

JUPITER

T-BOLT CLAMPS

GENERAL SPECIFICATIONS IN BRIEF

Clamping Dia (mm) *			Band Width (mm) b		T-Bolt				Nut Hex Size (A/F) (mm) F		Recommended Installation Torque (Nm / lb-inch) **	
Nominal Hose O.D. D _N	Max Supply Dia D ₁	Min D ₂	14.0	19.5	Thd. Dia d	Length (mm) L		b=14.0	b=19.5	b=14.0	b=19.5	
36 - 48	DN + 1	DN - 2	✓	-	M5	-	40	-	-	8.0	-	5.65/50 -
50 - 64	DN + 1	DN - 5	✓	✓	M5	¼ UNF	65	67	8.0	11.1	5.65/50	5.65/50
66 - 100	DN + 2	DN - 5	✓	✓	M5	¼ UNF	65	73	8.0	11.1	5.65/50	8.5/75
102 - 300 and above	DN + 2	DN - 6	-	✓	-	¼ UNF	-	73	-	11.1	-	8.5/75

Note :

* The terms "Size No." and corresponding actual diameters of type "TB or SLTB" etc. from SAE J 1508 are confusive to the customers and are omitted here. Due to limited clamping range reference to exact hose O.D. i.e. DN is more convenient and preferred.

** These figs are referred from SAE J1508. **Jupiter is tested for values in excess of the same.**

Clamps with band thickness from 0.6 upto 2 mm, width from 14 upto 31.75 mm and bolts dia upto 7/16" etc. are available for special applications. For A.U. application, specific drawings are prepared and forwarded.

ORDERING INFORMATION

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

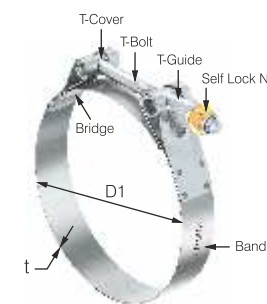
- Clamp DIA means Max OUTSIDE Dia of the mounting hose i.e. DN here. Use of mere term 'Hose Dia' (if it means INNER Dia) is confusive and should be avoided.
- The customer should go through all above literature and decide the necessary type of Jupiter design for his use. OR may call for Jupiter QUESTIONNAIRE to facilitate 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 Jupiter's 'RECEIPT OF ORDER' form for validation and amendment if any.
- E-mail correspondence should be complete with full address, P. P., Communication Nos. and other specific details of the sender.

Manufactured by :

JUPITER INDUSTRIAL WORKS THANE

'Parishram', Ram Maruti Road, Thane 400 602 (India)
 Phones : (91) (022) 533 2184, 536 8577, 536 2525,
 Fax : (91) (022) 533 6968, email : sales@jupiter-clamps.com
 Website : www.jupiter-clamps.com

Developed for
 ✓ Heavy Duty ✓ Maintenance-free ✓ Long life Performance



The construction of Jupiter T-Bolt clamp comprises of hard Stainless steel band assembled with forged T-bolt duly heat-treated and Zinc plated, located in a T-guide with Self-locking nut at the Tee end.

Jupiter T-Bolt clamps are used for assembling the hose or splitted Tube-ends in respect of Heavy Engines, Vehicles, Tractors, Heavy Vehicles, Electrical Assemblies, Pneumatic connections, Irrigation, Railway, Defence, Aircraft, Chemical equipments, Export requirements and others from the developed countries.



thus Jupiter assures reliability and ultimate economy.

