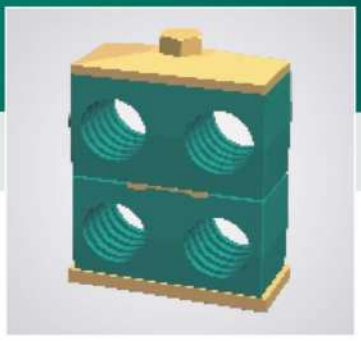
HYD-AIR

TWIN SERIES PIPE & TUBE CLAMPS



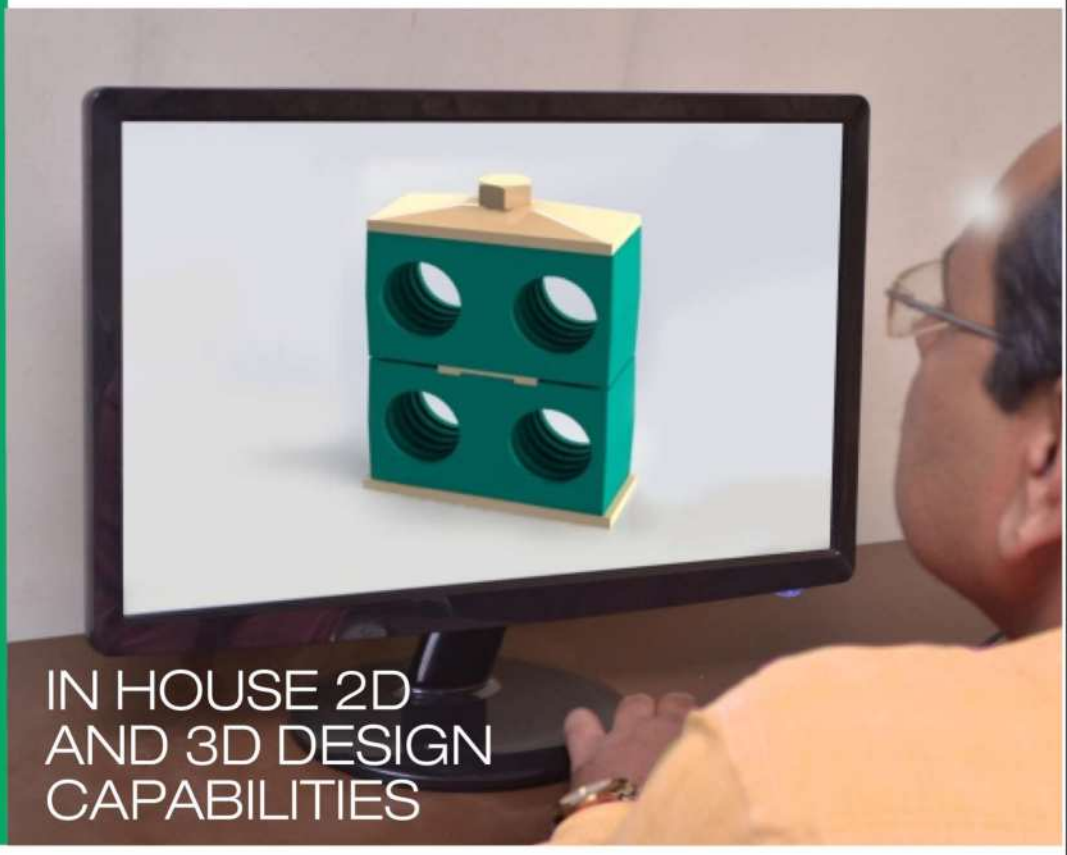




H-A® HYD AIR ENGINEERING FLOW CONTROL

THE HYDRAULIC EXPERTS

Hyd-Air Engineering Works Goa was established in 1982 by the late Dr. Y.E. Moochhala, a Ph.D in Mechanical Engineering from Northwestern University, USA. Headquartered in Mumbai, with a factory located in Goa, the team at Hyd-Air has more than 30 years of expertise in the design, engineering & manufacture of Pipe Clamps, SAE Flanges and Hydraulic Fittings. Our client in India and abroad include large industrial houses, power generation units, steel and ore processing units and shipyards.



