

[Redacted]

특별한 한해를 보내며



가 . 가 2002

1 가 .

가 가 1

가 . KS

가
가

가

KS

가

가



- (5)
 - KRISS NMIJ , ,

- 가 2002. 12. 2
 - cw-OPO
 - Optical Pumped Cs Frequency Standard
 - Time and Frequency Comparison
 - Iodine Stabilized Nd: YAG laser
 - C2H2 Stabilized Laser Diode
 - Femtosecond Comb Hydrogen Maser
 - Traceability of Frequency
 - Cryogenic Sapphire Oscillator)

- (4)
 -
 - 2 Optical
 - Frequency Synthesis with Femtosecond
 - Comb 2
 - (MoU)
 - 2003
 - 가 OIML

- (10)
 - CIPM- key for mass(CCM.M-K5, KRISS : 2002.8, NMIJ : Pilot lab) 3
 - Bilateral comparison of Torque 7
 - (NMIJ) KATS가
 - 가 NMIJ

- 가 (3)
 - Peer Review 가
 - 가
 - 3
 - Iodine Stabilized Nd : YAG laser ,
 - C2H2 Stabilized Laser Diode
 - Femtosecond Comb
 - cw-OPO

- 2002. 12. 10 3
 - ,



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※

Reverse Engineering

□

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(02-509-7270)

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KS

(ISO)

— 2003

□

(ISO TC29/SC8) 가

(GR)

○

, , 가

□

: 5

○ MEMS

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○

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○

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□

○ Technology, standard and future of
3-Dimension Machine

GR 가 가

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(),

Dr. Imkamp



□ , , □ : (.
「 . . .)

」

가 , 11 □ : 8

(134 , 173) ○

가 . -

※ (GR, Good ○ (ISO TC 110)

Recycled Products) -

33 ○ UNIT LOAD

26 - ()

, ○

. . 가 - ()

○

- ()

○

2002

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○

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○

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※ : (02-509-7285)

3

2002

□ 2002. 12. 6() 07:30~09:00

□ : 2002. 12. 20() 14:00 17:00

21 () 3

□ :



- : 2002. 11. 28 2002. 11. 29 (2)
- : , , , 가
- :
- : ,
- 가 MRA
- ※ : (02-509-7229)

- 24 IRG()
- (33) : ,
- (10), (5), (17)
- (4) : ,
- 2002 11 20
- (5) : , 2004 24 IRG
- (18) : , ()
- (14) : , IRG Scope : 가 가
-
- (JTC1/SC2)
- IRG(Ideographic Rapporteur Group)
- 2002

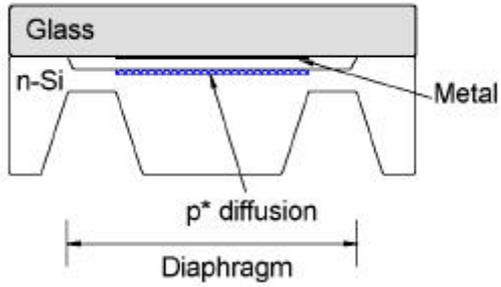
- : (,), , , , 가 , , , 8
- Unicode

MEMS

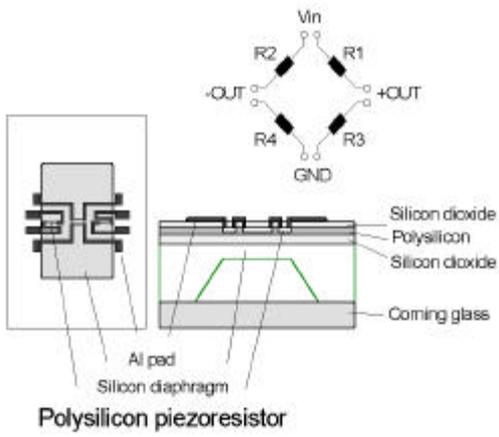
1. MEMS (MEMS, MicroElectroMechanical System) 가 , MEMS (MEMS, MicroElectroMechanical System) 가 , MEMS 가 , MEMS 가 , pH 가 . 1960 가 , MEMS , 1980 MEMS , MEMS , 1990 MEMS . MEMS .

MEMS , Bio- MEMS, MEMS 2. MEMS

MEMS Bio- MEMS 2. 1 MEMS 가 2 mm^2 가 ,



1.



