE-LOCK

PART CODE IDENTIFICATION

SR. NO.	PART DESCRIPTION	PART CODE
1	STANDARD SERIES CLAMPS	PCL
2	POLYPROPYLENE - PP - JAWS	PCL - PP
3	POLYAMIDE - 6 (FIRE RESIST.) -PA -JAWS	PCL - PA
4	ALUMINIUM - AL - JAWS	PCL - AL
5	SINGLE WELD PLATE	PCL - SWP
6	ELONGATED WELD PLATE	PCL - EWP
7	COVER PLATE	PCL - CP
8	TWIN WELD PLATE	PCL - TWP
9	MULTIPLE WELD PLATE	PCL -MWP
10	BRIDGE WELD PLATE	PCL - BWP
11	MOUNTING RAILS	PCL - MR
12	RAIL NUTS	PCL - RN
13	HEXAGONAL HEAD BOLT	PCL - HHB
14	SOCKET CAP SCREW	PCL - SCS
15	SLOTTED HEAD SCREW	PCL - SHS
16	TACKING BOLTS	PCL - SBS
17	SAFETY LOCKING PLATE	PCL - SLP
18	SAFETY WASHER	PCL - SW
19	HEAVY SERIES CLAMPS	PCH
20	POLYPROPYLENE - PP - JAWS	PCH - PP
21	POLYAMIDE - 6 (FIRE RESIST.) -PA -JAWS	PCH - PA
22	ALUMINIUM - AL - JAWS	PCH - AL
23	SINGLE WELD PLATE	PCH - SWP
24	DOUBLE WELD PLATE	PCH - DWP
25	LONGATED WELD PLATE	PCH - EWPE
26	CCOVER PLATE FOR DOUBLE CLAMPS	PCH - CPD
27	COVER PLATE	PCH - CP
28	TWIN WELD PLATE	PCH - TWP
29	MULTIPLE WELD PLATE	PCH - MWP
30	MOUNTING RAILS	PCH - MR
31	RAIL NUTS	PCH - RN
32	HEXAGONAL HEAD BOLT	PCH - HHB
33	SOCKET CAP SCREW	PCH - SCS
34	SLOTTED HEAD SCREW	PCH - SHS
35	TACKING BOLT	PCH - SBS
36	SAFETY LOCKING PLATE	PCH - SLP
37	SAFETY WASHER	PCH - SW
38	TWIN SERIES CLAMPS	PCT
39	SINGLE WELD PLATE	PCT - SWP
40	MULTIPLE WELD PLATE	PCT - MWP
41	MOUNTING RAILS	PCT - MR
42	RAIL NUTS	PCT - RN



VE-LOCK

PART CODE IDENTIFICATION

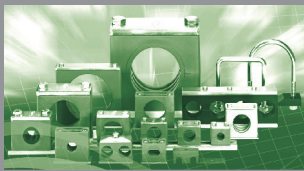
SR. NO.	PART DESCRIPTION	PART CODE
44	HEX HEAD BOLT	PCT - HHB
45	TACKING BOLTS	PCT - SBS
46	SAFETY LOCKING PLATE	PCT - SLP
47	SAFETY WASHER	PCT - SW
48	GROUP WELD PLATE	PCT - GWP
49	CLAMP WITH RUBBER INSERT	RI - CLAMP
50	SENSOR CLAMP SERIES A	SENSOR CLAMP
51	INDUSTRIAL ELECTRIC APPLICATION AND ELECTRICAL CABLES	PIPE CLAMP
52	PIPE CLAMP VERY LIGHT SERIES	TYPE PCLL
53	PIPE CLAMP LIGHT SERIES	TYPE PCLL I / PCLL D
54	PIPE CLAMP CONSTRUCTION SERIES	TYPE KS / DKS
5	PIPE CLAMP, LONG	5PSLPP / PSLPA
56	PIPE SADDLE SHORT	PSSPP / PSSPA
57	U - BOLT CLAMP WITH 2 NUTS	UBC - 2S
58	U - BOLT CLAMP WITH 4 NUTS	UBC - 4S
59	COPOLYMERIC POLYPROPYLENE COLOUR - GREEN	PP
60	POLYAMIDE COLOUR - BLACK	PA
61	ALUMINUM COLOUR NATURAL	AI
62	SANTOPRENE COLOUR BLACK	SA
63	VARIOUS DESIGN OF CLAMP BODY	CLAMP BODY
64	TECHNICAL APPENDIX	PIPE CLAMPS

MATERIALS & SURFACE FINISH FOR METAL PARTS - PLATES + BOLTS

TYPES OF STEEL	GRADE	SURFACE FINISH	PART CODE
Carbon Steel	St. 37	Untreated	SF-1
Carbon Steel	St. 37	Phosphated	SF-2
Carbon Steel	St. 37	Yellow Chrome	SF-3
Carbon Steel	St. 37	Black Zinc	SF-4
Carbon Steel	St. 37	Trivalent Chrome	SF -5
		free (VI)	
Stainless Steel	1.4301 / 1.4305	AISI 304	SF -6

MATERIALS & SURFACE FINISH FOR CLAMP BODIES

MOC -CLAMP BODY	INSIDE FINISH OF PLASTIC	PART CODE
Polypropylene	Profiled Inside with tension clearance	PP
Polypropylene	Smooth Inside without tension clearance	PPH
PolyAmide-6	Profiled Inside with tension clearance	PAH
PolyAmide-6	Smooth Inside without tension clearance	PAH
Santoprene	Profiled Inside with tension clearance	SAH
Santoprene	Smooth Inside without tension clearance	SAH



VE-LOCK

CONVERSION TABLE FOR TUBE OD SIZES

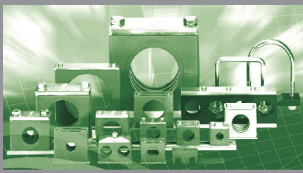
CLAMP DIAdia -D	TUBE OD In Metric	TUBE OD In English Inch	TUBE OD In Nominal Bore
6	6	1/4" OD	
8	8		
9	9	3/8" OD	
10	10		1/8" NB
12	12		
12.7	12.7	1/2" OD	
13.5	13.5		1/4" NB
14	14		
15	15	5/8" OD	
16	16		
17.2	17.2		3/8" NB / 10 NB
18	18		
19	19	3/4" OD	
20	20		
21.3	21.3		1/2" NB / 15 NB
22	22	7/8" OD	
25	25	1" OD	
26.9	26.9		3/4" NB / 20 NB
28	28		
30	30		
32	32	1.25" OD	
33.7	33.7		1" NB / 25 NB
35	35		
38	38	1.5" OD	
42	42		
42.3	42.3		1.25" NB / 30 NB
48.3	48.3		1.5" NB / 40 NB
50.8	50.8MM	2" OD	
60.3	60.3		2" NB / 50 NB
76.1	76.1	3" OD	2.5" NB / 65 NB
88.9	88.9		3" NB / 80 NB
114.3	114.3		4" NB / 100 NB
140	140		5" NB / 125 NB
168.3	168.3		6" NB / 140 NB
219	219		8" NB
273	273		10" NB



VE-LOCK

TECHNICAL APPENDIX

- Purpose of Tube Clamp in Piping System
- Clamp selection criteria
- Material characteristics
- Recommended distance between clamps
- Clamps installation in case of bend pipe
- Thread chart
- Property classes for bolts and screws
- Tightening torques and maximum loads in pipe direction

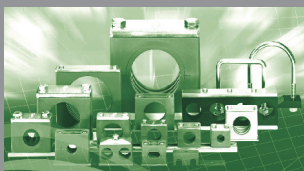


Purpose of Tube Clamps in the Piping Systems

- Clamps are used to give easy & quick installation on the pipes in the Hydraulic, Instrumentation, gas lines, Electric Application, Civil Lines, Oil lines, Water Lines, Fluid Lines and Air Piping Systems.
- Clamps are used to prevent noise & vibration due to working pressure in the piping systems.
- Clamps are used to absorb shocks and to avoid any loosening of fittings joints in the piping systems & take care of any leakages happened due to vibration in the working systems.
- Clamps are used to prevent loosening of tubes to the fittings parts due to pressure lines.

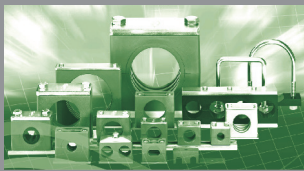
Selection of " Ve-Lock" Tube clamps over Other clamping Systems

- In the past years, Many Industries have been using wooden clamps, Rubber clamps, Plastic clips, Metal clips, U clips, U bolts, Wire clamps, Plastic clamps.
- But Now "Ve-Lock" Brand Clamps have Replaced all other Clamping Techniques due to Better Performance, Easy installation, Flexibility in piping systems, hanging of tubes & fittings components, Better costs, Excellent quality output in the systems.
- "Ve-Lock" Brand Clamps has strong Product design as per DIN 3015 Standards worldwide, which gives Guarantee for users to prevent any loosening of tubes in the piping systems.
- "Ve-Lock" clamps are made from Combination of Metals and Plastics as per DIN 3015 Standards design & dimensions.
- "Ve-Lock" Brand will never use Low quality Plates , Bolts and Plastic Jaws which gives Lower output & less shelf life of the piping systems.
- "Ve-Lock" Brand clamps are suitable for civil pipe lines / gas pipe lines / chemical pipe lines / aeronautics piping systems / hydraulic piping systems / water piping systems / pneumatic piping systems / lubrication piping systems / Electrical Piping / Plastic Piping Food application piping systems / Heating storage piping systems (for High temp. Application)
- " Ve-Lock" Brand clamps are available in smaller sizes like 2 mm od to 60.3 mm od & for Larger sizes like 60.3 mm od to 300 mm od of pipes.
- " Ve-Lock" Brand clamps are available in Light Series / Heavy Series / Twin Series (horizontal) / Double Series (Vertical) / Rail Mounted Flexible piping / for Piping which has Higher Temp. up to 400 C / Multi numbers of Piping in one clamps / with Rubber insert types.
- "Ve-Lock " brand Clamp Sizes are available in Millimeter (MM) / Inch od (Inch) / Nominal Bore Dia of Pipe (NB) Series for Pipes.
- " Ve-Lock " brand clamps are Approved By various Third Party Inspection Like - GL Iloyds, BVQI, IRS, TUV, due to its dimensional stability, Quality, better Performance, High Shelf Life, As per DIN 3015 standards, Good Surface Finish & 100 % in house Testing.



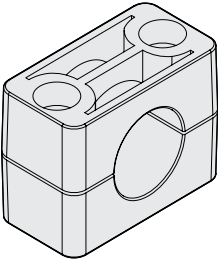
CLAMPS SELECTION CRITERIA

LIGHT SERIES CLAMPS	HEAVY SERIES CLAMPS	ALUMINIUM SERIES	RUBBER INSERT CLAMPS
W.P. UP TO 1500 PSI (100 BAR) IN THE PIPING SYSTEMS	W.P. UP TO 6000 PSI (400 BAR) IN THE PIPING SYSTEMS	W.P. UP TO 6000 PSI (400 BAR) IN THE PIPING SYSTEMS	W.P. UP TO 6000 PSI (400 BAR) IN THE PIPING SYSTEMS
MAINLY USE FOR LOW TEMP. FROM - 30 °C + 90 ° CRECOMMENDED	MAINLY USE FOR LOW TEMP. FROM - 40 °C + 120 ° CRECOMMENDED	MAINLY USE FOR HIGH TEMP. UP TO 300 °C RECOMMENDED	MAINLY USE FOR LOW TEMP. FROM - 40 °C + 125 ° CRECOMMENDED
MAINLY AVAILABLE IN PLASTIC JAWS FROM PP (POLYPROPYLENE) AND PA-6 (POLYAMIDE -6)	MAINLY AVAILABLE IN PLASTIC JAWS FROM PP (POLYPROPYLENE) AND PA-6 (POLYAMIDE-6)	MAINLY AVAILBLE IN HEAVY SERIES WITH ALUMINIUM JAWSCASTING OR SOLID BAR STOCK	MAINLY AVAILBLE IN LIGHT SERIES / HEAVY SERIES PLASTICS AND ALUMINIUM
CLAMPS ARE AVAILABLE IN CARBON STEEL (C.S.) AND STAINLESS STEEL (S.S.) MATERIALS	CLAMPS ARE AVAILABLE IN CARBON STEEL (C.S.) AND STAINLESS STEEL (S.S.)	CLAMPS ARE AVAILABLE IN CARBON STEEL (C.S.) AND STAINLESS STEEL (S.S.)	CLAMPS ARE AVAILABLE IN C.S. AND S.S. ALONG WITH RUBBER INSERT - NBR
COLOR GREEN	COLOR GREEN	NATURAL	BLACK
AVAILABLE SIZES FROM 6 MM OD UP TO 76.1 MM OD UP TO 2.5" NB	AVAILABLE SIZES FROM 6 MM OD UP TO 324 MM OD UP TO 12" NB	AVAILABLE SIZES FROM 6 MM OD UP TO 324 MM OD UP TO 12" NB	AVAILABLE SIZES FROM 6 MM OD UP TO 168 MM OD UP TO 6" NB
LOW COST THEN HEAVY SERIES	HIGH COST THEN LIGHT SERIES	VERY HIGH COST	VERY HIGH COST
AVAILABLE IN TO	AVAILABLE IN TO	AVAILABLE IN TO	AVAILABLE IN TO
MOUNTAIN RAIL TYPES	MOUNTAIN RAIL TYPES	MOUNTAIN RAIL TYPES	MOUNTAIN RAIL TYPES
MULTILAYER TYPES	MULTILAYER TYPES	MULTILAYER TYPES	MULTILAYER TYPES
MULTIPLE OF 2 TO 10 TYPES	MULTIPLE OF 2 TO 10 TYPES	MULTIPLE OF 2 TO 10 TYPES	MULTIPLE OF 2 TO 10 TYPES
METAL CLAMPS TYPES	METAL CLAMPS TYPES	METAL CLAMPS TYPES	METAL CLAMPS TYPES
U BOLTS TYPES	U BOLTS TYPES	U BOLTS TYPES	U BOLTS TYPES
LIGHT IN WEIGHT	LIGHT IN WEIGHT	LIGHT IN WEIGHT	LIGHT IN WEIGHT



VE-LOCK

MATERIALS CHARACTERISTICS

CLAMP BODY		MATERIAL			
		PP	PA	RI	AL
		POLYPROPYLENE Green Homopolymer	POLYAMIDE PA 6	RUBBER Elastomer NBR	ALUMINIUM EN AB AISi11
COLOURE		BLUE	BLACK	BLACK	NATURAL
MECHANICAL CHARACTERISTICS	TEST METHOD				
Modulus of elasticity	ISO 178	Mpa 1.200	Mpa 7.200	--	--
Load in bending at break	ISO 178	--	Mpa 190	--	--
Elongation at break	ISO 527	<10%	3%	600%	1%
Tensile load at break	ISO 527	Mpa 27	Mpa 130	Mpa 9	Mpa 150
Tear strenght	--	--	--	29 N/mm	--
Izod notched	ISO 180/4	KJ/m211	J/m 100	--	--
Charpy notched	ISO 179	KJ/m212	KJ/m2 9	--	--
THERMAL CHARACTERISTICS	TEST METHOD				
Flammability	UL 94	HB	V0	--	--
Vicat (50°C/h 9.8 N)	ISO 306	°C150	°C254	--	--
HDT (0,45 N/ mm2)	ISO 75	°C82	°C248	--	--
HDT (1,82 N/ mm2)	ISO 75	--	°C242	--	--
Recommended Min/Max temperature	IEC 216	-30°C + 90°C	-40°C +120° C	-40°C + 90°C	up to 300° C
ELECTRICAL CHARACTERISTICS	TEST METHOD				
Dielectric strenght	ASTM D 149	--	KV/mm 21	--	--
Comparative Tracking Index	IEC 112	--	V 600/600M	--	--
Resistivity	DIN 53482	Ohm.m >1018	--	--	--
CHEMICAL CHARACTERISTICS	TEST METHOD				
Weak acids - Alkaline solution	--	Limited resistance	Good resistance	--	--
Benzine - Mineral oils	--	Good resistance	Good resistance	--	--
Alcohol - Other oils - Sea water	--	Good resistance	Good resistance	--	--

MATERIAL COMPONENTS AND ACCESSORIES

STEELS

Plates: in steel St37.4

Accessories: in steel lead (11SMnPb37), ENIA (nut for fixing clamps to the rail) and St 37.4 (standard series rail)

STAINLESS STEEL

Metal parts: in stainless steel 316L (X2CrNiMo17-12-2) 1.4404.

U-Bolts in stainless steel 304L with good corrosion resistance and stainless steel 316L (stainless marine) with excellent resistance to corrosion.

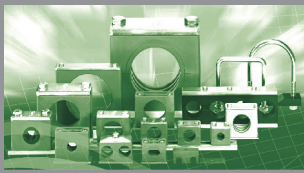
SURFACE FINISHINGS

Components and accessories: they are treated with white zinc c8 Fe Zn II for standard series rail surface treatment Sendzimir.

For U-Bolts electrolytic zinc coating thickness 8 micron Fe/Zn8/A.

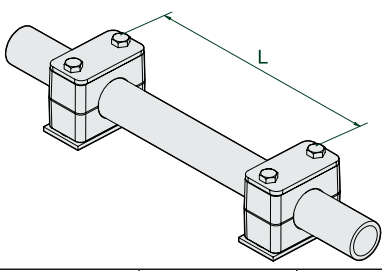
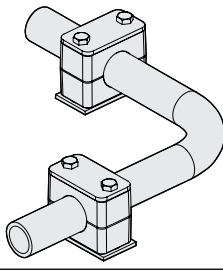
All finishing surfaces are according to the RoHS directive.

Crapal: Zinc / Aluminium coating gray opaque with excellent corrosion resistance (only for U-Bolts).



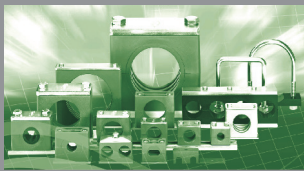
VE-LOCK

PIPE CLAMPS TECHNICAL APPENDIX

RECOMMENDED DISTANCE BETWEEN CLAMPS				CLAMP INSTALLATION IN CASE OF BEND PIPE
 <p>The values of the distances of the clamps shown in the table are indicative values, reported to static loads.</p>				
Pipe outside diameter (mm)	Distance L (m)	Pipe outside diameter (mm)	Distance L (m)	<p>Bend pipes should be fixed by clamps immediately before and after the bend.</p> <p>Moreover it is recommended to design these clamps as fixed piont clamps.</p> <p>Joints is recommended for applications with the use of clamps before and after the junction.</p>
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	

THREAD CHART								
Conversion table and Metric thread / UNC thread								
STANDARD SERIES			HEAVY SERIES			TWIN SERIES		
Code Ve-lock	Metric thread	UNC thread	Code Ve-lock	Metric thread	UNC thread	Code Ve-lock	Metric thread	UNC thread
PCL 1A	M6	1/4 - 20 UNC	PCH 1	M10	3/8 - 16 UNC	PCT 1	M6	1/4 - 20 UNC
PCL 1			PCH 2			PCT 2	M8	5/16 - 18 UNC
PCL 2			PCH 3			PCT 3		
PCL 3			PCH 4	M12	7/16 - 14 UNC	PCT 4		
PCL 4			PCH 5	M16	5/8 - 11 UNC	PCT 5		
PCL 5			PCH 6	M20	3/4 - 10 UNC			
PCL 6			PCH 7	M24	7/8 - 9 UNC			
PCL 7			PCH 8	M30	11/8 - 7 UNC			
PCL 8			PCH 9	M30	11/4 - 7 UNC			
			PCH 10					

PROPERTY CLASSES FOR BOLTS AND SCREWS			
ACCESSORIES	MATERIAL	FINISHING	CLASS
Socket cap screw	Steel	Zinc plated/Untreated	4.6 / 8.8
	Stainless Steel	---	A4-70
Hexagon head bolt	Steel	Zinc plated/Untreated	4.6 / 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

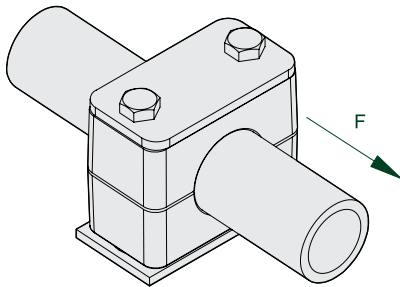


VE-LOCK

TECHNICAL APPENDIX

Tightening Torques and
Maximum Loads in Pipe Direction

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 Fe360.
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 Ve-lock	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)
PCL 1A	M6	8	0,7	10	0,7	12	3,6
PCL 1		8	1,2	10	0,9	12	4,3
PCL 2		8	1,5	10	1	12	4,4
PCL 3		8	1,7	10	1,8	12	4,8
PCL 4		8	1,8	10	1,9	12	5,2
PCL 5		8	2	10	2,1	12	7,5
PCL 6		8	2,2	10	2,8	12	9
PCL 7		8	2,3	10	2,5	---	---
PCL 8		8	2,4	10	2,5	---	---

HEAVY SERIES

Code Ve-lock	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)
PCH 1	M10	13	1,8	21	4,5	32	13
PCH 2		13	3	21	4,7	32	16
PCH 3		15	3,5	25	5,2	37	16,5
PCH 4	M12	30	8,5	40	9,5	55	30,5
PCH 5	M16	46	11,5	56	27	125	36,5
PCH 6	M20	80	15	155	25	225	62,5
PCH 7	M24	110	30	200	34	250	71,7
PCH 8	M30	190	41	360	50	500	86,5
PCH 9		210	125	380	130	500	190,5
PCH 10		270	168	450	180	600	244,5

TWIN SERIES

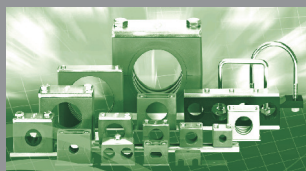
Code Ve-lock	Hexagon head bolt (EN ISO 4014/4017)	Polypropylene		Polyamide	
		Tightening torque (Nm)	Max load in pipe direction F (KN)	Tightening torque (Nm)	Max load in pipe direction F (KN)
PCT 1	M6	6	1,1	6	1,1
PCT 2	M8	13	2,5	13	2,5
PCT 3		13	2,1	13	2,1
PCT 4		13	2,9	13	3,1
PCT 5		9	2,2	9	2,7



VE-LOCK

DIMENSIONAL DATA SHEET

- STANDARD SERIES CLAMPS
- HEAVY SERIES CLAMPS
- TWIN SERIES CLAMPS
- ALUMINUM HEAVY SERIES CLAMPS
- DOUBLE STANDARD SERIES CLAMPS
- DOUBLE HEAVY SERIES CLAMPS
- DOUBLE TWIN SERIES CLAMPS
- RAILNUT TYPE STANDARD SERIES CLAMPS
- RAILNUT TYPE HEAVY SERIES CLAMPS
- RAILNUT TYPE TWIN SERIES CLAMPS
- RUBBER INSEAT TYPE CLAMPS



VE-LOCK

CLAMPS - POLYPROPYLENE GRADE

USED BY VELOCK

TECHNICAL DATA SHEET



Reliance Industries Limited



P O L Y P R O P Y L E N E	
REPOL H110MA	HOMOPOLYMER

Product description & applications :

REPOL Polypropylene H110MA is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system.

Repol H110MA is recommended for **Injection Moulding processes**. Repol H110MA is an ideal choice for moulding rigid containers, thermowares and housewares. It is also suitable as a compounding base and blending material in furniture compound. Repol H110MA contains antistat agent that reduces static charge build-up on products

Features :

Repol H110MA is designed to provide :

- ☐ Low static charge buildup and reduced dust pickup
- ☐ Consistent processability
- ☐ Excellent colour and processing stability

Typical properties of Repol H110MA are as follows :

Property	ASTM Test Method	Unit	Typical Value*
Melt flow index, (230°C / 2.16kg)	D 1238	g/10 min	11.0
Tensile strength at yield (50mm/min)	D 638 ^s	MPa	36
Elongation at yield (50mm/min)	D 638 ^s	%	10
Flexural modulus (1% secant)	D 790A ^s	MPa	1650
Notched Izod Impact strength (23°C)	D 256 ^s	J/m	27
Heat deflection temp. (455 kPa)	D 648	°C	104

\$: ASTM D638 Type I specimen injection moulded and tested in accordance with ASTM D4101

04-05

Repol H110MA meets the requirements stipulated in IS 10910 on "Specification for Polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS-10909. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers.

Repol H110MA passes following tests as per U.S.Pharmacopoeia XXIII:

- ☐ Undue toxicity test ☐ Systemic injection test with four different extractants ☐ Intracutaneous test with four different extractants. This grade also passes skin irritation test (open patch test) as per IS 4011-1982.

REPOL is the registered trademark for Polypropylene from Reliance Industries Limited

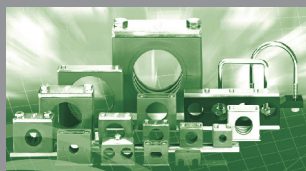
* Typical values with injection moulded specimens, not to be taken as specification

The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or local.

The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agent, as the information and/or data is subject to change based on the research and development work undertaken by the company.

NOTE : THIS DATA SHEET BELONGS TO RELIANCE INDUSTRIES PVT. LTD. & VELOCK IS JUST PRESENTING FOR TECHNICAL INFORMATION ONLY

contd.



VE-LOCK

CLAMPS - POLYPROPYLENE GRADE

USED BY VELOCK

TECHNICAL DATA SHEET



Reliance Industries Limited



P O L Y P R O P Y L E N E

REPOL B120MA

IMPACT COPOLYMER

Product description & applications :

REPOL Polypropylene B120MA is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system.

Repol B120MA is recommended for use in **Injection Moulding** processes where medium impact strength is required. It is an ideal material for housewares, thermowares, sanitarywares, furniture, industrial and automotive components. Repol B120MA contains antistatic agent that reduces static charge build up on products

Features :

Repol B120MA is designed to provide :

- ☐ High flow behaviour
- ☐ Good stiffness-impact balance
- ☐ Good surface gloss
- ☐ Low static charge build up and reduced dust pickup

Typical properties of Repol B120MA are as follows :

Property	ASTM Test Method	Unit	Typical Value*
Melt flow index, (230°C / 2.16kg)	D 1238	g/10 min	12.0
Tensile strength at yield (50mm/min)	D 638 ^S	MPa	24
Elongation at yield (50mm/min)	D 638 ^S	%	10
Flexural modulus (1% secant)	D 790A ^S	MPa	1000
Notched izod impact strength (23°C)	D 256 ^S	J/m	70
Heat deflection temperature (455 kPa)	D 648	°C	95

\$: ASTM D638 Type I specimen injection moulded and tested in accordance with ASTM D4101

04-05

Repol B120MA meets the requirements stipulated in IS 10910 on "Specification for Polypropylene and its copolymers for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS-10909. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21 , 177.1520 Olefin polymers.

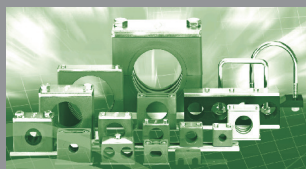
REPOL is the registered trademark for Polypropylene from Reliance Industries Limited

* Typical values with injection moulded specimens, not to be taken as specification

The information and data presented herein is true and accurate to the best of our knowledge. No warranty or guarantee expressed or implied, is made regarding performance or otherwise. This information and data may not be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or local.

The user of any information and/or data is advised to obtain the latest details from any of the offices of the company or its authorized agent, as the information and/or data is subject to change based on the research and development work undertaken by the company.

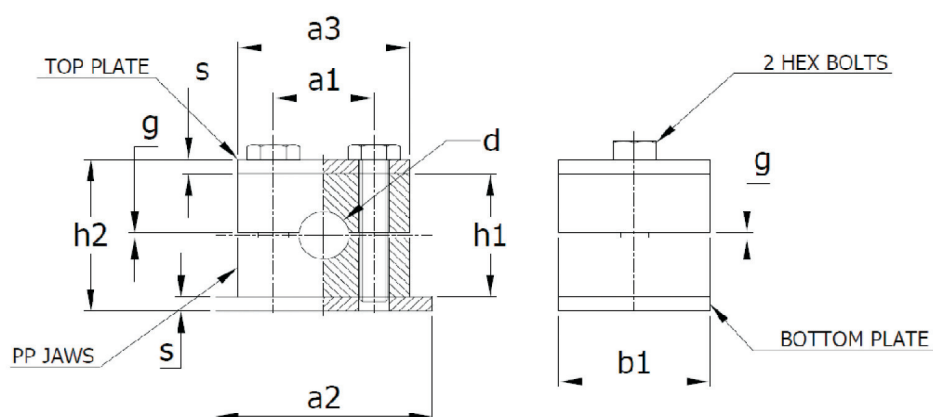
NOTE : THIS DATA SHEET BELONGS TO RELIANCE INDUSTRIES PVT. LTD. & VELOCK IS JUST PRESENTING FOR TECHNICAL INFORMATION ONLY



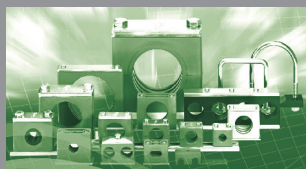
VE-LOCK

PIPE CLAMP - STANDARD SERIES

DIN 3015 - PART - 1



ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS + ONE PAIRS OF PP JAWS											
DIN GROUP	OUR PART CODE	PIPE OD Dia - d	a2	a3	a1	b1	G	S	h1	h2	HEX BOLT SIZE
	Ve-Lock	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	SIZE x LENGTH
1	PCL 6 MM	6	43	34	20	30	0.4	3	27	33	M6 x 30 MM
	PCL 6.4 MM	6.4									
	PCL 8 MM	8									
	PCL 9.5 MM	9.5									
	PCL 10 MM	10									
	PCL 12 MM	12									
2	PCL 12.7 MM	12.7	48	42	26	30	0.6	3	32-33	38	M6 x 37 MM
	PCL 13.7 MM	13.7									
	PCL 14 MM	14									
	PCL 15 MM	15									
	PCL 16 MM	16									
	PCL 17.2 MM	17.2									
3	PCL 18 MM	18	56	50	33	30	0.6	3	36	42	M6 x 40 MM
	PCL 19 MM	19									
	PCL 20 MM	20									
	PCL 21.3 MM	21.3									
	PCL 22 MM	22									
4	PCL 25 MM	25	62	60	40	30	0.6	3	42	48	M6 x 45 MM
	PCL 26.9 MM	26.9									
	PCL 28 MM	28									
5	PCL 30 MM	30	74	70	52	30	0.8	3	58	64	M6 x 60 MM
	PCL 32 MM	32									
	PCL 33.7 MM	33.7									
	PCL 35 MM	35									
	PCL 38 MM	38									
6	PCL 40 MM	40	88	86	66	30	0.8	3	66	72	M6 x 70 MM
	PCL 42 MM	42									
	PCL 44.5 MM	44.5									
7	PCL 48.3 MM	48.3	122	118	94	30	0.8	3 or 5	93	99 or 103	M6 x 100 MM
	PCL 50.8 MM	50.8									
	PCL 60.3 MM	60.3									
	PCL 63.5 MM	63.5									
	PCL 76.1 MM	76.1									

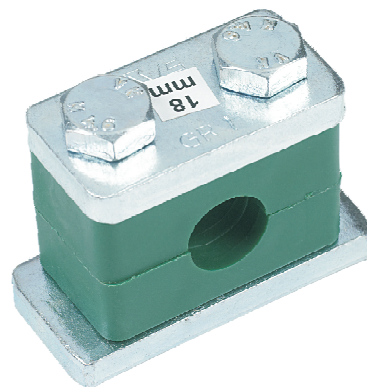
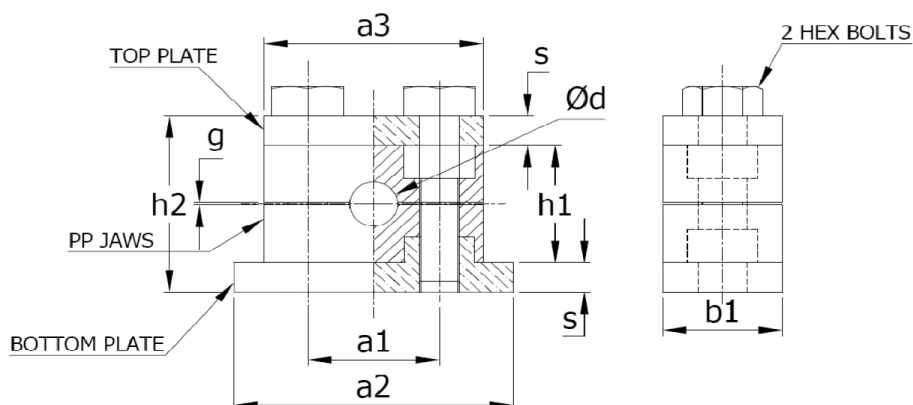


VE-LOCK

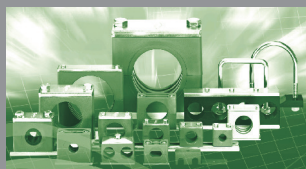
PIPE CLAMP - HEAVY SERIES

DIN 3015 - PART - 2

WITH HEX BOLTS - 4.6 GRADES



ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS (4.6 Grades)+ ONE PAIRS OF PP JAWS											
DIN GROUP	OUR PART CODE	PIPE OD Dia = d	a3	a1	h1	h2	g	b1	a2	S	BOLT SIZE
1	Ve-Lock	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
	PCH 6 MM	6	55	33	32	48 TO 49	0.6 TO 1 MM	30	72	8	M 10 x 45 MM
	PCH 6.4 MM	6.4									
	PCH 8 MM	8									
	PCH 9.5 MM	9.5									
	PCH 10 MM	10									
	PCH 12 MM	12									
	PCH 12.7 MM	12.7									
	PCH 13.5 MM	13.5									
	PCH 14 MM	14									
	PCH 15 MM	15									
	PCH 16 MM	16									
2	PCH 17.2 MM	17.2	70	45	48	64	0.6 TO 1 MM	30	86	8	M 10 x 60 MM
	PCH 18 MM	18									
	PCH 19 MM	19									
	PCH 20 MM	20									
	PCH 21.3 MM	21.3									
	PCH 22 M	22									
3	PCH 25 MM	25	85	60	60 TO 62	76 TO 78	0.6 TO 1 MM	30	100	8	M 10 x 70 MM
	PCH 26.9	26.9									
	PCH 28 MM	28									
	PCH 30 MM	30									
	PCH 32 MM	32									
	PCH 33.7 MM	33.7									
4	PCH 35 MM	35	115	90	89 TO 92	109 TO 112	2 MM	45	140	10	M 12 x 100 MM
	PCH 38 MM	38									
	PCH 42 MM	42									
	PCH 42.3 MM	42.3									
	PCH 48.3 MM	48.3									
	PCH 50.8 MM	50.8									
5	PCH 60.3 MM	60.3	152	122	120 TO 122	137 TO 140	2 MM	60	180	10	M 16 x 130 MM
	PCH 63.5 MM	63.5									
	PCH 65 MM	65									
	PCH 70 MM	70									
6	PCH 73 MM	73	210	168	163 TO 168	193 TO 195	3 MM	80	230	16	M 20 x 180 MM
	PCH 76.1 MM	76.1									
	PCH 88.9 MM	88.9									
	PCH 102 MM	102									
7	PCH 114 MM	114	254	205	200	230 TO 232	3 MM	100	275	16	M 24 x 225 MM
	PCH 127 MM	127									
	PCH 133 MM	133									
8	PCH 141 MM	141	323	265	270	320	3 MM	130	345	25	M 30 x 300 MM
	PCH 152 MM	152									
	PCH 168 MM	168									
	PCH 177.8 MM	177.8									
	PCH 193.7 MM	193.7	323	265	270	320	3 MM	130	345	25	M 30 x 300 MM
	PCH 216 MM	216									
	PCH 219 MM	219									

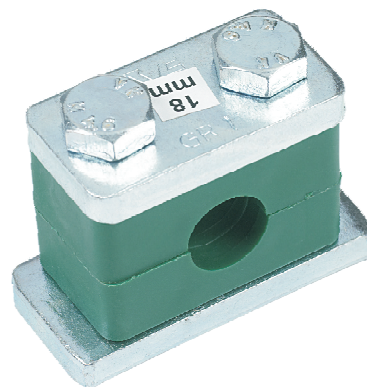
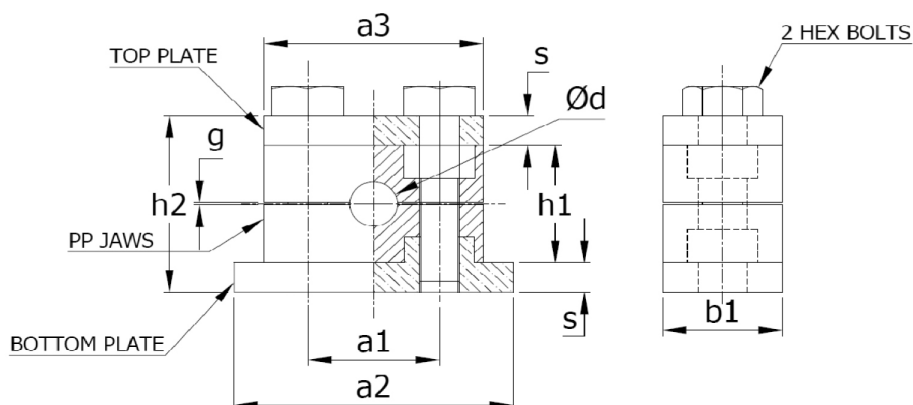


VE-LOCK

PIPE CLAMP - HEAVY SERIES

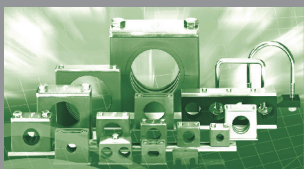
DIN 3015 - PART - 2

WITH HEX BOLTS - 8.8 GRADES



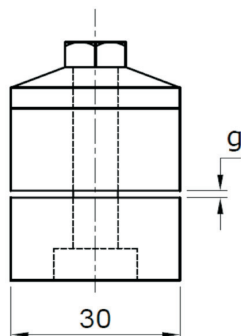
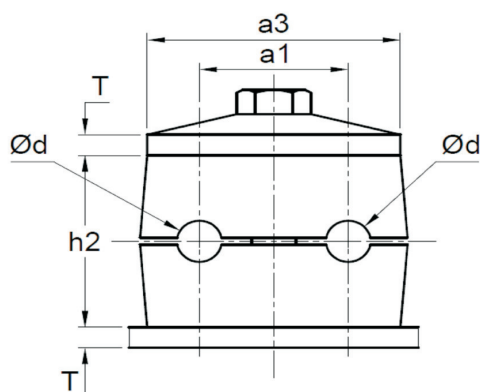
ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS (8.8 Grades)+ ONE PAIRS OF PP JAWS

