

DECLARATION OF PERFORMANCE

According to Regulation EU No 305/2011

NO: F - 326

Unique identification code of the product-type	Cold formed welded structural steel hollow sections according to EN 10219-1:2006		
Identification	Shape of cross-sections	Dimensions	Steel designation
	Rectangular Hollow Sections	B X H = from 15 X 10 up to 140 X 120 mm wall thickness from 2,00 up to 6,00 mm	S235JRH S275J0H S275J2H, S355J0H S355J2H S355K2H
	Square Hollow Sections	BXB = from 10 X 10 up to 130 X 130 mm wall thickness from 2,00 up to 6,00 mm	
	Circular Hollow Sections	Outside Diameter from $\varnothing=10,0$ up to $\varnothing 168,3$ mm wall thickness from 2,00 up to 6,00 mm	
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification	Construction , Furniture , Automotive , White Goods		
Manufacturer	ÇINAR BORU PROFİL SAN. VE TİC. A.Ş. İstanbul Yolu Cad. Demir Çelik İş Hani Kat:2/203 EREĞLİ/ZONGULDAK –TURKEY		
System or systems of assessment and verification of constancy of performance of the construction product	System 2+		
Name and ID number of the notified Body	SZUTEST TEKNİK KONTROL VE BELGELENDİRME HİZMETLERİ TİC. LTD.ŞTİ. No. 2195		
Declared performance			
Essential features	Performance	Harmonized technical specifications	
Dimensional and shape tolerances	As per Table 1	EN 10219 - 2 : 2006	
Elongation	As per Table 2	EN 10219 - 1 : 2006	
Yield and tensile resistance strength			
Impact strength			
Weldability	As per Table 2		
Durability	As per Table 2		

Table 1- Dimensional and shape tolerances			
	Circular hollow sections	Square hollow sections	Rectangular hollow section
Outside dimensions	Ø 10 up to Ø 168,3	10 x 10 up to 130 x 130	15 x 10 up to 140 x 120
Thickness	0,60 up to 6,30	0,60 up to 6,30	0,60 up to 6,30
Out of roundness	2 % for hollow section having a diameter to thickness ratio not exceeding 100	-	-
Concavity/Convexity	-	Max. 0,8 % with a minimum of 0,5 mm	Max. 0,8 % with a minimum of 0,5 mm
Squareness of side	-	90° ± 1°	90° ± 1°
External corner profile	-	T ≤ 6 1,6T to 2,4T	T ≤ 6 1,6T to 2,4T
Twist	-	2 mm plus 0,5 mm/m length	2 mm plus 0,5 mm/m length
Straightness	0,20 % of total length and 3 mm over any 1 m length	0,15 % of total length and 3 mm over any 1 m length	0,15 % of total length and 3 mm over any 1 m length
Mass	± 6 % on individual delivered length	± 6 % on individual delivered length	± 6 % on individual delivered length
Tolerances on length	0 / + 50 mm	0 / + 50 mm	0 / + 50 mm

Table 2- Mechanical Properties				
Essential features	Performance			
Elongation	Steel grades	Minimal elongation (A)		
		0,60 – 6,30 mm		
	S235JRH	24 %		
	S275JOH	20 %		
	S275J2H	20 %		
	S355JOH	20 %		
	S355J2H	20 %		
	S355K2H	20 %		
Yield and tensile strength	Steel grades	Minimal yield strength R _{eH} (MPa)	Tensile strength R _m (MPa)	
		0,60 – 6,30 mm	0,60–3,00mm	≥ 3,00 -6,30 mm
	S235JRH	235 Mpa	360-510 Mpa	360-510 Mpa
	S275JOH	275 Mpa	430-580 Mpa	410-560 Mpa
	S275J2H	275 Mpa	430-580 Mpa	410-560 Mpa
	S355JOH	355 Mpa	510-680 Mpa	470-630 Mpa
	S355J2H	355 Mpa	510-680 Mpa	470-630 Mpa
	S355K2H	355 Mpa	510-680 Mpa	470-630 Mpa
Impact strength	Steel grades	Minimal breakage energy upon impact KV ^c		
		Test temperature		
		-20°C	0°C	+20°C
	S235JRH	-	-	27J
	S275JOH	-	27J	-
	S275J2H	-	27J	-
	S355JOH	27J	-	-
	S355J2H	27J	-	-
S355K2H	27J	-	-	

TABLE 3-Maximum carbon equivalent value (CEV) based on castanalysis

Steel grades		Maximum CEV for nominal thicknesses ≤ 40 mm %
Steel name	Steel Number	
S235JRH	1,0039	0,35
S275JOH	1,0149	0,40
S275J2H	1,0138	0,40
S355JOH	1,0547	0,45
S355J2H	1,0576	0,45
S355K2H	1,0512	0,45

Signed for and on behalf of the manufacturer by:



MURAT DÖKMECİ
QUALITY MANAGER

ÇINAR BORU PROFİL SAN. VE TİC. A.Ş.

