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KS D 3626 : 2003

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: 1994 7 6
: 2003 12 22 03 - 1632
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(02 - 509 - 7305)
7 5



Coated steel pipes for water services

1. (1) ()

(1) (A), (C), (T),

(L)

1.

2.

KS D 3578

2. 2

3. 3 1

1

STWS 290
STWS 370
STWS 400

4. (2)

(2)

5.

5.1

a)

2

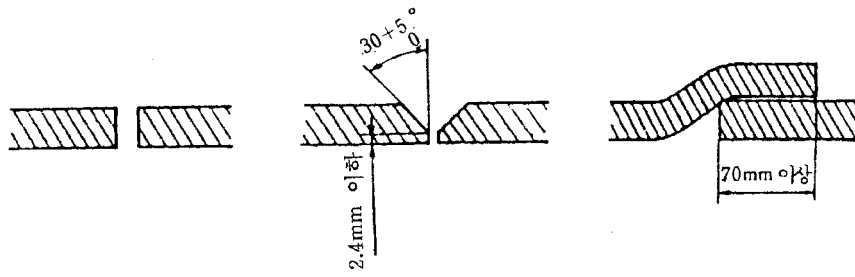
2

STWS 290	
STWS 370	
STWS 400	

b)

c)

1



1

5.2

5.7.1

3

3

	%		
	C	P	S
STWS 290	-	0.040	0.040
STWS 370	0.25	0.040	0.040
STWS 400	0.25	0.040	0.040

5.3

a)

5.7.2

4

4

	N/mm ²	N/mm ²	%	
			11	1A
			12	5
				가
STWS 290	294	-	30	25
STWS 370	373	216	30	25
STWS 400	402	226	-	18

8 mm

12

5

가 1 mm

4

1.5 %

KS A 3251 - 1

b)

5.7.3

c)

5.7.2

4

5.4

5.7.4

가

a)

가

1) STWS 290 KS D 0250 UE KS D 0251 EZ
가 .

2) STWS 370 STWS 400 KS D 0250 UD KS
D 0251 EY 가

3) STWS 400 KS D 0252 UY
가 KS B 0845 1 2 3

b) 5 가 가
10

5

: MPa

	STWS 290		STWS 370		STWS 400	
					A B	
	2.5		3.4		2.5 2.0	

5.5

a) 1

b) 6 000 mm
6000mm

c) 6

6

	80 A 200 A ± 1 %	
	200 A 600 A ± 0.8 %	
	600 A ± 0.5 %	
	+15 %	
	- 8 %	
	+ 0	
	1 600 mm +5.0 mm	
	1 600 mm +6.0 mm	

1. 350A 600A
가 ±0.5% (D) (l)

$l = \pi \times D$
 $\pi = 3.1416$

2. (IDB) (IB) (t)

$$IDB = (IB \div \pi) - 2t$$

5.6

가

5.7

5.7.1

a)

KS D 0001

b)

KS D 1650, KS D 1654, KS D 1659, KS D 1802, KS D 1803, KS D 1804

5.7.2

a)

1)

KS B 0801 11

12B , 12C 5

2)

KS B 0801 5 1A

가

3)

KS B 0833 1

b)

KS B 0802

5.7.3

a)

50mm

b)

2

가 $\frac{2}{3}$ 가

5.7.4

a)

KS D 0250, KS D 0251, KS D 0252 KS B 0845

b)

가

가

가

6.

가

KS D 8306, KS D 8307, KS D 8501, KS D 8502

7.

7.1

a)

KS D 0001

b)

5.2~5.6

6.

c)

1

d)

7 , 1 .

7

80A	125A	(³)	1000	1
150A	300A		500	1
350A			300	1

(³) , .

e)

8 9 .

8 ()

1 200m	1 . , 50	2	가
1	2 .	1 . , 50	2 .

9 ()

1 200m	1	1 200m	1
	1		1

7.2 K S D 0001 5.4() .

8. 1 . ,

a)

b) (⁴)

c) (⁴)

d)

e)

f)

(⁴) .