DIN GROUP	OUR PART CODE	PIPE OD Dia = d	a3	a1	h1	h2	g	b1	a2	S	BOLT SIZE
	Ve-Lock	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
1	PCH 6 MM	6	55	33	32	48 TO 49	0.6 TO 1 MM	30	72	8	M 10 x 45 MM
	PCH 6.4 MM	6.4									
	PCH 8 MM	8									
	PCH 9.5 MM	9.5									
	PCH 10 MM	10									
	PCH 12 MM	12									
	PCH 12.7 MM	12.7									
	PCH 13.5 MM	13.5									
	PCH 14 MM	14									
	PCH 15 MM	15									
	PCH 16 MM	16									
2	PCH 17.2 MM	17.2	70	45	48	64	0.6 TO 1 MM	30	86	8	M 10 x 60 MM
	PCH 18 MM	18									
	PCH 19 MM	19									
	PCH 20 MM	20									
	PCH 21.3 MM	21.3									
	PCH 22 M	22									
	PCH 25 MM	25									
3	PCH 26.9	26.9	85	80	80 TO 62	76 TO 78	0.6 TO 1 MM	30	100	8	M 10 x 70 MM
	PCH 28 MM	28									
	PCH 30 MM	30									
	PCH 32 MM	32									
	PCH 33.7 MM	33.7									
	PCH 35 MM	35									
4	PCH 38 MM	38	115	90	89 TO 92	109 TO 112	2 MM	50	140	10	M 12 x 100 MM
	PCH 42 MM	42									
	PCH 42.3 MM	42.3									
	PCH 48.3 MM	48.3									
	PCH 50.8 MM	50.8									
5	PCH 60.3 MM	60.3	152	122	120 TO 122	137 TO 140	2 MM	65	180	10	M 16 x 130 MM
	PCH 63.5 MM	63.5									
	PCH 65 MM	65									
	PCH 70 MM	70									
	PCH 73 MM	73									
6	PCH 76.1 MM	76.1	210	168	163 TO 168	193 TO 195	3 MM	80	230	16	M 20 x 180 MM
	PCH 88.9 MM	88.9									
	PCH 102 MM	102									
	PCH 114 MM	114									
7	PCH 127 MM	127	254	205	200	230 TO 232	3 MM	100	275	16	M 24 x 225 MM
	PCH 133 MM	133									
	PCH 141 MM	141									
8	PCH 152 MM	152	323	265	270	320	3 MM	130	345	25	M 30 x 300 MM
	PCH 168 MM	168									
	PCH 177.8 MM	177.8									
	PCH 193.7 MM	193.7									
	PCH 216 MM	216									
	PCH 219 MM	219									



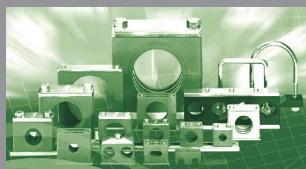
VE-LOCK

PIPE CLAMP DIN 3015 PART 3 - TWIN SERIES



ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 1 HEX BOLTS + ONE PAIR OF PP CLAMPS

DIN / VE GROUP	PIPE OD in mm dia = d	a2	a3	a1	g	T	h2	Bolt Size
		IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM
1	6	37	34	20	0.6 MM	3	26.5	M 6 x 35 MM
	6.4							
	8							
	9.5							
	10							
	12							
2	12.7	55	52	29	0.7 MM	5	26.5	M 8 x 35 MM
	13.5							
	14							
	15							
	16							
	17.2							
	18							
3	19	70	67	36	0.7 MM	5	36.5	M 8 x 45 MM
	20							
	21.3							
	22							
	25							
4	26.9	85	80	45	0.7 MM	5	38	M 8 x 50 MM
	28							
	30							
5	32	110	106	56	0.7 MM	5	52	M 8 x 60 MM
	33.7							
	35							
	38							
	40							
	42							

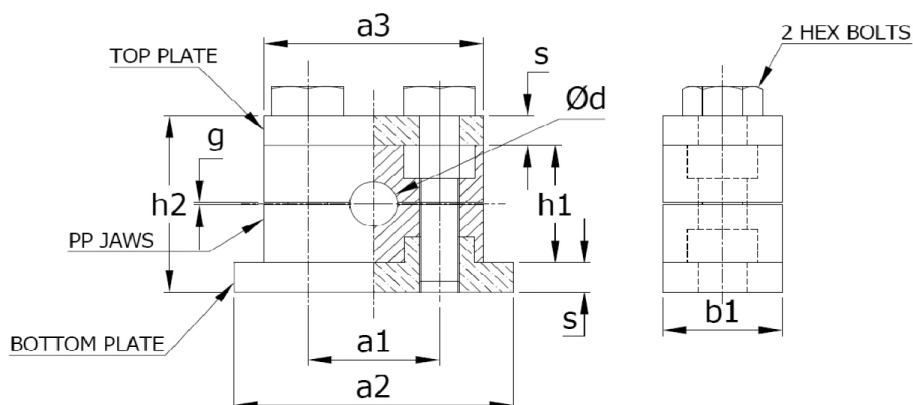


VE-LOCK

PIPE CLAMP - HEAVY SERIES

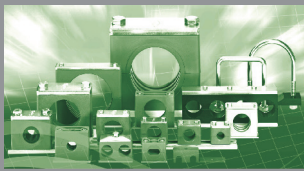
DIN 3015 - PART - 2

ALLUMINIUM TYPE



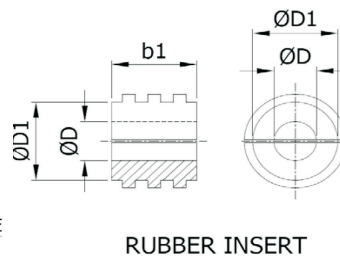
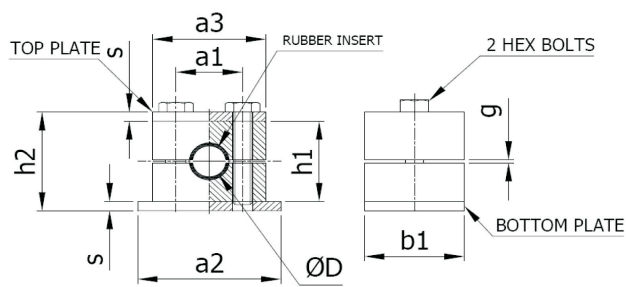
ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS (4.6 grade) + ONE PAIR OF ALUMINIUM JAWS

DIN GROUP	OUR PART CODE	PIPE OD Dia = d	a3	a1	h1	h2	g	b1	a2	S	BOLT SIZE
	Ve-Lock	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
1	ALPCH 6 MM	6	55	33	32	48 TO 49	0.6 TO 1 MM	30	72	8	M 10 x 45 MM
	ALPCH 6.4 MM	6.4									
	ALPCH 8 MM	8									
	ALPCH 9.5 MM	9.5									
	ALPCH 10 MM	10									
	ALPCH 12 MM	12									
	ALPCH 12.7 MM	12.7									
	ALPCH 13.5 MM	13.5									
	ALPCH 14 MM	14									
	ALPCH 15 MM	15									
	ALPCH 16 MM	16									
2	ALPCH 17.2 MM	17.2	70	45	48	64	0.8 TO 1 MM	30	86	8	M 10 x 60 MM
	ALPCH 18 MM	18									
	ALPCH 19 MM	19									
	ALPCH 20 MM	20									
	ALPCH 21.3 MM	21.3									
	ALPCH 22 M	22									
3	ALPCH 25 MM	25	85	60	60 TO 62	76 TO 78	0.8 TO 1 MM	30	100	8	M 10 x 70 MM
	ALPCH 26.9	26.9									
	ALPCH 28 MM	28									
	ALPCH 30 MM	30									
	ALPCH 32 MM	32									
4	ALPCH 33.7 MM	33.7	115	90	89 TO 92	109 TO 112	2 MM	50	140	10	M 12 x 100 MM
	ALPCH 35 MM	35									
	ALPCH 38 MM	38									
	ALPCH 42 MM	42									
	ALPCH 42 MM	42									
	ALPCH 48.3 MM	48.3									
5	ALPCH 50.8 MM	50.8	152	122	120 TO 122	137 TO 140	2 MM	65	180	10	M 16 x 130 MM
	ALPCH 60.3 MM	60.3									
	ALPCH 63.5 MM	63.5									
	ALPCH 65 MM	65									
6	ALPCH 70 MM	70	210	168	163 TO 168	193 TO 195	3 MM	80	230	16	M 20 x 180 MM
	ALPCH 73 MM	73									
	ALPCH 76.1 MM	76.1									
	ALPCH 88.9 MM	88.9									
7	ALPCH 102 MM	102	254	205	200	230 TO 232	3 MM	100	275	16	M 24 x 225 MM
	ALPCH 114 MM	114									
	ALPCH 127 MM	127									
	ALPCH 133 MM	133									
8	ALPCH 141 MM	141	323	265	270	320	3 MM	130	345	25	M 30 x 300 MM
	ALPCH 152 MM	152									
	ALPCH 168 MM	168									
	ALPCH 177.8 MM	177.8									
	ALPCH 193.7 MM	193.7	323	265	270	320	3 MM	130	345	25	M 30 x 300 MM
	ALPCH 216 MM	216									
	ALPCH 219 MM	219									



VE-LOCK

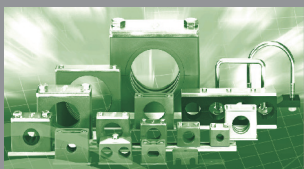
HEAVY DUTY CLAMPS WITH RUBBER INSERT



ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + ONE PAIRS OF PP JAWS + ONE PAIRS OF NBR RUBBER INSERT+ 2 HEX BOLTS

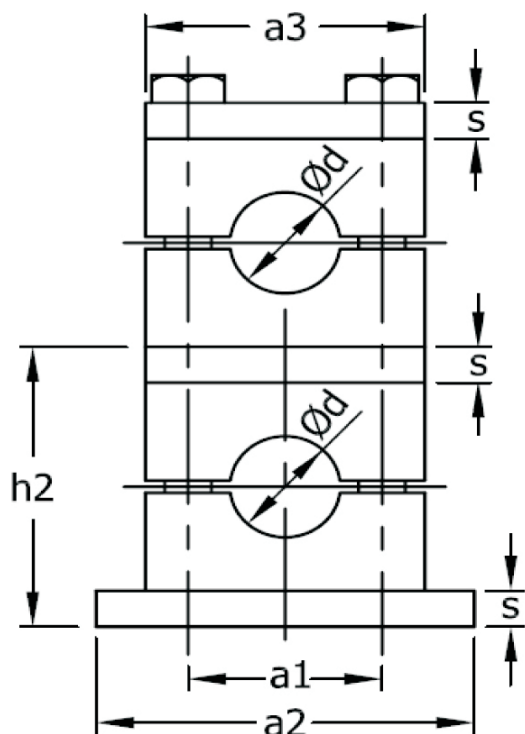
DIN GROUP	OUR PART CODE	PIPE OD Dia = D	Rubber OD & PP Jaws sizes, ØD1	a3	a1	h1	h2	g	b1	a2	S	BOLT SIZES
	Ve-Lock	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
2	PCH RI6 MM	6	25	70	45	47	64	0.6 TO 1MM	30	86	8	M10 x 60MM
	PCH RI6.4 MM	6.4										
	PCH RI8 MM	8										
	PCH RI9.5 MM	9.5										
	PCH RI10 MM	10										
	PCH RI12 MM	12										
	PCH RI12.7 MM	12.7										
	PCH RI13.5 MM	13.5										
	PCH RI14 MM	14										
	PCH RI15 MM	15										
	PCH RI16 MM	16										
	PCH RI17.2 MM	17.2										
	PCH RI18 MM	18										
	PCH RI19 MM	19										
3	PCH RI20 MM	20	38	85	60	62	76	0.6 TO 1MM	30	100	8	M10 x 70MM
	PCH RI21.3 MM	21.3										
	PCH RI22 M	22										
	PCH RI25 MM	25										
	PCH RI26.9	26.9										
	PCH RI28 MM	28										
	PCH RI30 MM	30										
	PCH RI32 MM	32										
4	PCH RI33.7 MM	33.7	64	115	90	92	107	2 MM	50	140	10	M 12 x 100 MM
	PCH RI35 MM	35										
	PCH RI38 MM	38										
	PCH RI42 MM	42										
	PCH RI42 MM	42										
	PCH RI48.3 MM	48.3										
5	PCH RI50.8 MM	50.8	88	152	122	122	137	2MM	65	180	10	M16 x 130
	PCH RI60.3 MM	60.3										
	PCH RI63.5 MM	63.5										
	PCH RI65 MM	65										
	PCH RI70 MM	70										
	PCH RI73 MM	73										
	PCH RI76.1 MM	76.1										
6	PCH RI88.9 MM	88.9	114	210	168	163	193	3 MM	80	230	16	M 20 x 180 MM

Other sizes and diameters are availabale on request.



VE-LOCK

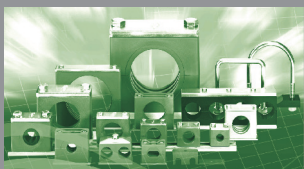
STANDARD SERIES TUBE CLAMPS DOUBLE LAYER VERTICAL TYPE



ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS + TWO PAIRS OF PP JAWS + 2 STACKING BOLTS + 1 LOCKING PLATE

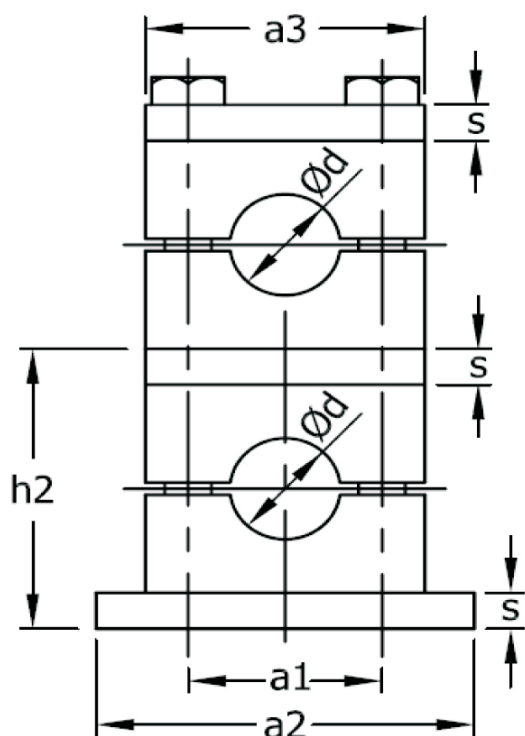
DIN GROUP	OUR PART CODE	PIPE OD Dia - d	a2	a3	a1	s	h2	HEX BOLT SIZE
	Ve-Lock	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	SIZE x LENGTH
1	PCL 4 MM x 2	4	43	37	20	3	33	M6 X 30 MM
	PCL 6 MM x 2	6						
	PCL 6.4 MM x 2	6.4						
	PCL 8 MM x 2	8						
	PCL 9.5 MM x 2	9.5						
	PCL 10 MM x 2	10						
	PCL 12 MM x 2	12						
2	PCL 12.7 MM x 2	12.7	48	42	26	3	39	M6 X 35 MM
	PCL 13.5 MM x 2	13.5						
	PCL 14 MM x 2	14						
	PCL 15 MM x 2	15						
	PCL 16 MM x 2	16						
	PCL 17.2 MM x 2	17.2						
	PCL 18 MM x 2	18						

Contd.



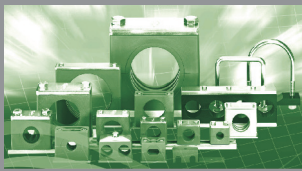
VE-LOCK

STANDARD SERIES TUBE CLAMPS DOUBLE LAYER VERTICAL TYPE



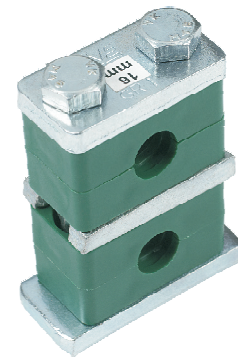
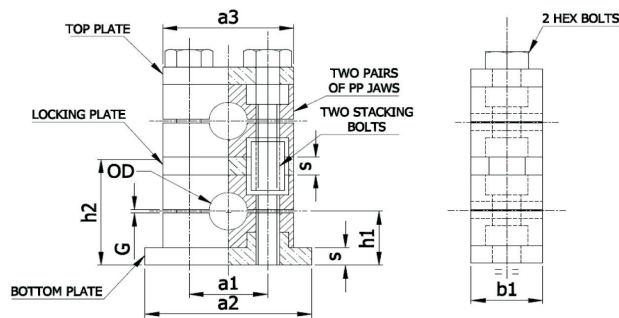
ONE SET = ONE TOP PLATE + ONE BOTTOM PLATE + 2 HEX BOLTS + TWO PAIRS OF PP JAWS + 2 STACKING BOLTS + 1 LOCKING PLATE

DIN GROUP	OUR PART CODE	PIPE OD Dia - d	a2	a3	a1	s	h2	HEX BOLT SIZE
	Ve-Lock	IN MM	IN MM	IN MM	IN MM	IN MM	IN MM	SIZE x LENGTH
3	PCL 19 MM x 2	19	56	50	33	3	42	M6 X 40 MM
	PCL 20 MM x 2	20						
	PCL 21.3 MM x 2	21.3						
	PCL 22 MM x 2	22						
	PCL 25 MM x 2	25						
4	PCL 26.9 MM x 2	26.9	65	59	40	3	48	M6 X 45 MM
	PCL 28 MM x 2	28						
	PCL 30 MM x 2	30						
5	PCL 32 MM x 2	32	77	71	52	3	64	M6 X 60 MM
	PCL 33.7 MM x 2	33.7						
	PCL 35 MM x 2	35						
	PCL 38 MM x 2	38						
	PCL 40 MM x 2	40						
6	PCL 42 MM x 2	42	92	86	66	3	72	M6 X 70 MM
	PCL 44.5 MM x 2	44.5						
	PCL 48.3 MM x 2	48.3						
7	PCL 50.8 MM x 2	50.8	122	118	94	5	103	M6 x 100 MM
	PCL 57.2 MM x 2	57.2						
	PCL 60.3 MM x 2	60.3						
	PCL 63.5 MM x 2	63.5						
	PCL 70 MM x 2	70						
	PCL 73 MM x 2	73						
	PCL 76.1 MM x 2	76.1						



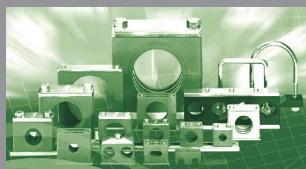
VE-LOCK

HEAVY SERIES TUBE CLAMPS DOUBLE LAYER VERTICAL TYPE DIN 3015 PART - 2



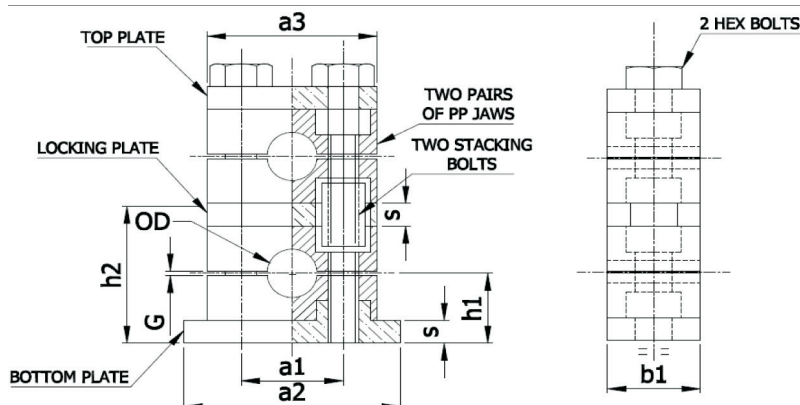
ONE SET = One Top Plate + One Bottom Plate + One Locking Plate + 2 stacking bolts + 2 hex bolts + 2 Set PP Jaws

DIN GROUP	OUR PART CODE	PIPE OD Dia = d	a3	a1	h1	h2	g	b1	a2	s	BOLT SIZE
	Ve-Lock Part Code	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
1	PCH 6 MM x 2	6	55	33	24	48	0.6 to 1 mm Min.	30	70	8	M 10 x 45 MM
	PCH 6.4 MM x 2	6.4									
	PCH 8 MM x 2	8									
	PCH 9.5 MM x 2	9.5									
	PCH 10 MM x 2	10									
	PCH 12 MM x 2	12									
	PCH 12.7 MM x 2	12.7									
	PCH 13.5 MM x 2	13.5									
	PCH 14 MM x 2	14									
	PCH 15 MM x 2	15									
	PCH 16 MM x 2	16									
2	PCH 17.2 MM x 2	17.2	70	45	32	64	0.6 to 1 mm Min.	30	85	8	M10 X 60 MM
	PCH 18 MM x 2	18									
	PCH 19 MM x 2	19									
	PCH 20 MM x 2	20									
	PCH 21.3 MM x 2	21.3									
	PCH 22 MM x 2	22									
	PCH 25 MM x 2	25									
3	PCH 26.9 MM x 2	26.9	85	76	38	76	0.6 to 1 mm Min.	30	100	8	M10 X 70 MM
	PCH 28 MM x 2	28									
	PCH 30 MM x 2	30									
	PCH 32 MM x 2	32									
	PCH 33.7 MM x 2	33.7									
	PCH 35 MM x 2	35									
4	PCH 38 MM x 2	38	120	90	52.5	105	2 MM MIN	45	140	10	M12 X 100 MM
	PCH 42 MM x 2	42									
	PCH 42 MM x 2	42									
	PCH 48.3 MM x 2	48.3									
	PCH 50.8 MM x 2	50.8									
	PCH 60.3 MM x 2	60.3									
5	PCH 63.5 MM x 2	63.5	152	122	70	140	2 MIN	60	180	10	M16 X 130 MM
	PCH 65 MM x 2	65									
	PCH 70 MM x 2	70									
	PCH 73 MM x 2	73									
6	PCH 76.1 MM x 2	76.1	210	168	97	193 TO 195	2 MM MIN	80	226	16	M20 X 190 MM
	PCH 88.9 MM x 2	88.9									
	PCH 102 MM x 2	102									
	PCH 114 MM x 2	114									
7	PCH 127 MM x 2	127	251	205	116	230 TO 232	3 MIN	90	270	16	M24 X 220 MM
	PCH 133 MM x 2	133									
	PCH 141 MM x 2	141									
8	PCH 152 MM x 2	152	336	265	160	320	3 MIN	120	340	25	M30 x 300 MM
	PCH 168 MM x 2	168									
	PCH 177.8 MM x 2	177.8									
	PCH 193.7 MM x 2	193.7									
	PCH 216 MM x 2	216	336	265	160	320	3 MIN	120	340	25	M30 x 300 MM
	PCH 219 MM x 2	219									

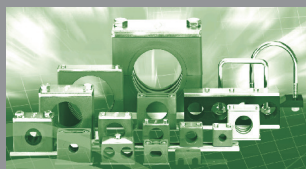


VE-LOCK

ALUMINIUM TUBE CLAMPS DOUBLE LAYER VERTICAL TYPE DIN 3015 PART - 3

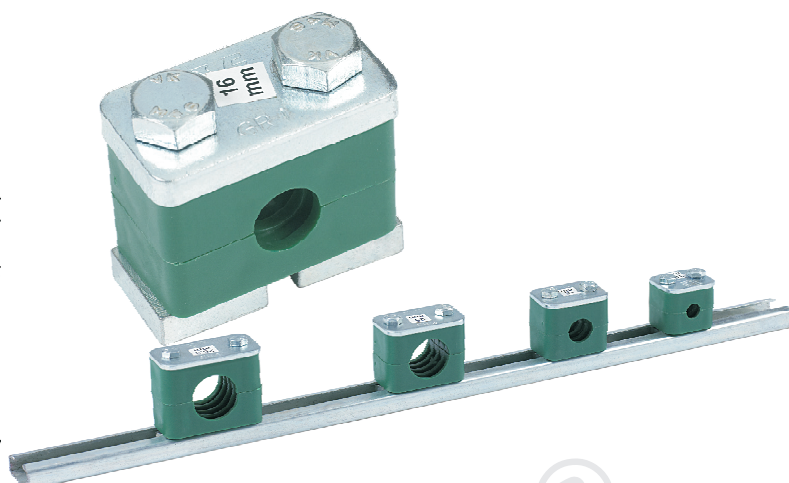
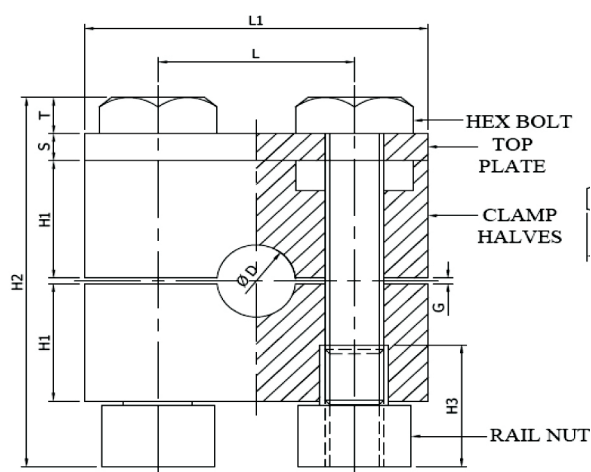


ONE SET = One Top Plate + One Bottom Plate + One Locking Plate + 2 stacking bolts + 2 hex bolts (4.6 grades) + 2 Set Aluminium Jaws											
DIN GROUP	OUR PART CODE	PIPE OD Dia = d	a3	a1	h1	h2	g	b1	a2	s	BOLT SIZE
1	Ve-Lock Part Code	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	in MM	Size X Length
	ALPCH 6 MM x 2	6	55	33	24	48	0.6 to 1 mm Min.	30	70	8	M 10 x 45 MM
	ALPCH 6.4 MM x 2	6.4									
	ALPCH 8 MM x 2	8									
	ALPCH 9.5 MM x 2	9.5									
	ALPCH 10 MM x 2	10									
	ALPCH 12 MM x 2	12									
	ALPCH 12.7 MM x 2	12.7									
	ALPCH 13.5 MM x 2	13.5									
	ALPCH 14 MM x 2	14									
	ALPCH 15 MM x 2	15									
	ALPCH 16 MM x 2	16									
	ALPCH 17.2 MM x 2	17.2									
	ALPCH 18 MM x 2	18									
2	ALPCH 19 MM x 2	19	70	45	32	64	0.6 to 1 mm Min.	30	85	8	M10 X 60 MM
	ALPCH 20 MM x 2	20									
	ALPCH 21.3 MM x 2	21.3									
	ALPCH 22 MM x 2	22									
	ALPCH 25 MM x 2	25									
	ALPCH 26.9 MM x 2	26.9									
3	ALPCH 28 MM x 2	28	85	76	38	76	0.6 to 1 mm Min.	30	100	8	M10 X 70 MM
	ALPCH 30 MM x 2	30									
	ALPCH 32 MM x 2	32									
	ALPCH 33.7 MM x 2	33.7									
	ALPCH 35 MM x 2	35									
	ALPCH 38 MM x 2	38									
4	ALPCH 42 MM x 2	42	120	90	52.5	105	2 MM MIN	45	140	10	M12 X 100 MM
	ALPCH 48.3 MM x 2	48.3									
	ALPCH 50.8 MM x 2	50.8									
	ALPCH 60.3 MM x 2	60.3									
	ALPCH 63.5 MM x 2	63.5									
5	ALPCH 65 MM x 2	65	152	122	70	140	2 MM MIN	60	180	10	M16 X 130 MM
	ALPCH 70 MM x 2	70									
	ALPCH 73 MM x 2	73									
	ALPCH 76.1 MM x 2	76.1									
6	ALPCH 88.9 MM x 2	88.9	210	168	97	183 TO 195	2 MM MIN	80	226	16	M20 X 190 MM
	ALPCH 102 MM x 2	102									
	ALPCH 114 MM x 2	114									
	ALPCH 127 MM x 2	127									
7	ALPCH 133 MM x 2	133	251	205	116	230 TO 232	3 MM MIN	90	270	16	M24 X 220 MM
	ALPCH 141 MM x 2	141									
	ALPCH 152 MM x 2	152									
	ALPCH 168 MM x 2	168									
8	ALPCH 177.8 MM x 2	177.8	336	265	160	320	3 MM MIN	120	340	25	M30 x 300 MM
	ALPCH 193.7 MM x 2	193.7									
	ALPCH 216 MM x 2	216									
	ALPCH 219 MM x 2	219									



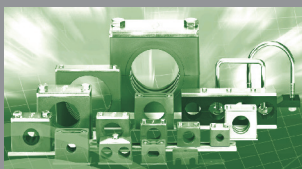
VE-LOCK

RAIL MOUNTED LIGHT SERIES TUBE CLAMPS - DIN 3015 STANDARD PART - 1



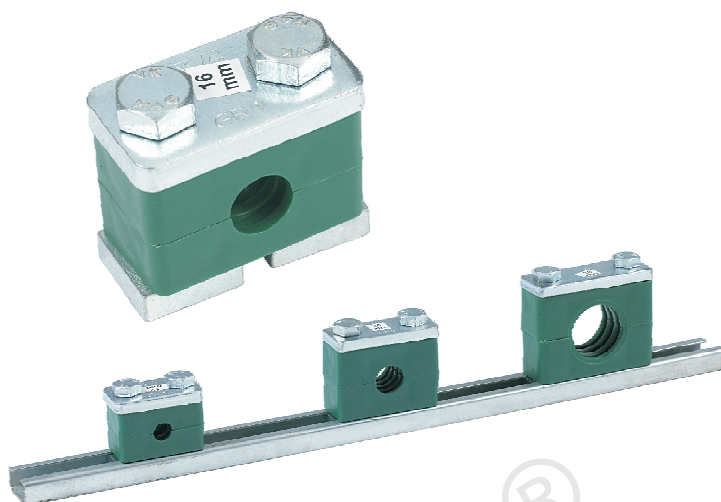
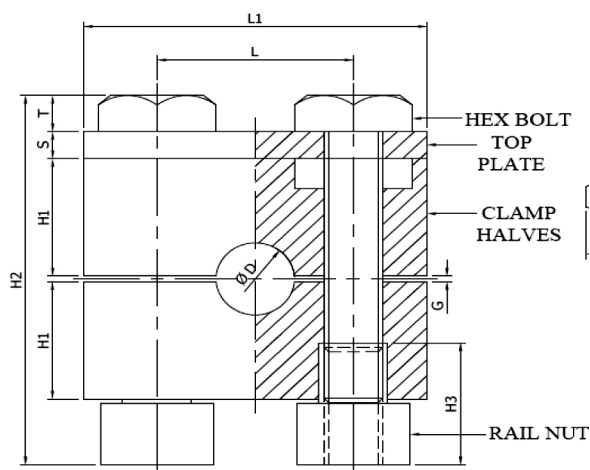
One Set = One Top Plate + 2 Rail Nuts + 2 Clamp Halves + 2 Hex headed Bolts

DIN / VE GROUP	PIPE OD dia = d	T	S	G	H1	H2	L	L1	H3	L3	Bolt Size
1	6	4.0	3.0	0.4 -0.6	13.0	40.0	20.0	35.0	13.5	25.0	M6X 30
	6.4										
	8										
	9.5										
	10										
	12										
2	12.7	4.0	3.0	0.4 -0.6	16.0	45.0	26	42	13.5	25.0	M6 X 35
	13.5										
	14										
	15										
	16										
	17.2										
3	18	4.0	3.0	0.4 -0.6	18.0	50.0	33	50	13.5	25.0	M6 X 40
	19										
	20										
	21.3										
4	22	4.0	3.0	0.4 -0.6	20.0	53.0	40	59	13.5	25.0	M6 X 45
	25										
	26.9										
5	28	4.0	3.0	0.8 -1.0	29.0	70.0	52	71	13.5	25.0	M6 X 65
	30										
	32										
	33.7										
	35										
	38										
6	40	4.0	3.0	0.8 -1.0	31.0	75.0	66	86	13.5	25.0	M6 X 70
	42										
	48.3										
7	50.8	4.0	3.0	0.8 -1.0	46.0	105.0	94	121	13.5	25.0	M6 X 100
	60.3										
	63.5										
	73										
	76.1										



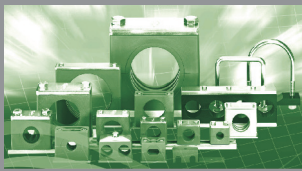
VE-LOCK

RAIL MOUNTED HEAVY SERIES TUBE CLAMPS - DIN 3015 HEAVY - PART - 2



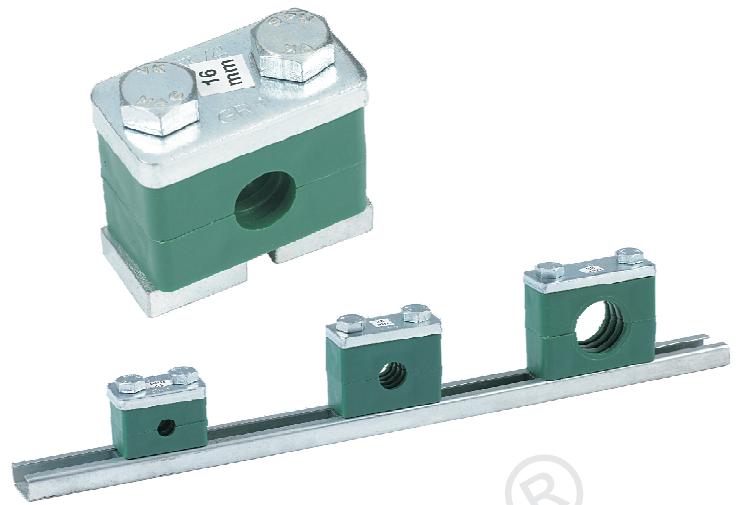
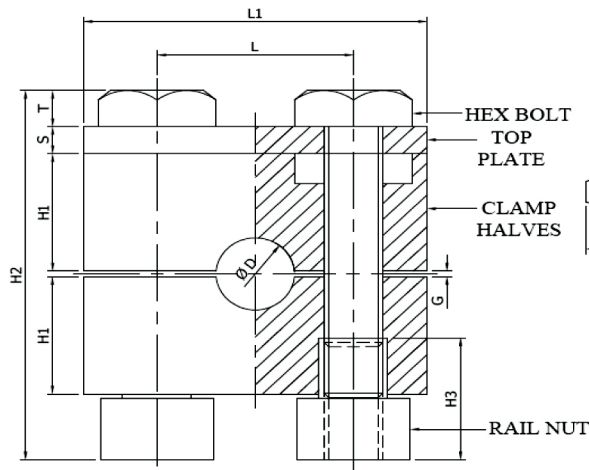
One Set = One Top Plate + 2 Rail Nuts + 2 Clamp Halves + 2 Hex headed Bolts

DIN / VE GROUP	OUR PART CODE	PIPE OD Dia = d	T	S	G	H1	H2	L	L1	H3	L3	BOLT SIZE
1	PCH RN 6 MM	6	7	8	0.6 TO 1 MM	16	55	33	55	21	24	M10 X 45
	PCH RN 6.4 MM	6.4										
	PCH RN 8 MM	8										
	PCH RN 9.5 MM	9.5										
	PCH RN 10 MM	10										
	PCH RN 12 MM	12										
	PCH RN 12.7 MM	12.7										
	PCH RN 13.5 MM	13.5										
	PCH RN 14 MM	14										
	PCH RN 15 MM	15										
	PCH RN 16 MM	16										
	PCH RN 17.2 MM	17.2										
	PCH RN 18 MM	18										
2	PCH RN 19 MM	19	7	8	0.6 TO 1 MM	24		45	70	21	24	M10 X 60
	PCH RN 20 MM	20										
	PCH RN 21.3 MM	21.3										
	PCH RN 22 M	22										
	PCH RN 25 MM	25										
	PCH RN 26.9	26.9										
	PCH RN 28 MM	28										
3	PCH RN 30 MM	30	7	8	0.6 TO 1 MM	30		60	85	21	24	M10 X 70
	PCH RN 32 MM	32										
	PCH RN 33.7 MM	33.7										
	PCH RN 35 MM	35										
	PCH RN 38 MM	38										
	PCH RN 42 MM	42										
4	PCH RN 42 MM	42	8	10	2 MM	44		90	115	23	24	M12 X 100
	PCH RN 48.3 MM	48.3										
	PCH RN 50.8 MM	50.8										
	PCH RN 60.3 MM	60.3										
	PCH RN 63.5 MM	63.5										
	PCH RN 65 MM	65										



VE-LOCK

RAIL MOUNTED HEAVY SERIES TUBE CLAMPS - DIN 3015 HEAVY - PART - 2



One Set = One Top Plate + 2 Rail Nuts + 2 Clamp Halves + 2 Hex headed Bolts

DIN / VE GROUP	OUR PART CODE	PIPE OD Dia = d	T	S	G	H1	H2	L	L1	H3	L3	BOLT SIZE
5	PCH 70 MM	70	10	10	2 MM	58		122	152	23	31	M 16 x 130
	PCH 73 MM	73										
	PCH 76.1 MM	76.1										
	PCH 88.9 MM	88.9										
6	PCH 102 MM	102	13	16	3 MM	77		168	206	28	34.4	M 20 x 180
	PCH 114 MM	114										
	PCH 127 MM	127										
	PCH 133 MM	133										
7	PCH 141 MM	141	15	16	3 MM	100		200	251	N/A	N/A	M 24 x 225
	PCH 152 MM	152										
	PCH 168 MM	168										
8	PCH 177.8 MM	177.8	18	25	3 MM	135		270	336	N/A	N/A	M 30 x 300
	PCH 193.7 MM	193.7										
	PCH 216 MM	216										
	PCH 219 MM	219										



VE-LOCK

STANDARD DUTY RAIL CHANNEL 1.6 m.m. THICKNESS

1	2	3	4	5	6	7	8	9	10	11	12
IF IN DOUBT ASK TO DESIGN DEPT. DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED. REMOVES ALL BURRS AND SHARP CORNERS. ALL DIMENSIONS ARE IN MM. PREFER SURFACE ROUGHNESS $\sqrt{3.2}$ IF NOT SPECIFIED.											
INDEX								ZONE		DETAILS OF CHANGES	
										APPROVED	
										DATE	

TS11	TS14	TS30
A = 8.0	A = 8.0	A = 8.0
B = 8.0	B = 8.0	B = 8.0
C = 11.0	C = 11.0	C = 11.0
W = 27.0	W = 27.0	W = 27.0
H = 11.0	H = 14.0	H = 30.0
T = 1.6 THICK	T = 1.6 THICK	T = 1.6 THICK
S = 8	S = 8.0	S = 27.0
L = 1 MITER LONG	L = 1 MITER LONG	L = 1 MITER LONG

This drawing is the property of Veinor Engineering. No part of this drawing should be copied or reproduced without written approval from Veinor Engineering.



