



## Tubing with Threaded Non-Upset/Upset End and Coupling

STANDARD	
	API Spec 5 CT

### DIMENSIONS

O.D.		Weight, (T & C)				W.T.		Steel grade				
		Non Upset		Upset		in	mm	H40	J55	N80	L80	P110
		lb/ft	kg/m	lb/ft	kg/m							
2 3/8	60,33	4,6	6,84	4,7	7	0,19	4,83	N;U	N;U	N;U	N;U	N;U
	-	5,8	8,63	5,95	8,78	0,254	6,45	-	-	N;U	N;U	N;U
2 7/8	73,03	6,4	9,52	6,5	9,67	0,217	5,51	N;U	N;U	N;U	N;U	N;U
	-	7,8	11,6	7,9	11,75	0,276	7,01	-	-	N;U	N;U	N;U
	-	8,6	12,8	8,7	12,94	0,308	7,82	-	-	N;U	N;U	N;U
3 1/2	88,9	7,7	11,46	-	-	0,216	5,49	N	N	N	N	-
	-	9,2	13,69	9,3	13,84	0,254	6,45	N;U	N;U	N;U	N;U	N;U
	-	10,2	15,18	-	-	0,289	7,34	N	N	N	N	N
	-	12,7	18,9	12,95	19,27	0,375	9,52	-	-	N;U	N;U	N;U
4	101,6	9,5	14,13	-	-	0,226	5,74	N	N	N	N	-
	-	-	-	11	16,37	0,262	6,65	U	U	U	U	-
4 1/2	114,3	12,6	18,75	12,75	18,97	0,271	6,88	N;U	N;U	N;U	N;U	-

where:

N = Non-Upset tubing (T & C)

U = External Upset tubing (T & C)

Weight per unit calculation formula:

$$w = (\text{O.D.} - \text{W.T.}) \times \text{W.T.} \times 0.0246615 \text{ (kg/m)}$$

$$w = (\text{O.D.} - \text{W.T.}) \times \text{W.T.} \times 10.68 \text{ (lb/ft)}$$

### STEEL REQUIREMENTS

Steel grade	Chemical requirements							Mechanical requirements		
	C	Mn	Ni	Cu	P	S	Si	Tensile strength	Yield limit	Elongation A min.
	max.	max.	max.	max.	max.	max.	max.		R <sub>0,2</sub>	
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	N/mm <sup>2</sup>	N/mm <sup>2</sup>	(%)
H40	-	-	-	-	0,03	0,03	-	min.414	276-552	calculation
J55	-	-	-	-	0,03	0,03	-	min.517	379-552	according
N80	-	-	-	-	0,03	0,03	-	min.689	552-758	to the wall
L80	0,43	1,9	0,25	0,35	0,03	0,03	0,45	min.655	552-655	thickness
P110	-	-	-	-	0,03	0,03	-	min.724	655-758	

NOTES	
<b>LENGTHS</b>	Range I: 6,10-7,32 meters; (20,0-24,0 ft)
	Range II: 8,53-9,75 meters; (28,0-32,0 ft)
<b>PROTECTION</b>	Unprotected or external varnished
	Each pipe is provided with plastic protectors at both ends
<b>MARKING</b>	Die stamping or/and paint stenciled according to standard or per customer request
	Technical details can be also marked on tags attached to each bundle.
<b>DELIVERY</b>	In bundles of maximum 2500 Kg, tied in minimum four places with steel strips.
<b>MILL TEST REPORT</b>	Mill test reports are issued to customer requirements.
	Usually they comply with EN 10204 - 3.1.B (din 50049-3.1.B).

## Threaded Casing with Short/Long Round Thread or Buttress

<b>STANDARD</b>	
	<b>API Spec 5 CT</b>

## DIMENSIONS

O.D.		Weight T&C		W.T.	Steel grade						
in	mm	Lb/ft	Kg/m	mm	H40	J55	K55	N80	L80	C95	P110
4 1/2	114,3	9,5	14,14	5,21							
		10,5	15,63	5,69							
		11,6	17,26	6,35							
		13,5	20,09	7,37							
		15,1	22,5	8,56							
5	127	11,5	17,11	5,59							
		13	19,35	6,43							
		15	22,32	7,52							
		18	26,79	9,19							
		21,4	31,9	11,1							
		23,2	34,6	12,14							
5 1/2	139,7	14	20,83	6,2							
		15,5	23,07	6,98							
		17	25,30	7,72							
		20	29,76	9,17							
		23	34,23	10,54							
6 5/8	168,3	20	29,76	7,32							
		24	35,72	8,94							
		28	41,67	10,59							
		32	47,62	12,06							
7	177,8	17	25,30	5,87							
		20	29,76	6,91							
		23	34,23	8,05							
		26	38,69	9,19							
		29	43,16	10,36							
		32	47,62	11,51							
		35	52,09	12,65							