JUPITER T-BOLT CLAMPS

SALIENT FEATURES AND BENEFITS OF JUPITER T-BOLT CLAMPS

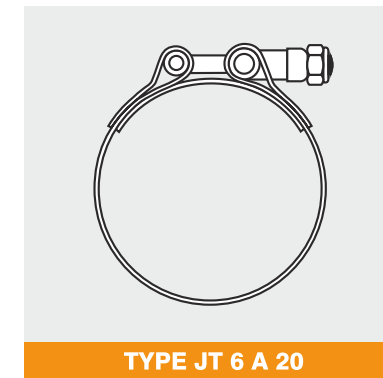
- 1 Flexibility :** Use of thin flexible S.S. material is an advantage to fitment of variable uniform circular surfaces as against fixed sectional circular thick walled M.S. Clamps. Circular arc in the Jupiter Clamp is adjustable to slight change in the diameter of the mating part which lags in the later.
- 2 Wider Bandwidth :** Wider bandwidth helps in distribution of total radial clamping pressure more uniformly and equally than narrow width or wire clamp
- 3 Vibration-proofness:** Use of self locking nyloc nut or Spring helps to avoid re-opening during vibrations.
- 4 Corrosion Resistant :** S.S. Band with optional S.S. T-Bolt imparts corrosion resistant quality and advantage of re-use and failproofness after use.
- 5 Strength:** Use of High tensile S.S. material inspite of its thin gauge helps to secure safety of the equipment and it's longer life.
- 6 Light Weight:** For the equivalent strength of Jupiter T-bolt clamps other designs out of M.S. will necessitate bigger weight, which may not be permissible or desirable.
- 7 Clamping of Metallic inserts:** Clamping of splitted, tubular sheet riser such as on Air Cleaner over it's metallic tube insert is possible by Jupiter clamp due to it's inherited quality of flexibility and above features.
- 8 Multifarious design aspect:** Reference to various designs displayed on overleaf will give wide selections of quick opening type, constant torque quality, longer range and other requirements.
- 9 Reliability:** Special care is taken for the production of high quality T-Bolts to avoid breakage or failure with the help of Modern equipments and unique process.

IDENTIFICATION CODE Nos. (TYPES)

In order to differentiate the applications / designs, Jupiter clamps generally have their own identification type codes.



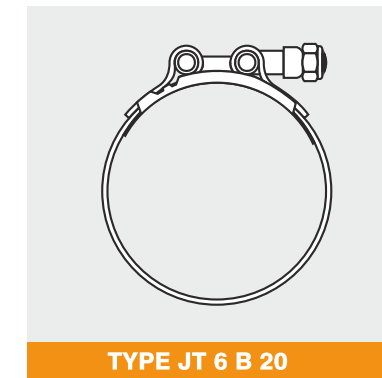
Material Code	Item		
	Band / Bridge	T-Guide / Nut	T-Bolt
6	AISI 201/202	M.S. (Zinc Plated)	Carbon Steel (Zinc Plated)
7	AISI 304	AISI 304	AISI 304/400 Series
8	AISI 316	AISI 316	AISI 316



TYPE JT 6 A 20

Standard Clamp:

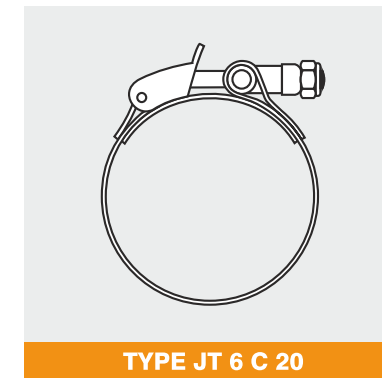
This flat shoe of bridge clamp is widely used for general applications.



TYPE JT 6 B 20

Clamp with formed bridge:

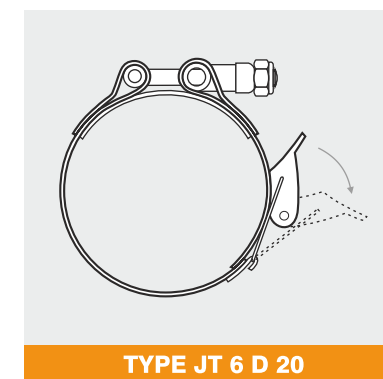
This is generally used for soft surfaces like silicon hose connections and special applications.