VE-LOCK

STANDARD DUTY RAIL CHANNEL 2 m.m. THICKNESS

1	2	3	4	5	6	7	8	9	10	11	12																											
IF IN DOUBT ASK TO DESIGN DEPT DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED REMOVES ALL BURRS AND SHARP CORNERS ALL DIMENSIONS ARE IN MM PREFER SURFACE ROUGHNESS $\sqrt{}$, IF NOT SPECIFIED																																						
INDEX								DETAILS OF CHANGES		APPROVED																												
ZONE										DATE																												
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>Side View Dimensions: L, W, H</p> </div> <div style="text-align: center;"> <p>Cross-section Dimensions: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z</p> </div> </div>																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">TS11</th> <th style="width: 33%;">TS14</th> <th style="width: 33%;">TS30</th> </tr> </thead> <tbody> <tr> <td>A = 8.5</td> <td>A = 8.5</td> <td>A = 8.5</td> </tr> <tr> <td>B = 8.5</td> <td>B = 8.5</td> <td>B = 8.5</td> </tr> <tr> <td>C = 11.0</td> <td>C = 11.0</td> <td>C = 11.0</td> </tr> <tr> <td>W = 28.0</td> <td>W = 28.0</td> <td>W = 28.0</td> </tr> <tr> <td>H = 11.0</td> <td>H = 14.0</td> <td>H = 30.0</td> </tr> <tr> <td>T = 2.0 THICK</td> <td>T = 2.0 THICK</td> <td>T = 2.0 THICK</td> </tr> <tr> <td>S = 7</td> <td>S = 10.0</td> <td>S = 26.0</td> </tr> <tr> <td>L = 1 MITER LONG</td> <td>L = 1 MITER LONG</td> <td>L = 1 MITER LONG</td> </tr> </tbody> </table>												TS11	TS14	TS30	A = 8.5	A = 8.5	A = 8.5	B = 8.5	B = 8.5	B = 8.5	C = 11.0	C = 11.0	C = 11.0	W = 28.0	W = 28.0	W = 28.0	H = 11.0	H = 14.0	H = 30.0	T = 2.0 THICK	T = 2.0 THICK	T = 2.0 THICK	S = 7	S = 10.0	S = 26.0	L = 1 MITER LONG	L = 1 MITER LONG	L = 1 MITER LONG
TS11	TS14	TS30																																				
A = 8.5	A = 8.5	A = 8.5																																				
B = 8.5	B = 8.5	B = 8.5																																				
C = 11.0	C = 11.0	C = 11.0																																				
W = 28.0	W = 28.0	W = 28.0																																				
H = 11.0	H = 14.0	H = 30.0																																				
T = 2.0 THICK	T = 2.0 THICK	T = 2.0 THICK																																				
S = 7	S = 10.0	S = 26.0																																				
L = 1 MITER LONG	L = 1 MITER LONG	L = 1 MITER LONG																																				

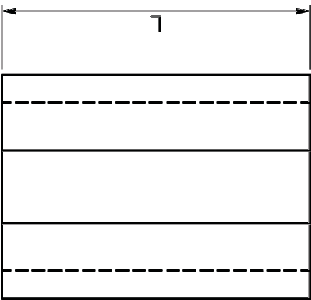
This drawing is the property of
Vadimov Engineering
No part of this drawing should
be copied or reproduced without
written approval from Vadimov
Engineering



VE-LOCK

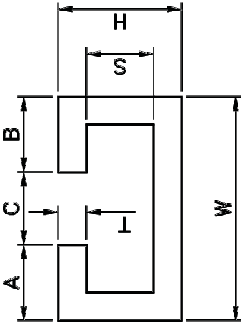
HEAVY DUTY RAIL CHANNEL 3 m.m. THICKNESS

1	2	3	4	5	6	7	8	9	10	11	12		
IF IN DOUBT ASK TO DESIGN DEPT. DO NOT SCALE THE DRAWING UNLESS OTHERWISE STATED REMOVES ALL BURRS AND SHARP CORNERS								ALL DIMENSIONS ARE IN MM. PREFER SURFACE ROUGHNESS $\sqrt{3.2}$ IF NOT SPECIFIED					
INDEX								DETAILS OF CHANGES				APPROVED	DATE



L

W




A B C H S T

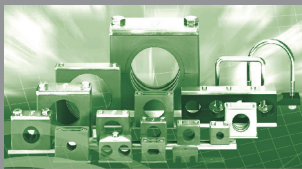
W

A = 13.5
 B = 13.5
 C = 13.0
 H = 22.0
 S = 12.0
 T = 5.0 THICK
 L = 1 MITER LONG
 W = 40.0

MOC = STEEL.



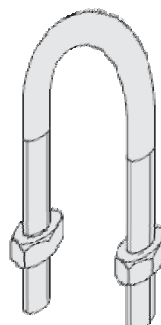
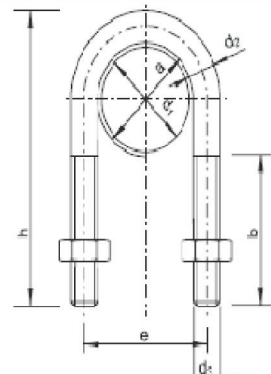
This drawing is the property of
 Veilmann Engineering
 No part of this drawing should
 be copied or reproduced without
 written approval from Veilmann
 Engineering



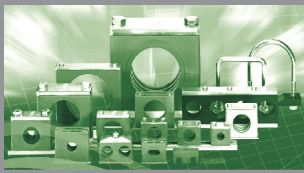
VE-LOCK

U-BOLT CLAMPS DIN 3570

ORDER CODE		
Steel	UBC -GS	
Galvanized Steel	UBC -GS	
Stainless Steel 1.4301	UBC -304	
Stainless Steel 1.4571	UBC-316	
Nominal	for tube	Tube-mm
Size-mm	NB	d1
15	3/8"	17,2
	1/2"	21,3
20	3/4"	25
		26,9
25	1"	30
		33,7
32	1 1/4"	38
		42,4
40	1 1/2"	44,5
		48,3
50	2"	57
		60,3
65	2 1/2"	76,1
80	3"	88,9
		108
100	4"	114,3
		133
125	5"	139,7
		159
150	6"	168,3
175		193,7
		216
200	8"	219,1
		267
250	10"	273
		318
300	12"	323,9
		355,6
350	14"	368
		406,4
400	16"	419
		508
500	20"	521

			
---	--	---	--

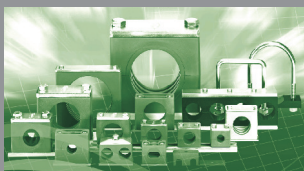
Order codes	a	b	d2	d3	e	h
UBC -2S	a	b	d2	d3	e	h
UBC-2S - 15/24	24	30	10	M 10	34	60
UBC-2S - 20/30	30	40			76	
UBC-2S - 25/38	38	48			76	
UBC-2S - 32/46	46	56	86			
UBC-2S - 40/52	52	62	92			
UBC-2S - 50/64	64	76	109			
UBC-2S - 65/82	82	94	125			
UBC-2S - 80/94	94	106	138			
UBC-2S - 100/120	120	136	171			
UBC-2S - 125/148	148	164	191			
UBC-2S - 150/176	176	192	217			
UBC-2S - 175/202	202	218	249			
UBC-2S - 200/228	228	248	283			
UBC-2S - 250/282	282	302	334			
UBC-2S - 300/332	332	352	385			
UBC-2S - 350/378	378	402	435			
UBC-2S - 400/428	428	452	487			
UBC-2S - 500/530	530	554	589			



VE-LOCK

ORDER CODES DIMENSIONS MOUNTING EXAMPLES

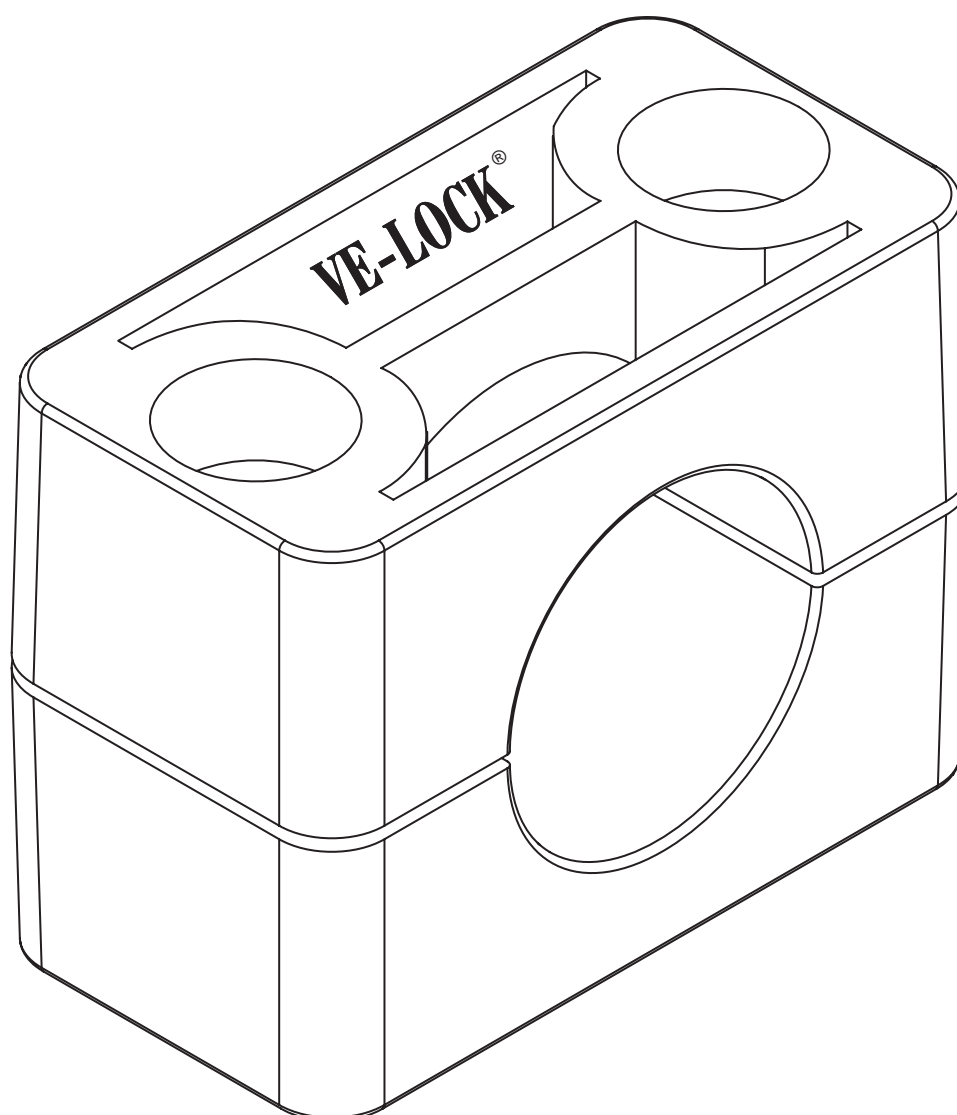
- PIPE CLAMPS
- PIPE CLAMP - STANDARD SERIES
- PIPE CLAMP - HEAVY SERIES
- PIPE CLAMP - TWIN SERIES
- PIPE CLAMP WITH RUBBER BUSHING
- PIPE CLAMP FOR TWIN ADJACENT PIPES
- PIPE CLAMP WITH SPACED PLATES
- PIPE CLAMP WITH MOUNTING RAILS
- SPECIAL CLAMP
- PIPE CLAMP HEAVY SERIES TWIN DESIGN
- PIPE CLAMP STANDARD SERIES SPECIAL PURPOSE
- SPECIAL CLAMPS FOR INDUSTRIAL ELECTRICAL APPLICATIONS
- PIPE CLAMP HEAVY WEIGHT SERIES
- U-BOLT CLAMPS
- SQUARED U-BOLT CLAMPS



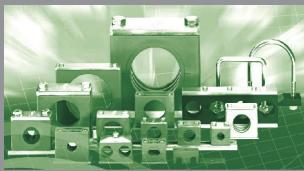
VE-LOCK

STANDARD SERIES CLAMPS

- Order Codes _____
- Dimensions _____
- Mounting Example _____

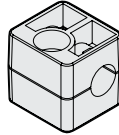
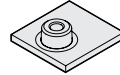
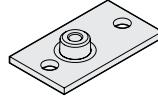
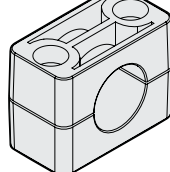
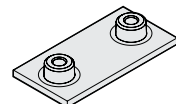
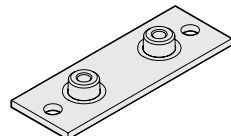


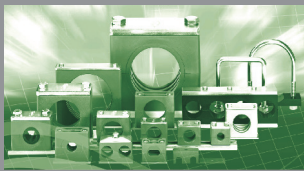
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

PIPE CLAMP - STANDARD SERIES ORDER CODES

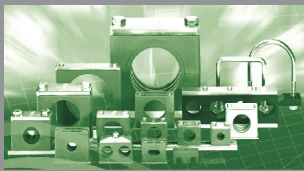
PIPE CLAMPS MATERIAL				Clamp body (two clamp halves) PCL		Single weld plate SWP		Elongated weld plate (with screw) EWP		
Code PP : Polypropylene material Colour Green NB: other colours on demand.				 TYPE 1A		 TYPE 1A		 TYPE 1A		
Code PA : Polyamide material Colour Black .										
Code GM : Rubber NBR material Colour Black										
Internal surface clamp body Knurled from 1A to type or profiled .										
Code A : Aluminium material Colour Natural Internal surface clamp body profiled .				 TYPE 1-8		 TYPE 1-8		 TYPE 1-8		
For Dimensions see pages 7-9. For material characteristics.										
Components description				# # - ##, ## - ##		#		#		
VE-LOCK / DIN GROUP	O.D. of Pipe/Tube/Hose			Code VE-LOCK Type	Outside diameter in mm	Material of clamp body	Single weld plate carbon steel S3360 and ANSI 316L Type	Type of thread	Elongated weld plate carbon steel S3360 and ANSI 316L Type	Type of thread
	in mm	nominal bore pipe in inch	in inch							
1A	6			PCL1A	6	##	SWP1A	M6	EWP1A	M6
	6,35		1/4"	PCL1A	6,35	##				
	8		5/16"	PCL1A	8	##				
	9,52		3/8"	PCL1A	9,52	##				
	10	1/8"		PCL1A	10	##				
	12			PCL1A	12	##				
1	12,7			PCL1A	12,7	##	SWP1	M6	EWP1	M6
	6			PCL1	6	##				
	6,35		1/4"	PCL1	6,35	##				
	8		5/16"	PCL1	8	##				
	9,52		3/8"	PCL1	9,52	##				
	10	1/8"		PCL1	10	##				
2	12			PCL1	12	##	SWP2	M6	EWP2	M6
	12,7		1/2"	PCL2	12,7	##				
	13,5	1/4"		PCL2	13,5	##				
	14			PCL2	14	##				
	15			PCL2	15	##				
	16		5/8"	PCL2	16	##				
3	17,2	3/8"		PCL2	17,2	##	SWP3	M6	EWP3	M6
	18			PCL2	18	##				
	19		3/4"	PCL3	19	##				
	20			PCL3	20	##				
	21,3	1/2"		PCL3	21,3	##				
	22		7/8"	PCL3	22	##				
4	23			PCL3	23	##	SWP4	M6	EWP4	M6
	25			PCL3	25	##				
	25,4		1"	PCL3	25,4	##				
	26,9	3/4"		PCL4	26,9	##				
	28			PCL4	28	##				
	29			PCL4	30	##				
5	30			PCL4	30	##	SWP5	M6	EWP5	M6
	32		1.1/4"	PCL4	32	##				
	32		1.1/4"	PCL5	32	##				
	33,7	1"		PCL5	33,7	##				
	35			PCL5	35	##				
	38		1.1/2"	PCL5	38	##				
6	40			PCL5	40	##	SWP6	M6	EWP6	M6
	42,4	1.1/4"		PCL5	42,4	##				
	45			PCL5	45	##				
	44,5		1.3/4"	PCL6	44,5	##				
	45	1.1/2"		PCL6	45	##				
	48,3			PCL6	48,3	##				
7	50			PCL6	50	##	SWP7	M6	EWP7	M6
	50,8		2"	PCL6	50,8	##				
	53			PCL6	53	##				
	54	1.3/4"		PCL6	54	##				
	57,2		2.1/4"	PCL7	60,3	##				
	60,3	2"		PCL7	63,5	##				
8	63,5		2.1/4"	PCL7	66	##	SWP8	M6	EWP8	M6
	66			PCL7	70	##				
	70		2.3/4"	PCL7	73	##				
	73			PCL7	76,1	##				
	76,1	2.1/2"	3"	PCL7	76,1	##				
	88,9	3"	3.1/2"	PCL8	88,9	##				
	102	3.1/2"	4"	PCL8	102	##				



VE-LOCK

PIPE CLAMP - STANDARD SERIES ORDER CODES



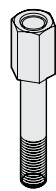
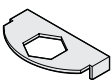
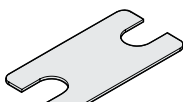
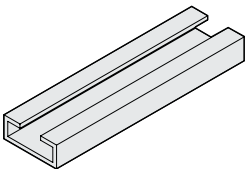
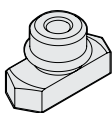
Twin weld plate TWP		Multiple weld plate MWP		Top plate TOP	Hexagon head bolt HB		Bushing B	Hexagon head bolt HB		Allen cap screw ACB	
 TYPE 1A TYPE 1-6		 TYPE 1A TYPE 1-6		 TYPE 1A TYPE 1-8	With upper Plate Ps En ISO 4014 / 4017 		No upper Plate for use with hexagon bolt vcb 	For use with bushing b 		En ISO 4762 	
#		#			#			#		#	
Twin weld plate S3360 and AISI 316L Type	Type of thread	Multiple weld plate S3360 and AISI 316L Type	Type of thread	Upper plate S3360 and AISI 316L Type	Hexagon head bolt Steel 8.8 and A4 Type	Type of thread	Bushing Steel Lead and AISI 316L	Hexagon head bolt Steel and A4 Type	Type of thread	Socket cap screw Steel and A4 Type	Type of thread
TWP1A	M6	MWP1A	M6	TP1A	HB1A	(M6x30)	BUSH For clamps PLL1A to PCL6 and GR-1A to GR-6	HBB1A	(M6x27)	ACS1A	(M6x20)
TWP1	M6	MWP1	M6	TP1	HB1	(M6x30)		HBB1	(M6x27)	ACS1	(M6x20)
TWP2	M6	MWP2	M6	TP2	HB2	(M6x35)		HBB2	(M6x32)	ACS2	(M6x25)
TWP3	M6	MWP3	M6	TP3	HB3	(M6x40)		HBB3	(M6x35)	ACS3	(M6x30)
TWP4	M6	MWP4	M6	TP4	HB4	(M6x45)		HBB4	(M6x42)	ACS4	(M6x35)
TWP5	M6	MWP5	M6	TP5	HB5	(M6x60)		HBB5	(M6x57)	ACS5	(M6x50)
TWP6	M6	MWP6	M6	TP6	HB6	(M6x70)		HBB6	(M6x65)	ACS6	(M6x60)
---		---		TP7	HB7	(M6x100)	---	---		ACS7	(M6x90)
---		---		TP8	HB8	(M6x125)	---	---		ACS8	(M6x110)



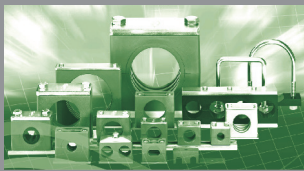
VE-LOCK

PIPE CLAMP - STANDARD SERIES

ORDER CODES

Flat washer	Safety washer	Stacking Bolt	Locking plate	Mounting rail MR	Rail nut	
For use with screw 	For use with hexagon head bolt ISO 4759/3a 	For overlapped clamps 	For overlapped clamps  TYPE 1A  TYPE 1-8			
FW	SW	SB	LP	MR	RN	#
Flat washer S360 and A4	Safety washer S360 and A4	High hexagon head bolt Steel lead and AISI 316L Type	Locking plate S360 and AISI 316L Type	Mounting rail Steel and AISI 316L	Rail Nut	Type of thread
FW for clamps PCL1A to PCL 8 and GR-1A to GR-8	SW for clamps PCL1A to PCL 8 and GR-1A to GR-8	SB1A	M6	MR Available heights 11.14 and 30mm Available lengths 1mt / 2mt	RN for clamps GR-1A to GR-8	M6
		SB1	M6			
		SB2	M6			
		SB3	M6			
		SB4	M6			
		SB5	M6			
		SB6	M6			
		SB7	M6			
		SB8	M6			
			LP1			
			LP2			
			LP3			
			LP4			
			LP5			
			LP6			
			LP7			
			LP8			

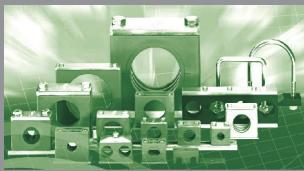




VE-LOCK

PIPE CLAMPS - STANDARD SERIES DIMENSION

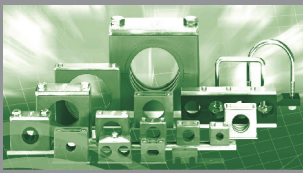
Twin weld plate TWP									Multiple weld plate MWP									Top Plate TOP					Hexagon head bolt HB		Bushing B			Hexagon head bolt HBB			
<p>TYPE 1</p> <p>TYPE 1-6</p>									<p>TYPE 1</p> <p>TYPE 1-6</p>									<p>TYPE 1</p> <p>TYPE 1-7</p>					<p>iso 4014 / 4017</p> <p>for uPPER Pla TE Ps</p>					<p>for usE wiTh bushing b</p>			
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		Steel lead c. B St. AISI 316L code XB			Steel 8.8 c. VEB Stainless st. A4 code XVEB			
Code Ve-lock	L1	L2	L3	B	S	H	ØD		Code Ve-lock	L1	L2	L3	B	S	H	ØD		Code Ve-lock	L1	L2	B	S	ØD	Code Ve-lock	D x L	Code Ve-lock	D1	D2	H	Code Ve-lock	D x L
TWP 1A	64	30	30	30	3	6,5	12		MWP 1A	304	30	30	30	4	6,5	12		TP 1A	28	7	30	3	7	HB1A	M6x30	B	11,5	6,5	8	HBB1A	M6x27
TWP 1	79	20	38	30	3	6,5	12		MWP 1	384	20	38	30	4	6,5	12		TP 1	35	20	30	3	7	HB1	M6x30					HBB1	M6x27
TWP 2	91	26	44	30	3	6,5	12		MWP 2	443	26	44	30	4	6,5	12		TP 2	41	26	30	3	7	HB2	M6x35					HBB2	M6x32
TWP 3	105	33	51	30	3	6,5	12		MWP 3	513	33	51	30	4	6,5	12		TP 3	48	33	30	3	7	HB3	M6x40					HBB3	M6x35
TWP 4	121	40	60	30	3	6,5	12		MWP 4	301	40	60	30	4	6,5	12		TP 4	56,5	40	30	3	7	HB4	M6x45					HBB4	M6x42
TWP 5	148	75	30	30	3	6,5	12		MWP 5	373	52	75	30	4	6,5	12		TP 5	70	52	30	3	7	HB5	M6x60					HBB5	M6x57
TWP 6	177	66	90	30	3	6,5	12		MWP 6	447	66	90	30	4	6,5	12		TP 6	85,5	66	30	3	7	HB6	M6x70					HBB6	M6x65
---									---									TP 7	118	94	30	5	7	HB7	M6x100	---			---		
---									---									TP 8	144	120	30	5	7	HB8	M6x125	---			---		



VE-LOCK

PIPE CLAMPS - STANDARD SERIES DIMENSION

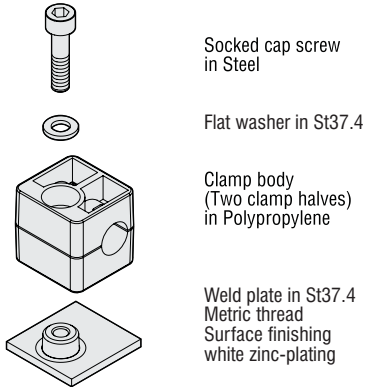
Allen cap screw ACS	Flat washer FW	Safety washer SW	Stacking Bolt SB	Locking plate LP	Mounting rail MR	Rail nut RN																							
<i>iso 4762</i> 		<i>iso 4759 / 3a</i> 																											
Steel 8.8 c.TCEI Stainless steel AISI 316L code XTCEI	Carbon steel St360 code RP Stainless steel AISI 316L c. XRP	Carbon steel St360 code RS Stainless steel A4 code XRS	Steel lead 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 Stainless st. AISI 316L code XDF																							
Ve-lock Code	D x L	Ve-lock Code	ØD	ØD1	S	Ve-lock Code	ØD	Ve-lock Code	D	L1	L2	L3	CH	Ve-lock Code	L	B1	B2	S	Ve-lock Code	B1	B2	S	Ve-lock Code	L	B	H1	H2	ØD	AG
ACS for clamps GR-1A to GR-8	M6x20	FW	11,5	6,3	0,8	SW	6,4	SB1A	M6	34	20	14	10	LP1A	17	32	11,2	1	MR	28	11	2	RN	25	10,4	13,5	5,5	11,8	10x2
	M6x20							SB1	M6	34	20	14	10	LP1	33	28	10,5	1											
	M6x25							SB2	M6	39	25	14	10	LP2	39	28	10,5	1											
	M6x30							SB3	M6	43	29	14	10	LP3	47	28	10,5	1											
	M6x35							SB4	M6	49	35	14	10	LP4	54	28	10,5	1											
	M6x50							SB5	M6	64	49	15	10	LP5	66	28	10,5	1											
	M6x60							SB6	M6	73	59	14	10	LP6	80,3	28	10,5	1											
	M6x90							SB7	M6	99	85	14	10	LP7	117	28	10,5	1											
	M6x110							SB8	M6	124	110	14	10	LP8	143	28	10,5	1											



VE-LOCK

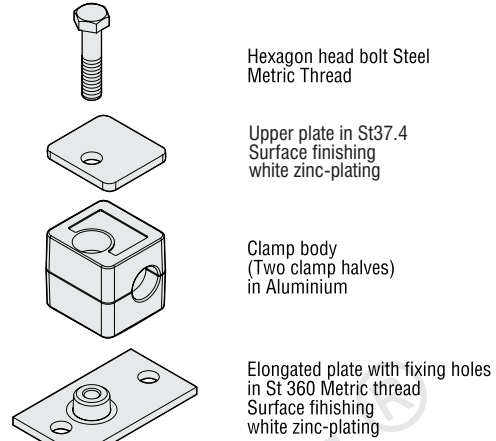
PIPE CLAMPS - STANDARD SERIES MOUNTING EXAMPLE

Mounting Example of complete clamp GR-1A type in Polypropylene for pipe with outside diameter of 12mm with single weld plate.



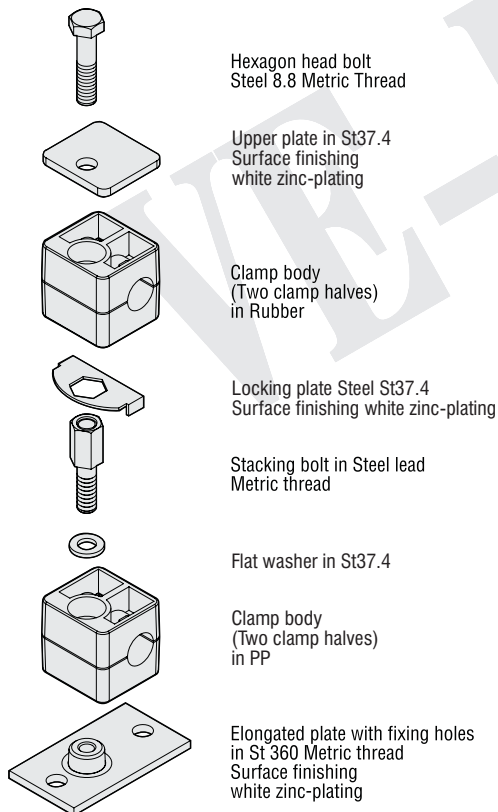
(ON DEVELOPMENT)

Mounting Example of complete PP clamp GR-1A type for pipe with outside diameter of 12mm with elongated plate with fixing holes and upper plate.



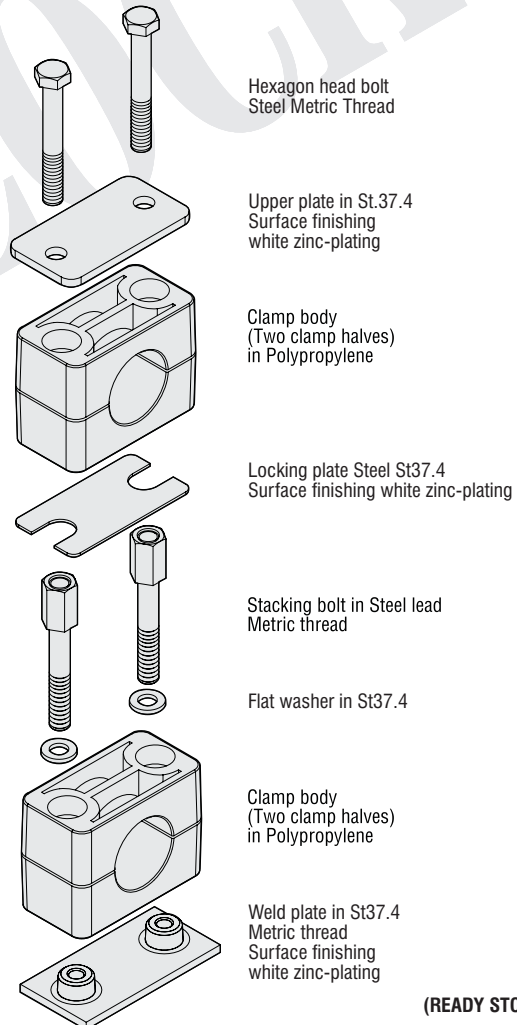
(ON DEVELOPMENT)

Mounting Example of complete stacked clamp GR-1A in PP for pipe with outside of 12mm, elongated plate with fixing holes and upper plate.

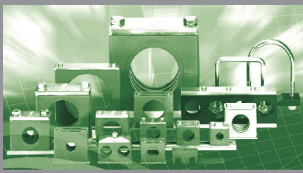


(ON DEVELOPMENT)

Mounting Example of complete stacked clamp GR-1 to 8 in Polypropylene for pipe with outside diameter of 30mm single weld plate and upper plate.



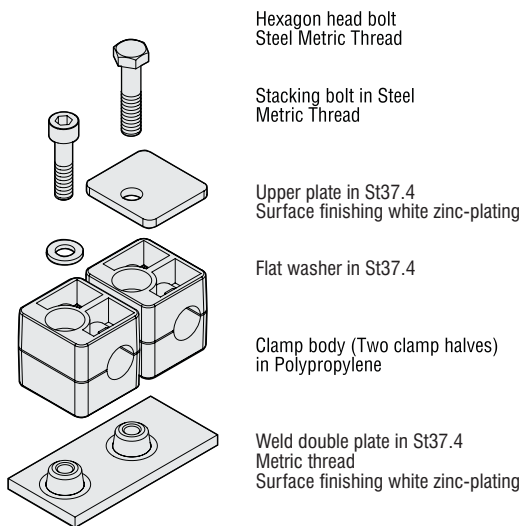
(READY STOCK)



VE-LOCK

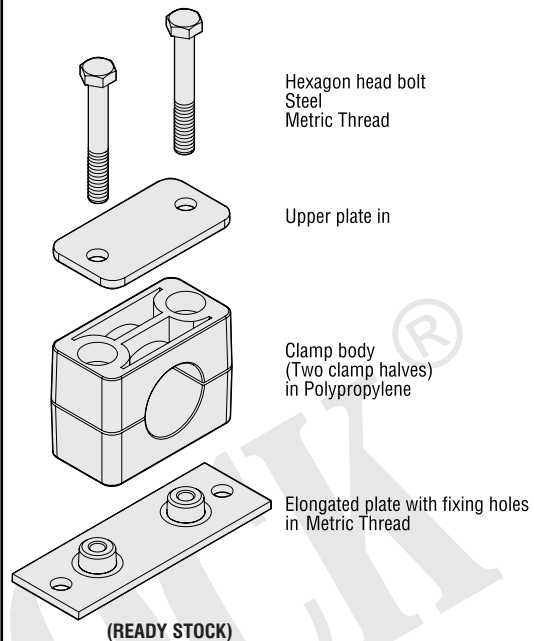
PIPE CLAMPS - STANDARD SERIES MOUNTING EXAMPLE

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



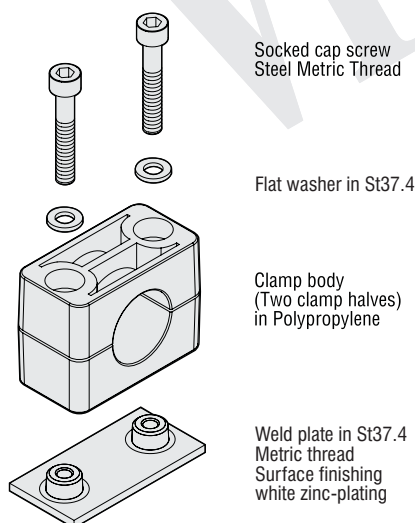
(ON DEVELOPMENT)

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



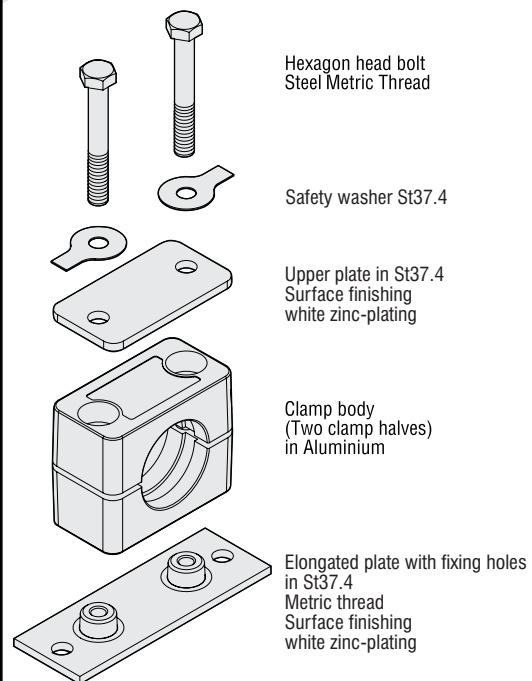
(READY STOCK)

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

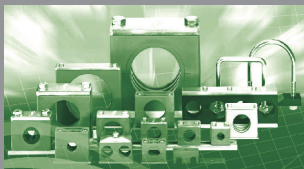


(READY STOCK)

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



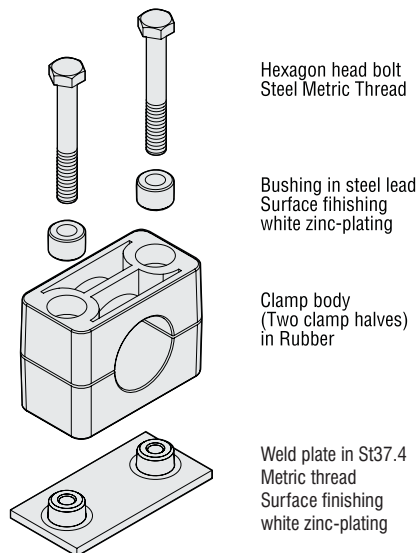
(READY STOCK)



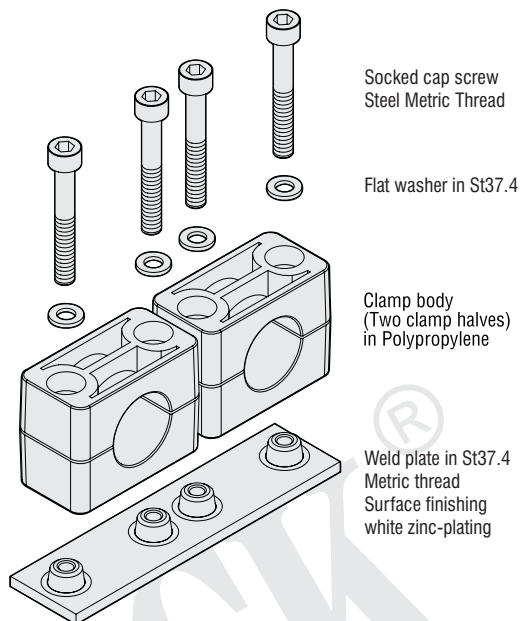
VE-LOCK

PIPE CLAMPS - STANDARD SERIES MOUNTING EXAMPLE

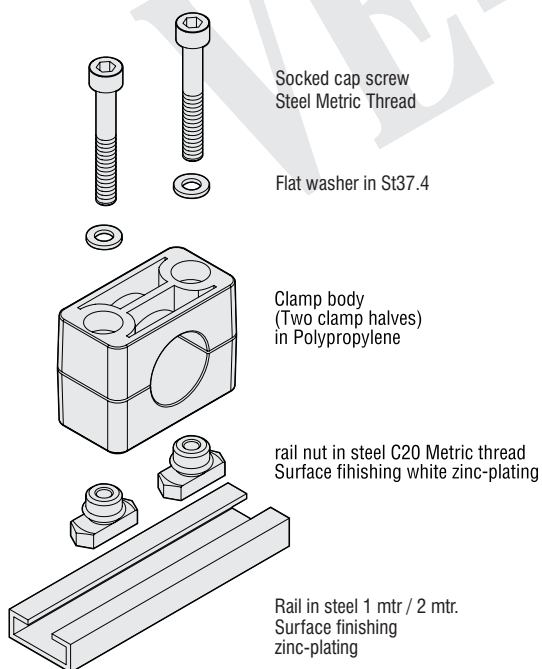
Mounting Example of complete clamp in Rubber
for pipe with outside diameter of with single weld plate
with bushing.