TWIN CLAMP

KEY CLIENTS

- Bharat Heavy Electricals Ltd
- Bharat Earth Movers Limited
- Bosch Rexroth India
- Essar Steel
- Garden Reach Ship Builders & Engineers
- Goa Shipyard
- Integral Coach Factory
- Jindal Steel
- Mazgaon Dock
- Mecon
- Putzmeister India
- Rashtriya Ispat Nigam (RINL)
- SAIL – Bokaro, RSP, BSP, IISCO
- Siemens
- SMS Siemag
- Shriram EPC
- Tata Steel

Hyd-Air Twin Clamp Series : DIN 3015-3

Clamping of pipes in installations is required for purposes of damping vibrations, providing support to the installation and preventing loosening of joints and welds.

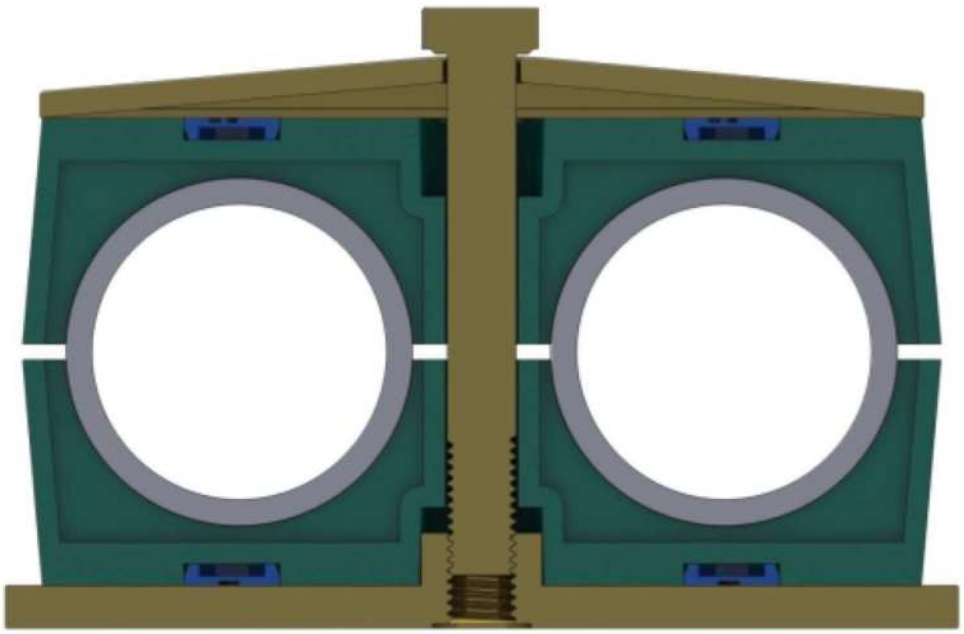
Hyd-Air Pipe Clamps, with their unique 5/6 construction design, prevent the transmission of vibrations from the pipe to the frame and vice versa. They also provide rigid support to the pipe both in the lateral and longitudinal directions, relieving stresses caused by unequal movements in the pipeline.

Piping installations can be rigidly and safely mounted without any vibration transmittal with the use of these type of clamps. High-impact forces encountered in rolling mills, gun installations, military equipment, ships and other such applications are damped and not transmitted. The rigidity provided by these clamps and the choice of the clamp material prevents the loosening of joints and consequent leakages in the system.

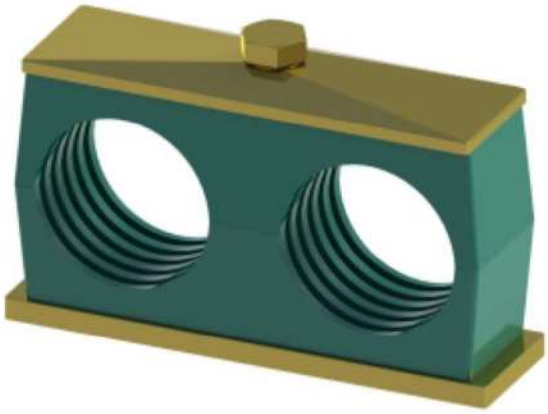
For mounting multiple parallel pipelines (either horizontal or vertical), clamps were traditionally placed on mounting rails or were combined together. In order to provide an integrated system for clamping multiple pipelines, HYD-AIR has introduced the TWIN CLAMP SERIES.

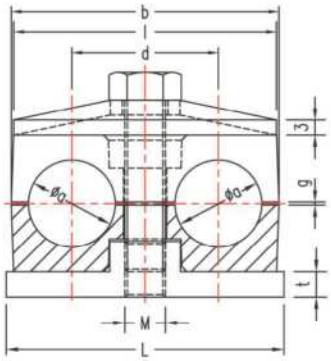
The HYD-AIR TWIN CLAMPS are available for pipe and tube fitments and are designed according to the standards outlined in DIN 3015 – 3.

