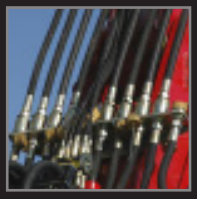
Hydraulic & Offshore Supplies

Clamp Spacing

YOUR GATEWAY TO GLOBAL SUPPLY

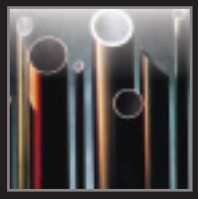

HOSE ASSEMBLIES


PRESSURE TESTING


WALFORM


EQUIPMENT PACKAGES


FLANGES

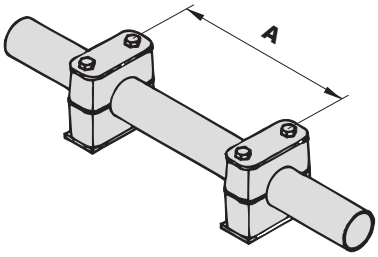

PIPE & TUBE

Hydraulic & Offshore Supplies

Pipe Clamp Spacing

Pipeline Products for all Industries

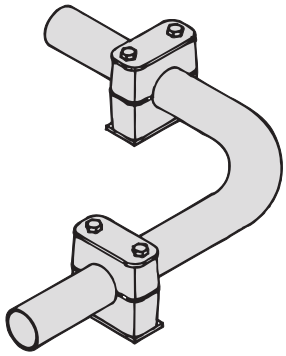
RECOMMENDED DISTANCE BETWEEN CLAMPS



The recommended distances between clamps stated below are standard values and are valid for static loads.

Pipe-O.D. [mm]	Distance A [m]
6,0 – 12,7	1,0
12,7 – 22,0	1,2
22,0 – 32,0	1,5
32,0 – 38,0	2,0
38,0 – 57,0	2,7
57,0 – 75,0	3,0
75,0 – 76,1	3,5
76,1 – 88,9	3,7
88,9 – 102,0	4,0
102,0 – 114,0	4,5
114,0 – 168,0	5,0
168,0 – 219,0	6,0
219,0 – 324,0	6,7
324,0 – 356,0	7,0
356,0 – 406,0	7,5
406,0 – 419,0	8,2
419,0 – 508,0	8,5
508,0 – 521,0	9,0
521,0 – 558,0	10,0
558,0 – 800,0	12,5

BASIC MOUNTING INSTRUCTIONS



Pipe bends should be supported by STAUFF clamps as near to the bends as possible.

Furthermore, it is recommended to design these clamps as fixed point clamps.

The first clamp should be placed directly behind the threaded connection or coupling. This protects the threaded connection or coupling from vibrations.

If valves are incorporated in the pipelines, it is recommended that support is provided in front of and behind these valves

THREAD CHART

Metric vs. UNC Thread

STANDARD SERIES

Group	Metric Thread	UNC Thread
1	M6	1/4 – 20 UNC
1A		
2		
3		
4		
5		
6		
7		
8		

HEAvy SERIES

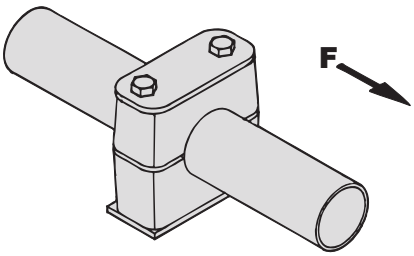
Group	Metric Thread	UNC Thread
3S	M10	3/8 – 16 UNC
4S		
5S		
6S	M12	7/16 – 14 UNC
7S	M16	5/8 – 11 UNC
8S	M20	3/4 – 10 UNC
9S	M24	7/8 – 9 UNC
10S	M30	1 1/8 – 7 UNC
11S	M30	1 1/4 – 7 UNC
12S		

TWIN SERIES

Group	Metric Thread	UNC Thread
1D	M6	1/4 – 20 UNC
2D	M8	5/16 – 18 UNC
3D		
4D		
5D		

Tel: +44 (0)191 549 7335 Fax: +44 (0)191 516 0004 Email: hos@hos.co.uk Website: www.hos.co.uk

Tightening Torques And Maximum Loads In Pipe Direction



All tightening torques and maximum loads in pipe direction refer to clamps with cover plates and hexagon head bolts acc. to DIN EN ISO 4014/4017 (DIN 931/933).

The max. load in pipe direction (acc. to DIN 3015, part 10) is an average value, determined by three tests at 23° C with a steel pipe acc. to DIN EN 10220, St37 – rolled surface – taking static friction into consideration.

Sliding starts when the shown values **(F)** are reached.

STANDARD SERIES (according to DIN 3015, part 1)

Group	Hexagon Head Bolt DIN EN ISO 4014/4017 (DIN 931/933)	Polypropylene		Polyamide		Aluminum	
		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]
1	M6	8	0,6	10	0,6	12	3,5
1A		8	1,1	10	0,7	12	4,2
2		8	1,3	10	0,8	12	4,3
3		8	1,4	10	1,6	12	4,9
4		8	1,5	10	1,7	12	5,0
5		8	1,9	10	2,0	12	7,3
6		8	2,0	10	2,5	12	8,9

HEAvy SERIES (according to DIN 3015, part 2)

Group	Hexagon Head Bolt DIN EN ISO 4014/4017 (DIN 931/933)	Polypropylene		Polyamide		Aluminum	
		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]
3 S	M10	12	1,6	20	4,2	30	12,1
4 S		12	2,9	20	4,5	30	15,1
5 S		15	3,3	25	5,1	35	15,5
6 S	M12	30	8,2	40	9,3	55	29,4
7 S	M16	45	11,0	55	15,8	120	34,9
8 S	M20	80	14,0	150	21,0	220	50,0
9 S	M24	110	28,0	200	32,0	250	70,6
10 S	M30	180	40,0	350	48,0	500	84,5
11 S		200	119,0	370	125,0	500	181,5
12 S		270	168,0	450	180,0	600	244,5

TWIN SERIES (according to DIN 3015, part 3)

Group	Hexagon Head Bolt DIN EN ISO 4014/4017 (DIN 931/933)	Polypropylene		Polyamide	
		Tightening torque [Nm]	Max. load in pipe direction F [kN]	Tightening torque [Nm]	Max. load in pipe direction F [kN]
1 D	M6	5	0,9	5	0,9
2 D	M8	12	2,1	12	2,2
3 D		12	1,9	12	2,0
4 D		12	2,7	12	2,9
5 D		8	1,7	8	2,5