Mounting Example of complete clamp type side b side in
polypropylene for pipe with outside diameter
with double weld plate.



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



TECHNICAL

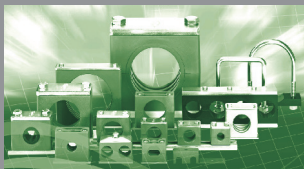
: Material clamp body

PP: Polypropylene

PA: Polyamide

A: Aluminium

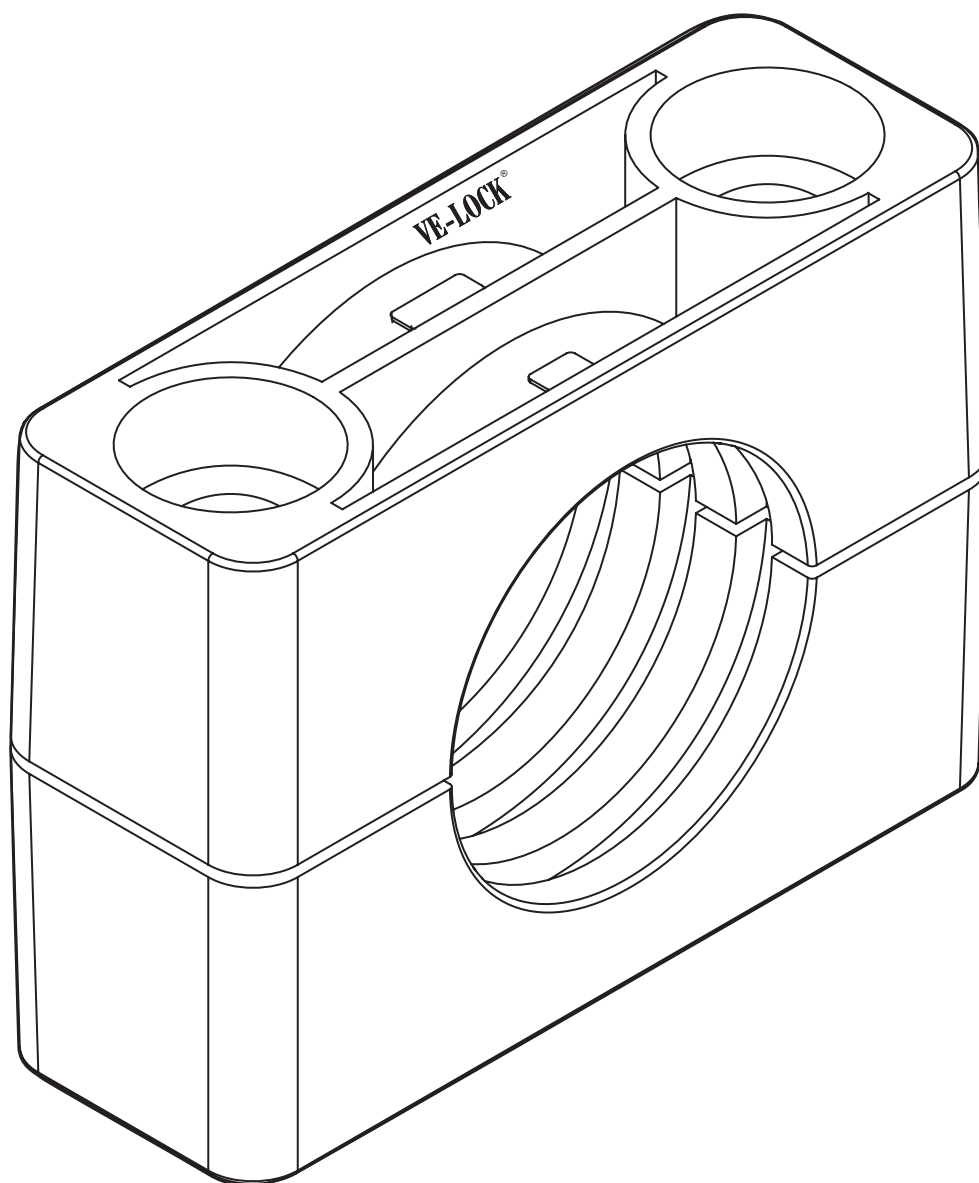
RI: Rubber



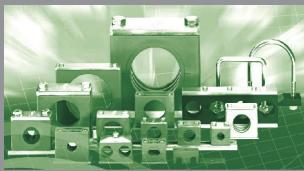
VE-LOCK

HEAVY SERIES CLAMPS

- Order codes _____
- Dimensions _____
- Mounting example _____

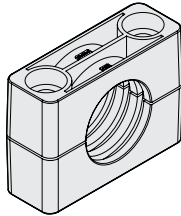
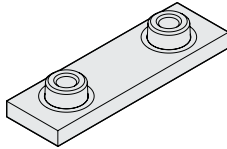
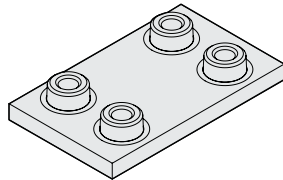


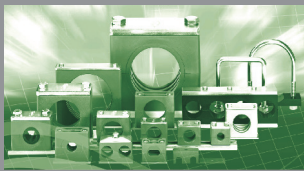
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

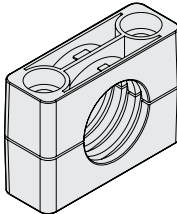
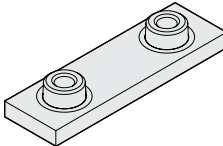
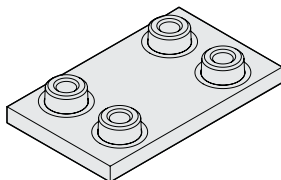
PIPE CLAPMS - HEAVY SERIES ORDER CODES

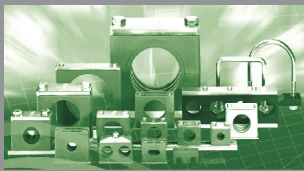
PIPE CLAMPS MATERIAL				Clamp body (two clamp halves)			Single weld plate SWP		Twin weld plate TWP	
Code PP : Polypropylene material Colour Green NB: other colours on demand.										
Code PA : Polyamide material Colour Black .										
Code GM : Rubber NBR material Colour Black from 1 to 10.										
Code AL : Aluminium material Colour Alluminio .										
Internal surface clamp body Profiled .										
For Dimensions see pages 18-22. For material characteristics see pages 74 and 76.				TYPE 1-10			TYPE 1-10		TYPE 1-10	
Components description				# # - # #, # # - # #			#		#	
Code VE-LOCK Clamp body	O.D. of Pipe/Tube/Hose			Code Ve-lock Type	Outside diameter in mm	Material of clamp body	Single weld plate S430 and AISI 316L Type	Type of thread	Twin weld plate S430 and AISI 316L Type	Type of thread
	in mm	nominal bore pipe in inch	in inch							
GR-1	6			CP1	6	# #	SWP 1	M10	TWP 1	M10
	6,4		1/4"	CP1	6,4	# #				
	8			CP1	8	# #				
	9,5		3/8"	CP1	9,5	# #				
	10	1/8"		CP1	10	# #				
	12			CP1	12	# #				
	12,7		1/2"	CP1	12,7	# #				
	13,5	1/4"		CP1	13,5	# #				
	14			CP1	14	# #				
	15			CP1	15	# #				
	16		5/8"	CP1	16	# #				
	17,2	3/8"		CP1	17,2	# #				
GR-2	18			CP1	18	# #	SWP 2	M10	TWP 2	M10
	19		3/4"	CP1	19	# #				
	20			CP2	20	# #				
	21,3	1/2"		CP2	21,3	# #				
	22		7/8"	CP2	22	# #				
	25			CP2	25	# #				
	25,4		1"	CP2	25,4	# #				
	26,9	3/4"		CP2	26,9	# #				
GR-3	28			CP2	28	# #	SWP 3	M10	TWP 3	M10
	30			CP2	30	# #				
	30			CP3	30	# #				
	32		1.1/4"	CP3	32	# #				
	33,7	1"		CP3	33,7	# #				
	35			CP3	35	# #				
	36			CP3	36	# #				
	38		1.1/2"	CP3	38	# #				
GR-4	40			CP3	40	# #	SWP 4	M12	TWP 4	M12
	42	1.1/4"		CP3	42,4	# #				
	45			CP3	43	# #				
	43	1.1/4"		CP3	42,4	# #				
	44			CP3	43	# #				
	45			CP3	45	# #				
	33,7	1"		CP4	33,7	# #				
	38		1.1/2"	CP4	38	# #				
	40			CP4	40	# #				
	42	1.1/4"		CP4	42,4	# #				
	45		1.3/4"	CP4	45	# #				
	48,3	1.1/2"		CP4	48,3	# #				
	50			CP4	50	# #				
	50,8		2"	CP4	50,8	# #				
	53			CP4	53	# #				
	54	1.3/4"		CP4	54	# #				
55			CP4	55	# #					
56			CP4	56	# #					
57,2		2.1/4"	CP4	57,2	# #					
60,3	2"		CP4	60,3	# #					
63,5		2.1/2"	CP4	63,5	# #					
65			CP4	65	# #					
70		2.3/4"	CP4	70	# #					



VE-LOCK

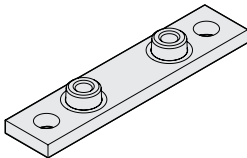
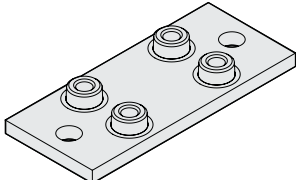
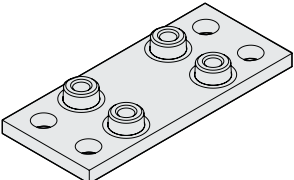
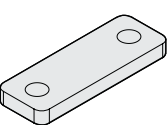
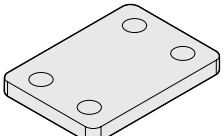
PIPE CLAPMS - HEAVY SERIES ORDER CODES

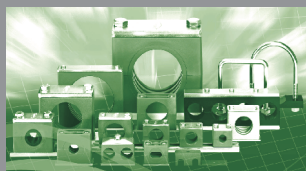
PIPE CLAMPS MATERIAL				Clamp body (two clamp halves) PCH			Single weld plate SWP		Twin weld plate TWP	
Code PP : Polypropylene material Colour Blue NB: other colours on demand.										
Code PA : Polyamide material Colour Black .										
Code GM : Rubber TC8GPZ material Colour Black from CP1 to CP5.										
Code AL : Aluminium material Colour Alluminio .										
Internal surface clamp body Profiled .										
For Dimensions see pages 18-22. For material characteristics see pages 74 and 76.				TYPE 1-10			TYPE 1-10		TYPE 1-10	
Components description				# # - # #, # # - # #			P CP# XP CP#		CDP CP# XCDP CP#	
Code VE-LOCK Clamp body	O.D. of Pipe/Tube/Hose			Code VE-LOCK Type	Outside diameter in mm	Material of clamp body	Single weld plate S1430 and AISI 316L Type	Type of thread	Twin weld plate S1430 and AISI 316L Type	Type of thread
	in mm	nominal bore pipe in inch	in inch							
GR-5	60,3	2"		CP5	60,3	# #	SWP 5	M16	TWP 5	M16
	65			CP5	65	# #				
	66	2.1/4"		CP5	66	# #				
	70		2.3/4"	CP5	70	# #				
	73			CP5	73	# #				
	76,1	2.1/2"	3"	CP5	76	# #				
	80			CP5	80	# #				
	85			CP5	85	# #				
	88,9	3"	3.1/2"	CP5	88,9	# #				
	90			CP5	90	# #				
GR-6	100			CP6	100	# #	SWP 6	M20	TWP 6	M20
	101,6		4"	CP6	101,6	# #				
	102	3.1/2"		CP6	102	# #				
	108		4.1/4"	CP6	108	# #				
	114	4"	4.1/2"	CP6	114,3	# #				
	121			CP6	121	# #				
	126,5	4.1/2"		CP6	126,5	# #				
GR-7	127		5"	CP7	127	# #	SWP 7	M24	TWP 7	M24
	133		5.1/4"	CP7	133	# #				
	140	5"		CP7	140	# #				
	146			CP7	146	# #				
	150			CP7	150	# #				
	152		6"	CP7	152	# #				
	159		6.1/4"	CP7	159	# #				
	168	6"		CP7	168	# #				
GR-8	168	6"		CP8	168	# #	SWP 8	M30	TWP 8	M30
	177,8		7"	CP8	177,8	# #				
	193,7		7.5/8"	CP8	193,7	# #				
	203		8"	CP8	203	# #				
	219	8"		CP8	219	# #				
GR-9	219	8"		CP9	219	# #	SWP 9	M30	TWP 9	M30
	273	10"		CP9	273	# #				
	324	12"		CP9	324	# #				
GR-10	356	14"		CP10	356	# #	SWP 10	M30	TWP 10	M30
	406	16"		CP10	406	# #				



VE-LOCK





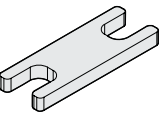

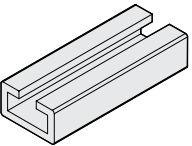
PIPE CLAPMS - HEAVY SERIES ORDER CODES

Elongated weld plate (with screw) EWP		Elongated double weld plate (with screw) EDWP		Elongated double weld plate (with screw) EDWP		TDP PLATE TP	Double TDP plate DTP
							
TYPE 1-10		TYPE 1-7		TYPE 8-10		TYPE 1-10	TYPE 1-10
#		#		#			
Elongated weld plate S1430 and AISI 316L Type	Type of thread	Elongated double weld plate S1430 and AISI 316L Type	Type of thread	Elongated double weld plate S1430 and AISI 316L Type	Type of thread	Upper plate S1430 and AISI 316L Type	Double upper plate S1430 and AISI 316L Type
EWP 1	M10	EDWP - 1	M10	---		TP - 1	DTP - 1
EWP 2	M10	EDWP - 2	M10	---		TP - 2	DTP - 2
EWP 3	M10	EDWP - 3	M10	---		TP - 3	DTP - 3
EWP 4	M12	EDWP - 4	M12	---		TP - 4	DTP - 4
EWP 5	M16	EDWP - 5	M16	---		TP - 5	DTP - 5
EWP 6	M20	EDWP - 6	M20	---		TP - 6	DTP - 6
EWP 7	M24	EDWP - 7	M24	---		TP - 7	DTP - 7
EWP 8	M30	---		EDWP - 8	M30	TP - 8	DTP - 8
EWP 9	M30	---		EDWP - 9	M30	TP - 9	DTP - 9
EWP 10	M30	---		EDWP - 10	M30	TP - 10	DTP - 10



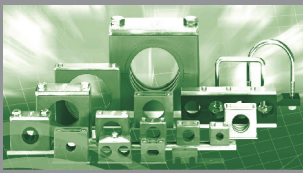
VE-LOCK

PIPE CLAPMS - HEAVY SERIES ORDER CODES

HB		ALLEN CAP SCREEN		STACKING BOLT		Safety water SW	Locking Plate	Rail Nut		Mounting rail MR
for use with upper plate PscP / cdPscP En iso 4014 / 4017		En iso 4762 for use without upper plate		for overlapped clamps		for use with hexagon head bolt iso 4759 / 3 a	for overlapped clamps TYPE 1-8	agP fino al TYPE 4		fino al TYPE 4
										
HB	#	ACS		SB		SW	LP	RN		MR
Hexagon head bolt Steel 8.8 and A4 Type	Type of thread	Socket cap screw Steel 8.8 and A4 Type	Type of thread	High hexagon head bolt Steel 8.8 and A4 Type	Type of thread	Safety washer S3360 and A4 Type	Locking plate S3360 and AISI 316L Type	Rail nut Steel C20 and AISI 316L	Type of thread	Mounting rail Steel DX51D and AISI 316L
HB 1	M10x45	ACS - 1	M10x30	SB - 1	M10	SW - 1	LP - 1	RN	M10	MR available lenght 1 mtr / 2 mtr.
HB 2	M10x60	ACS - 2	M10x40	SB - 2	M10	SW - 2	LP - 2			
HB 3	M10x70	ACS - 3	M10x50	SB - 3	M10	SW - 3	LP - 3			
HB 4	M12x100	ACS - 4	M12x80	SB - 4	M12	SW - 4	LP - 4	RN	M12	
HB 5	M16x130	---	---	SB - 5	M16	SW - 5	LP - 5	---	---	---
HB 6	M20x190	---	---	SB - 6	M20	SW - 6	LP - 6	---	---	---
HB 7	M24x220	---	---	SB - 7	M24	SW - 7	LP - 7	---	---	---
HB 8	M30x300	---	---	SB - 8	M30	SW - 8	LP - 8	---	---	---
HB 9	M30x450	---	---	---	---	SW - 9	---	---	---	---
HB 10	M30x560	---	---	---	---	SW - 10	---	---	---	---

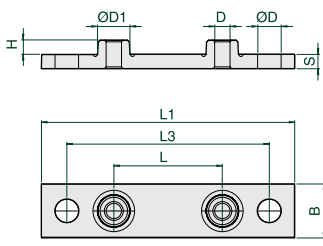
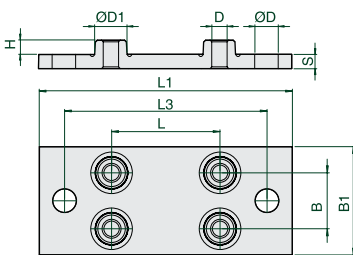
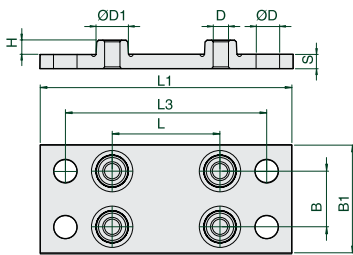


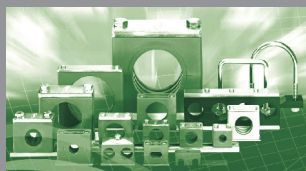




VE-LOCK

PIPE CLAPMS - HEAVY SERIES DIMENSION

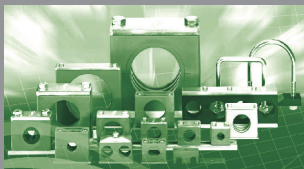
Elongated single weldplate (with screw) ESWP											Elongated double weld plate (with screw)											Elongated double weld plate (with screw)											
																																	
ESWP											EDWP											EDWPS											
Code Ve-lock	L1	L2	L3	B	S	H	D	ØD1	ØD2		Code Ve-lock	L1	L2	L3	B1	B2	S	H	D	ØD1	ØD2		Code Ve-lock	L1	L2	L3	B1	B2	S	H	D	ØD1	ØD2
ESWP 1	113	33	85	30	8	8	M10	18	13		EDWP 1	113	33	85	60	31	8	8	M10	18	13		---										
ESWP 2	125	45	97	30	8	8	M10	18	13		EDWP 2	125	45	97	60	31	8	8	M10	18	13		---										
ESWP 3	140	60	112	30	8	8	M10	18	13		EDWP 3	140	60	112	60	31	8	8	M10	18	13		---										
ESWP 4	187	90	155	45	10	8	M12	20	16		EDWP 4	187	90	155	90	46	10	8	M12	20	16		---										
ESWP 5	238	122	198	60	10	12	M16	24	21		EDWP 5	238	122	198	120	61	10	12	M16	24	21		---										
ESWP 6	309	168	259	80	15	17	M20	30	26		EDWP 6	309	168	259	160	81	15	17	M20	30	26		---										
ESWP 7	370	205	310	90	15	21	M24	35	31		EDWP 7	370	205	310	180	91	15	21	M24	35	31		---										
ESWP 8	440	265	380	120	25	21	M30	45	31		---											EDWPS 8	440	265	380	240	121	25	21	M30	45	31	
ESWP 9	590	395	530	160	30	38	M30	50	31		---											EDWPS 9	590	395	530	320	166	30	38	M30	50	31	
ESWP 10	750	534	690	180	30	38	M30	50	31		---											EDWPS 10	750	534	690	360	186	30	38	M30	50	31	



VE-LOCK

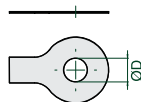
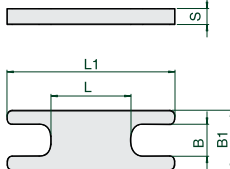
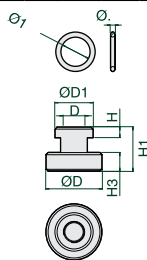
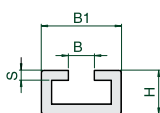
PIPE CLAPMS - HEAVY SERIES DIMENSION

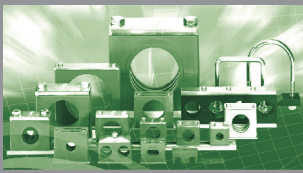
TOP						TOP						Hexagon head bolt		Allen cap screws		Stacking Bolt						
 TYPE 1-10						 TYPE 1-10						 En 4014 / 4017 for use with upper plate PscP		 iso 4762 TYPE 1-4		 TYPE 1-8						
TP						DEP						HB		ACS		SB						
Code Ve-lock	L1	L2	B	S	ØD1	Code Ve-lock	L1	L2	B1	B2	S	ØD	Code Ve-lock	DxL	Code Ve-lock	DxL	Code Ve-lock	D	L1	L2	L3	CH
TP 1	56	33	30	8	11	DTP 1	56	33	60	31	8	11	HB - 1	M10x45	ACS - 1	M10x30	SB - 1	M10	49	25	18	15
TP 2	69	45	30	8	11	DTP 2	69	45	60	31	8	11	HB - 2	M10x60	ACS - 2	M10x40	SB - 2	M10	65	40	18	15
TP 3	84	60	30	8	11	DTP 3	84	60	60	31	8	11	HB - 3	M10x70	ACS - 3	M10x50	SB - 3	M10	77	51	18	15
TP 4	115	90	45	10	13	DTP 4	115	90	90	46	10	13	HB - 4	M12x100	ACS - 4	M12x80	SB - 4	M12	110	82	25	17
TP 5	152	122	60	10	18	DTP 5	155	122	120	61	10	18	HB - 5	M16x130	---		SB - 5	M16	144	110	25	21
TP 6	205	168	80	15	22	DTP 6	205	168	160	81	15	22	HB - 6	M20x190	---		SB - 6	M20	200	150	40	27
TP 7	251	205	90	15	26	DTP 7	251	205	180	91	15	26	HB - 7	M24x220	---		SB - 7	M24	240	180	50	30
TP 8	320	265	120	25	32	DTP 8	320	265	240	121	25	32	HB - 8	M30x300	---		SB - 8	M30	331	256	60	46
TP 9	470	395	160	30	32	DTP 9	470	395	320	166	30	32	HB - 9	M30x450	---		---					
TP 10	630	534	180	30	35	DTP 10	630	534	361	186	30	35	HB - 10	M30x560	---		---					



VE-LOCK

PIPE CLAPMS - HEAVY SERIES DIMENSION

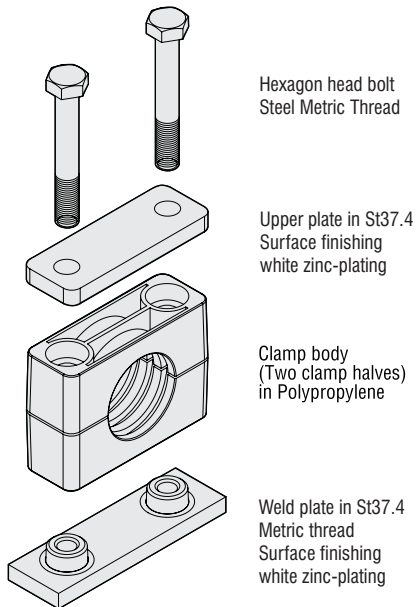
Safety washer		Locking plate						Rail nut with rubber ring								Mounting rail								
<p>iso 4759 / 3 a for use with hexagon head bolt TEcP</p> 		 <p>TYPE 1-8</p>						 <p>To TYPE 4</p>								 <p>To TYPE 4</p>								
SW		LP						RN								MR								
Code Ve-Lock	ØD	Code Ve-Lock	L1	L2	B1	B2	S	Code Ve-Lock	ØD1	ØD2	H1	H2	H3	D	Code Ve-Lock	B1	B2	H	S					
SW 1	10,5	LP 1	57	13	30	16	8	RN	17,7	22	21	6,6	7,4	M10	MR	40	13	22	5					
SW 2	10,5	LP 2	70	26	30	16	8		17,7	22	21	6,6	7,4	M10										
SW 3	10,5	LP 3	84	40	30	16	8		17,7	22	21	6,6	7,4	M10										
SW 4	13,0	LP 4	114	66	45	18	10		18,8	26	23	7	8	M12										
SW 5	17,0	LP 5	151	95	60	22	10	---							---									
SW 6	21,0	LP 6	204	132	80	28	15	---							---									
SW 7	25,0	LP 7	250	166	90	31	15	---							---									
SW 8	31,0	LP 8	310	210	120	47	25	---							---									
SW 9	31,0	---						---												---				
SW 10	31,0	---						---												---				



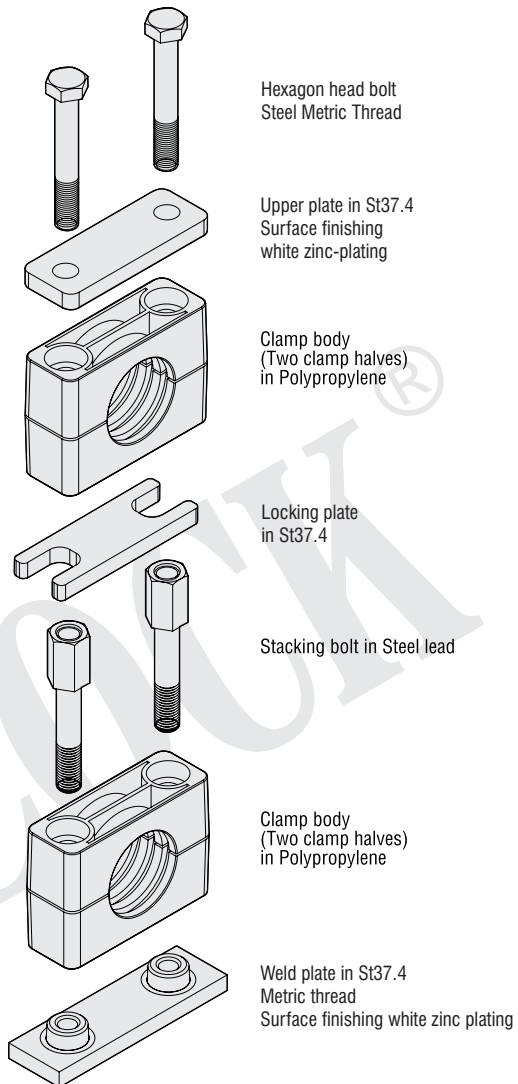
VE-LOCK

PIPE CLAPMS - HEAVY SERIES MOUNTING EXAMPLE

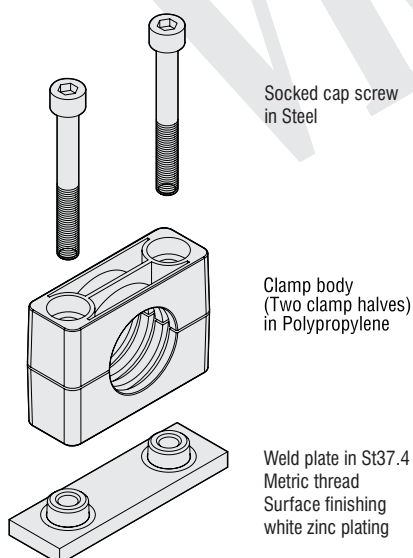
**Mounting Example of complete clamp in Polypropylene
for pipe with outside diameter of with single weld plate and
upper plate.**

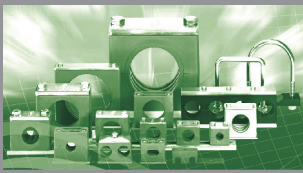


**Mounting Example of complete stacked clamp
in Polypropylene for pipe with outside diameter of 40mm
with single weld plate and upper plate**



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

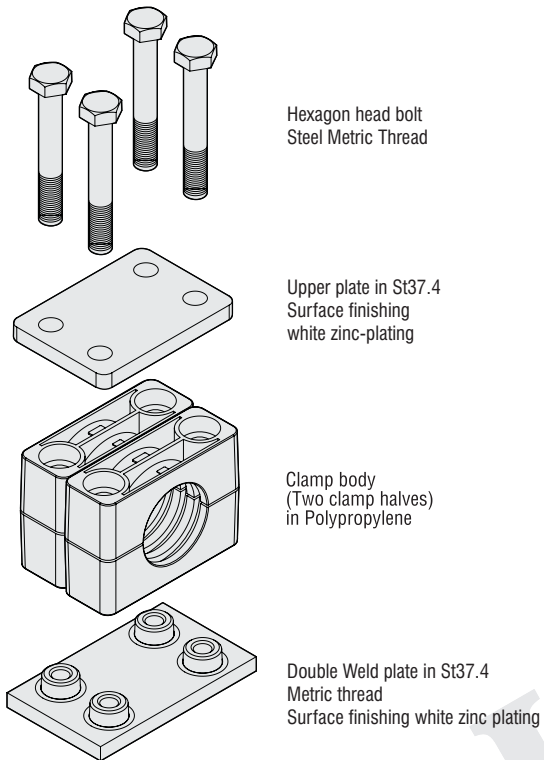




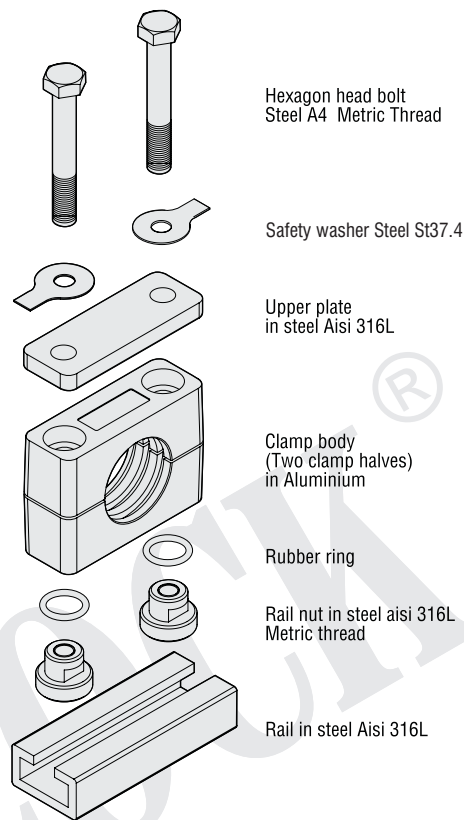
VE-LOCK

PIPE CLAPMS - HEAVY SERIES MOUNTING EXAMPLE

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



Mounting Example of clamp Aluminium for pipe with outside diameter of mounting rail nut.



NOTES

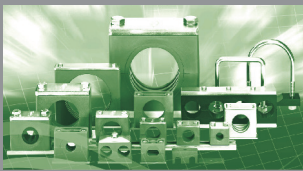
: Material clamp body

PP: Polypropylene

PA: Polyamide

A: Aluminium

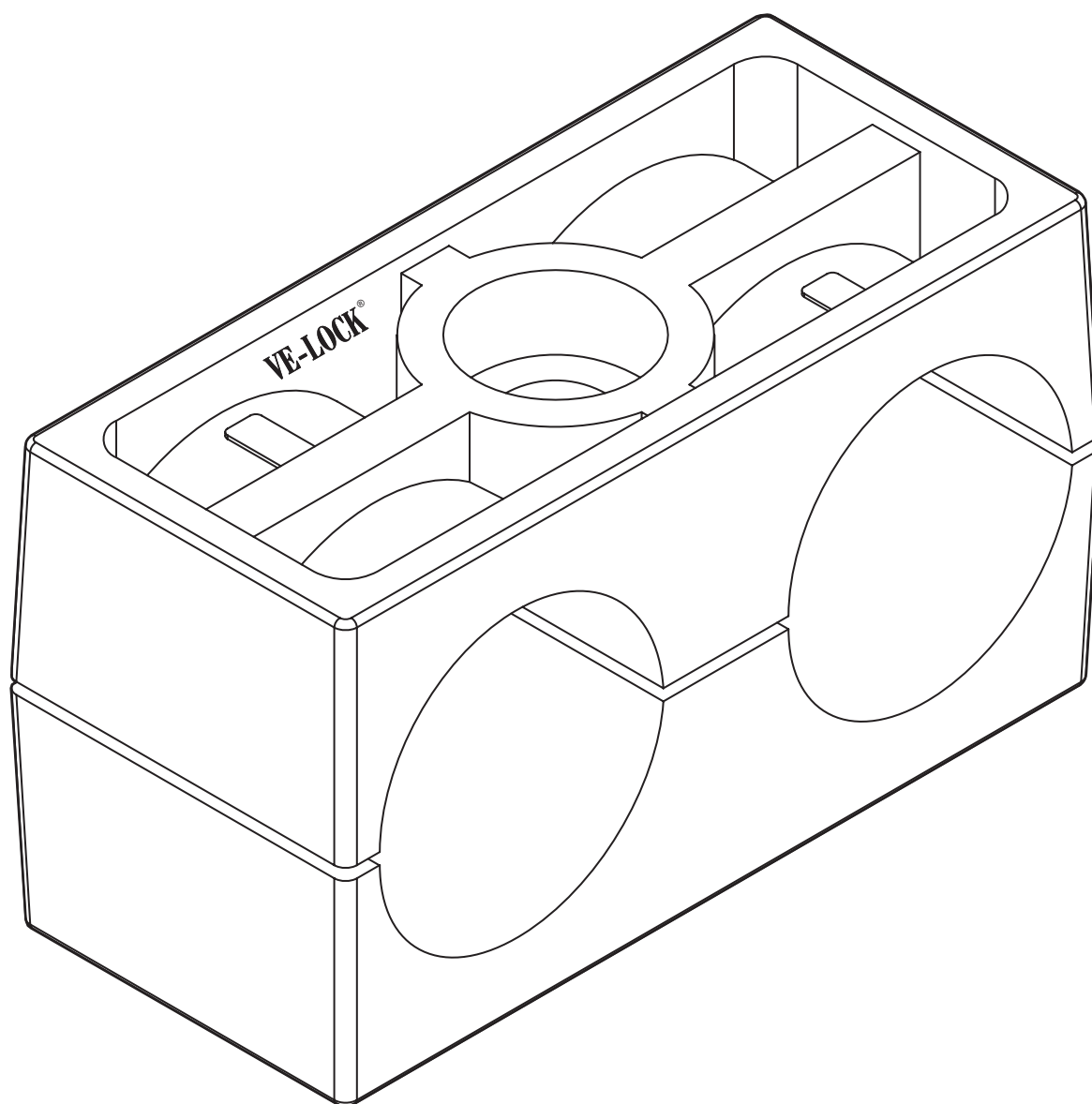
RI: Rubber



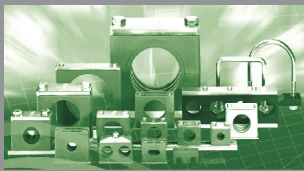
VE-LOCK

TWIN SERIES CLAMPS

- Order codes _____
- Dimensions _____
- Mounting example _____

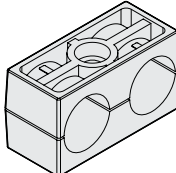
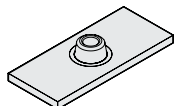
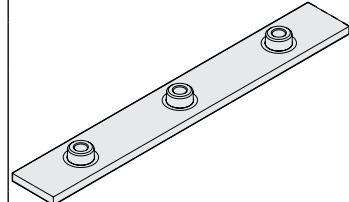


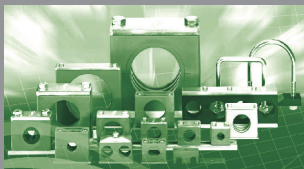
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

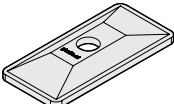



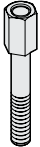
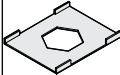
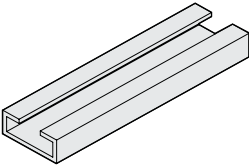