The HYD-AIR TWIN CLAMPS range from Ø 6 0D to Ø 42 0D and are available in polypropylene and polyamide.

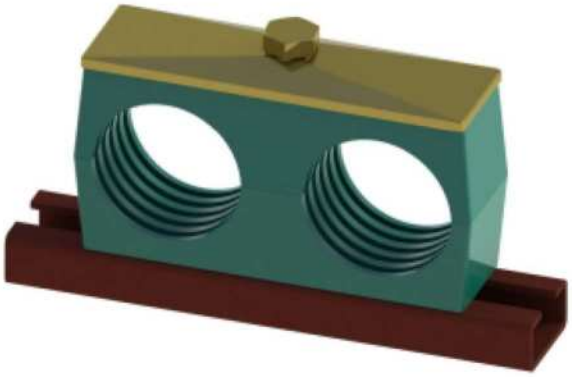


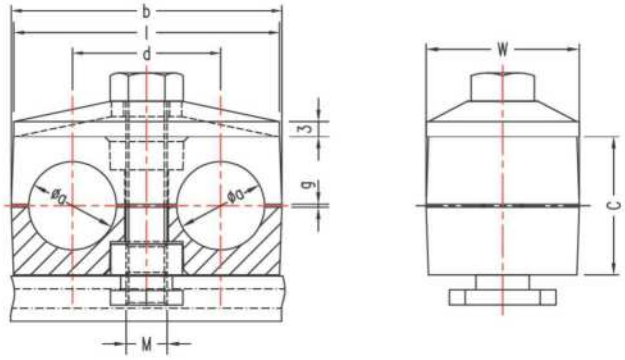
ASSEMBLY WITH WELD PLATE, TOP PLATE & HEX BOLTS.





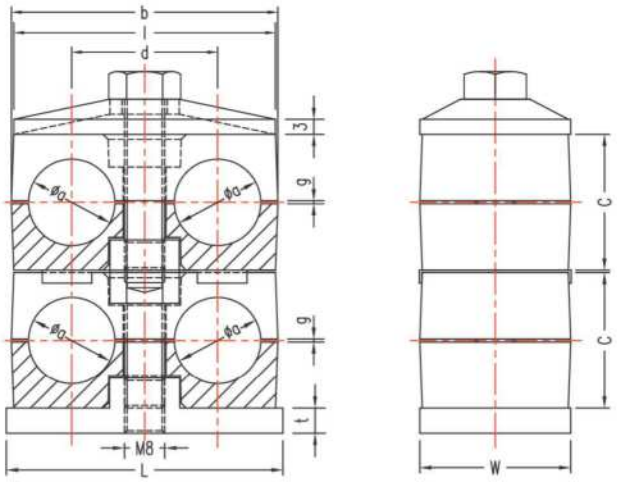
ASSEMBLY TOP PLATE, HEX.BOLT & `T' NUT.





ASSEMBLY TOP PLATE, INTERMEDIATE PLATE, INTERMEDIATES BOLT, HEX BOLT AND WELD PLATE:- VERTICAL MOUNTING.