2. MEMS

300

가

가

가

가

2

가 가

4

1

, 가

MEMS

Nova

Sensor, Honeywell, Motorola, GM, Philips

MEMS

가 가

1

2

가

가

2.2

가

3

Bosch

Mass Flow Controller

가

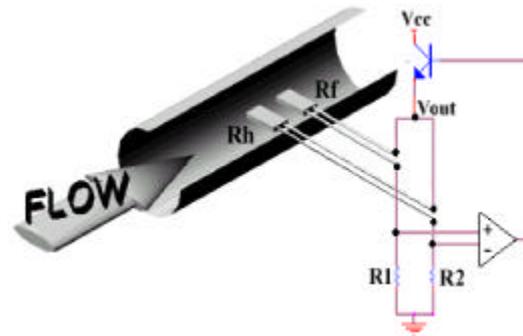
가

MEMS

MEMS

가

, MEMS



3.

MEMS

가

가

LDV, Coriolis,

가

, 가

가가

가

가

. MEMS

Au, Cu, Mn,
Ni, Pt
Constantan, Advance, Karma, Platinum 1200
Nicrome V,

가가

가

가

BiO₂-RuO₂

. 0.001 Mℓ/hr

가가

0.5 %

factor)가

가 5

(gage

N

가

10 20

2.3

MEMS

가

MEMS

가

가

telemetry

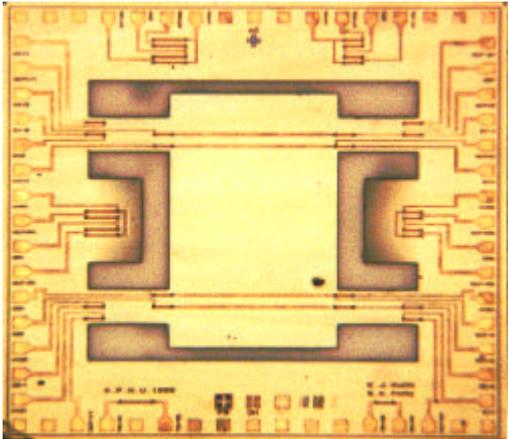
가

MEMS

Tojo

, Yamamoto가

가 Arai MEMS Arshak
 Mantell Polla 2.4 가
 가 Gossard 1970
 GaAs/AlGaAs FET Amons AlN fusion 가가
 MEMS 4 가 가
 가 Ayerdi TaN gage factor가 3.5 TCR 130ppm/ Schellin submicron Gridin Kayer



4. 가



2.5

Analog Device ADXL SiC 가
 50 ADXL 05 Kavlico SA20
 , traction ()
 Endevco, PCB, Lucas Nova, IC Sensors, 2
 Siemens, Honey Well, 가 IC ,
 , , , , 가 .

P-MOS ,
 , 3 (x, y z) ,
 CMOS Al2O3
 MgCr2O4, ZnO
 가
 2 ,
 (mass) ,

3. MEMS

가, 4
 P-MOS 12 가
 , MEMS
 가 .
 가 ± 2 G, ± 0.5 %FS , -40
 125 가 , MEMS
 DC 2 kHz , 가 ,
 가 .
 , 가 ,
 ,

MEMS

, 가 , 가

MEMS

가

, KIST

가

MEMS

가가

Si-glass

Si-Si

, MEMS

가

가

가

30 %,

40 %

가

IBM Mamin

150

gage factor

가

가 , 5 %RH 95
%RH
, Cr2O3, Fr2O3, SnO2, ZnO, Al2O3, TiO2

가 Cr, Zn, Fe, Mg, Li, Al, Sn, V,
Ti ,
가가 .

4.

MEMS
MEMS 가
가
. , MEMS
가
가 , 가 ,

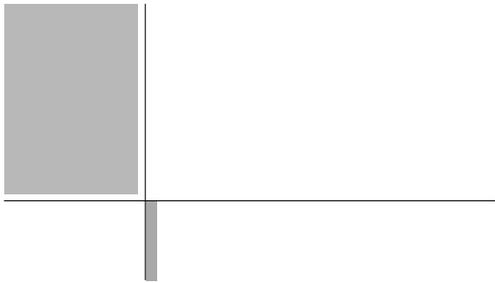
가 ,
가 .

[1] Sung-June Park and Sekwang Park,
"Pressure sensor using shear
piezoresistance of polysilicon films",
Sensors and Materials, Vol.10, No.3,
pp.129- 138 (1998)

[2] Kijin Kwon and Sekwang Park, "A
bulk-micromachined three-axis
accelerometer using silicon direct
bonding technology and polysilicon layer",
Sensors and Actuators, A, 66, pp.250- 255
(1998)

[3] , , , , "
", MEMS , pp.249- 254
(1999)

[4] , , , "P(VDF/TrFE)
", 2000
, Vol.11, No. 1,
pp.21- 25 (2000)



○

가가 , 가

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1.

