Mfrs of	Plastic Injectio	n M	ould	ed It	ems		Tu	be	Cl	an	np	8	Pipe	? C	a	m	p		5					
PIPE CL	AMPS- SING	iLE	SE	RIE	S									aco	or	din	g i	to	DII	130)15	, P	ar	t 1
MATERIAL & FINISHING (PARTS	& SURFACE DF METAL		C	CLAN onsist clam	IP BC ting o p halv	DY f two /es	I		C P	ovei Late CP	R E		HEXAGON HEAD BOLT HB		W	sin Eld SV	gle Pl/ VP	E ATE		HEXAGON RAIL NUT RN				
carbon steel zinc plated stainless stee 1.4301/1.430 (AISI304) stainless stee 1.4401/1.457 (AISI316/316 Alternative m surface finish to the above are available	St37, P1 bl A2 - b5 P2 bl A4 - P3 1 Ti) naterials and nings in addition stated standard upon request.	S			2		±	B		øD (L2 L1			DIN EN ISO 4014 / 4017 (DIN 931/933)			S	Ф В	12	L1	H		M6 B ØD	-	
MATERIAL & FINISHING C	SURFACE ODE		۶ PA	SEE CO RT IDE		NENT CATIO	N																	
GROUP	OUTSIDE DIAMETER PIPE IN MM ØD1	L1	L2	Inside profiled H	Surface smooth S	н	Width	L1	L2	в	s	ØD	GxL	L1	L2	в	s	н	ØD	L	В	H1	H2	ØD
1	6 8 10 12	37	20	27	0,4 min.	26	30	34	20	30	3	7	M6 x 30	36	20	30	3	6,5	12					
2	14 16 18	42	26	33	0,6 min.	32	30	40,5	26	30	3	7	M6 x 35	42	26	30	3	6,5	12					
3	20 22 25	50	33	36	0,6 min.	35,5	30	48	33	30	3	7	M6 x 40	50	33	30	3	6,5	12	25,5	10,2	13,5	5,5	12
4	28 30 32	59	40	42	0,6 min.	41,5	30	57	70	30	3	7	M6 x 45	60	40	30	3	6,5	12					
5	35 38 40 42	71	52	58	0,8 min.	56,5	30	70	52	30	3	7	M6 x 60	71	52	30	3	6,5	12					





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Tube clamp & Pipe clamp

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 2448, St 37 – rolled surface – taking static friction into consideration.

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

	STANDAR	RD SERIES (a	ccording to DI	N 3015, part 1)		
	Hexagon	Polypro	opylene	Polyamide			
Group	Head Bolt DIN EN ISO 4014/4017 (DIN 931/933)	Tightening torque [Nm]	Max. load in pipe direction F [kN]	Tightening torque [Nm]	Max. load in pipe direction F [kN]		
1	1	8	1,1	10	0,7		
2		8	1,3	10	1,3		
3	M 6	8	1,4	10	1,6		
4		8	1,5	10	1,7		
5		8	1,9	10	2,0		

		TWIN SERIES (according to DIN 301	5, part 3)			
	Hexagon	Polypro	opylene	Polyamide			
Group	Head Bolt DIN EN ISO 4014/4017 (DIN 931/933)	Tightening torque [Nm]	Max. load in pipe direction F [kN]	Tightening torque [Nm]	Max. load in pipe direction F [kN]		
1 D	M 6	5	0,9	5	0,9		
2 D		12	2,1	12	2,2		
3 D		12	1,9	12	2,0		
4 D	M 8	12	2,7	12	2,9		
5 D]	8	1,7	8	2,5		

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CLAMP BODIES		
MATERIAL	PP	PA
Other materials (according to DIN 5510, UL 94, NF F 16/101 for exam- ple) are available on request.	POLYPROPYLENE Copolymeric	POLYAMIDE ¹ *
COLOUR	GREEN	BLACK
MECHANICAL PROPERTIES		
ensile E-Module	1073 N/mm ² (ISO 527)	> 1400 N/mm ² (IS0 527)
Notch Impact Strength	7,5 kJ/mm ² at 23°C (acc. to Charpy / ISO 179/1eA)	> 15 kJ/n ² at 23°C (acc. to Charpy / ISO 179/1eA)
_ow Temperature Notch Impact Strength	3,1 kJ/mm ² at -30°C (acc. to Charpy / ISO 179/1eA)	>3 kJ/m ² at -30°C (acc. to Charpy / ISO 179/1eA)
Tensile Strength at Yield (Tensile Strength)	25 N/mm ² (ISO 527)	> 55 N/mm² (IS0 527)
Ball Indentation Hardness Brinell Hardness)	45,4 N/mm ² (ISO 2039-1)	> 65 N/mm² (IS0 2039-1)
Shore Hardness		
HERMAL PROPERTIES	1	
Recommended Temperature Range (Minimum / Maximum)	-30°C +90°C	-40°C +120°C
CHEMICAL PROPERTIES	1	
Weak Acids, Solvents	conditionally consistent	conditionally consistent
Benzine, Mineral Oils	conditionally consistent	consistent
Icohol, Other Oils, Seawater	consistent	consistent
IOTES	*1 The stated information has been d	efined for conditions according to ISO 1110.
	*2 Tensile strengths, fatigue strength toughness rise constantly at decre decreases at a decreasing tempera	(under reversed bending stress) and impact bending asing temperature level, the breaking elongation normally ature level.
	The above stated information is shown test arrangements. Tightening Torques	without any obligation and does not release you from ov and Maximum Loads need to be considered (see page 5
IETAL PARTS		
Jnless otherwise stated, all metal pa	rts are made of carbon steel St37, surfac	e finishing according to order code.
Surface Finishings In addition to the standard surface to DIN EN 12476) several alternativ	finishings stated (if zinc plated, usually F re finishings (like Fe/Zn 12 C) are also ava	e/Zn 8 C, if phosphated, usually Fe/Znph r 10 according ailable on request.
Stainless Steel Metal Parts All metal parts are also available e	x stock in two different stainless steel qu Stainless Steel A2 - 1.4301/1.43 Stainless Steel A4 - 1.4401/1.43	ualities: 305 (AISI 304) 571 (AISI 316/316Ti)
Threads All threaded parts are available wit		