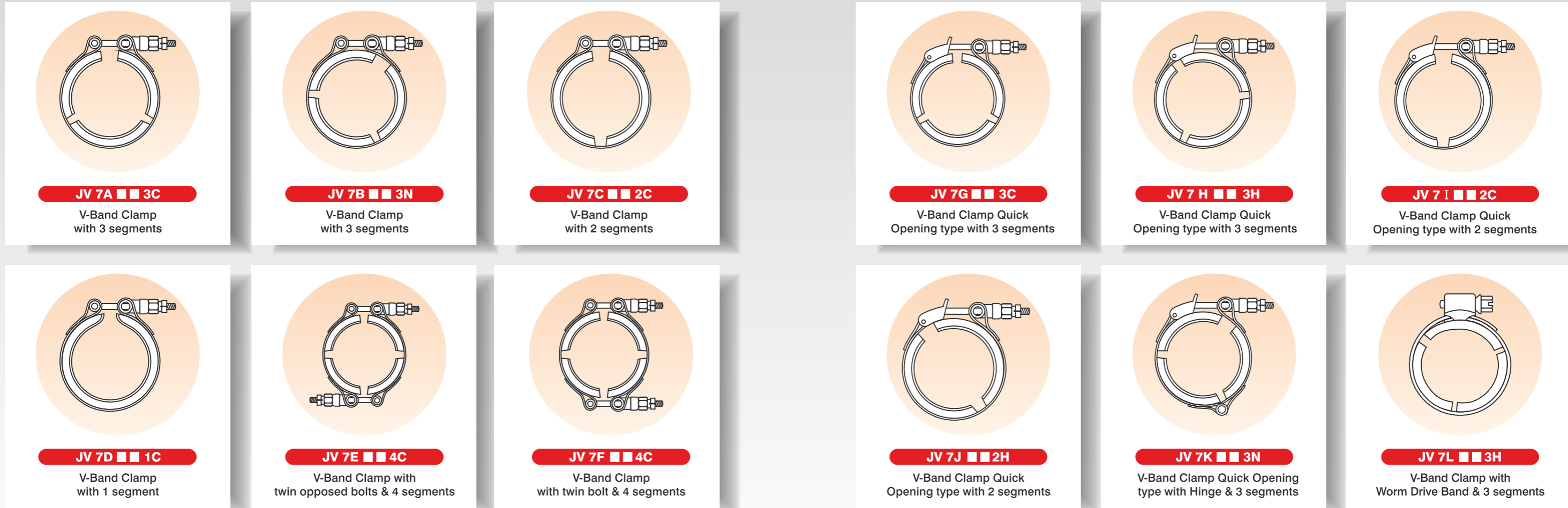


JUPITER V-BAND COUPLING CLAMPS



SALIENT FEATURES AND BENEFITS OF JUPITER V-BAND COUPLING CLAMPS	
1	Time Saving & Convenience : Reduces assembly time and cost due to ease of operating single nut instead of odd positioned many.
2	Light Weight : Use of sheet metal for all components makes the overall design lighter in weight - Solution to replace heavy multiple bolted conventional flanges.
3	Vibration-proof : Jupiter clamps due to their virtue of lightweight and convenience are ideal for joint to conduct output gases from vibrating assemblies at one end towards the stationary output system at the other.
4	Frequent Clamping : The most convenient for sub-assemblies requiring frequent latching and unlatching for inspection, cleaning and replacements
5	Corrosion Resistance : Most of these joints are generally contaminated to hot water or salt water or hazardous chemical atmosphere. Hence, Stainless steel material is generally used for light weight, high strength and long life. Turbo charger, joints of Engines are the best exemplary applications in this respect.
6	Wedging & Cost Saving : Unlike Machine-bored V-sectors out of the casting or forging, Jupiter Clamp by the nature of it's sheet metal flexibility & springiness adopts the cross sectional clamping shapes to make the firm contact. The later is more economical than the former which requires rigid tolerance control.

OBJECTIVE
V-Band coupling is used to join piping, tubing or various gas or liquid tracks or closers, separators or enclosures

WORKING
From the Assembly shown below it can be seen that the tapered inners of the V-sectors are mounted over their respective matching tapers of the pair of flanges of the jointing pipes.

The tangential pull F_t created by applying torque by turn of nut causes uniform Radial force F_r all around. This causes wedging action force F_w along the tapered area of the flange at its perpendicular. The F_w in turn has its resolved component force F_x along the axis of the flanges or pipes which effectively serves in firm and uniform fitting of the two flanges along their faces.

ACTUAL USER DESIGNS
All the above aspects with prompt services led Jupiter to high esteem amongst leading Quality conscious Actual user community. There is no conventional standard. User's requirements are carefully studied generally with the help of Jupiter Questionnaire. Clamps for specific applications are designed and recommended. Accordingly provisional drawings are prepared for customer's P. Nos. and mass uses.