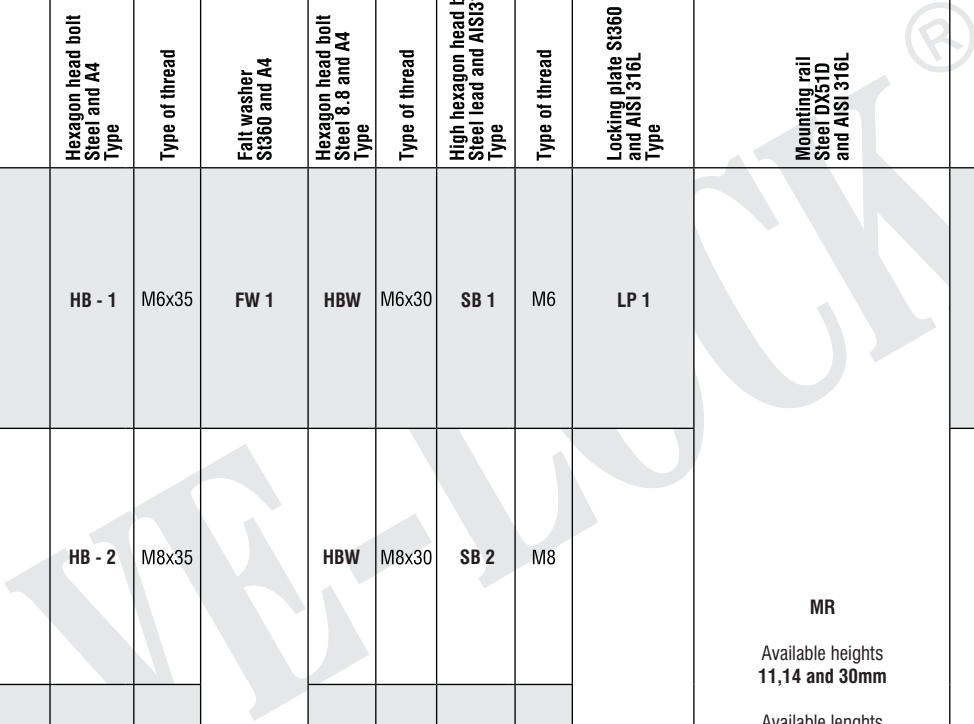
PIPE CLAPMS - TWIN SERIES ORDER CODES

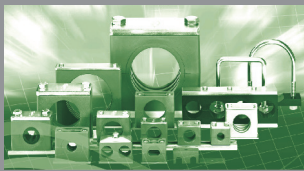
PIPE CLAMPS MATERIAL				Clamp body (two clamp halves)			Single weld plate SWP		Multiple weld plate MWP	
Code PP : Polypropylene material Colour Green NB: other colours on demand.										
Code PA : Polyamide material Colour Black .										
Code GM : Rubber TC8GPZ material Colour Black .										
Internal surface clamp body Knurled / Profiled .										
NB Different diameters are available on demand.										
For Dimensions see pages 28-30. For materials characteristics see pages 74 and 76.				TYPE 1-5			TYPE 1-5		TYPE 1-5	
Components description				PCT			SWP		MWP	
Code Ve-Lock Clamp body	O.D. of Pipe/Tube/Hose			Code Ve-Lock	Outside diameter in mm	Material of clamp body	Single weld plate Carbon steel S3360 and AISI 316L Type Code Ve-Lock	Type of thread	Multiple weld plate Car- bon steel S3360 and AISI 316L Type Code Ve-Lock	Type of thread
	in mm	Nominal bore pipe in inch	in inch							
PCT GR-1	6			PLT 1	6	PP	SWP - 1	M6	MWP - 1	M6
	6,4		1/4"	PLT 1	6,4	PP				
	8		5/16"	PLT 1	8	PP				
	9,5		3/8"	PLT 1	9,5	PP				
	10	1/8"		PLT 1	10	PP				
	12			PLT 1	12	PP				
PCT GR-2	12,7		1/2"	PLT 1	12,7	PP	SWP - 2	M8	MWP - 2	M8
	12,7		1/2"	PLT 2	12,7	PP				
	13,5	1/4"		PLT 2	13,5	PP				
	14			PLT 2	14	PP				
	15			PLT 2	15	PP				
	16		5/8"	PLT 2	16	PP				
PCT GR-3	17,2	3/8"		PLT 2	17,2	PP	SWP - 3	M8	MWP - 3	M8
	18			PLT 2	18	PP				
	19		3/4"	PLT 3	19	PP				
	20			PLT 3	20	PP				
	21,3	1/2"		PLT 3	21,3	PP				
	22		7/8"	PLT 3	22	PP				
PCT GR-4	23			PLT 3	23	PP	SWP - 4	M8	MWP - 4	M8
	25			PLT 3	25	PP				
	25,4		1"	PLT 3	25,4	PP				
	26			PLT 4	26	PP				
PCT GR-5	26,9	3/4"		PLT 4	26,9	PP	SWP - 5	M8	MWP - 5	M8
	28			PLT 4	28	PP				
	30			PLT 4	30	PP				
	32		1.1/4"	PLT 4	32	PP				
	33,7	1"		PLT 4	33,7	PP				
	35			PLT 4	35	PP				
PCT GR-5	38		1.1/2"	PLT 4	38	PP	SWP - 5	M8	MWP - 5	M8
	40			PLT 4	40	PP				
	42	1.1/4"		PLT 4	42	PP				



VE-LOCK

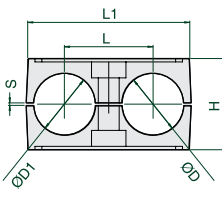
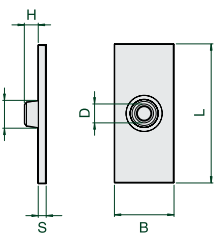
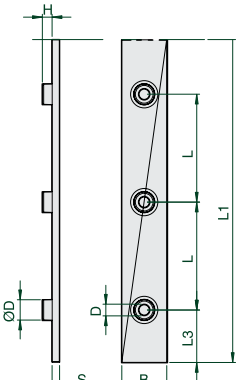
PIPE CLAPMS - TWIN SERIES DIMENSION

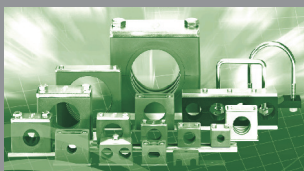
TOP Plate TP	Hexagon head bolt HB		Flat washer FW	Hexagon head bolt HBW		Stacking head bolt SB		Locking plate LP	Mounting rail MR	Rail nut	
 TYPE 1-5	<i>En iso 4014 / 4017 for use with upper plate Ps cf</i> 		<i>for use with hexagon head bolt TEr</i> 	<i>En iso 4014 / 4017 for use with flat washer rP</i> 		<i>for overlapped clamp</i> 		<i>for overlapped clamp</i> 			
TP	HB #		FW	HBH #		SB #		LP	MR	RN	
Single weld plate S360 and AISI 316L Type	Hexagon head bolt Steel and A4 Type	Type of thread	Flat washer S360 and A4	Hexagon head bolt Steel 8.8 and A4 Type	Type of thread	High hexagon head bolt Steel lead and AISI316L Type	Type of thread	Locking plate S360 and AISI 316L Type	Mounting rail Steel DX51D and AISI 316L 	Rail nut Steel C20 and AISI316L Type of thread	
TP - 1	HB - 1	M6x35	FW 1	HBW	M6x30	SB 1	M6	LP 1		RN 1	
TP - 2	HB - 2	M8x35	FW 2 to FW - 5 for	HBW	M8x30	SB 2	M8	LP 2 GR 2 to GR 5		MR Available heights 11,14 and 30mm Available lenghts 1 mm / 2 mm	RN for clamps GR 2-5
TP - 3	HB - 3	M8x45		HBW	M8x40	SB 3	M8				
TP - 4	HB - 4	M8x50		HBW	M8x45	SB 4	M8				
TP - 5	HB - 5	M8x60		HBW	M8x55	SB 5	M8				



VE-LOCK

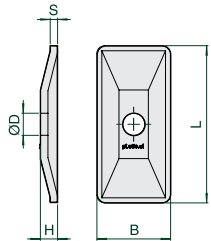
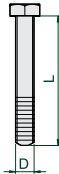
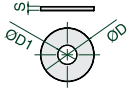
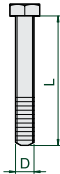
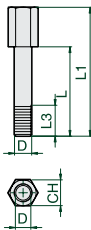
PIPE CLAPMS - TWIN SERIES DIMENSION

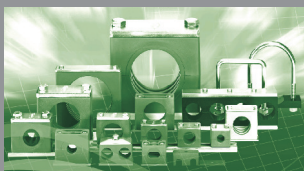
MATERIALS AND TYPE OF THREAD COMPONENTS AND ACCESSORIES				Clamp body (two clamp halves)						Single weld plate SWP						Multiple weld plate MWP									
<p>All components and accessories are available in: Carbon steel S1360 with finishing surface in white zinc-coated Fe Zn c8 II. Untreated area available on request. Stainless steel inox 316L: (X2 CrNiMo17-12-2) 1.4404 marked with X identification code. NB The BB track is treated with zinc-plating SENDZIMIR.</p> <p>All the components are produced with metric thread, on request are also available with UNC thread. Metric thread: code M. UNC thread: code UNC.</p> <p>For material characteristics see pages 74 and 76.</p>																									
				TYPE 1-5						TYPE 1-5						TYPE 1-5									
Materials description				PCT						SWP						MWP									
Code Ve-Lock Clamp body	O.D. of Pipe/Tube/Hose ØD1 / ØD2			L1	L2	H	S	Width	Code Ve-Lock	L	B	S	H	ØD	D	Code Ve-Lock	L1	L2	L3	B	S	H	ØD	D	
	in mm	nominal bore pipe in inch	in inch																						
PCT 1	6			36	20	27	0,6	30	SWP 1	37	30	3	6,5	12	M6	MWP 1	196	40	18	30	3	6,5	12	M6	
	6,4		1/4"																						
	8		5/16"																						
	9,5		3/8"																						
	10	1/8"																							
	12																								
PCT 2	12,7		1/2"	54	29	27	0,8	30	SWP 2	55	30	5	6	14	M8	MWP 2	288	58	28	30	5	6	14	M8	
	13,5	1/4"																							
	14																								
	15																								
	16		5/8"																						
	17,2	3/8"																							
PCT 3	18			67	36	37	1	30	SWP 3	70	30	5	6	14	M8	MWP 3	358	72	35	30	5	6	14	M8	
	19		3/4"																						
	20																								
	21,3	1/2"																							
	22		7/8"																						
	23																								
PCT 4	25			81	45	42	1	30	SWP 4	85	30	5	6	14	M8	MWP 4	444	90	42	30	5	6	14	M8	
	25,4		1"																						
	26																								
	26,9	3/4"																							
PCT 5	28			106	56	53	1,2	30	SWP 5	110	30	5	6	14	M8	MWP 5	558	112	55	30	5	6	14	M8	
	30																								
	32		1.1/4"																						
	33,7	1"																							
	35																								
	38		1.1/2"																						
PCT 5	40																								
	42	1.1/4"																							



VE-LOCK

PIPE CLAPMS - TWIN SERIES DIMENSION

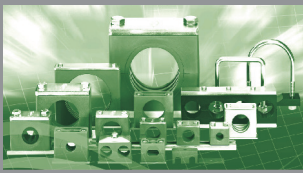
Top plate						Hexagon head bolt		Flat washer				Hexagon head bolt		Stacking Bolt					
 <p>TYPE 1-5</p>						<p><i>En iso 4014 / 4017 for use with upper plate Ps cf</i></p> 		<p><i>En iso 7089 for use with hexagon head bolt TEr</i></p> 				<p><i>En iso 4014 / 4017 for use with flat washer rP</i></p> 		<p><i>for overlapped clamps</i></p> 					
TP						HB		FW				HBR		SB					
Code Ve-Lock	L	B	H	S	ØD	Code Ve-Lock	DxL	Code	ØD	ØD1	S	Code Ve-Lock	DxL	Code Ve-Lock	D	L1	L2	L3	CH
TP 1	34,5	30	7	3	7	HB 1	M6x35	FW 1	24	6,5	2	HBR 1	M6x30	SB 1	M6	34	20	14	11
TP 2	52	30	7	3	9	HB 2	M8x35	FW 2-5	24	8,5	2	HBR 2	M8x30	SB 2	M8	33	20	15	12
TP 3	64	30	7	3	9	HB 3	M8x45					HBR 3	M8x40	SB 3	M8	44	29	15	12
TP 4	79	30	7	3	9	HB 4	M8x50					HBR 4	M8x45	SB 4	M8	49	34	15	12
TP 5	102,5	30	7	3	9	HB 5	M8x60					HBR 5	M8x55	SB 5	M8	61	46	15	12



VE-LOCK

PIPE CLAPMS - TWIN SERIES DIMENSION

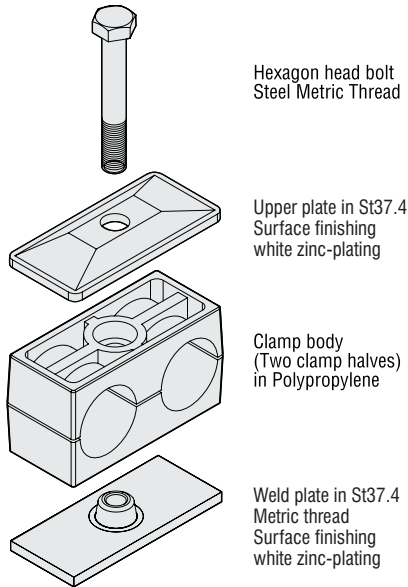
Locking plate					Mounting rail				RAIL NUT							
<i>for overlapped claps</i>					<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><</div></div></div></div></div></div></div>											



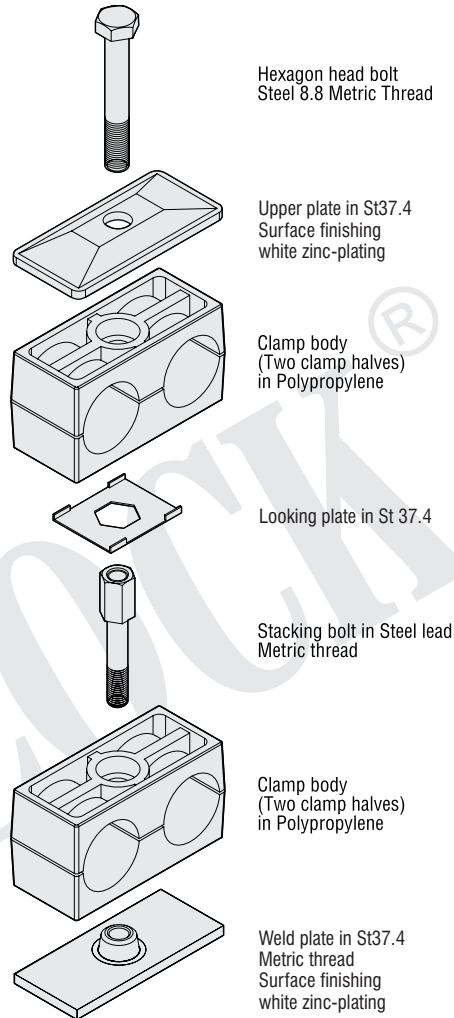
VE-LOCK

PIPE CLAPMS - TWIN SERIES MOUNTING EXAMPLE

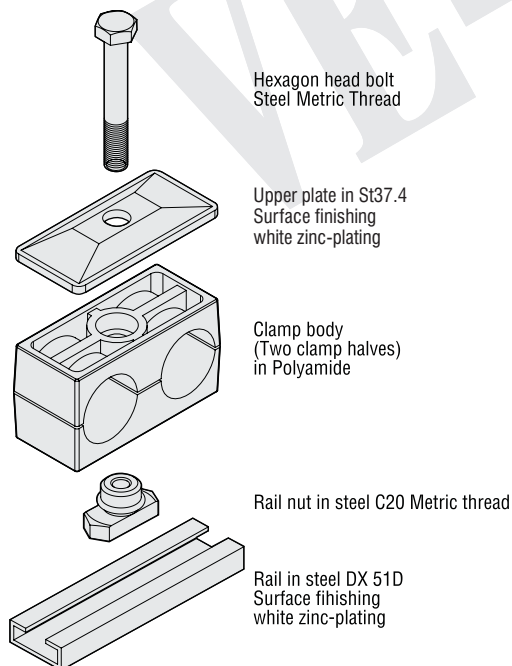
**Mounting Example of complete clamp in Polypropylene
for pipe with outside diameter of with single weld plate
and upper plate.**

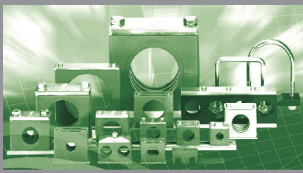


**Mounting Example of complete stacked clamp in
Polypropylene for pipe with outside diameter of with single weld
plate and upper plate.**



**Mounting Example of complete stacked clamp in Polyamide
for pipe with outside diameter of mounting rail nut.**

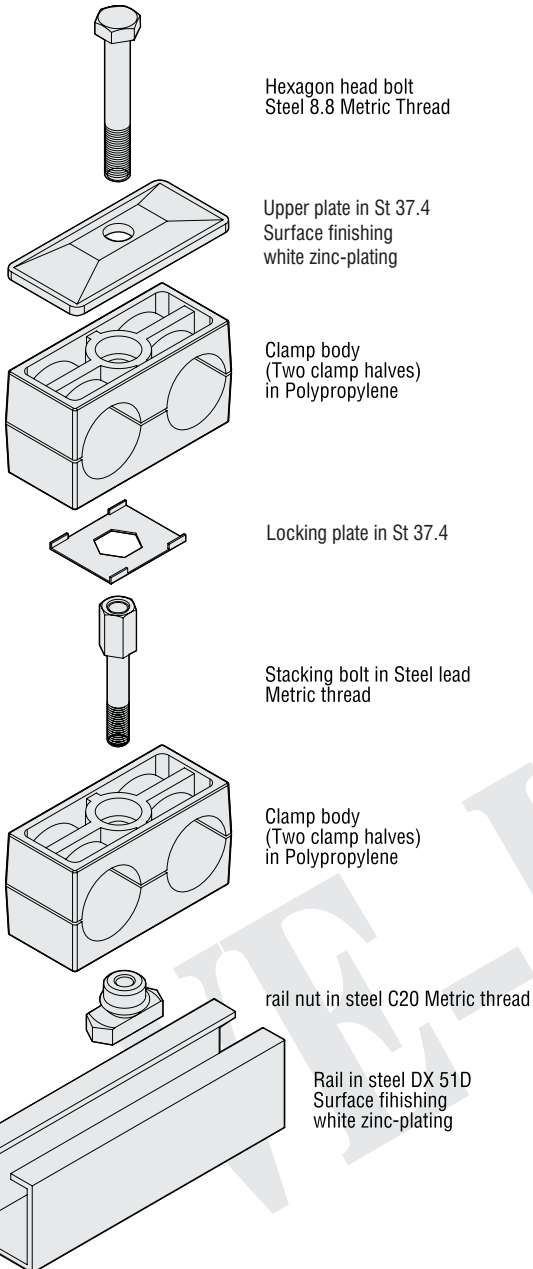




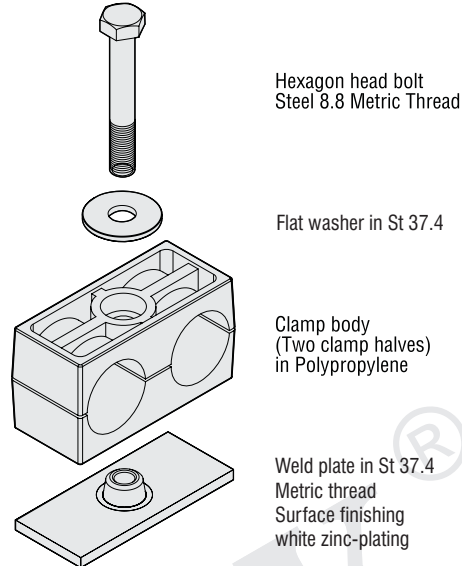
VE-LOCK

PIPE CLAPMS - TWIN SERIES MOUNTING EXAMPLE

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



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



NOTES

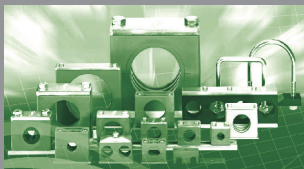
: Material clamp body

PP: Polypropylene

PA: Polyamide

A: Aluminium

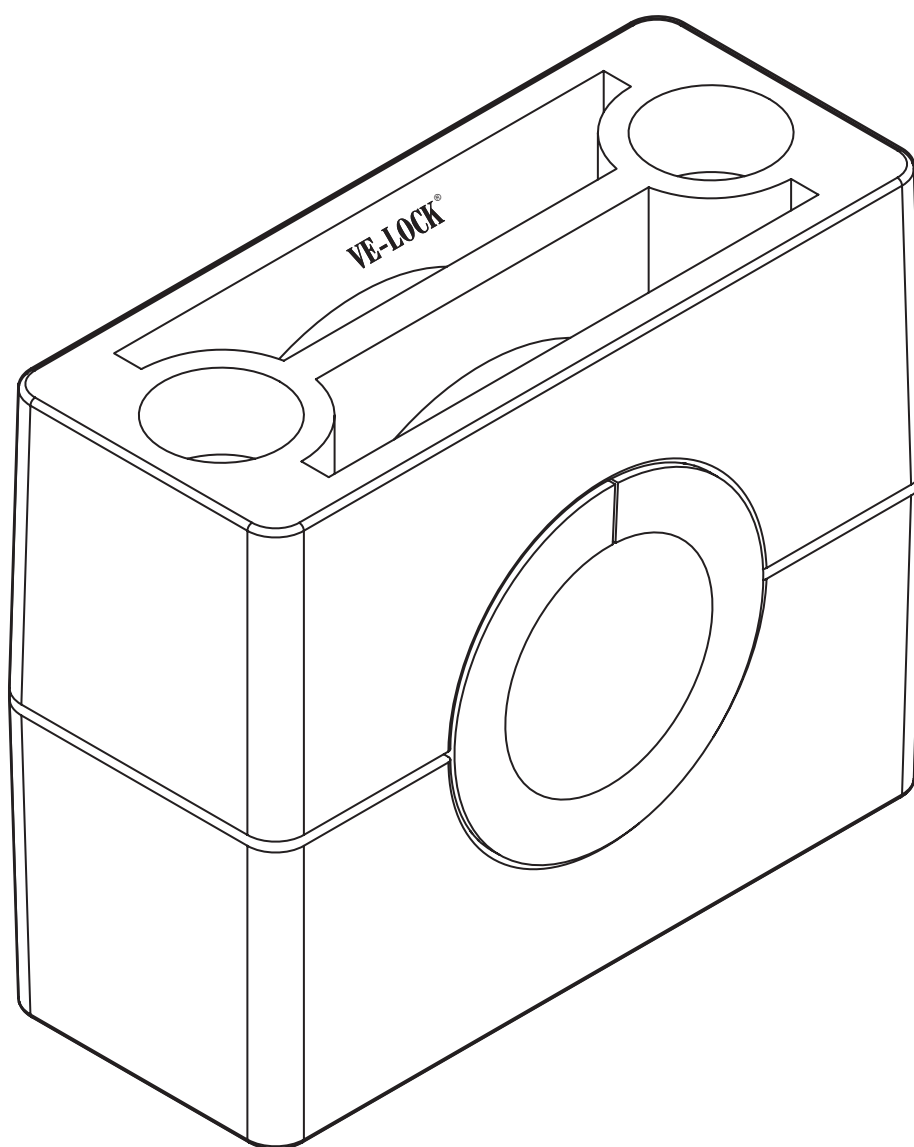
RI: Rubber



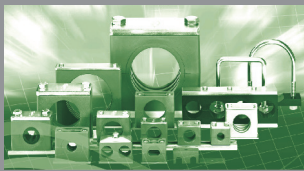
VE-LOCK

CLAMPS WITH RUBBER BUSHING

- Order Codes _ _ _ _ _
- Dimensions _ _ _ _ _
- Mounting example _ _ _ _ _

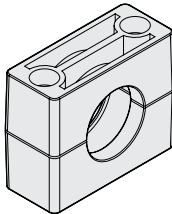
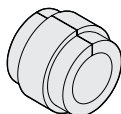
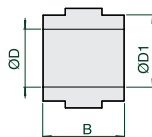
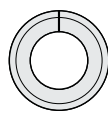


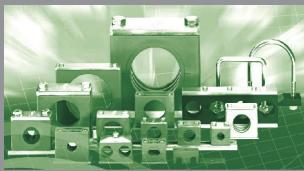
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

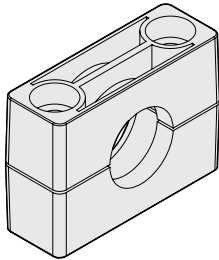
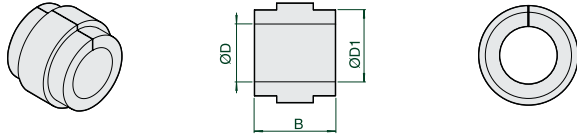
STANDARD SERIES CLAMPS WITH RUBBER BUSHING ORDER CODES

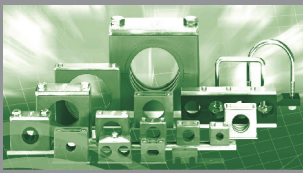
PIPE CLAMPS AND RUBBER BUSHING MATERIAL				Clamp body (two clamp halves)			Rubber bushing RI			
Code PP : Polypropylene material Colour Green NB: other colours on demand.							  			
Code PA : Polyamide material Colour Black .										
NB: Rubber bushing only type 4-6-7.										
For materials characteristics see pages 74 and 76.										
				TYPE 4-6-7			TYPE 4-6-7			
Components description				PCL			RI		RI	
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD			Type	Outside diameter in mm	Material of clamp body	Code Rubber bushing Type	ØD1	B	
	in mm	nominal bore pipe in inch	in inch							
PCLRI-1	6			PLLRI	6	##	PCLRI - 1	22	31	
	8		5/16"	PLLRI	8	##				
	10	1/8"		PLLRI	10	##				
	12			PLLRI	12	##				
	13,5	1/4"		PLLRI	13,5	##				
	14			PLLRI	14	##				
	15			PLLRI	15	##				
	16		5/8"	PLLRI	16	##				
	17,2	3/8"		PLLRI	17,2	##				
	18			PLLRI	18	##				
	19		3/4"	PLLRI	19	##				
20			PLLRI	20	##					
PCLRI-2	8		5/16"	PLLRI - 2	8	##	PCLRI - 2	32.8	31	
	10	1/8"		PLLRI - 2	10	##				
	12			PLLRI - 2	12	##				
	15			PLLRI - 2	15	##				
	16		5/8"	PLLRI - 2	16	##				
	18			PLLRI - 2	18	##				
	20			PLLRI - 2	20	##				
	21,3	1/2"		PLLRI - 2	21,3	##				
	22			PLLRI - 2	22	##				
	25			PLLRI - 2	25	##				
	26,9	3/4"		PLLRI - 2	26,9	##				
	28			PLLRI - 2	28	##				
	30			PLLRI - 2	30	##				
	32		1.1/4"	PLLRI - 2	32	##				
PCLRI-3	28			PLLRI - 3	28	##	PCLRI - 3	53	31	
	30			PLLRI - 3	30	##				
	33,7	1"		PLLRI - 3	33,7	##				
	35			PLLRI - 3	35	##				
	38		1.1/2"	PLLRI - 3	38	##				
	40			PLLRI - 3	40	##				
	42,4	1.1/4"		PLLRI - 3	42,4	##				
	48,3	1.1/2"		PLLRI - 3	48,3	##				



VE-LOCK

HEAVY SERIES CLAMPS WITH RUBBER BUSHING ORDER CODES

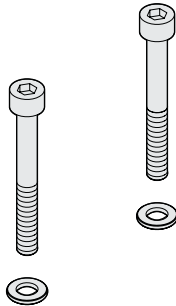
PIPE CLAMPS AND RUBBER BUSHING MATERIAL				Clamp body (two clamp halves)			Rubber bushing RI		
Code PP : Polypropylene material Colour Green NB: other colours on demand.				 TYPE 1-5			 TYPE 1-5		
Code PA : Polyamide material Colour Black .									
RI - 1 to 5									
For materials characteristics see pages 74 and 76.									
Components description				## - ##, ## - ##			RI	Rubber material code RI	
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD			Code Ve-Lock Type	Outside diameter in mm	Material of clamp body	Code Ve-Lock Rubber bushing Type	ØD1	B
	in mm	nominal bore pipe in inch	in inch						
PCHRI 1	6			PCHRI	6	##	PCHRI - 1	22	31
	8		5/16"	PCHRI	8	##			
	10	1/8"		PCHRI	10	##			
	12			PCHRI	12	##			
	13,5	1/4"		PCHRI	13,5	##			
	14			PCHRI	14	##			
	15			PCHRI	15	##			
	16		5/8"	PCHRI	16	##			
	17,2	3/8"		PCHRI	17,2	##			
	18			PCHRI	18	##			
PCHRI 2	19		3/4"	PCHRI	19	##	PCHRI - 2	32,8	31
	20			PCHRI	20	##			
	8		5/16"	PCHRI	8	##			
	10	1/8"		PCHRI	10	##			
	12			PCHRI	12	##			
	15			PCHRI	15	##			
	16		5/8"	PCHRI	16	##			
	18			PCHRI	18	##			
	20			PCHRI	20	##			
	21,3	1/2"		PCHRI	21,3	##			
PCHRI 3	22			PCHRI	22	##	PCHRI - 3	55	45
	25			PCHRI	25	##			
	26,9	3/4"		PCHRI	26,9	##			
	28			PCHRI	28	##			
	30			PCHRI	30	##			
	32		1.1/4"	PCHRI	32	##			
	28			PCHRI	28	##			
	30			PCHRI	30	##			
	33,7	1"		PCHRI	33,7	##			
	35			PCHRI	35	##			
PCHRI 4	38		1.1/2"	PCHRI	38	##	PCHRI - 4	83,5	60
	40			PCHRI	40	##			
	42,4	1.1/4"		PCHRI	42,4	##			
	48,3	1.1/2"		PCHRI	48,3	##			
	49			PCHRI	49	##			
	58			PCHRI	58	##			
	60,3	2"		PCHRI	60,3	##			
PCHRI 5	63			PCHRI	63	##	PCHRI - 5	110,5	80
	65			PCHRI	65	##			
	70		2.3/4"	PCHRI	70	##			
	73			PCHRI	73	##			
	75	2.1/2"		PCHRI	75	##			
	75			PCHRI	75	##			
	80			PCHRI	80	##			
85			PCHRI	85	##				
90	3"		PCHRI	90	##				
100			PCHRI	100	##				
102	3.1/2"		PCHRI	102	##				
103			PCHRI	103	##				



VE-LOCK

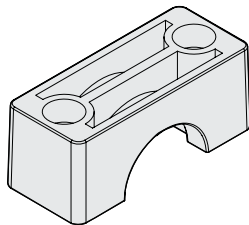
HEAVY SERIES CLAMPS WITH RUBBER BUSHING ORDER CODES

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

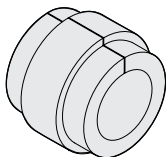


Socked cap screw
Steel 8.8 Metric Thread

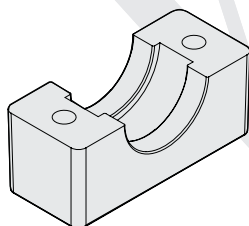
Flat washer in St37.4



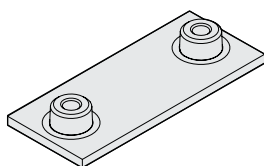
Clamp body
(Two clamp halves)
in Polypropylene



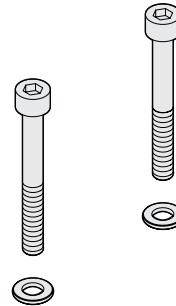
Rubber bushing in NBR70



Weld plate in St37.4
Metric thread
Surface finishing
white zinc-plating

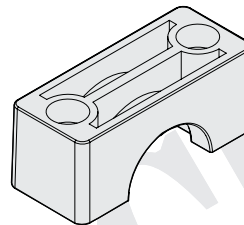


Mounting Example of complete clamp in Polypropylene
with rubber bushing for pipe with outside diameter of 25mm,
with single weld plate and upper plate.

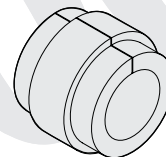


Socked cap screw
Steel 8.8 Metric Thread

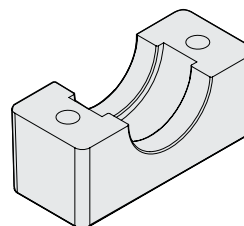
Flat washer in St37.4



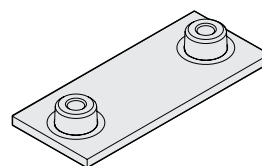
Clamp body
(Two clamp halves)
in Polypropylene

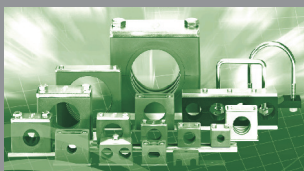


Rubber bushing in NBR70



Weld plate in St37.4
Metric thread
Surface finishing
white zinc-plating

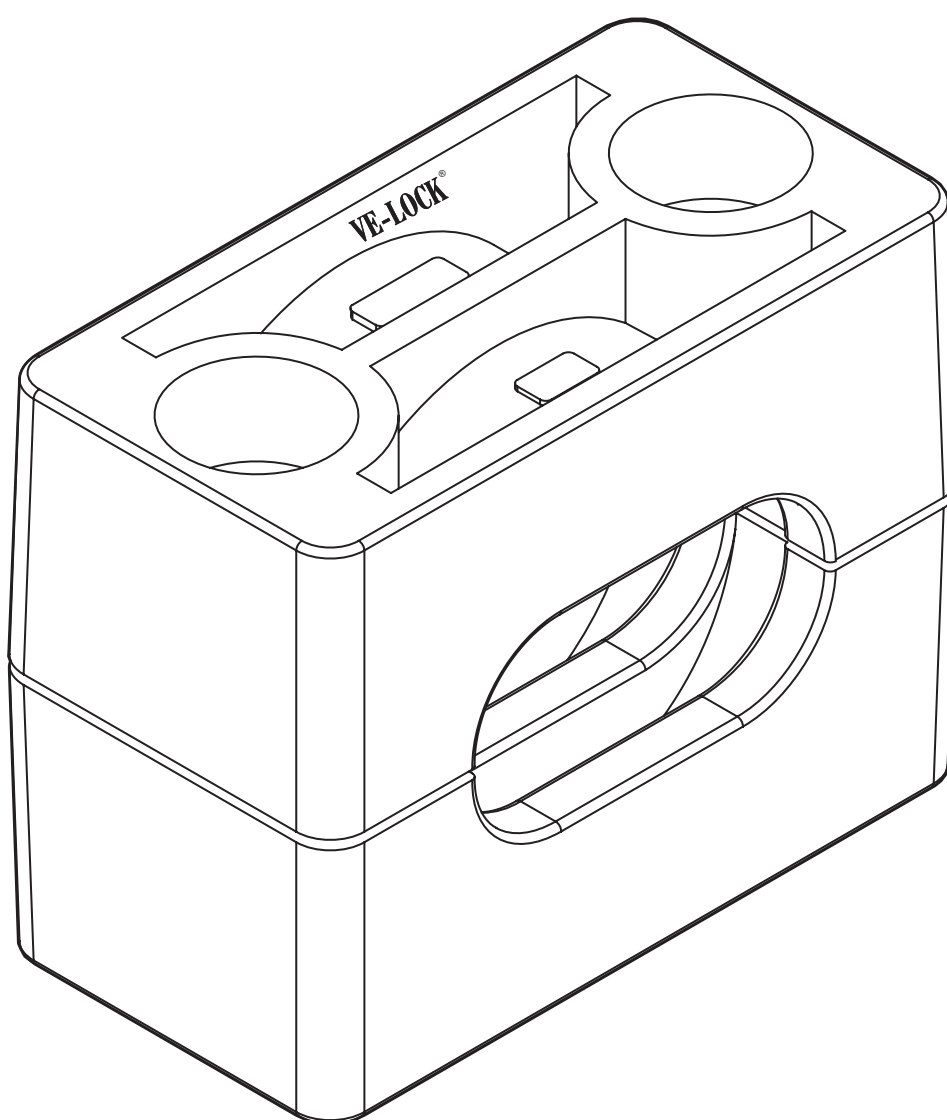




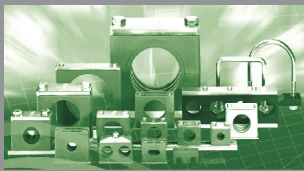
VE-LOCK

STANDARD SERIES CLAMPS FOR TWIN PIPES

- Order codes _ _ _ _ _
- Dimensions _ _ _ _ _
- Mounting example _ _ _ _ _

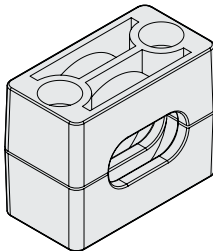
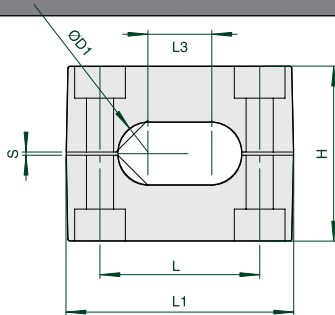


www.vehydraulics.com | www.tubeclampsfittings.com

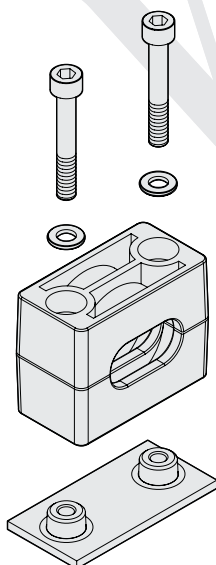


VE-LOCK

STANDARD SERIES CLAMPS FOR TWIN PIPES ORDER CODES

MATERIALS AND TYPE OF THREAD COMPONENTS AND ACCESSORIES				Clamp body (two clamp halves)			Clamp body (two clamp halves)					
Code PP : Polypropylene material Colour Blue NB: other colours on demand.												
Code PA : Polyamide material Colour Black .												
Internal surface clamp body Knurled .												
The clamps are used with components and accessories of the standard series (see pages 4-6). For Dimensions standard series see pages 7-9.												
Components description				PCLT			Material PP-PA code PCLT					
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1			Code Ve-Lock Type	Outside diameter in mm	Material of clamp body	L1	L2	L3	H	S	Width
	in mm	nominal bore pipe in inch	in inch									
PCLT	12-12			PCLT	12	PP / PA	50	33	12	36	0,8	30
PCLT	14-14			PCLT	14	PP / PA	57	40	14	42	1	30
	16-16			PCLT	16	PP / PA			16			
PCLT	20-20			PCLT	20	PP / PA	71	52	22	58	1,4	30

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



Socked cap screw
Steel 8.8 Metric Thread

Flat washer in St37.4

Clamp body
(Two clamp halves)
in Polypropylene

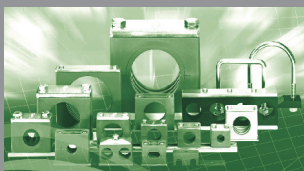
Weld plate in St37.4
Metric thread
Surface finishing
white zinc-plating

