

ΘΕΡΑΑΥ ΝΘΑΕΥΙ ΟΑ ΕΑΑΑΘΑΟΙ ΟΑ ΙΤ ΑΤ ΝΘ 8639-82 (cī ððàì áí ò),  
 ΑΤ ΝΘ 13663-86 (ðáðí è-áñèèá ððááí ààí èÿ)  
 Steel square pipes made to GOST 8639-82 (range),  
 GOST 13663-86 (technical requirements)  
 Ι áðèè ñàèè: 10, 20, 35, 45.  
 Steel grades: 10, 20, 35, 45.

Θðááυ ι ðèι áí γðòñÿ á ι áðèí ι ñòðí áí èè è ñòðí èοáèυñòáá.  
 The pipes are applied in the machine-building and building industry.

Νί ððàì áí ò òí èí áí ι ááòí ðì èðí áàí ι υò èáááðáðí υò ððóá ι ι ΑΤ ΝΘ 8639-82.  
 Assortment of cold-worked square pipes according to GOST 8639-82.

Γ áððáí υά ðáçí áðυ, ι ι External dimensions, mm	Οί ευεíá ñáí èè, ι ι / Wall thickness, mm											
	1,0	1,5	2,0	2,5	3,0	3,5	4,0	5,0	6,0	7,0	8,0	9,0
	Ι áññá 1 ι áððá, èá Weight of 1 meter, kg											
10x10	0,282											
15x15	0,439	0,636										
20x20	0,596	0,871	1,13									
25x25	0,96	1,10	1,44	1,76	2,07							
30x30			1,76	2,16	2,54	2,91	3,26					
35x35			2,07	2,55	3,01	3,46	3,89	4,71				
40x40					3,48	4,01	4,52	5,49	6,40			
42x42					3,67	4,23	4,77	5,81	6,78			
45x45					3,95	-	5,15	6,28	7,34			
50x50					4,42	5,11	5,77	7,06	8,28			
60x60						6,21	7,03	8,63	10,17			
70x70							8,29	10,20	12,05	13,84	15,57	

Νί ððàì áí ò áí ðÿ-áááòí ðì èðí áàí ι υò èáááðáðí υò ððóá ι ι ΑΤ ΝΘ 8639-82.  
 Assortment of hot-worked square pipes according to GOST 8639-82.

80x80			11,77	13,94	16,04	18,08	
100x100				17,70	20,44	23,11	25,71
110x110				19,59	22,64	25,62	28,54

Αí ðÿ-áááòí ðì èðí áàí ι υά ððóáυ ðáçí áðíι 110x110x10 ι ι èçáí òááèèáðòñÿ ι ι ñí áεáñí ááí èð.  
 Hot-worked pipes with dimension 110x110x10 mm are manufactured by agreement.

Ι áðáí è-áñèèá ñáí èñòáá  
 Mechanical properties

Ι áðèá ñàèè Steel grade	Ι ðáááè ι ðí-ííñèè ι ðè ðáñòÿáí èè, Ι ίá Tensile strength, MPa	Ι ðáááè òáèο-áñòè, Ι ίá Yield strength, MPa	Ι òííñεáèυííá òáèèí áí èá, % Elongation, pct
		íá ι áí áá / not less	
10	353	216	24
20	420	245	21
35	520	295	18
45	560	350	14

Οèι è-áñèèé ñí ñòáá  
 Chemical composition

Ι áðèá ñàèè Steel grade	Οèι è-áñèèé ñí ñòáá, %, ίá áí èáá Chemical composition, pct, not more					
	C	P	S	Cr	Si	Mn
10	0,07-0,14	0,035	0,040	0,150	0,17-0,37	0,35-0,65
20	0,17-0,24	0,035	0,040	0,250	0,17-0,37	0,35-0,65
35	0,32-0,40	0,035	0,040	0,250	0,17-0,37	0,50-0,80
45	0,42-0,50	0,035	0,040	0,250	0,17-0,37	0,50-0,80