THE PROCESS CONTROL
Apart from aspect of design, Jupiter is produced under strict quality control systems right from Raw Materials up to the Final operations. Each clamp is identified with Batch No. for reverse traceability and assessed for Torque strength so as to achieve noble goal of Zero failure status.

Special non-standard quality checking instruments are designed and developed inhouse and used for Quality Assurance to Jupiter's End-user.

All the above aspects with prompt services led Jupiter to high esteem amongst leading Quality conscious Actual user community.

Jupiter is the pioneer Indian product to have been credited with ISO 9001 quality certification.

IDENTIFICATIONS CODE Nos. (TYPES)
In order to differentiate the applications or designs, Jupiter clamps generally have their own identification type codes.

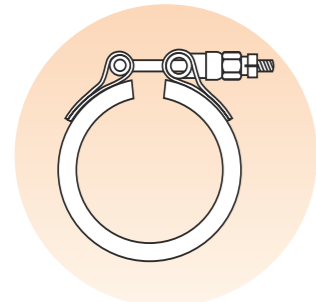
ORDERING INFORMATION
For smooth services the following points may please be noted by the customer while ordering.

- The customer should go through all our literature and decide the necessary type of Jupiter design for his use. OR
- While enquiring customer may call for Jupiter QUESTIONNAIRE to decide or design specific clamps for P. No. applications. Accordingly prototype drawing shall be prepared and submitted for customer's convenience.
- Customer is requested to attend to Jupiter's RECEIPT OF ORDER FORM for amendment if any.
- E-mail correspondence should be complete with full address, P.P., Communication Nos. and other specific details of the sender.

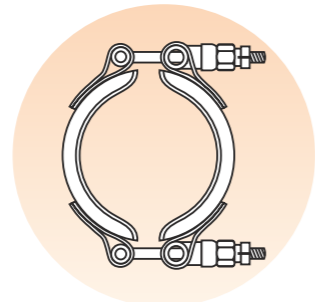
JUPITER

V-BAND COUPLING CLAMPS

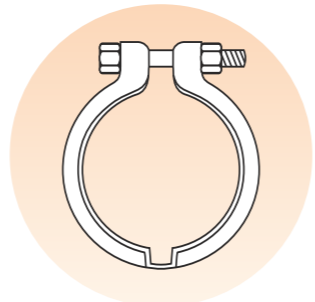
Solution for Vibration & Leak-proof Flanged joints with Jupiter design technology



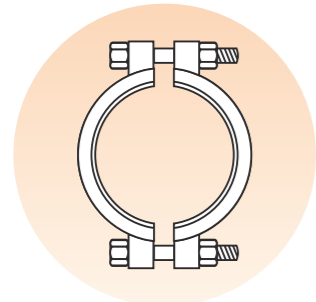
JV 7M ■■ 1C
V-Clamp with 1 segment without band



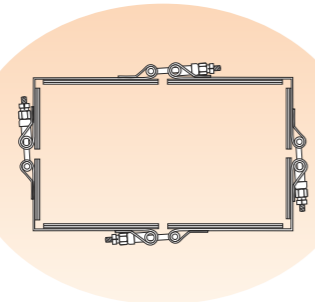
JV 7N ■■ 2C
V-Clamp with twin bolts & 2 segments without band



JV 7O ■■ 1C
V-Clamp of 1 segment & Standard Nut Bolt without band



JV 7P ■■ 2C
V-Clamp with 2 segments & 2 Standard Nut Bolts without band



JV 7Q ■■ 8C
V-Band Clamp with 4 bolts & 8 segments in rectangular shape

Apart from above Jupiter Clamps are also available with special specifications as per customer's applications.

SPECIAL DESIGNS



GENERAL SPECIFICATIONS IN BRIEF

Diagram	Item of specification	The developed specification vary		
		From (mm)	Upto (mm)	
<p>SECTIONAL VIEW - A A</p>	D	Clamp Dia	50	400 or more
	BW	Band Width	12.7	32
	BT	Band Thickness	0.6	2
	VW	Vee Width of Clamp	12.7	35
	VT	Vee Thickness of Clamp	0.65	2.5
	K°	Included angle	30°	60°
	d	Dia of T-Bolt	6.35	10
	L	Length of T-Bolt	55	115
	Other Miscellaneous Feedbacks		Please fill in Jupiter "Questionnaire for design input" and provide data as much complete as possible.	

Manufactured by :

JUPITER INDUSTRIAL WORKS THANE

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 Website : www.jupiter-clamps.com

Jupiter Clamps emit message of quality assurance and final economy