26.07.2013

DECLARATION OF PERFORMANCE

According to Regulation EU No 305/2011

NO: F - 327

Unique identification code of the product-type	Non-alloy steel tubes suitable for welding and threading EN 10255	
Identification	Dimensions	Steel designation
	Steel tubes for use in installations for the distribution of aqueous liquids, gas and fuel	S195T
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification	Water and gas pipe	
Manufacturer	ÇINAR BORU PROFİL SAN. VE TİC. A.Ş. İstanbul Yolu Cad. Demir Çelik İş Hani Kat:2/203 EREĞLİ/ZONGULDAK – TURKEY	
System or systems of assessment and verification of constancy of performance of the construction product	System 3	
Name and ID number of the notified Body	-	
Declared performance		
Essential features	Performance	Harmonized technical specifications
Dimensional and shape tolerances	As per Table 2	EN 10255 +A1 : 2010
Elongation	As per Table 1	EN 10255 +A1 : 2010
Yield and tensile resistance strength		
Weldability		
Durability	Uncoated (not relevant)	

Table 1- Mechanical Properties			
Essential features	Performance		
Elongation	Steel grades	Minimal elongation (A)	
		S195T 20 %	
Yield and tensile strength	Steel grades	Minimal yield strength R_{eH} (MPa)	Tensile strength R_m (MPa)
	S195T	195 Mpa	320-520 Mpa



Table 2- Dimensional and shape tolerances

Specified outside diameter ^a	Thread Size ^a	Outside diameter		H			M				
				Heavy series		Medium series					
		D	R	max.	min.	Wall thickness	Mass per unit length of bare tube		Wall thickness	Mass per unit length of bare tube	
						T	Plain end	Socketed		T	Plain end
(mm)		(mm)	(mm)	(mm)	(kg/m)	(kg/m)	(mm)	(kg/m)	(kg/m)		
10,2	1/8	10,6	9,8	2,6	0,487	0,490	2,0	0,404	0,407		
13,5	1/4	14,0	13,2	2,9	0,765	0,769	2,3	0,641	0,645		
17,2	3/8	17,5	16,7	2,9	1,02	1,03	2,3	0,839	0,845		
21,3	1/2	21,8	21,0	3,2	1,44	1,45	2,6	1,21	1,22		
26,9	3/4	27,3	26,5	3,2	1,87	1,88	2,6	1,56	1,57		
33,7	1	34,2	33,3	4,0	2,93	2,95	3,2	2,41	2,43		
42,4	1 1/4	42,9	42,0	4,0	3,79	3,82	3,2	3,10	3,13		
48,3	1 1/2	48,8	47,9	4,0	4,37	4,41	3,2	3,56	3,60		
60,3	2	60,8	59,7	4,5	6,19	6,26	3,6	5,03	5,10		
76,1	2 1/2	76,6	75,3	4,5	7,93	8,05	3,6	6,42	6,54		
88,9	3	89,5	88,0	5,0	10,3	10,5	4,0	8,36	8,53		
114,3	4	115,0	113,1	5,4	14,5	14,8	4,5	12,2	12,5		
139,7	5	140,8	138,5	5,4	17,9	18,4	5,0	16,6	17,1		
165,1	6	166,5	163,9	5,4	21,3	21,9	5,0	19,8	20,4		

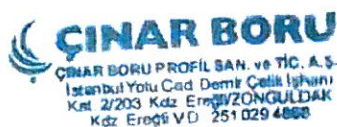
^a For relationship between specified outside diameter (D), thread size (R) and nominal diameter (DN), see Annex A.
T = specified wall thickness.

Signed for and on behalf of the manufacturer by:



MURAT DÖKMEÇİ

QUALITY MANAGER



ÇINAR BORU PROFİL SAN. VE TİC. A.Ş.

10.09.2013