() () , x
A, L, 400A×6.0

9. 가 , , ,

1 ,

A	mm	STWS 290		STWS 370		STWS 400			
						A		B	
		mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m
		80	89.1	4.2	8.79	4.5	9.39	-	-
100	114.3	4.5	12.2	4.9	13.2	-	-	-	-
125	139.8	4.5	15.0	5.1	16.9	-	-	-	-
150	165.2	5.0	19.8	5.5	21.7	-	-	-	-
200	216.3	5.8	30.1	6.4	33.1	-	-	-	-
250	267.4	6.6	42.4	6.4	41.2	-	-	-	-
300	318.5	6.9	53.0	6.4	49.3	-	-	-	-
350	355.6	-	-	-	-	6.0	51.7	-	-
400	406.4	-	-	-	-	6.0	59.2	-	-
450	457.2	-	-	-	-	6.0	66.8	-	-
500	508.0	-	-	-	-	6.0	74.3	-	-
600	609.6	-	-	-	-	6.0	89.3	-	-
700	711.2	-	-	-	-	7.0	122	6.0	104
800	812.8	-	-	-	-	8.0	159	7.0	139
900	914.4	-	-	-	-	8.0	179	7.0	157
1000	1016.0	-	-	-	-	9.0	223	8.0	199
1100	1117.6	-	-	-	-	10.0	273	8.0	219
1200	1219.2	-	-	-	-	11.0	328	9.0	269
1350	1371.6	-	-	-	-	12.0	402	10.0	336
1500	1524.0	-	-	-	-	14.0	521	11.0	410
1600	1625.6	-	-	-	-	15.0	596	12.0	477
1650	1676.4	-	-	-	-	15.0	615	12.0	493
1800	1828.8	-	-	-	-	16.0	715	13.0	582
1900	1930.4	-	-	-	-	17.0	802	14.0	662
2000	2032.0	-	-	-	-	18.0	894	15.0	746
2100	2133.6	-	-	-	-	19.0	991	16.0	836
2200	2235.2	-	-	-	-	20.0	1090	17.0	876
2300	2336.8	-	-	-	-	21.0	1200	18.0	973
2400	2438.4	-	-	-	-	22.0	1310	18.0	1070
2500	2540.0	-	-	-	-	23.0	1430	19.0	1120
2600	2641.6	-	-	-	-	24.0	1550	20.0	1230
2700	2743.2	-	-	-	-	25.0	1680	21.0	1340
2800	2844.8	-	-	-	-	26.0	1810	21.0	1460
2900	2946.9	-	-	-	-	27.0	1940	21.0	1520
3000	3048.0	-	-	-	-	29.0	2160	22.0	1640

1.

A

2.

1 cm³

7.85 g

KS A 3251 - 1

3

, 1000kg/m

kg

$$W = 0.02466t(D - t)$$

W : (kg/m)
 t : (mm)
 D : (mm)

3.

KS A 3251 - 1	- 1 :
KS B 0801	
KS B 0802	
KS B 0833	-
KS B 0845	
KS D 0001	
KS D 0250	
KS D 0251	
KS D 0252	
KS D 1650	
KS D 1654	X
KS D 1659	
KS D 1802	
KS D 1803	
KS D 1804	
KS D 3578	
KS D 8306	
KS D 8307	
KS D 8501	
KS D 8502	

2003 8 1

135 - 513 701 - 7
(02)6009 - 4567
(02)6009 - 4887 8
[http : //standard.ksa.or.kr](http://standard.ksa.or.kr)

•

607 - 822 1 - 11(10)
(051)557 - 1239

•

702 - 012 2 1741(가 3)
(053)384 - 1562 4

402 - 714 989 - 1(11)
(032)420 - 0120 3

442 - 270 111 - 8(9)
(031)259 - 7000 9

200 - 041 1가 9(4)
(033)252 - 9423, 254 - 9423

361 - 802 가 1508 - 1(6)
(043)236 - 2451 3

•

305 - 343 23 - 14(5)
(042)864 - 2301 3

561 - 200 1가 337 - 2(7)
(063)214 - 2235 7

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506 - 301 621 - 15(5)
(062)953 - 1435 7

641 - 740 7 - 4(501)
(055)266 - 4744 6

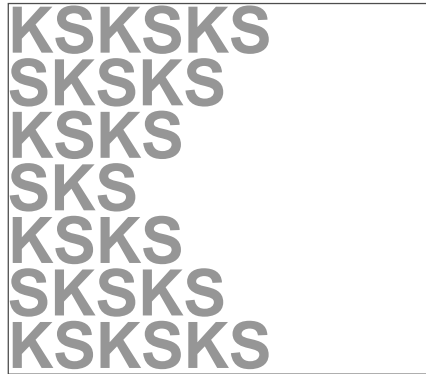
683 - 804 758 - 2(2)
(052)289 - 6601 3

425 - 852 773 - 9(4)
(031)492 - 5780, 8451 2

730 - 350 92 - 30(8)
(054)473 - 6954

480 - 848 2 487 - 6(3)
(031)829 - 8182 4

Ⓜ KS D 3626 : 2003



Coated steel pipes for water services

ICS 77.140.70

KOREAN STANDARDS ASSOCIATION