



Drill Pipes with Welded-on Tool-Joints/Threaded End

STANDARD	
	API Spec 5 D

DIMENSIONS

O.D. in mm		I. D. mm	W .T.		Calculated weight		Upset end type	Tool joints type
			in	mm	Plain end	Upset		
					(kg/m)	(kg)		
2 7/8	73	54,6	9,20	0.362	14,47	1,09; 2,80	EU	NC31 (2 7/8 IF)
3 1/2	88.9	75.9	6,40	0.254	13.21	1,18	EU	NC38 (3 1/2 IF)
		70.3	9,30	0.368	18.26	1,82	EU	NC 38 (3 1/2 IF)
		66.1	11,40	0.449	21.79	1,27	EU	NC 38 (3 1/2 IF)
5	127.0	66.1	11,40	0.449	21.79	3,72	IEU	NC 38 (3 1/2 IF)
		101.6	12,70	0.500	35.80	9,62	IEU	NC 50 (4 1/2 IF)

Where:

EU = External Upset

IEU = Internal External Upset

STANDARD	
	TU 1324-137-0147016-01

DIMENSIONS

O.D. mm	W.T.	Upset end type	Steel grade	Tool joints type
	mm			
60	7,11	EU	D,E,L,M	ZP-86-45
73	7	IEU	D	ZP-86-45-1
	9	IEU	D,E	ZP-92-34
	9	IEU	D,E,L,M	ZP-105-45
	9	EU	D,E	ZP-105-54
	9,2	EU	D,E,L,M	ZP-105-51
89	6,5	EU	D,E	ZP-121-76
	8	IU	D,E	ZP-108-45
	8	EU	D,E,L	ZP-121-68
	9,35	EU	D,E	ZP-121-68
	9,35	EU	L	ZP-127-65
	9,35	EU	M	ZP-127-62
114	8,56	EU	D,E,L,M	ZP-159-93
127	9,2	IEU	D,E	ZP-162-95
	9,2	IEU	D,E,L	ZP-162-89

STEEL REQUIREMENTS

Standard	Steel grade	Chemical requirements					Mechanical requirements		
		C	Mn	P	S	Si	Tensile strength	Yield limit	Elongation
		max.	max.	max.	max.	max.	$R_{m,0.2}$	R_{eL}	A min.
		(%)	(%)	(%)	(%)	(%)	N/mm ²	N/mm ²	(%)
API 5 D	E75	-	-	0.03	0.03	-	min. 689	max. 724	calculation
	X95	-	-	0.03	0.03	-	min. 724	max. 862	according
	G105	-	-	0.03	0.03	-	min. 793	max. 931	to the wall
	S135	-	-	0.03	0.03	-	min. 1000	max. 1138	thickness 16
TU 1324-	D	-	-	0.03	0.03	-	min.655	-	16
137-0147	E	-	-	0.03	0.03	-	min.689	max.724	14
016-01	L	-	-	0.03	0.03	-	min.724	max.862	14
	M	-	-	0.02	0.02	-	min.792	max.930	12

NOTES		
LENGTHS	Range I: 5.49-6.71 meters	API 5D
	Range II: 8.23-9.14 meters	
	Range I: 5,9-6,3 meters	TU 1324-137-0147016-01
	Range II: 8,0-8,4 meters	
	Range III: 9,0-9,45 meters	
	Range IV: 11,9-12,5 meters	
PROTECTION	Unprotected or external varnished	
	Each pipe is provided with plastic protectors (threaded drill pipes) metallic protectors	
	(drill pipes with welded-on tool-joints) at both ends	
MARKING	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.	
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.)	

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