NOTES

: material clamp body

PP: Polypropylene

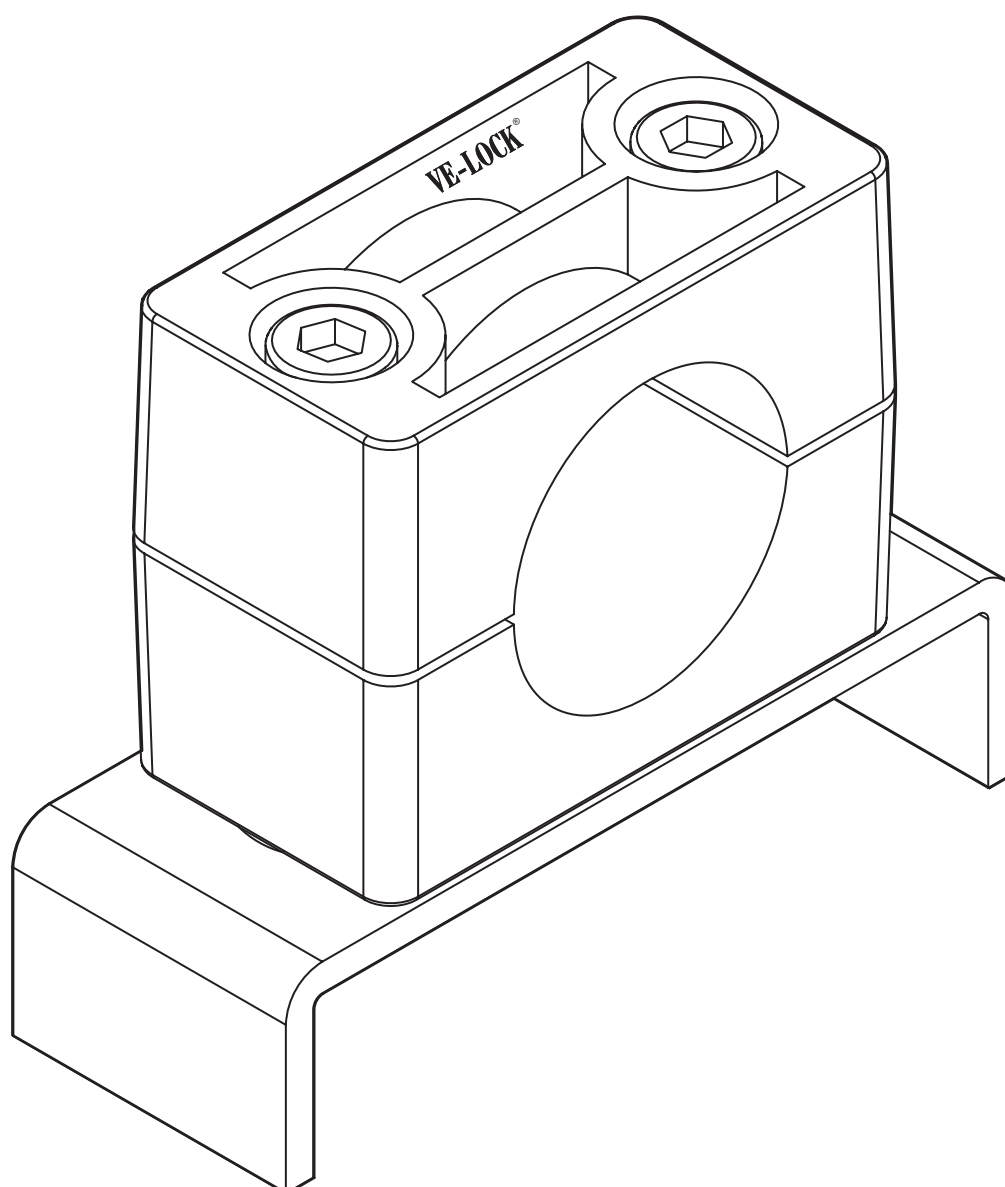
PA: Polyamide



VE-LOCK

STANDARD AND TWIN SERIES CLAMPS WITH SPACED PLATES

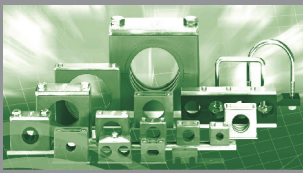
- **standard** series _ _ _ _ _
- **twin** series _ _ _ _ _



www.vehydraulics.com | www.tubeclampsfittings.com



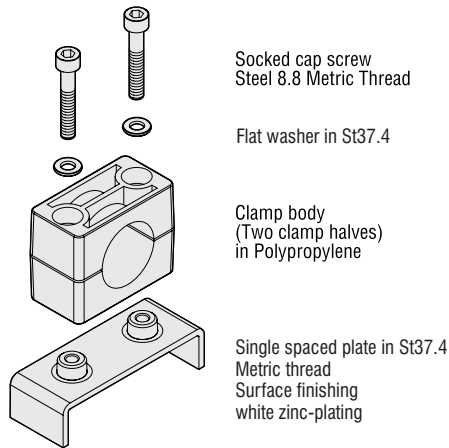




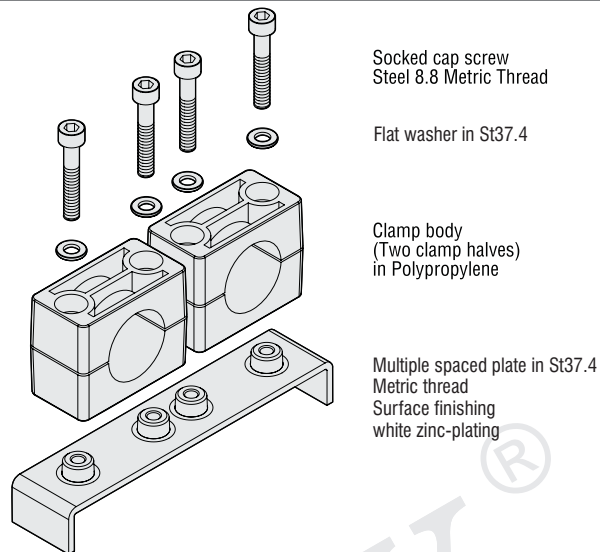
VE-LOCK

STANDARD & TWIN SERIES WITH SPACED PLATES MOUNTING EXAMPLE

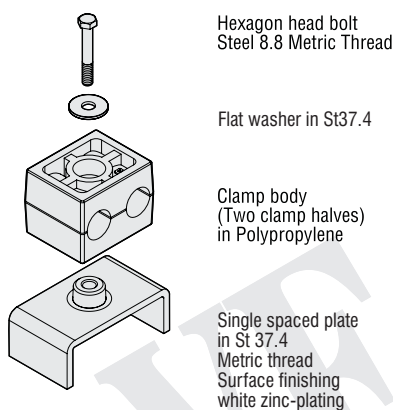
Mounting Example of complete clamp in Polypropylene for pipe with outside diameter of with single spaced plate 1 position.



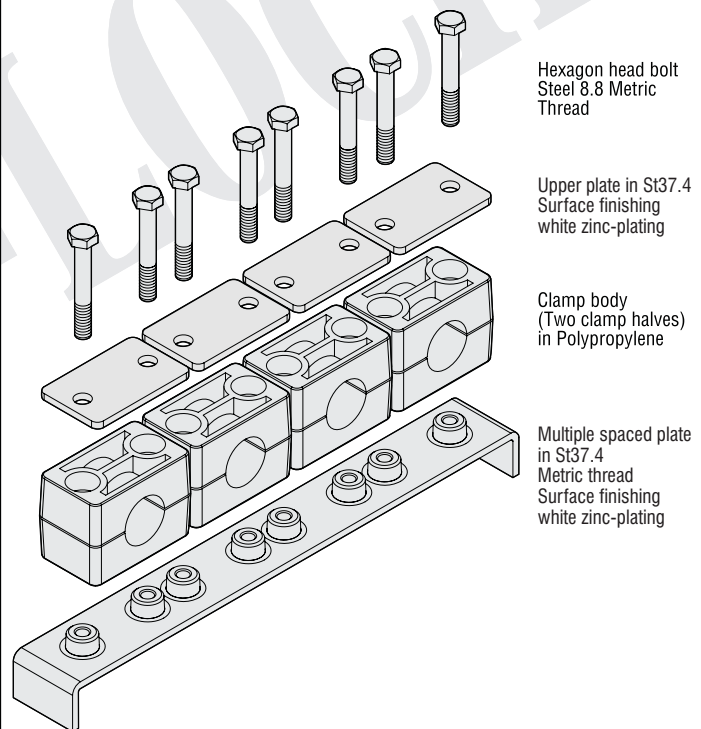
Mounting Example of complete clamp in Polypropylene for pipe with outside diameter of with multiple spaced plate 2 positions.



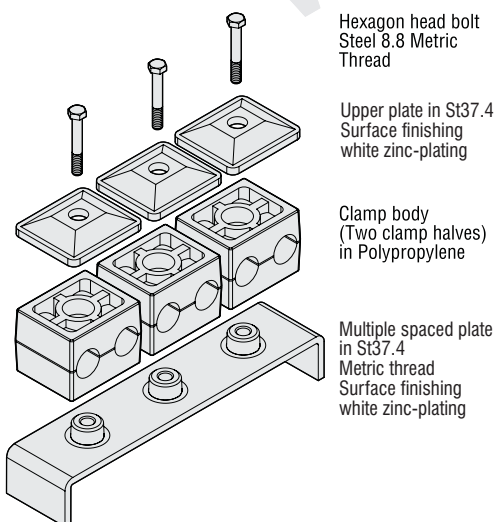
Mounting Example of complete clamp in Polypropylene for pipe with outside diameter of single spaced plate with upper plate.



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



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



NOTES

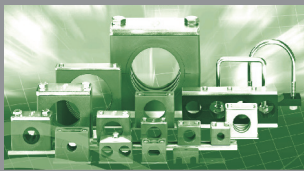
: material clamp body

PP: Polypropylene

AL: Aluminium

PA: Polyamide

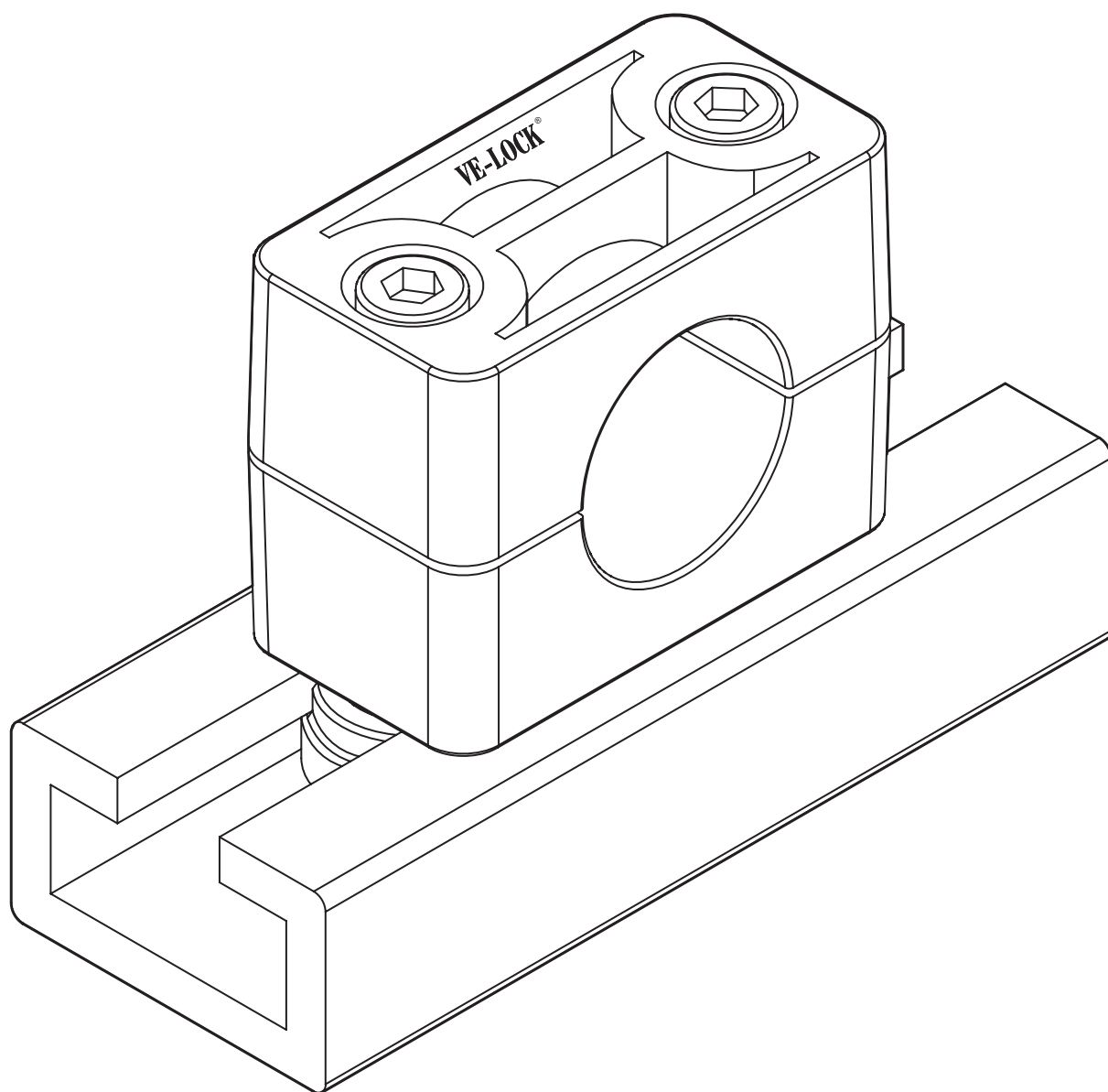
RI: Rubber



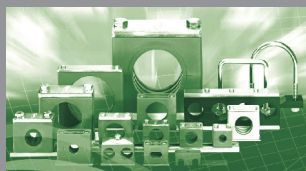
VE-LOCK

STANDARD AND TWIN SERIES CLAMPS WITH MOUNTING RAIL

- **Standard** series _____
- **Twin** series _____

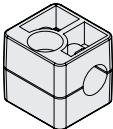
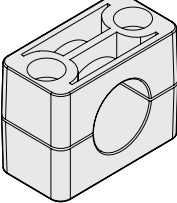


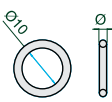
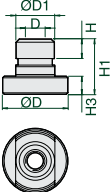
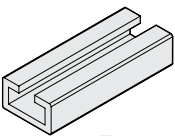


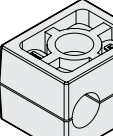
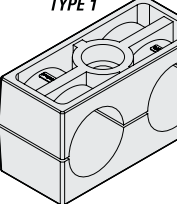


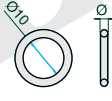
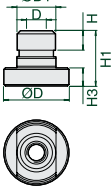
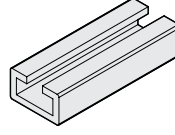
www.vehydraulics.com | www.tubeclampsfittings.com

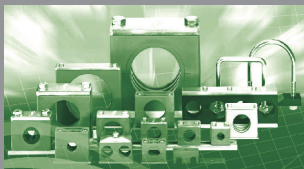


VE-LOCK

MOUNTING WITH CLAMPS RAIL 40X22 ORDER CODES AND DIMENSIONS

Clamp body (two clamp halves)	Rail Nut RN		Mounting Rail MR						
 TYPE 1  TYPE 2-9	 'O' Ring (Optional) use with MR 40x22 	 'O' Ring 							
Standard series clamps	RN	#	Steel lead code DFPS Stainless steel AISI 316L code XDFPS						
For Order Codes standard series clamps, see page 4. For Dimensions standard series clamps, see page 7.	Rail nut Steel C20 and AISI 316L	Type of thread	Code Ve-Lock	ØD1	ØD2	H1	H2	H3	D
For standard series clamps, use rail nut M6 with Rubber ring 'O' Ring - 10 x 2	RN	M6	RN	11,8	20	17	6	5,6	M6

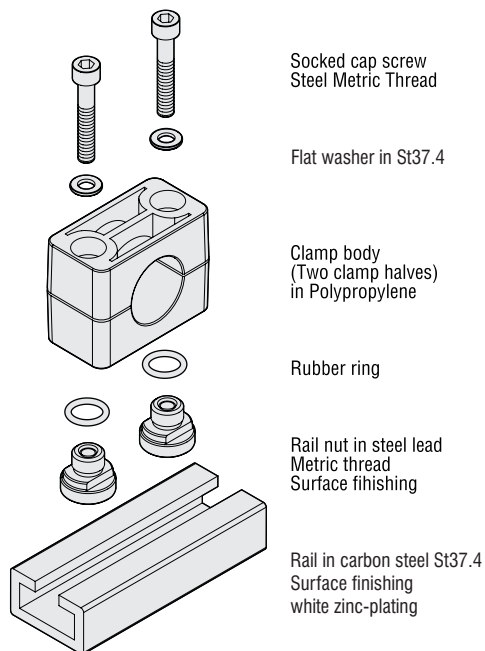
Clamp body (two clamp halves)	Rail Nut RN		Mounting Rail MR						
 TYPE 1  TYPE 2-5	 'O' Ring (Optional) utilizzo con bbP 40x22 	 'O' Ring 							
Twin series clamps	DFPS XDFPS	#	Steel lead code DFPS Stainless steel AISI 316L code XDFPS						
For Order Codes twin series clamps, see page 26. For Dimensions twin series clamps, see page 28.	Rail nut Steel C20 and AISI 316L	Type of thread	Code Ve-Lock	ØD1	ØD2	H1	H2	H3	D
For twin series clamps PCT - 1 use rail nut M6 with Rubber ring 10 x 2	RN	M6	RN	11,8	20	17	6	5,6	M6
For twin series clamps PCT - 2-5 use rail nut M6 with Rubber ring 10 x 2		M8		13,6	20	16,5	5,2	5,5	M8



VE-LOCK

MOUNTING WITH CLAMPS RAIL 40X22 MOUNTING EXAMPLE

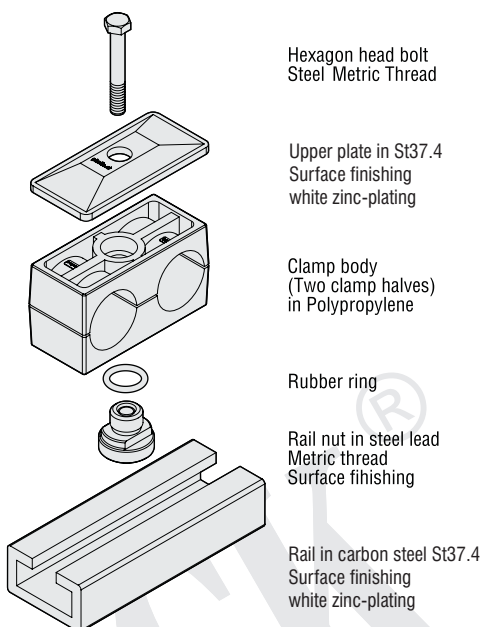
Mounting Example of complete clamp in Polypropylene for pipe with outside diameter of mounting special rail nut.



('O' Ring - Optional)

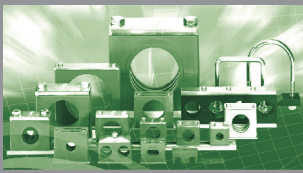
The rail nut is produced with metric thread, on request is also available with UNC thread.
Metric thread: code **M**.
UNC thread: code **UNC**.

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



('O' Ring - Optional)

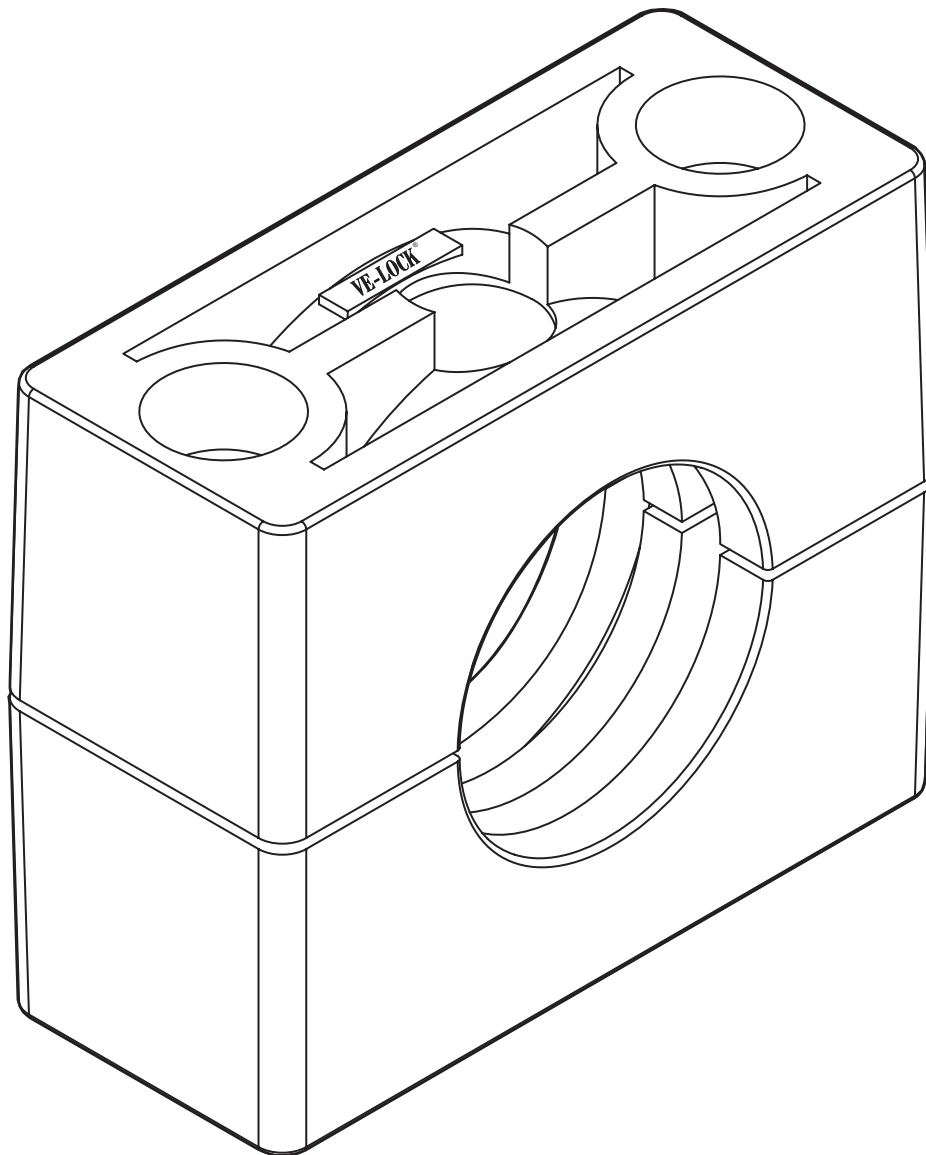
The rail nut is produced with metric thread, on request is also available with UNC thread.
Metric thread: code **M**.
UNC thread: code **UNC**.



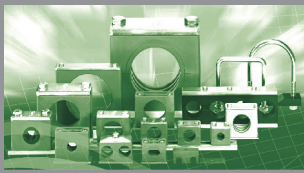
VE-LOCK

SPECIAL CLAMPS

- Order codes _ _ _ _ _
- Dimensions _ _ _ _ _
- Mounting example _ _ _ _ _



www.vehydraulics.com | www.tubeclampsfittings.com

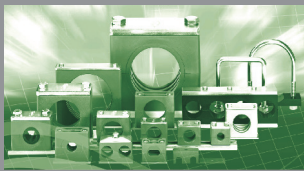


VE-LOCK

SPECIAL CLAMPS ORDER CODES AND DIMENSIONS

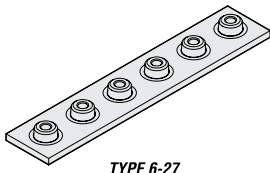
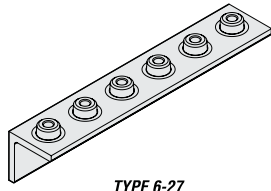
PIPE CLAMPS MATERIAL			Clamp body (two clamp halves)			Single weld plate SWP			Angled single weld plate ASWP		
Code PP : Polypropylene material Colour Green NB: other colours on demand.			<div>SC1</div> <div>SC2</div>			<div>TYPE 2</div> <div>TYPE 3</div>			<div>TYPE 2</div> <div>TYPE 3</div>		
Code PA : Polyamide material Colour Black .											
Code GM : Rubber TC8GPZ material Colour Black .											
Internal surface clamp body Profiled .											
For materials characteristics see page 74.											
Components description			## - ##, ## - ##			PP# XPP#			ASWP		
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose		Code Ve-Lock Type	Outside diameter in mm	Material of clamp body	Single weld plate Carbon steel S360 and AISI 316L Type	Type of thread	Angled single weld plate Carbon steel S360 and AISI 316L Type	Type of thread		
	in mm	nominal bore pipe in inch									
SC1	8		SC1	8	##	SWP 1	M6	ASWP 1	M6		
	10	1/8"		10	##						
	12			12	##						
	14			14	##						
	15			15	##						
	16			16	##						
	17.2	3/8"		17.2	##						
SC2	18		SC2	18	##	SWP 2	M6	ASWP 2	M6		
	20			20	##						
	21.3	1/2"		21.3	##						
	22			22	##						
	23			23	##						
	25			25	##						
	26.9	3/4"		26.9	##						
	28			28	##						
	30			30	##						
	32			32	##						
	34			34	##						
	35			35	##						
	38			38	##						
	40			40	##						
	42	1.1/4"		42	##						

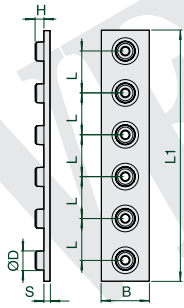
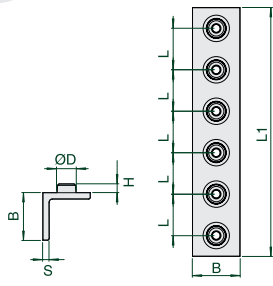
MATERIALS AND TYPE OF THREAD COMPONENTS AND ACCESSORIES			Clamp body (two clamp halves)			Single weld plate PP			Angled single weld plate PA						
All components and accessories are available in: Carbon steel S1360 with finishing surface in white zinc-coated Fe Zn c8 II. Untreated area available on request. Stainless steel inox 316L : (X2 CrNiMo17-12-2) 1.4404 marked with X identification code.			<div>TYPE 2</div> <div>TYPE 3</div>			<div>TYPE 2</div> <div>TYPE 3</div>			<div>TYPE 2</div> <div>TYPE 3</div>						
All the components are produced with metric thread, on request are also available with UNC thread. Metric thread: code M . UNC thread: code UNC .															
Components description			Material PP-PA-GM code S			SWP			ASWP						
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1		L1	L2	L3	H	S	Width	Code Ve-Lock	L1	L2	B	S	H	ØD
	in mm	nom. bore pipe in inch													
SC1	8		43	26	---	33	0,8	30	SWP 1	52	26	30	4	5,5	12
	10	1/8"													
	12														
	14														
	15														
	16														
	17.2	3/8"													
SC2	18		70	52	26	57	1	30	SWP 2	78	26	30	4	5,5	12
	20														
	21.3	1/2"													
	22														
	23														
	25														
	26.9	3/4"													
	28														
	30														
	32														
	34														
	35														
	38														
	40														
	42	1.1/4"													

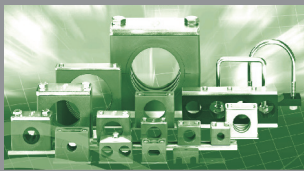


VE-LOCK

SPECIAL CLAMPS ORDER CODES AND DIMENSIONS

Multiple weld plate MWP				Angled multiple weld plate AMWP			
							
MWP				AMWP			
#				#			
Single weld plate Carbon steel S360 and AISI 316L Type		Type of thread		Angled multiple weld plate Carbon steel S360 and AISI 316L Type		Type of thread	
MWP 6		M6		AMWP 6		M6	
MWP 9				AMWP 9			
MWP 12				AMWP 12			
MWP 15				AMWP 15			
MWP 20				AMWP 20			
MWP 27				AMWP 27			

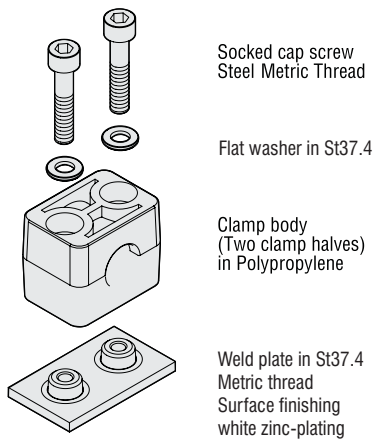
Multiple weld plate MWP							Angled multiple weld plate AMWP						
													
TYPE 6-27							TYPE 6-27						
MWP							AMWP						
Code Ve-Lock	L1	L2	B	S	H	ØD	Code Ve-Lock	L1	L2	B	S	H	ØD
SPC 6	156	26	30	4	5,5	12	SPCA 6	156	26	30	4	5,5	12
SPC 9	234	26	30	4	5,5	12	SPCA 9	234	26	30	4	5,5	12
SPC 12	312	26	30	4	5,5	12	SPCA 12	312	26	30	4	5,5	12
SPC 15	390	26	30	4	5,5	12	PCLA 15	390	26	30	4	5,5	12
SPC 20	520	26	30	4	5,5	12	PCLA 20	520	26	30	4	5,5	12
SPC 27	702	26	30	4	5,5	12	PCLA 27	702	26	30	4	5,5	12



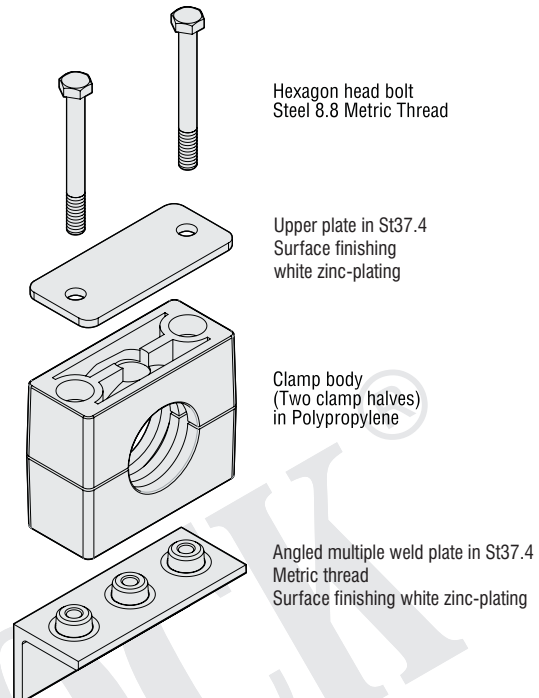
VE-LOCK

SPECIAL CLAMPS MOUNTING EXAMPLE

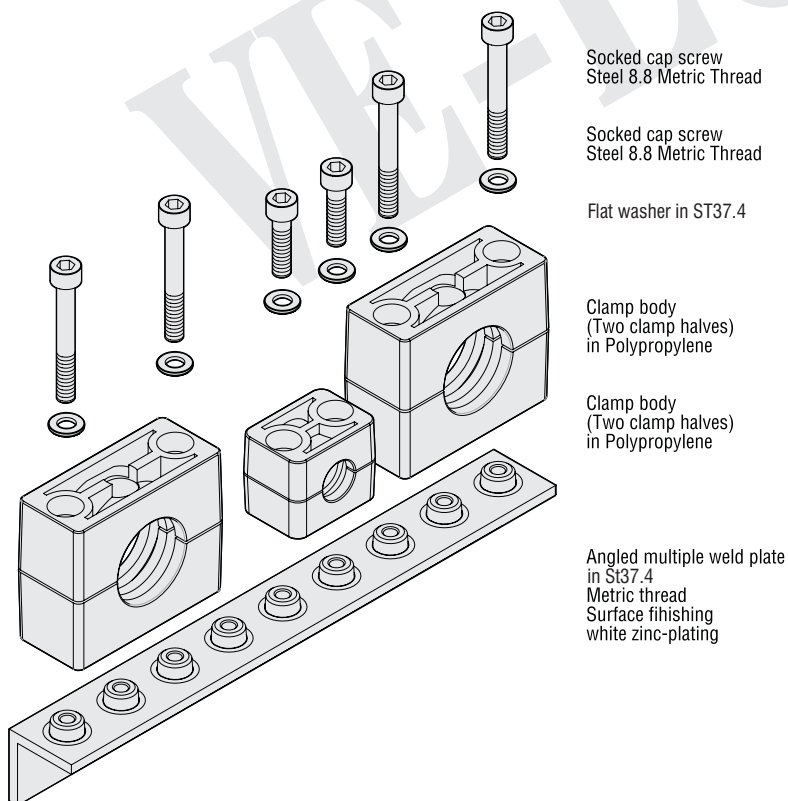
Mounting Example of complete clamp in Polypropylene for pipe with single weld plate.



Mounting Example of complete clamp in Polypropylene for pipe with angled single weld plate.



Mounting Example of complete clamp in Polypropylene with outside diameter 18 mm
in Polypropylene with outside diameter of 30mm with angled multiple weld plate.



NOTES

: material clamp body

PP: Polypropylene

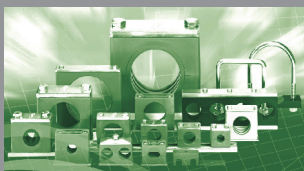
PA: Polyamide

RI: Rubber NBR

This clamps type has the same characteristics as standard series.

It is very versaille. That's why it covers a diameter range from 8mm to 42,4mm with only two clamp types.

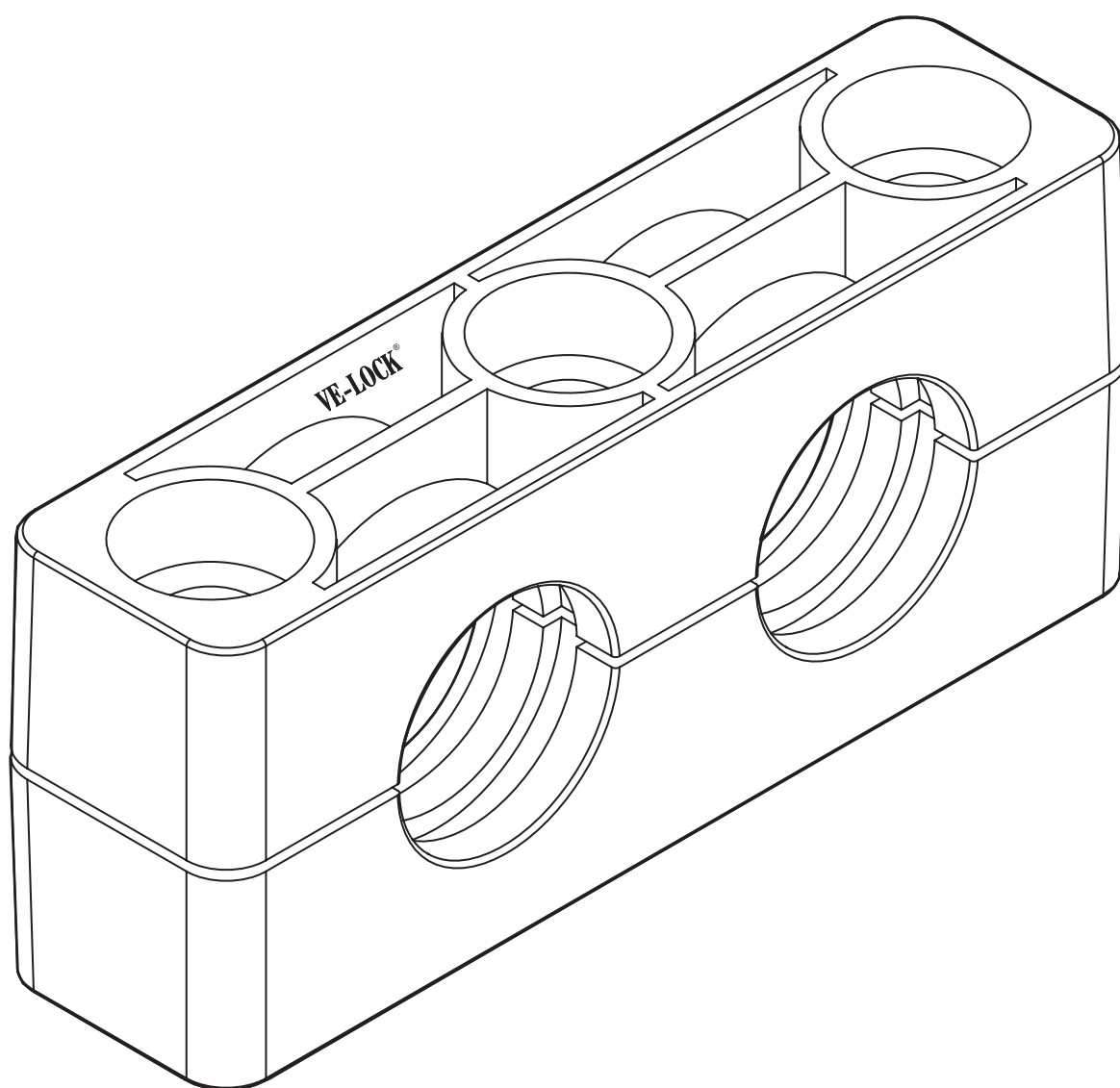
Furthermore these two clamp types can be mounted on multiple plates without distinction.



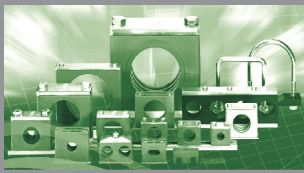
VE-LOCK

HEAVY SERIES TWIN DESIGN CLAMPS

- Order codes _ _ _ _ _
- Dimensions _ _ _ _ _
- Mounting example _ _ _ _ _



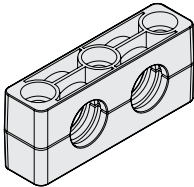
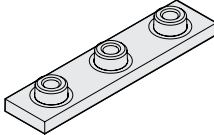
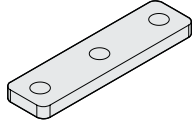
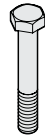
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

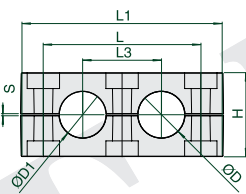
HEAVY SERIES TWIN DESIGN CLAMPS

Order Codes, Dimensions And Mounting Example

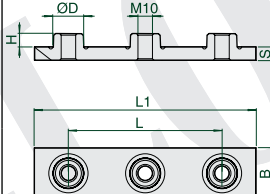
PIPE CLAMPS MATERIAL				Clamp body (two clamp halves)		Weld plate WP		TDP plate TP		Hexagon head bolt HB	
Code PP : Polypropylene material Colour Green NB: other colours on demand.											
Code PA : Polyamide material Colour Black .											
Code GM : Rubber TC8GPZ material Colour Black .											
Internal surface clamp body Knurled . NB Different diameters are available on demand.				TYPE 2-3		TYPE 2-3		TYPE 2-3			
Components description				PCHT		WP		TP		HB	
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose			Code Ve-Lock Type	Outside diameter in mm	Material of clamp body	Weld plate S1430 and AISI 316L Type	Type of thread	Upper plate S1430 and AISI 316L Type	Hexagon head bolt Steel 8.8 and A4 Type	Type of thread
	in mm	nominal bore pipe in inch	in inch								
PCHT	19		3/4"	PCHT 2	19	##	WP 2	M10	TP 2	HB 2	M10x60
	20				20	##					
	21,3	1/2"			21,3	##					
	22		7/8"		22	##					
	25,4		1"		25,4	##					
PCHT	26,9	3/4"		PCHT 3	26,9	##	WP 3	M10	TP 3	HB 3	M10x70
	32		1.1/4"		32	##					
	33,7	1"			33,7	##					
	38		1.1/2"		38	##					
	40				40	##					
PCHT	42	1.1/4"			42	##					

All components and accessories
are available in:
Carbon steel **St360** with finishing
surface in white zinc-coated
Fe Zn c8 II. Untreated area available
on request.
Stainless steel **inox 316L**:
(X2 CrNiMo17-12-2) 1.4404
marked with **X** identification code.