GROUP	PIPE SIZE (a)			b	C	d	g	t	L	l	M	TOP PLATE HEX BOLTS & WELD PLATE ASSY. PART NO.	TOP PLATE HEX BOLTS & `T' NUT ASSY. PART NO.	VERTICAL MOUNTING ASSY. PART NO.
	MM OD	INCH OD	INCH NB											
1T	6	1/4		36	27	20	1.5	3	37	34	M6	P1T 1.06 ...	P1T 1.06 CH ...	2VP1T 1.06 ...
	8											P1T 1.08 ...	P1T 1.08 CH ...	2VP1T 1.08 ...
	10	3/8	1/8									P1T 1.10 ...	P1T 1.10 CH ...	2VP1T 1.10 ...
	12											P1T 1.12 ...	P1T 1.12 CH ...	2VP1T 1.12 ...
2T	13	1/2		53	26	29	2.5	5	55	52		P2T 1.13 ...	P2T 1.13 CH ...	2VP2T 1.13 ...
	14		1/4									P2T 1.14 ...	P2T 1.14 CH ...	2VP2T 1.14 ...
	16	5/8	3/8									P2T 1.16 ...	P2T 1.16 CH ...	2VP2T 1.16 ...
	18											P2T 1.18 ...	P2T 1.18 CH ...	2VP2T 1.18 ...
3T	19	3/4		67	37	36	2.5	5	70	65		P3T 1.19 ...	P3T 1.19 CH ...	2VP3T 1.19 ...
	20											P3T 1.20 ...	P3T 1.20 CH ...	2VP3T 1.20 ...
	22	7/8	1/2									P3T 1.22 ...	P3T 1.22 CH ...	2VP3T 1.22 ...
	25	1									M8	P3T 1.25 ...	P3T 1.25 CH ...	2VP3T 1.25 ...
4T	27		3/4	82	41	45	2.5	5	85	79		P4T 1.27 ...	P4T 1.27 CH ...	2VP4T 1.27 ...
	28											P4T 1.28 ...	P4T 1.28 CH ...	2VP4T 1.28 ...
	30											P4T 1.30 ...	P4T 1.30 CH ...	2VP4T 1.30 ...
5T	32	1.1/4	3/4	106	54	56	2.5	5	110	102		P5T 1.32 ...	P5T 1.32 CH ...	2VP5T 1.32 ...
	34		1									P5T 1.34 ...	P5T 1.34 CH ...	2VP5T 1.34 ...
	35											P5T 1.35 ...	P5T 1.35 CH ...	2VP5T 1.35 ...
	38	1.1/2										P5T 1.38 ...	P5T 1.38 CH ...	2VP5T 1.38 ...
	40											P5T 1.40 ...	P5T 1.40 CH ...	2VP5T 1.40 ...
	42											P5T 1.42 ...	P5T 1.42 CH ...	2VP5T 1.42 ...

HOW TO ORDER

(A) For Single Clamps

P . . . - . . .

- Pipe Clamp Assembly: P
- Group Number: 1T,2T,...
- For Assembly with Top plate and Hex Bolts: 1
- OD OF Pipe / Tube : in mm
- For weld plate mounting: No Symbol
  For Channel mounting with `T' Nut: CH
- Material
  Polypropylene: NO SYMBOL
  Polyamide: PA

(B) For Multiple Clamps on Single Weld Plate

. . P . . 1 . .

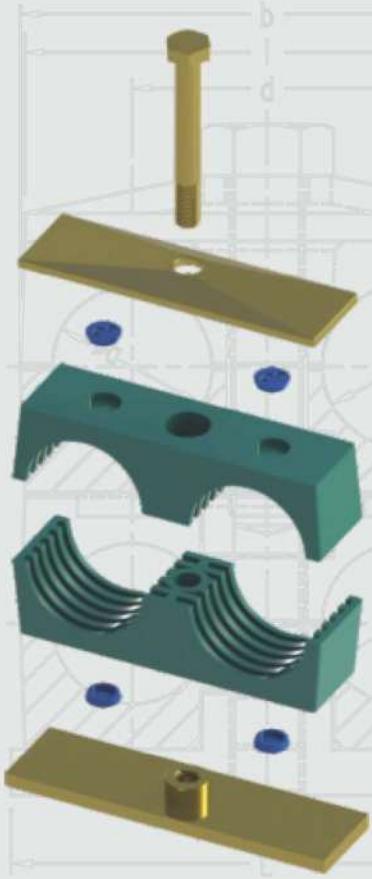
- Number of Clamps:
- Vertical Mounting : V
- Pipe Clamp Assembly.: 1
- Group Number: 1T,2T,...
- Multiple Clamps : Are always ordered with Top,plate and Hex Bolts
- Outside Diameter for Pipe / Tube in their order :
  (a) For Vertical Mounting : Starting from Weld Plate up
  (b) For Horizontal Mounting : Starting from left to right
- Material
  Polypropylene: NO SYMBOL
  Polyamide: PA

ISO-9001 REGISTERED FIRM
Det Norske veritas B.V., THE NETHERLANDS

Accredited by the RvA

CORPORATE OFFICE:
J.V. Patel I.T.I Compound,
B. Madhurkar Marg,
Mumbai 400013 INDIA
Tel.: +91- 22-43338000 / 24304411
Fax: +91- 22-43338001 / 24362160
E-commerce : sales@fluidcontrols.com
Website: www.fluidcontrols.com

FACTORY GOA:
Shed No. D-2/29, Tivim Industrial Estate
Mapusa- 403 526 Goa INDIA
Tel.: +91-832-2257364 Fax: +91-832-2257624
E-commerce: sales@fluidcontrols.com
Website: www.fluidcontrols.com





H-A® HYD-AIR

FF® FLUID CONTROLS

Associated companies and products:

