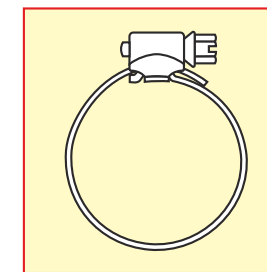


# JUPITER WORM DRIVE CLAMPS

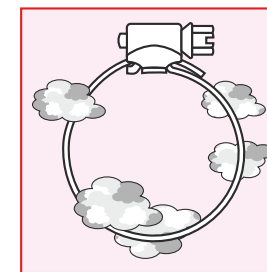
SALIENT FEATURES AND BENEFITS OF JUPITER WORM DRIVE CLAMPS		ADVANTAGES TO		
		Assembler User		End User
		Direct	Indirect	
1	Highest clamping range for emergency use at alternative size applications and thus reduces inventory. 			✓
2	Wider tolerance allowable on hose thickness and insert tube reduces expenses of mating parts.		✓	
3	Vibration-proof quality by Worm Drive Principle avoids risk of leakage and Warrantee claims and gains goodwill. 		✓	✓
4	High clamping pressure with low tightening torque provides convenience at Assembly.	✓		✓
5	High band flexibility adjusts itself to suit the shape of mounting hose and its deflected inserts 		✓	
6	Corrosion resistance by use of S.S. avoids periodic repurchases.			✓
7	Omission/Minimum use of Zinc Plating helps to follow the Environment Protection norms.			✓
8	Withstands climatic fluctuations from hot to below 0°C with leak-proof ness. (Ref : Type JW □ D)	✓		✓
9	Uniform radial clamping pressure all over the hose engagement area enhances leak-proof quality and hose life. 	✓	✓	✓
10	Saves non-clamp expenses of non-standard crimping installation tools required for certain designs.	✓	✓	
11	Avoids problems of non-availability of such special tools at fieldwork.			✓
12	Longest life of Jupiter avoids repeated inflationary purchase cost with O.H. suffered by the end-user caused by short life clamps.		✓	✓
13	Provision of high safe torque strength values assures safety against dangerous slippage causing total loss of clamp, coolant, engine performance and thus avoids warrantee claims and adds to goodwill.	✓	✓	✓
14	Uniformly distributed pressure by Jupiter on wider hose area by its strip type band increases hose life unlike clamping by wire or holed strap, which penetrates the hose surface and reduces hose life. The indirect benefit of Jupiter strip band is thus transferred to hose. This is very important for soft surfaces of precious Silicon hoses or for costly coolant connections. 		✓	✓



**TYPE JW 6B ■■**

**All Stainless Steel Clamps**

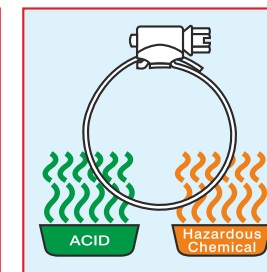
These are for normal environmental or Water contamination applications out of all S.S. AISI : 201/202 material.



**TYPE JW 7B ■■**

**All Stainless Steel Clamps**

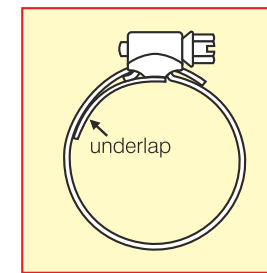
These are high strength clamps for general Salt Water or chemical applications out of all S.S. AISI 304 material.



**TYPE JW 8B ■■**

**Acid proof Clamps**

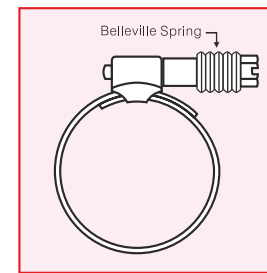
These are special type with use of AISI 316 for high corrosion resistance such as acid-proof applications.



**TYPE JW ■ C ■■**

**Clamps with Underlap**

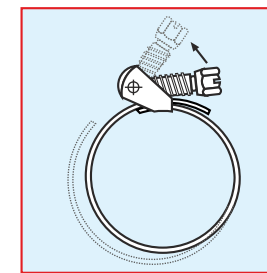
These types give more protection for hose surfaces by provision of underlap beneath the band threads and are available on demand.



**TYPE JW ■ D ■■**

**Constant Torque Clamps**

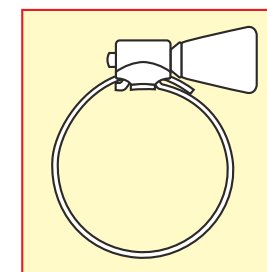
These types are more vibration-proof under severe conditions. They also withstand for Hot and Cold climatic fluctuations by automatic self adjustment of clamp dia as the nature demands.