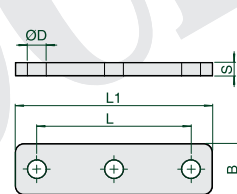
All the components are produced
with metric thread, on request are
also available with UNC thread.
Metric thread: code **M**.
UNC thread: code **UNC**.



TYPE 2-3



TYPE 2-3

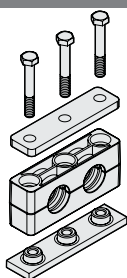


TYPE 2-3



Materials description				PCHT						WP						TP						HB		
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1-ØD2			L1	L2	L3	H	S	Width	Code Ve-Lock	L1	L2	B	S	H	ØD	Code Ve-Lock	L1	L2	B	S	ØD	Code Ve-Lock	DxL
	in mm	nominal bore pipe in inch	in inch																					
PCHT	19		3/4"	115	90	45	48	1	30	WP 2	130	90	30	8	8,5	18	TP 2	115	90	30	8	11	HB 2	M10x60
	20																							
	21,3	1/2"																						
	22		7/8"																					
	25,4		1"																					
PCHT	26,9	3/4"		145	120	60	60	1,2	30	WP 3	160	120	30	8	8,5	18	TP 3	145	120	30	8	11	HB 3	M10x70
	32		1.1/4"																					
	33,7	1"																						
	38		1.1/2"																					
	40																							
PCHT	42	1.1/4"																						

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



Hexagon head bolt Steel Metric Thread

Upper plate in St37.4 Surface finishing white zinc-plating

Clamp body (Two clamp halves) in Polypropylene

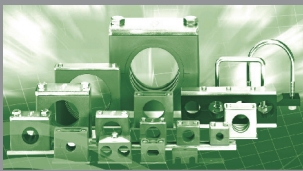
Weld plate in St37.4 Metric thread
Surface finishing white zinc-plating

NOTES

: material clamp body

PP: Polypropylene

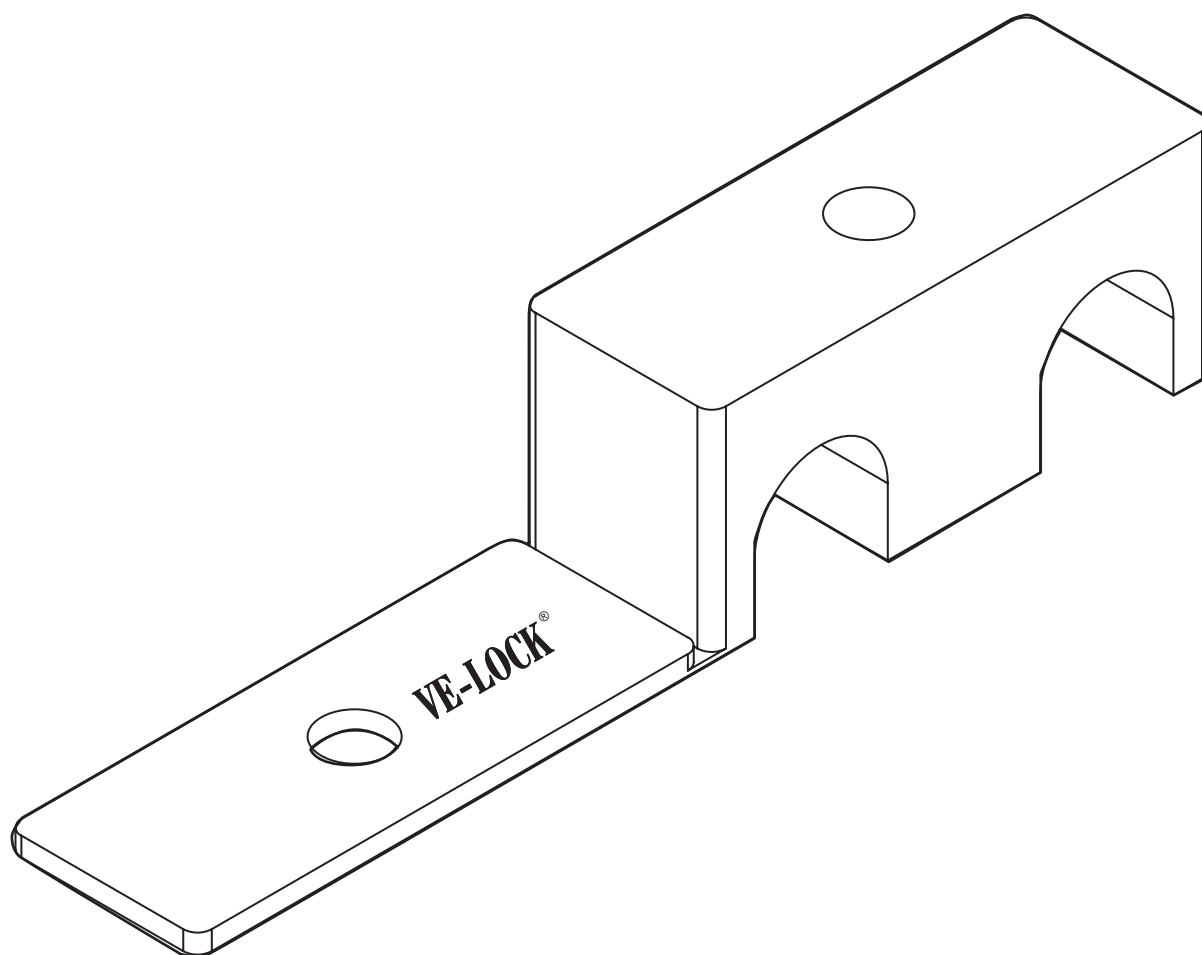
PA: Polyamide



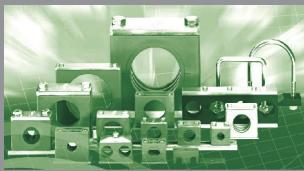
VE-LOCK

LIGHT SERIES CLAMPS

- Order codes _ _ _ _ _
- Dimensions _ _ _ _ _

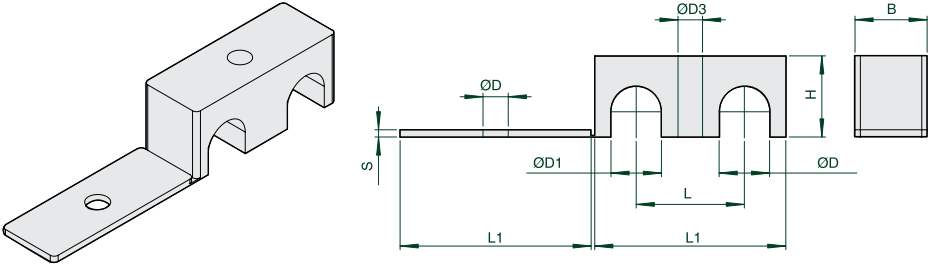


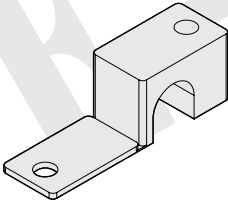
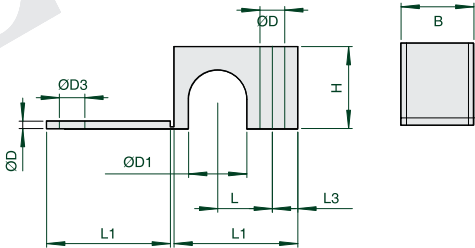
www.vehydraulics.com | www.tubeclampsfittings.com

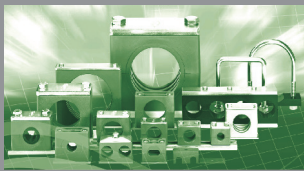


VE-LOCK

LIGHT SERIES CLAMPS ORDER CODES AND DIMENSIONS

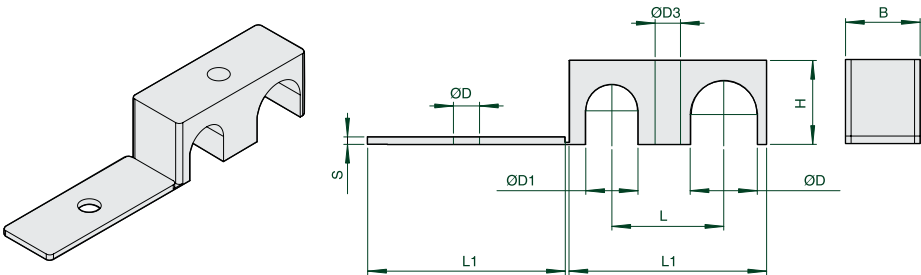
PIPE CLAMPS MATERIAL				Type A (identical diameters)									
Code PP : Polypropylene material Colour Green NB: other colours on demand.													
Internal surface clamp body Smooth .													
For materials characteristics see pages 74 and 76.													
				## - ##, ## - ##			Dimensions Type A (identical diameters)						
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1 / ØD2			Code Ve-Lock	Outside diameter in mm	Materiale del corpo collare	L1	L2	B	H	S	ØD3	ØD4
	in mm	nominal bore pipe in inch	in inch										
A	4			A	4	##	31	18	12,8	10,5	2	6,8	7
	6				6	##							
	8				8	##							
	9,5		3/8"		9,5	##	39	22	16	15	2	6,8	7
	10	1/8"			10	##							
	12				12	##							
	12,7		1/2"		12,7	##	53	30	20	22,5	2	6,8	7
	13,5	1/4"			13,5	##							
	14				14	##							
	15				15	##							
	16		5/8"		16	##							
	17,2	3/8"			17,2	##	70	38	20	30	2	6,8	7
	18				18	##							
	19		3/4"		19	##							
	20				20	##							
21,3	1/2"		21,3	##									
22			22	##									
25,4		1"	25,4	##									

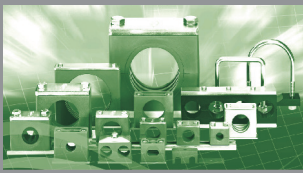
PIPE CLAMPS MATERIAL				Type B										
Code PP : Polypropylene material Colour Green NB: other colours on demand.				 										
Internal surface clamp body Smooth .														
For materials characteristics see pages 74 and 76.														
				## - ##, ## - ##			Dimensions Type B							
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1			Code Ve-Lock	Outside diameter in mm	Material of clamp body	L1	L2	L3	B	H	S	ØD2	ØD3
	in mm	nominal bore pipe in inch	in inch											
B	4			B	4	##	22	9	6,5	12,8	10,5	2	6,8	7
	6				6	##								
	8				8	##								
	9,5		3/8"		9,5	##	27	13	5	16	15	2	6,8	7
	10	1/8"			10	##								
	12				12	##								
	12,7		1/2"		12,7	##	34	15	7	20	22,5	2	6,8	7
	13,5	1/4"			13,5	##								
	14				14	##								
	15				15	##								
	16		5/8"		16	##								
	17,2	3/8"			17,2	##	42	19	7	20	30	2	6,8	7
	18				18	##								
	19		3/4"		19	##								
	20				20	##								
	21,3	1/2"			21,3	##								
	22				22	##								
	25,4		1"		25,4	##								



VE-LOCK

LIGHT SERIES CLAMPS ORDER CODES AND DIMENSIONS

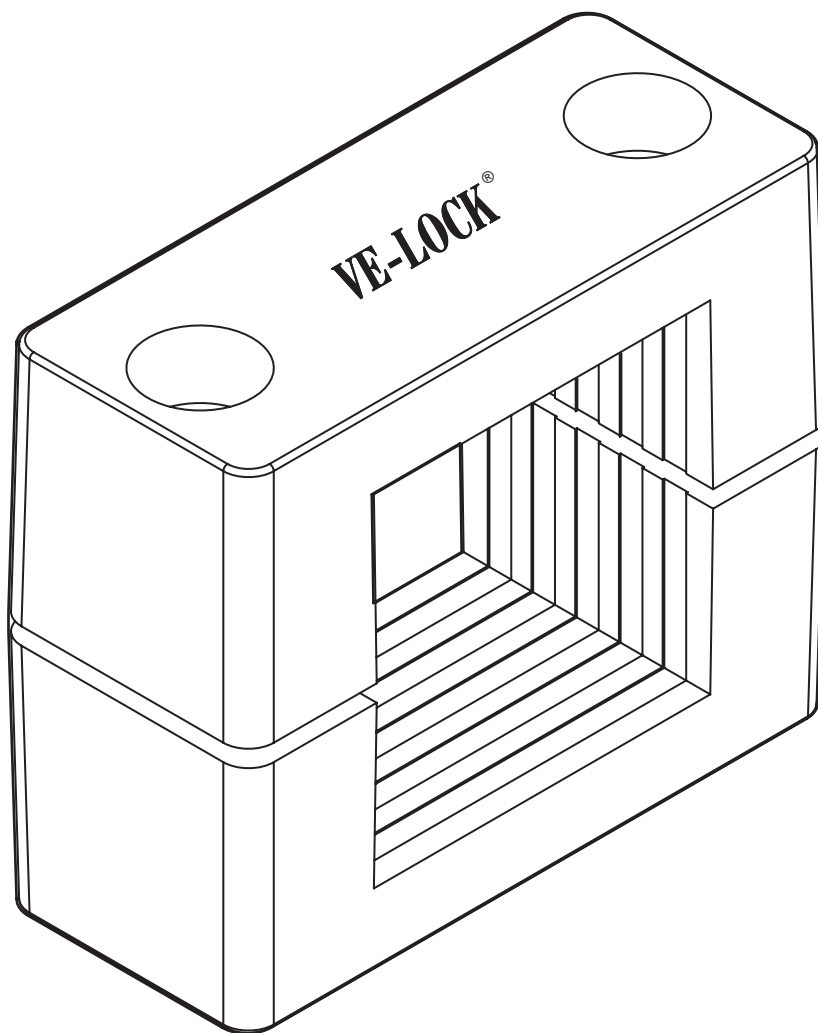
PIPE CLAMPS MATERIAL				Type C (different diameters)									
Code PP : Polypropylene material Colour Green NB: other colours on demand.													
Internal surface clamp body Smooth .													
For materials characteristics see pages 74 and 76.													
				# # - # #, # # - # #			Dimensions Type C (different diameters)						
Code Ve-Lock clamp body	O.D. of Pipe/Tube/Hose ØD1 / ØD2			Code Ve-Lock	Outside diameter in mm	Material of clamp body	L1	L2	B	H	S	ØD3	ØD4
	in mm	nominal bore pipe in inch	in inch										
C	4-6			C	4-6	# #	31	18	12,8	10,5	2	6,8	7
	4-6				4-6	# #							
	4-6				4-6	# #							
	10-9,5	1/8"	3/8"		10-9,5	# #	39	22	16	15	2	6,8	7
	12-9,5		3/8"		12-9,5	# #							
	10-12	1/8"			10-12	# #							
	13,5-12,7	1/4"	1/2"		13,5-12,7	# #	53	30	20	22,5	2	6,8	7
	14-12,7		1/2"		14-12,7	# #							
	15-12,7		1/2"		15-12,7	# #							
	16-12,7		1/2"		16-12,7	# #							
	17,2-12,7	3/8"	1/2"		17,2-12,7	# #							
	18-12,7		1/2"		18-12,7	# #							
	13,5-14	1/4"			13,5-14	# #							
	13,5-15	1/4"			13,5-15	# #							
	13,5-16	1/4"	5/8"		13,5-16	# #							
	13,5-17,2	1/4"-3/8"			13,5-17,2	# #							
	13,5-18	1/4"			13,5-18	# #							
	14-15				14-15	# #							
	14-16		5/8"		14-16	# #							
	17,2-14	3/8"			17,2-14	# #							
	14-18				14-18	# #							
	15-16		5/8"		15-16	# #							
	17,2-15	3/8"			17,2-15	# #							
	15-18				15-18	# #							
	17,2-16	3/8"	5/8"		17,2-16	# #							
	16-18				16-18	# #							
	17,2-18	3/8"			17,2-18	# #							
	20-19		3/4"		20-19	# #	70	38	20	30	2	6,8	7
	21,3-19	1/2"	3/4"		21,3-19	# #							
	22-19		3/4"		22-19	# #							
	25,4-19		1"-3/4"		25,4-19	# #							
	21,3-20	1/2"			21,3-20	# #							
	22-20				22-20	# #							
	21,3-22	1/2"			21,3-22	# #							
	21,3-25,4	1/2"	1"		21,3-25,4	# #							
	22-25,4		1"		22-25,4	# #							



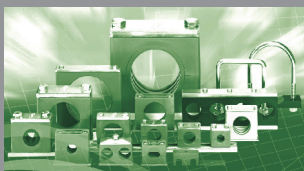
VE-LOCK

SPECIAL CLAMPS FOR INDUSTRIAL ELECTRIC APPLICATION AND CUSTOM DESIGNED CLAMPS

- Mounting example



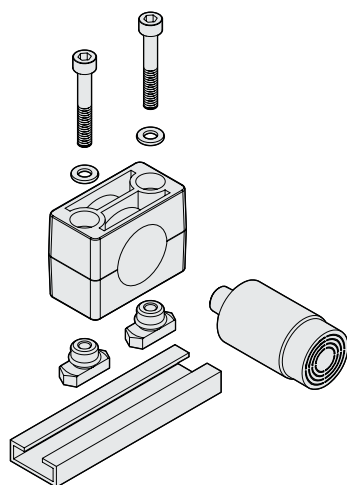
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

SPECIAL CLAMPS FOR INDUSTRIAL ELECTRIC APPLICATION AND CUSTOM DESIGNED CLAMPS

Proximity switches cylindrical



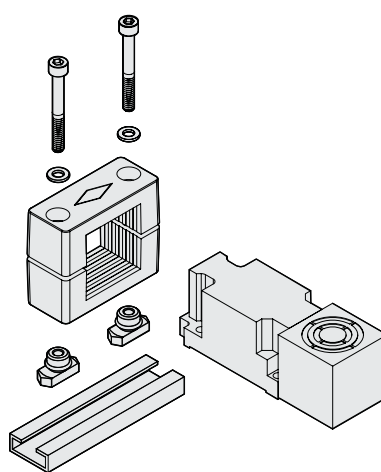
Order code: see standard series.

Proximity switches Cylindrical type.

Mounting clamps and accessories standard series.

We recommend the use of the rail for the axial and horizontal position adjustment.

Proximity switches rectangular type

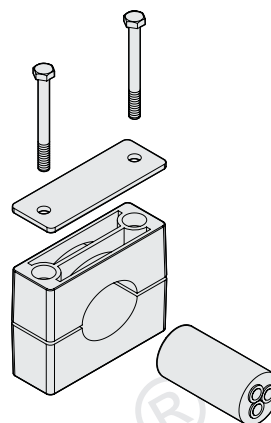


Proximity switches Rectangular type.

Mounting clamp and accessories standard series.

We recommend the use of the rail for the axial and horizontal position adjustment.

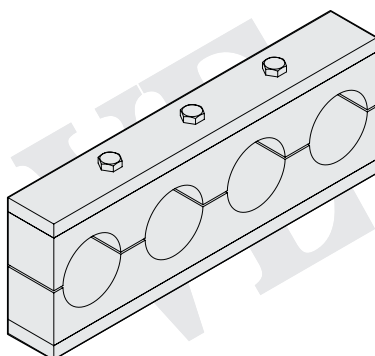
For clamping of electric cables



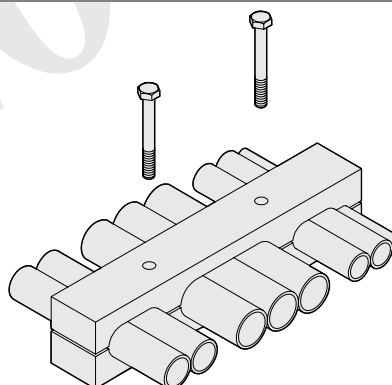
Clamps with oval hole for fixing electric cables.

Accessories: see Standard series and Heavy series.

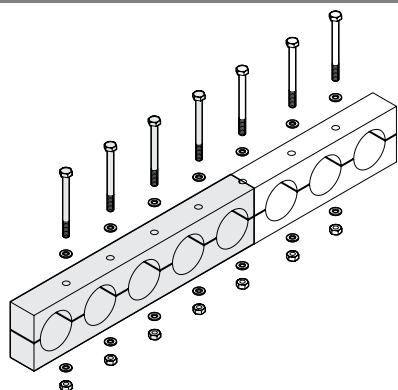
Special clamps to 4 diameters



Special clamps for tubes side by side



Special clamps from 5 to 8 diameters

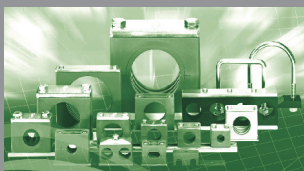


NOTES

Custom designed pipe clamps, according to customer's specifications.

Accessories are available on request.

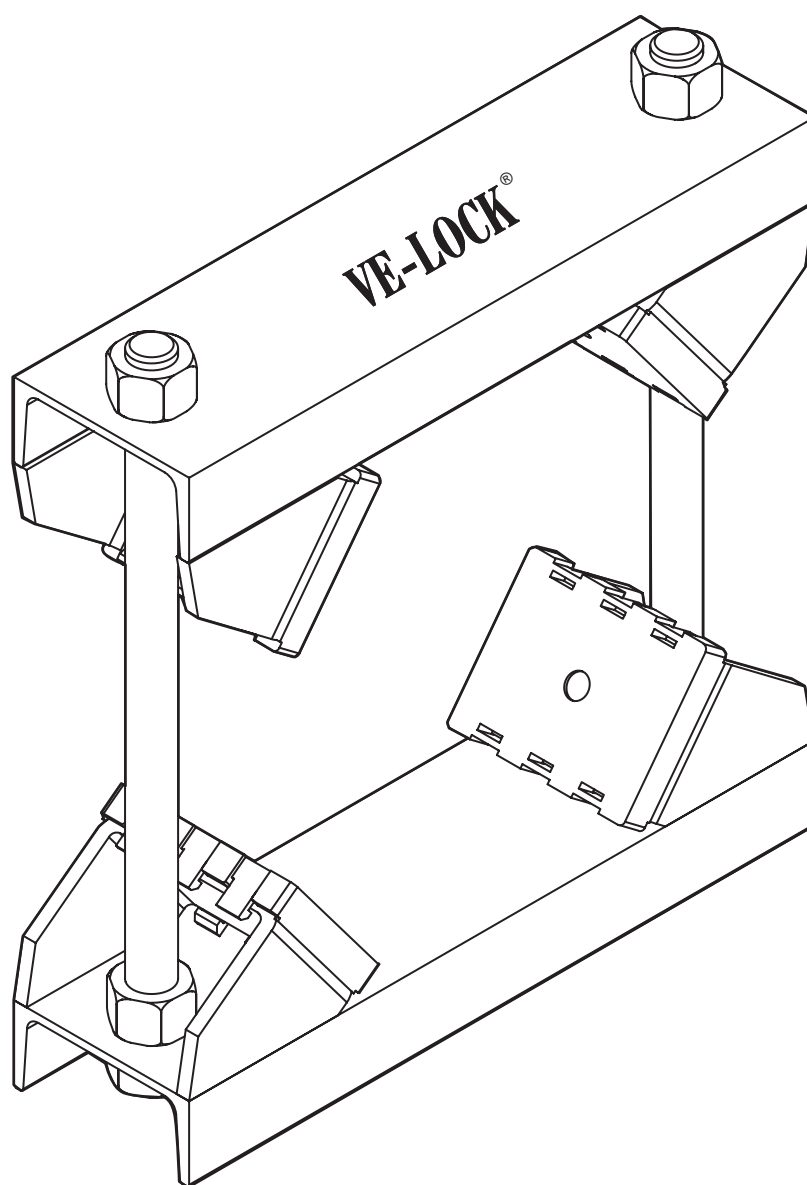
Materials: plastics and metal accessories.



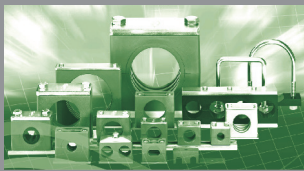
VE-LOCK

SUPER HEAVYWEIGHT SERIES

- Order codes _____
- Dimensions _____

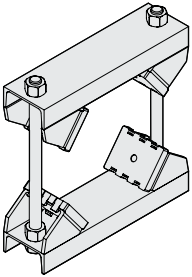
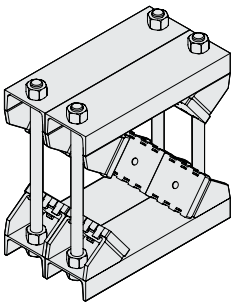
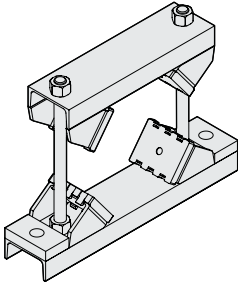
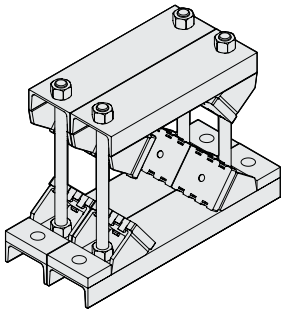
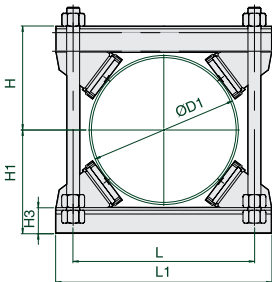
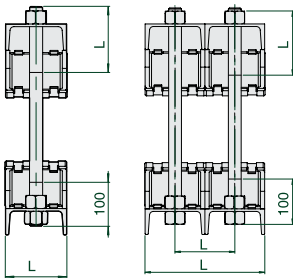
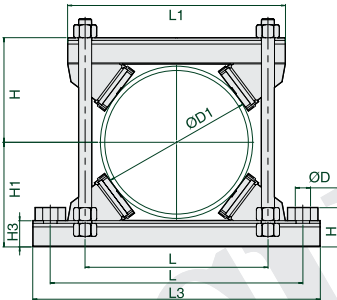
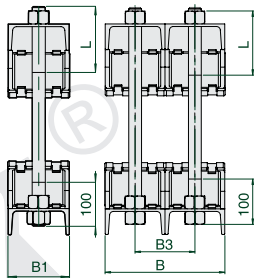


www.vehydraulics.com | www.tubeclampsfittings.com

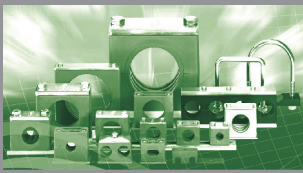


VE-LOCK

SUPER HEAVYWEIGHT SERIES ELECTRO-WELDED CLAMPS

Clamp body (electro-welded) KS									Clamp body (electro-welded) DKS									Clamp body (electro-welded) KS (Extended)									Clamp body (electro-welded) DKS (Extended)								
																																			
																																			
Carbon steel St430 code SSP - SSP PL SSP CD - SSP PL CD Electro-welded clamp with U profile NP 140 Surface finishing zinc plated Fe Zn c8 II									Steel brace in Carbon steel C45 Surface finishing zinc plated Fe Zn c8 II									Zinc plated nut M30 zincato bianco Plastic pads Polypropylene									Elongated plate extended inserts on request Carbon steel St430								
Code Ve-Lock	O.D. of pipe ØD1	L1	L2	L3	L4	H1	H2	H3	H4	B1	B2	B3	ØD2	Steel brace	L5	Nut	Number of nuts	Number of plastic pads																	
10	116-220	405	300	565	460	210	210	60	90	140	290	150	31	M30x420	120	M30	6 12 for DKS	4 8 for DKS																	
20	221-275	440	334	600	494	220	220	60	90	140	290	150	31	M30x450	150		6 12 for DKS	4 8 for DKS																	
30	276-325	460	375	620	535	245	245	60	90	140	290	150	31	M30x510	198		6 12 for DKS	4 8 for DKS																	
40	326-370	500	420	660	580	270	270	60	90	140	290	150	31	M30x550	150		6 12 for DKS	4 8 for DKS																	
50	371-425	560	475	720	635	300	300	60	90	140	290	150	31	M30x620	198		6 12 for DKS	4 8 for DKS																	
60	426-480	620	535	800	735	325	325	60	90	140	290	150	31	M30x680	180		6 12 for DKS	4 8 for DKS																	
70	481-550	700	605	880	805	360	360	60	90	140	290	150	31	M30x730	198		6 12 for DKS	4 8 for DKS																	
80	551-630	760	670	940	870	410	410	60	90	140	290	150	31	M30x800	198		6 12 for DKS	4 8 for DKS																	
90	631-715	845	755	1025	955	452	452	60	90	140	290	150	31	M30x884	280		6 12 for DKS	4 8 for DKS																	
100	716-800	940	850	1120	1050	495	495	60	90	140	290	150	31	M30x970	170		6 12 for DKS	4 8 for DKS																	

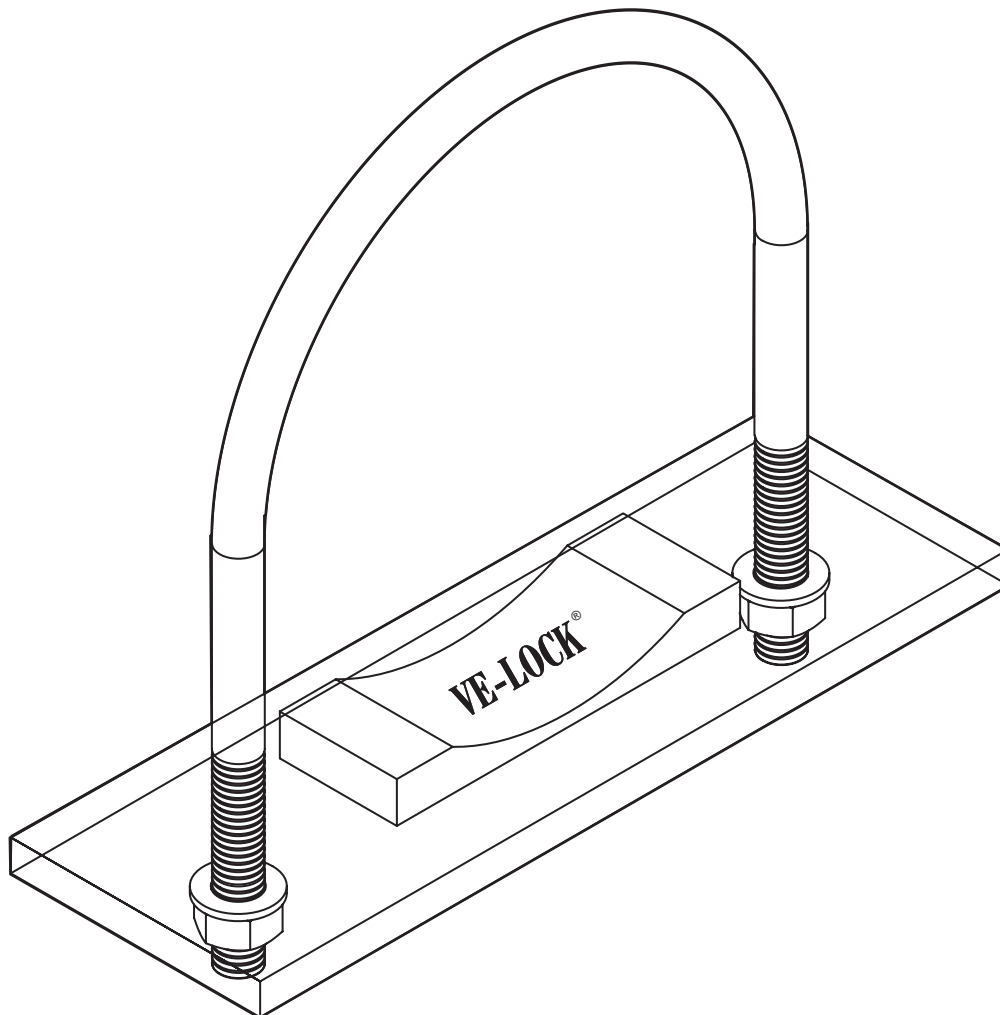
NOTE : FROM CODE 10-100 AVAILABLE IN ALL KS / DKS / KS (EX.) / DKS (EX.)