TYPE JT 6 C 20

Quick Opening Clamp:

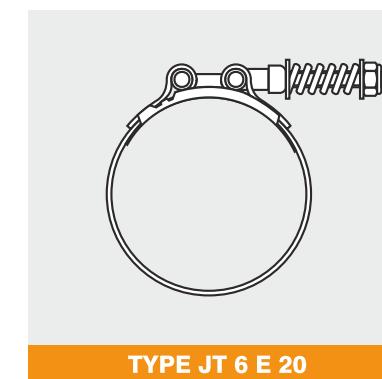
This construction helps to avoid complete opening of nut and facilitates easy mounting or dismounting



TYPE JT 6 D 20

Snap Action Clamp:

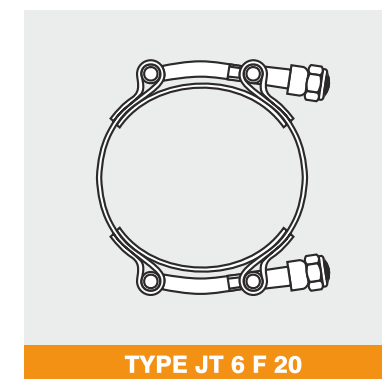
This is designed to have facility of re-opening and re-clamping of assembly required frequently for re-cleaning, re-inspection, and re-servicing etc.



TYPE JT 6 E 20

Constant Torque Clamp:

This spring loaded clamp is used for safety of assembly of hose or connected components from excessive pressure than the necessary. The joint is more vibration-proof under severe working conditions and can be used for sub-zero temp. applications.

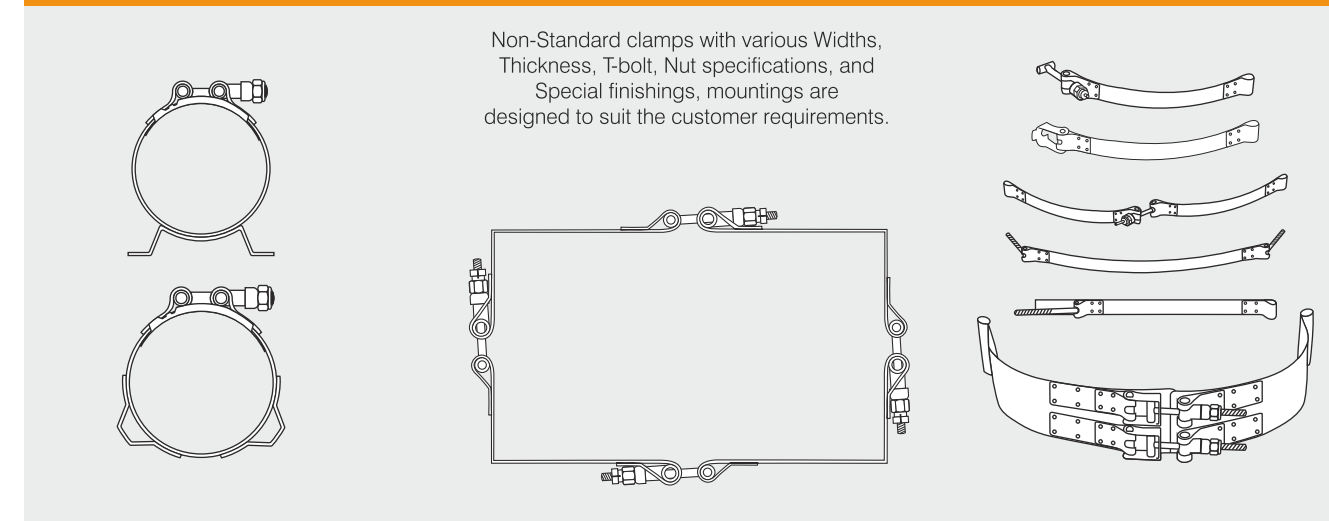


TYPE JT 6 F 20

Wide Range Clamp:

This is double T-bolt clamp designed for higher range of clamping requirement.

SPECIAL NON-STANDARD AVAILABILITIES



Non-Standard clamps with various Widths, Thickness, T-bolt, Nut specifications, and Special finishings, mountings are designed to suit the customer requirements.