**TYPE JW ■ E ■■**

**Snap Action Clamps**

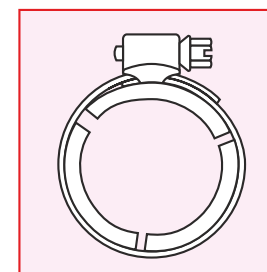
These types have snap action operation specially developed for applications when frequent or periodical re-opening is required. They are generally long ranged clamps to facilitate quick easy mounting for variable application sizes.



**TYPE JW ■ F ■■**

**Worm Drive Thumb Screw Clamps**

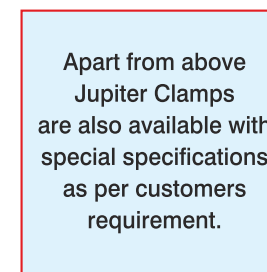
Built-in Screw flap is provided if required for quick closing and opening operations without use of tool.



**SPECIAL TYPE**

**Worm Drive V-Clamps**

V-type sectors are provided underneath the Band for jointing Light flanged pipe connections for peculiar requirement.



**SPECIAL DESIGNS**

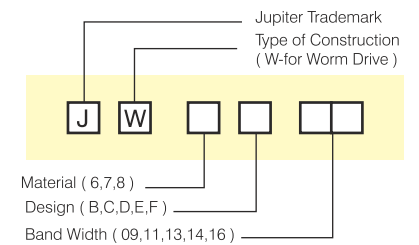
Apart from above Jupiter Clamps are also available with special specifications as per customers requirement.

**ACTUAL USER APPLICATIONS**

Jupiter is the pioneer Indian product to have been credited with ISO 9001 Quality certification. All the above aspects with prompt services led Jupiter to high level of esteem, amongst leading Quality conscious Actual Users. Jupiter clamps are developed as O.E. components for prestigious users who manufacture best world class requirements of Heavy Engines, Vehicles, Tractors, Heavy Vehicles, Electrical Assemblies, Irrigation, Railway, Defence, Pneumatic connections, Aircraft, Chemical equipments and Export requirements from the developed countries.

**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.

- Clamp DIA means Max Dia of the clamp to suit the OUTSIDE Dia of the mounting hose. Use of mere term 'Hose Dia' (If 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
- 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

## WORM DRIVE CLAMPS

**GENERAL SPECIFICATIONS IN BRIEF**

Clamping Dia ( D )			Screw Head ( F )	Band Width ( b )				( T ) Failure Torque* Nm ( lb / in )	( P ) Pressure Kgf / cm <sup>2</sup> ( lbs / in <sup>2</sup> )
Min	Max			Applicability shown thus (✓)					
mm	mm	Inch	mm	9.0 mm	11.0 mm	12.7 mm	15.8 mm		
8	13	1/2	7	✓	✓			14.1 (200)	
11	16	5/8	7	✓	✓				
15	20	3/4	7	✓	✓				
17	22	7/8	7	✓	✓				
20	25	1	7	✓	✓			8.4 (120)	
21	30	1 3/16	8			✓			
26	35	1 3/8	8			✓	✓		
29	38	1 1/2	8			✓	✓		
25	41	1 5/8	8			✓	✓	4.2 (60)	
29	45	1 3/4	8			✓	✓		
32	48	1 7/8	8			✓	✓		
36	52	2 1/16	8			✓	✓		
39	55	2 5/32	8			✓	✓		
44	60	2 3/8	8			✓	✓		
49	65	2 9/16	8			✓	✓		
54	70	2 3/4	8			✓	✓		
59	75	2 15/16	8			✓	✓		
64	80	3 1/8	8			✓	✓		
66	82	3 1/4	8			✓	✓	9.02 (80)	
74	90	3 9/16	8			✓	✓		
85	101	4	8			✓	✓		
99	115	4 1/2	8			✓	✓		
111	127	5	8			✓	✓		
114	130	5 1/8	8			✓	✓		
130	146	5 3/4	8			✓	✓		
144	160	6 9/32	8			✓	✓		

\* These figures are referred from BS:5315 / DIN:3017. Jupiter is tested for values in excess of the same

Clamps of bigger Diameters with any clamping range are available. Non- Standard specifications are developed to suit customer requirements and P. Number applications as O.E.



Developed for  
 ✓ Fail-proof ✓ Maintenance-free ✓ Long life applications



Manufactured by :  
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 Phones : (91) (022) 533 2184, 536 8577, 536 2525,  
 Fax : (91) (022) 533 6968, email : sales@jupiter-clamps.com  
 Website : www.jupiter-clamps.com



*thus Jupiter is always for peaceful long services.*