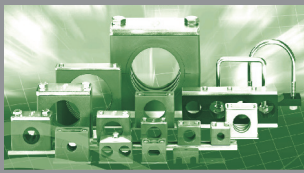
VE-LOCK

U-BOLT CLAMPS

- **Light** U-bolt clamp _ _ _ _ _
- **Medium** U-bolt clamp _ _ _ _ _
- **Heavy** U-bolt clamp _ _ _ _ _
- Round steel U-bolt clamp according to **DIN 3570** _ _ _ _ _

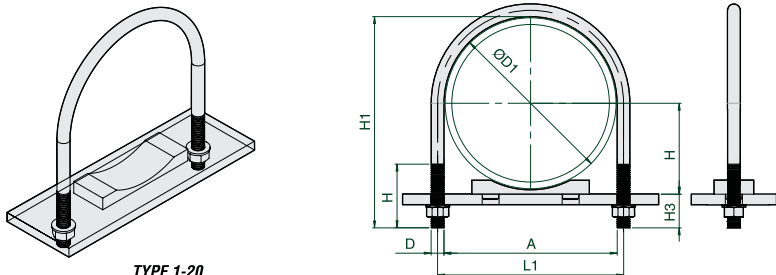
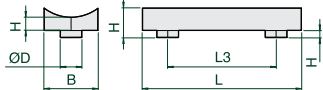
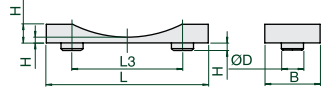


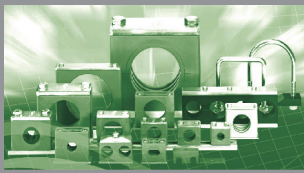
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

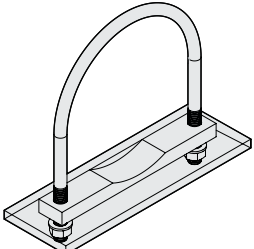
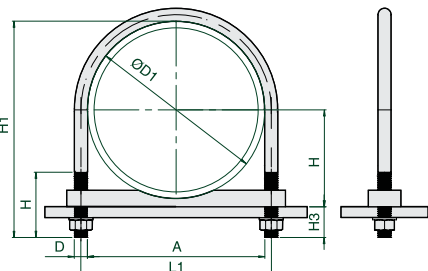
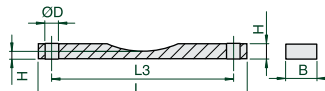
LIGHT SERIES U-BLOT WITH SADDLE BASE

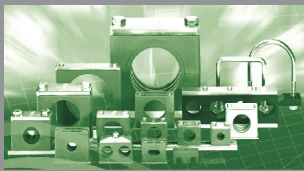
Light series U-bolt UB											Plastic pipe saddle SDB													
 TYPE 1-20											 TYPE 5-7  TYPE 8-20													
For material characteristics see page 74.			UB								SDB													
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers. The U-bolts finish CRAPAL with flanged nuts DIN 6923 Dacromet.								Plastic pipe saddle on demand.													
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	H7	ØD2							
1	10	1/8"	St430 Zinc plated St430 Crapal AISI 304L washed	11	17	31 29	19	20 18	5	M6	---													
2	13,5	1/4"	St430 Zinc plated St430 Crapal AISI 304L washed	14	20	34 32		19,2 17,2	6,8		---													
3	17,2	3/8"	St430 Zinc plated St430 Crapal AISI 304L washed	18	24	37 36		18,4 17,4	8,6		---													
4	21,3	1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	22	28	43 40	25	20,4 17,4	10,6	M6	---													
5	26,9	3/4"	St430 Zinc plated St430 Crapal AISI 304L washed	27	33	47 45		14,5 12,5	18,5		35	25	24	5	13	5	8							
6	33,7	1"	St430 Zinc plated St430 Crapal AISI 304L washed	34	40	55 52		15,2 12,2	21,8															
7	42,4	1.1/4"	St430 Zinc plated St430 Crapal AISI 304L washed	43	49	63 61	15 13	26	M8															
8	48,3	1.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	49	57	73 70	30	18,8 15,8	29,2	M8	38	50	16	6	10	10	10							
9	60,3	2"	St430 Zinc plated St430 Crapal AISI 304L washed	61	69	85 82		18,8 15,8	35,2															
10	76,1	2.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	77	85	101 98		19 16	43									M8						
11	88,9	3"	St430 Zinc plated St430 Crapal AISI 304L washed	89	97	113 110	35	15,5 12,5	52,5	M8	75	40	70	27	15	15	15							
12	102	3.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	102	110	130 127		19 16	59															
13	114,3	4"	St430 Zinc plated St430 Crapal AISI 304L washed	115	123 125 123	139		18,8 15,8	65,2									M10 M8						
14	139,7	5"	St430 Zinc plated St430 Crapal AISI 304L washed	140	148 150 148	169	45	20,2 16,2	77,8	M10 M8	140	90	75	8	10	25	25							
15	168	6"	St430 Zinc plated St430 Crapal AISI 304L washed	168	178	202 196		26 20	92	M10														
16	219	8"	St430 Zinc plated St430 Crapal AISI 304L washed	220	230	254 248		26,5 20,5	117,5															
17	273	10"	St430 Zinc plated St430 Crapal AISI 304L washed	274	284	308 302	26,5 20,5	144,5																
18	324	12"	St430 Zinc plated	324	340	368	60	36	170	M16								220	150	42	30	30	30	30
19	356	14"	St430 Zinc plated	356	372	400		36	186															
20	406,4	16"	St430 Zinc plated	408	424	452		37	211															



VE-LOCK

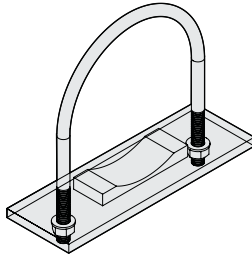
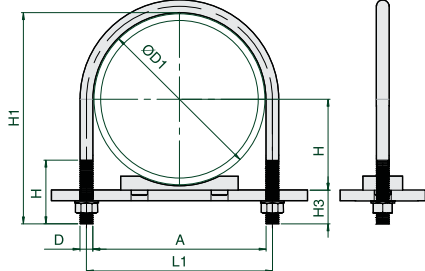
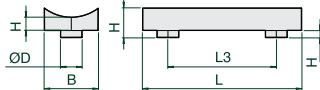
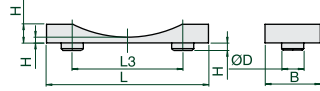
LIGHT SERIES U-BLOT WITH SADDLE (WITHOUT BASE)

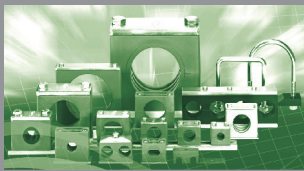
Light serie U-bolt LUB												Plastic pipe saddle SD						
																		
TYPE 1-20												TYPE 5-20						
For material characteristics see page 74.			LUB									SD						
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers. The U-bolts finish CRAPAL with flanged nuts DIN 6923 Dacromet.									Plastic pipe saddle on demand.						
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	ØD		
1	10	1/8"	St430 Zinc plated St430 Crapal AISI 304L washed	11	17	31 29	19 16	20 18	5	M6	---							
2	13,5	1/4"	St430 Zinc plated St430 Crapal AISI 304L washed	14	20	34 32	19 16	19,2 17,2	6,8		---							
3	17,2	3/8"	St430 Zinc plated St430 Crapal AISI 304L washed	18	24	37 36	19 16	18,4 17,4	8,6		---							
4	21,3	1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	22	28	43 40	25 18	20,4 17,4	10,6		---							
5	26,9	3/4"	St430 Zinc plated St430 Crapal AISI 304L washed	27	33	47 45	25 18	14,5 12,5	18,5	M8	70	35	30	5	12	11		
6	33,7	1"	St430 Zinc plated St430 Crapal AISI 304L washed	34	40	55 52	25 18	15,2 12,2	21,8		75	42						
7	42,4	1.1/4"	St430 Zinc plated St430 Crapal AISI 304L washed	43	49	63 61	25 18	15 13	26		75	52						
8	48,3	1.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	49	57	73 70	30 28	18,8 15,8	29,2		95	61						
9	60,3	2"	St430 Zinc plated St430 Crapal AISI 304L washed	61	69	85 82	30 28	18,8 15,8	35,2	M10	95	72	35	15	13			
10	76,1	2.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	77	85	101 98	30 28	19 16	43		115	88						
11	88,9	3"	St430 Zinc plated St430 Crapal AISI 304L washed	89	97	113 110	30 28	18,5 15,5	49,5		135	100						
12	102	3.1/2"	St430 Zinc plated St430 Crapal AISI 304L washed	102	110	130 127	35	17 14	61		150	118	40	10	20	18		
13	114,3	4"	St430 Zinc plated St430 Crapal AISI 304L washed	115	123 125 123	142 139		16,8 13,8	67,2	M10 M8	185	131						
14	139,7	5"	St430 Zinc plated St430 Crapal AISI 304L washed	140	148 150 148	169 165		18,2 14,2	79,8	M10 M8	210	156						
15	168	6"	St430 Zinc plated St430 Crapal AISI 304L washed	168	178	202 196		45	24 18	94	220	184	50	25	22			
16	219,1	8"	St430 Zinc plated St430 Crapal AISI 304L washed	220	230	254 248	24,5 18,5		119,5	M10	280	240						
17	273	10"	St430 Zinc plated St430 Crapal AISI 304L washed	274	284	308 302	24,5 18,5		146,5	350	294							
18	324	12"	St430 Zinc plated	324	340	368	60		29	177	M16	420	348	60	15	30	26	
19	356	14"	St430 Zinc plated	356	372	400		29	193	460		380						
20	406,4	16"	St430 Zinc plated	408	424	452		30	218	510		432						



VE-LOCK

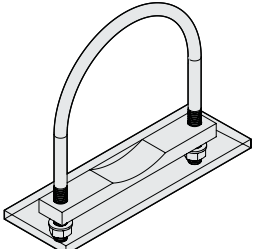
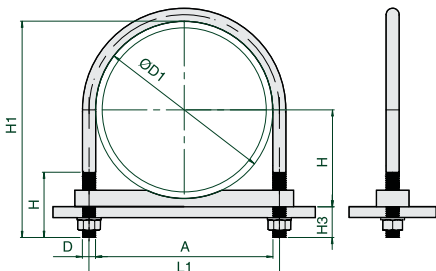
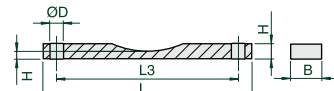
MEDIUM SERIES U-BLOT WITH SADDLE BASE

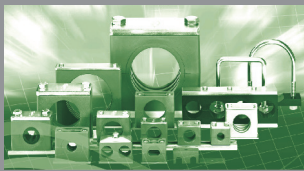
Medium series U-bolt MUB											Plastic pipe saddle SDB													
 TYPE 4-23											 TYPE 5-7  TYPE 8-23													
For material characteristics see page 74.			MUB								SDB													
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers.								Plastic pipe saddle on demand.													
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	H7	ØD2							
4	21,3	1/2"	St430 Zinc plated AISI 316L washed	22	30	52 48	30 25	29,4 25,4	10,6	M8	---													
5	26,9	3/4"	St430 Zinc plated AISI 316L washed	27	35	56 52	30 25	23,5 19,5	18,5		35	25	24		13	5	8							
6	33,7	1"	St430 Zinc plated AISI 316L washed	34	42	64 60	30 25	24,2 20,2	21,8															
7	42,4	1.1/4"	St430 Zinc plated AISI 316L washed	43	51	72 68	30 25	23,8 19,8	26,2															
8	48,3	1.1/2"	St430 Zinc plated AISI 316L washed	49	59	82 78	40 36	27,8 23,8	29,2															
9	60,3	2"	St430 Zinc plated AISI 316L washed	61	71	94 90	40 36	27,8 23,8	35,2															
10	76,1	2.1/2"	St430 Zinc plated AISI 316L washed	77	87	110 106	40 36	28 24	43															
11	88,9	3"	St430 Zinc plated AISI 316L washed	89	99	122 118	40 36	27,5 23,5	49,5	M12								75	40	70		27		15
12	102	3.1/2"	St430 Zinc plated	102	114	142	50	35	56															
13	114,3	4"	St430 Zinc plated	115	127	156	50	35,8	62,2															
14	139,7	5"	St430 Zinc plated	140	152	180	50	35,2	74,8															
15	168	6"	St430 Zinc plated	168	180	208	50	35	89	M16	140	90			36	10	25							
16	219	8"	St430 Zinc plated	220	236	267	60	42,5	114,5															
17	273	10"	St430 Zinc plated	274	290	321	60	42,5	141,5	M20	220	150	75	8	42		30							
18	324	12"	St430 Zinc plated	324	344	379	70	46	170															
19	356	14"	St430 Zinc plated	356	376	411	70	46	186															
20	406,4	16"	St430 Zinc plated	408	428	463	70	46,8	211,2															
21	457,2	18"	St430 Zinc plated	460	480	515	70	47,4	236,6															
22	508	20"	St430 Zinc plated	510	530	565	70	47	262															
23	609,6	24"	St430 Zinc plated	612	632	667	70	47,2	312,8															



VE-LOCK

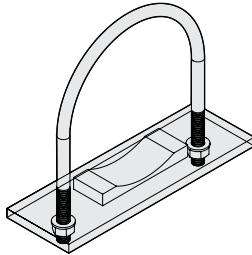
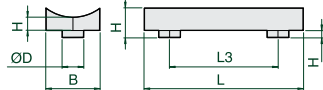
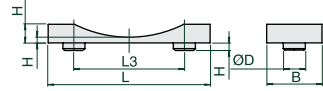
MEDIUM SERIES U-BLOT WITH SADDLE (WITHOUT BASE)

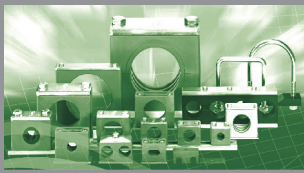
Medium series U-bolt MUB											Plastic pipe saddle SD					
																
TYPE 5-23											TYPE 5-23					
For material characteristics see page 74.			MUB								SD					
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers.								Plastic pipe saddle on demand.					
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	ØD
4	21,3	1/2"	St430 Zinc plated	22	30	52	30	29,4	10,6	M8	---					
			AISI 316L washed			48	25	25,4								
5	26,9	3/4"	St430 Zinc plated	27	35	56	30	23,5	18,5		70	35				
			AISI 316L washed			52	25	19,5								
6	33,7	1"	St430 Zinc plated	34	42	64	30	24,2	21,8		75	42	30		12	11
			AISI 316L washed			60	25	20,2								
7	42,4	1.1/4"	St430 Zinc plated	43	51	72	30	24	26		75	52				
			AISI 316L washed			68	25	20								
8	48,3	1.1/2"	St430 Zinc plated	49	59	82	40	27,8	29,2	M10	95	61		5		
			AISI 316L washed			78	36	23,8								
9	60,3	2"	St430 Zinc plated	61	71	94	40	27,8	35,2		95	72			15	13
			AISI 316L washed			90	36	23,8								
10	76,1	2.1/2"	St430 Zinc plated	77	87	110	40	28	43		115	88				
			AISI 316L washed			106	36	24								
11	88,9	3"	St430 Zinc plated	89	99	122	40	27,5	49,5		135	100				
			AISI 316L washed			118	36	23,5								
12	102	3.1/2"	St430 Zinc plated	102	114	142	50	30	61	M12	150	118	40	10	20	18
13	114,3	4"	St430 Zinc plated	115	127	156	50	30,8	67,2		185	131				
14	139,7	5"	St430 Zinc plated	140	152	180	50	30,2	79,8		210	156				
15	168	6"	St430 Zinc plated	168	180	208	50	30	94		220	184				
16	219	8"	St430 Zinc plated	220	236	267	60	37,5	119,5	M16	280	240	50		25	22
17	273	10"	St430 Zinc plated	274	290	321		37,5	146,5		350	294				
18	324	12"	St430 Zinc plated	324	344	379	70	39	177	M20	420	348	60	15	30	26
19	356	14"	St430 Zinc plated	356	372	411		39	193		460	380				
20	406,4	16"	St430 Zinc plated	408	428	463		39,8	218,2		510	432				
21	457,2	18"	St430 Zinc plated	460	480	515		40,4	243,6		550	484				
22	508	20"	St430 Zinc plated	510	530	565		40	269		600	534				
23	609,6	24"	St430 Zinc plated	612	632	667		40,2	319,8		700	636				



VE-LOCK

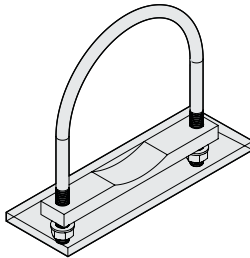
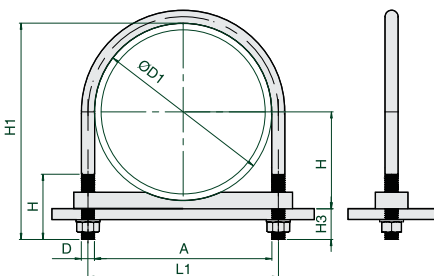
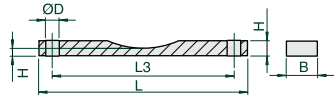
HEAVY SERIES U-BLOT WITH SADDLE BASE

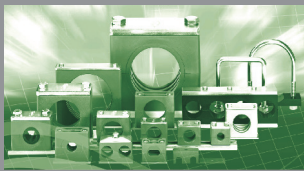
Heavy series U-bolt HUB											Plastic pipe saddle SDB													
 TYPE 4-23											 TYPE 5-8  TYPE 9-23													
For material characteristics see page 74.			HUB								SDB													
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers.								Plastic pipe saddle on demand.													
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	H7	ØD2							
4	21,3	1/2"	St430 Zinc plated	22	30	60	40	38,3	10,7	M10	---													
			AISI 304L washed			48	25	25,3		M8														
5	26,9	3/4"	St430 Zinc plated	27	35	66	40	33,5	18,5	M10	35	24	13	5	8									
			AISI 304L washed			52	25	19,5		M8														
6	33,7	1"	St430 Zinc plated	34	42	72	40	33,2	21,8	M10														
			AISI 304L washed			60	25	20,2		M8														
7	42,4	1.1/4"	St430 Zinc plated	43	51	82	40	33,8	26,2	M10														
			AISI 304L washed			68	25	19,8		M8														
8	48,3	1.1/2"	St430 Zinc plated	49	59	100	60	45,8	29,2	M12														
			AISI 304L washed			78	36	23,8		M10														
9	60,3	2"	St430 Zinc plated	61	71	112	60	45,8	35,2	M12														
			AISI 304L washed			90	36	23,8		M10														
10	76,1	2.1/2"	St430 Zinc plated	77	87	128	60	46	43	M12								38	25	50	5	16	6	10
			AISI 304L washed			106	36	24		M10														
11	88,9	3"	St430 Zinc plated	89	99	140	60	45,5	49,5	M12								75	70	27	15			
			AISI 304L washed			118	36	23,5		M10														
12	102	3.1/2"	St430 Zinc plated	102	114	159	70	52	56	M16														
			AISI 304L washed			137	45	30		M12														
13	114,3	4"	St430 Zinc plated	115	127	173	70	52,8	62,2	M16														
			AISI 304L washed			151	45	30,8		M12														
14	139,7	5"	St430 Zinc plated	140	152	197	70	52,2	74,8	M16														
			AISI 304L washed			175	45	30,2		M12														
15	168	6"	St430 Zinc plated	168	180	225	70	52	89	M16	140	90	36	10										
16	219	8"	St430 Zinc plated	220	236	285	80	59,5	114,5	M20														
17	273	10"	St430 Zinc plated	274	290	339		59,5	141,5															
18	324	12"	St430 Zinc plated	324	344	396	90	63	170	M24							220							150
19	356	14"	St430 Zinc plated	356	376	428		63	186															
20	406,4	16"	St430 Zinc plated	408	428	480		63,8	211,2															
21	457,2	18"	St430 Zinc plated	460	480	532		64,4	236,6															
22	508	20"	St430 Zinc plated	510	530	582		64	262															
23	609,6	24"	St430 Zinc plated	612	632	684		64,2	312,8															



VE-LOCK

HEAVY SERIES U-BLOT WITH SADDLE (WITHOUT BASE)

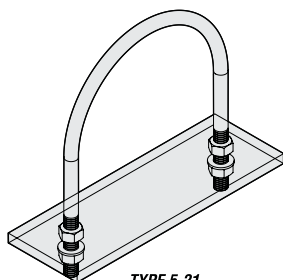
Heavy series U-bolt HUB											Plastic pipe saddle SD								
																			
TYPE 4-23											TYPE 5-23								
For material characteristics see page 74.			HUB								SD								
Code Ve-Lock	O.D. of Pipe ØD1		U-bolts with 2 nuts and 2 washers.								Plastic pipe saddle on demand.								
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D	L2	L3	B	H5	H6	ØD			
4	21,3	1/2"	St430 Zinc plated AISI 304L washed	22	30	60 48	40 25	38,3 25,3	10,7	M10 M8	---								
5	26,9	3/4"	St430 Zinc plated AISI 304L washed	27	35	66 52	40 25	33,5 19,5	18,5	M10 M8	70	35	30	12	11	5			
6	33,7	1"	St430 Zinc plated AISI 304L washed	34	42	72 60	40 25	33,2 20,2	21,8	M10 M8	75	42							
7	42,4	1.1/4"	St430 Zinc plated AISI 304L washed	43	51	82 68	40 25	33,8 19,8	26,2	M10 M8	75	52							
8	48,3	1.1/2"	St430 Zinc plated AISI 304L washed	49	59	100 78	60 36	45,8 23,8	29,2	M12 M10	95	61	35	15	13		10		
9	60,3	2"	St430 Zinc plated AISI 304L washed	61	71	112 90	60 36	45,8 23,8	35,2	M12 M10	95	72							
10	76,1	2.1/2"	St430 Zinc plated AISI 304L washed	77	87	128 106	60 36	46 24	43	M12 M10	115	88							
11	88,9	3"	St430 Zinc plated AISI 304L washed	89	99	140 118	60 36	45,5 23,5	49,5	M12 M10	135	100	40	20	18			26	
12	102	3.1/2"	St430 Zinc plated AISI 304L washed	102	114	159 137	70 45	47 25	61	M16 M12	150	118							
13	114,3	4"	St430 Zinc plated AISI 304L washed	115	127	173 151	70 45	47,8 25,8	67,2	M16 M12	185	131							
14	139,7	5"	St430 Zinc plated AISI 304L washed	140	152	197 175	70 45	47,2 25,2	79,8	M16 M12	210	156	50	25	22				15
15	168	6"	St430 Zinc plated	168	180	225	70	47	94	M16	220	184							
16	219	8"	St430 Zinc plated	220	236	285	80	54,5	119,5	M20	280	240							
17	273	10"	St430 Zinc plated	274	290	339	80	54,5	146,5	M20	350	294	60	30	26	15			
18	324	12"	St430 Zinc plated	324	344	396	90	56	177	M24	420	348							
19	356	14"	St430 Zinc plated	356	376	458	90	56	193	M24	460	380							
20	406,4	16"	St430 Zinc plated	408	428	480	90	56,8	218,2	M24	510	432	60	15	30		26		
21	457,2	18"	St430 Zinc plated	460	480	532	90	57,4	243,6	M24	550	484							
22	508	20"	St430 Zinc plated	510	530	582	90	57	269	M24	600	534							
23	609,6	24"	St430 Zinc plated	612	632	684	90	57,2	319,8	M24	700	636							



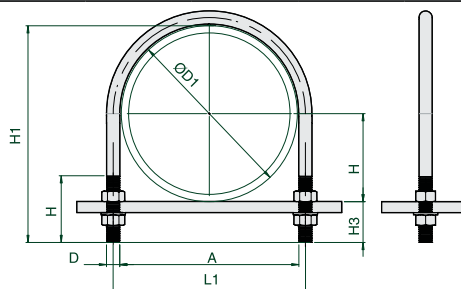
VE-LOCK

ROUNDED STEEL U-BLOT ACCORDING TO DIN3570 ORDER CODES AND DIMENSION

U Bolt (4 Nut + 2 Washer)



TYPE 5-21



For material characteristics
see page 74.

Round steel U-bolt
Carbon steel St430 code CD

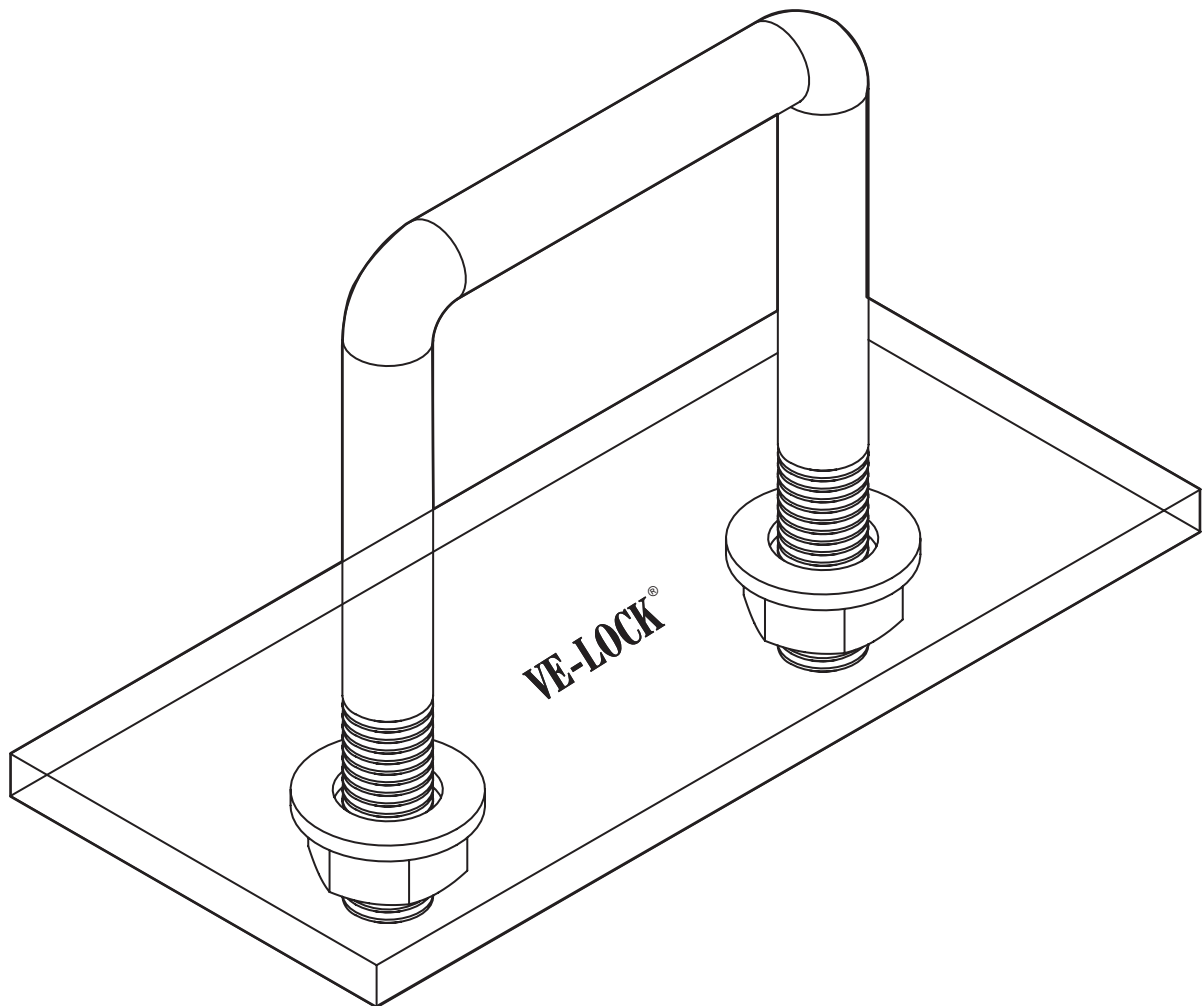
Code Ve-Lock	O.D. of Pipe ØD1		(Plate on demand only)							
	in mm	nominal bore pipe in inch	Material and surface finishing	A	L1	H1	H2	H3	H4	D
05	26,9	3/4"	St430 Zinc plated	30	40	60	40	33,1	13,5	M10
06	33,7	1"	St430 Zinc plated	38	48	66		32,3	16,9	
07	42,4	1.1/4"	St430 Zinc plated	46	56	76		33,6	21,2	
08	48,3	1.1/2"	St430 Zinc plated	52	62	82		33,7	24,2	
09	60,3	2"	St430 Zinc plated	64	76	97	50	36,7	35,2	M12
10	76,1	2.1/2"	St430 Zinc plated	82	94	113		36,9	30,2	
11	88,9	3"	St430 Zinc plated	94	106	126		37,1	44,5	
12	114,3	4"	St430 Zinc plated	120	136	155	60	40,7	57,2	M16
13	139,7	5"	St430 Zinc plated	148	164	175		35,3	69,9	
14	168,3	6"	St430 Zinc plated	176	192	201		32,7	84,2	
15	193,7	7"	St430 Zinc plated	202	218	233		39,3	96,9	
16	219,1	8"	St430 Zinc plated	228	248	263	70	43,9	109,6	M20
17	273	10"	St430 Zinc plated	282	302	314		41	136,5	
18	324	12"	St430 Zinc plated	332	352	365		41	162	
19	356	14"	St430 Zinc plated	378	402	411		55	178	M24
20	406,4	16"	St430 Zinc plated	428	452	463		56,6	203,2	
21	508	20"	St430 Zinc plated	530	554	565		57	254	



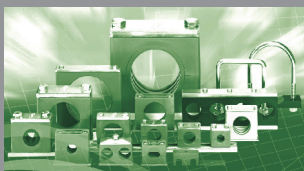
VE-LOCK

SQUARED U-BOLTS

- **Light** and **medium** squared bolt _____
- **Heavy** and **robust** squared bolt _____



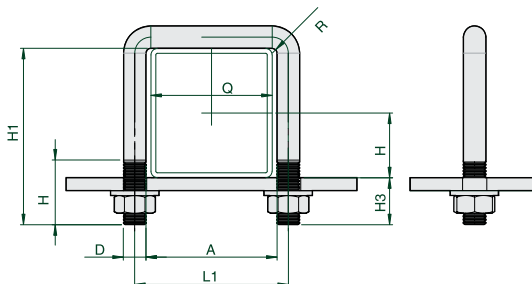
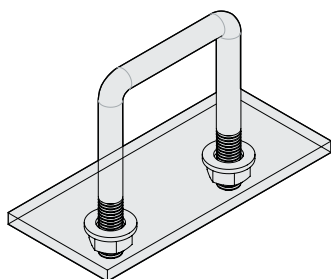
www.vehydraulics.com | www.tubeclampsfittings.com



VE-LOCK

LIGHT AND MEDIUM SQUARE U-BOLT ORDER CODES AND DIMENSION

Square 'U' Bolt with 2 Nut + 2 Washers



For material characteristics
see page 74.

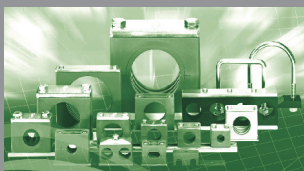
Light series square 'U' Bolt

Code Ve-Lock	O.D. of Pipe Q	Plate on demand only								
	in mm	Material and surface finishing	A	L1	H1	H2	H3	H4	R	D
3	30x30	St430 Zinc plated	31	39	50	25	20	15	4	M8
4	40x40	St430 Zinc plated	41	49	60			20		
5	50x50	St430 Zinc plated	51	59	70			25		
6	60x60	St430 Zinc plated	61	71	82	30	22	30	5	M10
7	70x70	St430 Zinc plated	71	81	92			35		
8	80x80	St430 Zinc plated	81	91	102			40		
9	90x90	St430 Zinc plated	91	101	112			45		
10	100x100	St430 Zinc plated	101	111	122			50		

For material characteristics
see page 74.

Medium Series Square 'U' Bolt

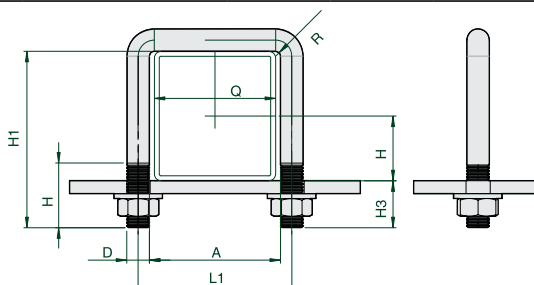
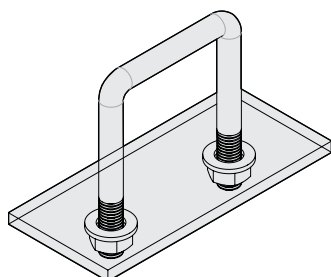
Code Ve-Lock	O.D. of Pipe Q	On request nuts and washers								
	in mm	Material and surface finishing	A	L1	H1	H2	H3	H4	R	D
3	30x30	St430 Zinc plated	31	41	52	30	22	15	5	M10
4	40x40	St430 Zinc plated	41	51	62			20		
5	50x50	St430 Zinc plated	51	61	72			25		
6	60x60	St430 Zinc plated	61	73	86	35	26	30	6	M12
7	70x70	St430 Zinc plated	71	83	96			35		
8	80x80	St430 Zinc plated	81	93	106			40		
9	90x90	St430 Zinc plated	91	103	116			45		
10	100x100	St430 Zinc plated	101	113	126			50		



VE-LOCK

HEAVY AND ROBUST SQUARED 'U' BOLT ORDER CODES AND DIMENSION

Squared U-bolt



For material characteristics
see page 74.

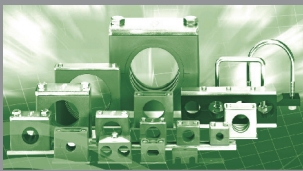
Heavy series Squared U-bolt

Code V-LOCK	O.D. of Pipe Q	On request nuts and washers								
	in mm	Material and surface finishing	A	L1	H1	H2	H3	H4	R	D
3	30x30	St430 Zinc plated	31	43	56	35	26	15	6	M12
4	40x40	St430 Zinc plated	41	53	66			20		
5	50x50	St430 Zinc plated	51	63	76			25		
6	60x60	St430 Zinc plated	61	75	90	40	30	30	7	M14
7	70x70	St430 Zinc plated	71	85	100			35		
8	80x80	St430 Zinc plated	81	95	110			40		
9	90x90	St430 Zinc plated	91	105	120			45		
10	100x100	St430 Zinc plated	101	115	130			50		

For material characteristics
see page 74.

Robust Series Square 'U' Bolt

Code Ve-LOCK	O.D. of Pipe Q	On request nuts and washers								
	in mm	Material and surface finishing	A	L1	H1	H2	H3	H4	R	D
6	60x60	St430 Zinc plated	61	77	94	50	34	30	8	M16
7	70x70	St430 Zinc plated	71	87	104			35		
8	80x80	St430 Zinc plated	81	97	114			40		
9	90x90	St430 Zinc plated	91	107	124			45		
10	100x100	St430 Zinc plated	101	117	134			50		
11	110x110	St430 Zinc plated	111	127	144			55		
12	120x120	St430 Zinc plated	121	137	154			60		



VE-LOCK

Tool for Welding of Plates

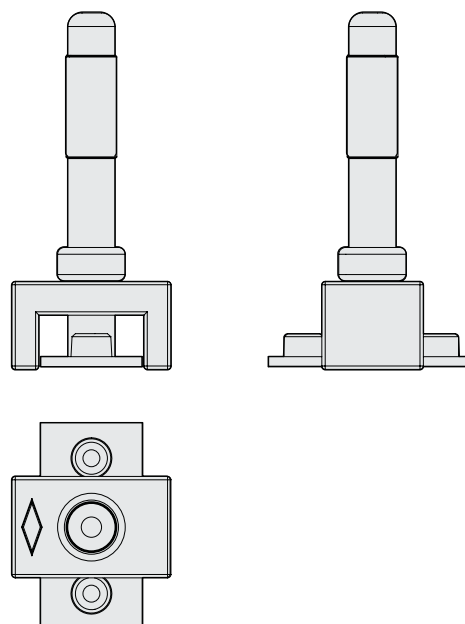
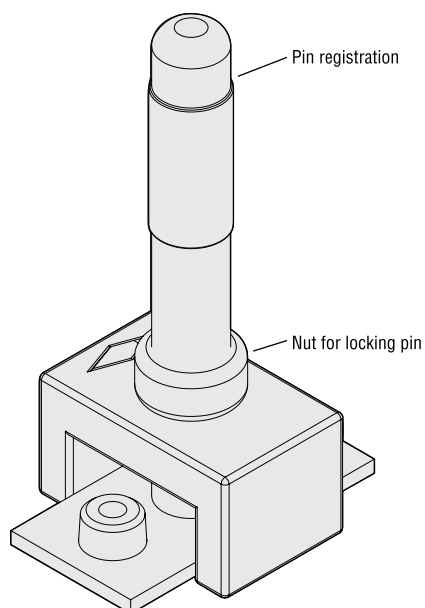
TOOL FOR WELDING OF PLATES

TOOL FOR WELDING OF PLATES

The tool can be used during the welding of the lower plates to facilitate the taking, thanks to a magnets placed into the pin registration.

It's available on request and can be used for Standard Series, TwinSeries, and Heavy Series for CP1, CP2 and CP3 only.

Note: Do not use with stainless steel plates.





VE-LOCK

TRADEMARK REGISTRATION CERTIFICATE

प्रारम्भिक आदेश
FORM O-2

भारत सरकार
GOVERNMENT OF INDIA
व्यापार चिन्ह रजिस्ट्री
TRADE MARKS REGISTRY

क्रमांक
No. 808469

व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999

व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2) नियम 62 (I)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 62 (I)

व्यापार चिन्ह संख्या / Trade Mark No. 1625767 दिनांक/ Date 29/11/2007 ज.संख्या/ J.No. 1402

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह
के बारे में दिनांक नाम से रजिस्ट्रीकृत हो चुका है।

Certified that the Trade Mark / a representation is annexed hereto, has been registered in the name(s) of
MEHUL PADIYA, Trading as : VAISHNAVI ENGINEERING, 127, PARAS INDUSTRIAL ESTATE, KANCHPADA, MALAD (WEST), MUMBAI - 400 064., MANUFACTURER AND MERCHANT, (Single Firm)

In Class Under No. 6 as of the Date 29 November 2007 in respect of
PIPE CLAMPS, VALVE FITTINGS, QUICK RELEASE COUPLING FLANGES AND HYDRAULIC ITEMS.

व्यापार चिन्ह रजिस्ट्री
TRADE MARKS REGISTRY
MUMBAI

Sealed at my direction, this 31st day of March, 2009

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry, Mumbai

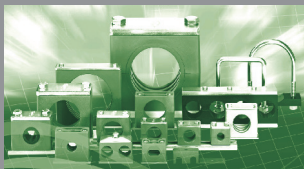
व्यापार चिन्ह रजिस्ट्री
Registrar of Trade Marks

रजिस्ट्रीकरण आवेदन की तारीख से 10 वर्ष के लिए है और तदुपरांत यह 10 वर्ष की कालावधि के लिए और प्रत्येक 10 वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.

यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिये या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिये नहीं है।
This certificate is not for use in Legal proceedings or for obtaining Registration abroad.

टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिये पते में परिवर्तन होने पर परिवर्तन के लिये आवेदन
नुरत किया जाना चाहिये।
Note : Upon any change of ownership of this Trade Mark, or change in address, of the principal place of business or address for service in India a request should
AT ONCE be made to register the change.

CNT. No.:



VE-LOCK

ISO CERTIFICATE



229



Certificate Number:

50884

This is to certify that the Quality Management System of:

VAISHNAVI ENGINEERING

of

127, Paras Industrial Estate, Kanchpada, Malad (West), Mumbai,
Maharashtra-400 064, India

has been assessed and registered by ACS Registrars Ltd. against the following
Quality Assurance Standard:

ISO 9001:2008

The scope of registration is detailed as indicated below:

“Manufacture, Assembly and Export of Hydraulic and Engineering
Products including Tube Fittings, Pipe Clamps, Hydraulic Valves, Quick
Release Couplings, Flanges and Hoses”

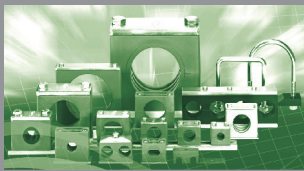
Signed by:

Date of initial assessment: 30/06/2010
Date of registration: 08/07/2010
Date reissued: n/a
Date of expiry: 29/06/2013*

Whilst all due care and skill was exercised in carrying out this assessment, ACS Registrars Ltd. accepts responsibility only for proven gross negligence. This is not a legal document and cannot be used as such. This certificate remains the property of ACS Registrars Ltd. to whom it must be returned upon request. Certificate validity is based on successful completion of required surveillance visits.

To check the authenticity of this certificate, please visit our website www.acsregistrars.in and enter the certificate number in the “Check Certificate Authenticity” option.

Head Office:
ACS Registrars Ltd.
International House, 178 Reddicap Heath Road, Sutton Coldfield, West Midlands
B75 7ET. UK
Tel. 0121-241-2299 Fax. 0121-241-4623
www.acsregistrars.com
www.acsregistrars.in



VE-LOCK

QUALITY & TESTING OF CLAMPS

FINAL INSPECTION REPORT				Form VE/QC/04, Rev 00		
JOB NO: - VE/J/**/09-10			DATE OF INSPECTION :			
PRODUCT NAME WITH SPEC:			DRAWING REF :			
*****			STANDARD REF :			
TOTAL ORDER QUANTITY :			INSPECTED QUANTITY :			
TO :-			ATTN :-			
SR NO	METHOD OF INSPECTION	INSPECTION CRITERIA		ACCEPTANCE CRITERIA	INSTRUMENT USED	SAMPLING PATTERN
1	VISUAL	SHARP CORNER		NO SHARP CORNERS	N/A	100%
		PLATING		AS PER NORMS	N/A	100%
		SURFACE FINISH		SMOOTH FINISH	N/A	100%
		MATERIAL OF CONSTRUCTION (ATTACHED CERTIFICATE)		*****	GOVT. APRO. LAB.	100%
		ASSEMBLY WITH ALL PARTS		AS PER SPECIFICATIONS	N/A	100%
2	WORKING PRESSURE & LEAKAGE TEST	MAX. WORKING PRESSURE & LEAKAGE TEST		**** PSI NO LEAKAGE	HYD. TEST PUMP	10%
3	COUNTING	COUNTING AS PER BUYERS P.O.		AS PER BUYER P.O.	N/A	100%
4	PRODUCT PACKING	AS PER OUR STNADARD PACKING CHART		AS PER STD. PACKING NORMS	N/A	100%
5	DIAMENSION AS PER PART DRAWING SPECIFICATION	REQUIRED DIM.	ACTUAL DIM.			
		a)	a)	AS PER DRAWING SPECIFICATIONS	VERNIER	10%
		b)	b)		CALIPER	10%
		c)	c)			10%
		d)	d)		GO/NOGO	10%
		e)	e)		GAUGE	10%
		f)	f)			10%
		g)	g)		DEGREE	10%
		h)	h)		PROTACTOR	10%
QUANTITY ACCEPTED -			REASON OF REJECTION :			
QUANTITY REJECTED - .						
QUANTITY ACCEPTED UNDER DEVIATION:						
REASON :						
AUTHORIZED BY :						
INSPECTED BY :			APROVED BY :			
QC INSPECTOR :			WORKS INCHARGE :			



Success lies in Service



Subsidiary of Hydac International, Germany





VAISHNAVI HYDRAULICS PVT. LTD.

Unit 8/A, 8/B, CIEM Industrial Area, Ramchandra Lane ent., Kanchpada,
Malad (W), Mumbai-400064 Maharashtra (India)

Tel. No. : +(91)-22-28819247/28813867 • Fax : +(91)-(22)-28813867

E-mail : sales_velock@vehydraulics.com, Website : www.tubeclampsfittings.com