		38	56,55	13,72							
7 5/8	193,7	24	35,72	7,62							
		26,4	39,29	8,33							
		29,7	44,20	9,52							
		33,7	50,15	10,92							
		39	58,04	12,70							
8 5/8	219,1	24	35,72	6,71							
		28	41,67	7,72							
		32	47,62	8,94							
		36	53,58	10,16							
		40	59,53	11,43							
		44	65,48	12,7							
		49	72,92	14,15							
9 5/8	244,5	32,3	48,07	7,92							
		36	53,58	8,94							
		40	59,53	10,03							
		43,5	64,74	11,05							
		47	69,95	11,99							
		53,5	79,62	13,84							
10 3/4	273	32,75	48,74	7,09							
		40,5	60,27	8,89							
		45,5	67,71	10,16							
		51	75,9	11,43							
		55,5	82,6	12,57							
11 3/4	298,4	42	62,5	8,46							
		47	69,95	9,52							
		54	80,36	11,05							
		60	89,29	12,42							
13 3/8	339,7	48	71,5	8,38							
		54,5	81,18	9,65							
		61	90,86	10,92							
		68	101,29	12,19							
		72	107,24	13,06							
16	406,4	75	111,7	11,13							
		84	125,1	12,57							
20	508	94	140	11,13							
		106,5	158,6	12,7							
		133	198,1	16,13							

Weightperunitcalculationformula:  
 $w = (O.D. - W.T.) \times W.T. \times 0.0246615 \text{ (kg/m)}$   
 $w = (O.D. - W.T.) \times W.T. \times 10.68 \text{ (lb/ft)}$

Couplings: SPC, LTC, BTC or VAM as per agreement

## STEEL REQUIREMENTS

Steel grade	Chemical requirements							Mechanical requirements		
	C	Mn	Ni	Cu	P	S	Si	Tensile strength	Yield strength	Elongation A min.
	max	max	max	max	max	max	max	N/mm <sup>2</sup>	N/mm <sup>2</sup>	(%)
	(%)	(%)	(%)	(%)	(%)	(%)	(%)			
H40	-	-	-	-	0,03	0,03	-	min. 414	276-552	calculation
J55	-	-	-	-	0,03	0,03	-	min. 517	379-552	according
K55	-	-	-	-	0,03	0,03	-	min. 655	379-553	to the wall
N80	-	-	-	-	0,03	0,03	-	min. 689	552-758	thickness
L80	0,43	1,9	0,25	0,35	0,03	0,03	0,45	min. 655	552-655	
C95	0,45	1,9	-	-	0,03	0,03	0,45	min. 724	655-758	
P110	-	-	-	-	0,03	0,03	-	min. 724	655-758	
NOTES										
LENGTHS	Range I: 4,88-7,62 meters									
	Range II: 7,62-10,36 meters									
	Range III: 10,36-12,00 meters									
PROTECTION	Unprotected or external protection									
	Each pipe is provided with plastic protectors at both ends.									
MARKING	Die stamped or/and paint stenciled according to standard or									
	per customer request.									
TOLERANCES	On outside diameter-D: +1%, -05%; the upper limit shall not exceed +3,18 mm									
	Wall thickness – t: -12,5%									
	Weight per piece: +6,5%/-3,5%									
DELIVERY	In bundles of maximum 2500 kg, tied in minimum four places									
	with steel strips.									
MILL TEST REPORT	Mill test reports are issued to customer requirements.									
	Usually they comply with EN 10204 - 3.1.B (DIN 50049 - 3.1.B)									
THIRD PARTY INSPECTION	LRS, BV, DNV, SGS, GL or similar to be agreed; EN 10204-3.1.C. (DIN 50049/3.1.C.)									

OLMAX GmbH

Fra. F. Grabovca 22/V, 10000 ZAGREB/Croatia

( Work Tel#: +385 1 4663 449

7 Fax#: +385 1 4650 7877 Fax#: +1 720 3840 9047 Fax#: +44 709 2384 3443