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○

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가 (

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○

가

가 .

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(

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(Leaking

UPGRADE

가

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○

○

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가

가

가

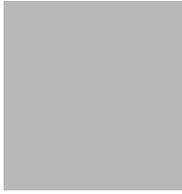
2.

가 ,

가

가

(1)



1990 1995

(3)

가

가

가

가 가

ISO 9000

()

, ISO 14000()

(JIS, ASTM)

가

2

가

가

(2)

OUTSOURCING

MILLIPORE

가

3.

「 3 」

가

(1)

가

가 「 」)

가 ,

(,

),

가

가

) , 가 가 , ,

(2) 가 . () 가 “ , 가 가

(3) 가 가 4. 가

	(Polymeric Membrane)	(MF)	()
		(UF)	,
		NF	()
		(RO)	
	(Textile filter)		(,)
		Nonwoven filter	
			,
		Fabric filter	

5.

5-1.

가 3 가
JIS IUPAC .

3 가

가			
(JIS)	JIS K3802	Technical Terms for Membranes and Membrane Processes (膜用語)	1995
(ASTM)	ASTM D6161	Standard Terminology Used for Crossflow Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis Membrane Processes	1997
(AFNOR)	NF X42-005	Biotechnologies Vocabulary. Filtration, Microfiltration Ultrafiltration, Reverse osmosis	1988
IUPAC		Terminology for membranes and membrane processes	1996

4 IUPAC

4. IUPAC

1 45	General Terms	
46 60	Carrier Mediated (Facilitated) Separations	()
61 75	Dialysis, Nanofiltration, Ultrafiltration and Microfiltration Separations	, , ,
76 83	Electrically Mediated Separations	
84 88	Gas, Vapor and Pervaporation Separations	가 , ,
88 92	Reverse Osmosis Separations	

5-2.

5. JIS

JIS K3804	精密濾過膜		1990
JIS K3831	精密濾過膜	、 初期用流量試験方法	1990
JIS K3831	精密濾過膜 精密濾過膜 精密濾過膜	、 減壓濾過試験方法 、 加圧濾過試験方法 、 大流量濾過試験方法	1990
JIS K3832	精密濾過膜	、 試験方法	1990
JIS K3833	精密濾過膜	、 擴散流量試験方法	1990
JIS K3833附屬書	一次側 壓力降下 測定	擴散流量 求 方法	1990
JIS K3834	精密濾過膜	、 比抵抗回復特性試験方法	1990
JIS K3834附屬書	二個 比抵抗計	操作	1990
JIS K3835	精密濾過膜	、 細菌 試験方法	1990
JIS K3835附屬書	1. 試験菌 同定方法 2. 保存用 試験菌液 調劑方法 3. 生菌數 測定方法		1990

6

NF X 42-203	Biological data sheet for selecting Filtration, Microfiltration or Ultrafiltration materials.	AFNOR	1989.05
NF X 42-204	Biological equipment used for Filtration Microfiltration or Ultrafiltration classification.	AFNOR	1989.06
XP X 45-102	Liquid Filtration. Porous membrous membranes. Retention rate of Microfiltration Membranes.	AFNOR	1996.12
D 6161	Standard Terminology Used for Crossflow Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis Membrane Processes	ASTM	1997

7 JIS

JIS K3821	Testing Methods for Pure Water Permeability Flow of Ultrafiltration Modules		1990
JIS K3822	Testing Methods for Specific Resistivity Recovery Characteristic of Water Filtered by Ultrafiltration Modules		1990
JIS K3823	Testing Methods for Determining Bacterial Rejection of Ultrafiltration Modules		1990
JIS K3824	Testing Methods for Endotoxin Rejection of Ultrafiltration Modules		1990
JIS K3834	Testing Methods for Specific Resistivity Recovery Characteristic of Water Filtered by Membranes		1990

NF X 45- 103	Liquid Filtration. Porous Membranes. Retention Rate of Ultrafiltration and Nanofiltration Membranes.	1997
ASTM D5090	Standard Practice for Standardizing Ultrafiltration Permeate Flow Performance Data E1- 1995 R(1995)	1990
ASTM D6 161	Standard Terminology Used for Crossflow Microfiltration, Ultrafiltration, Nanofiltration and Reverse Osmosis Membrane Processes	1997
ASTM E1343	Standard Test Method for Molecular Weight Cutoff Evaluation of Flat Sheet Ultrafiltration Membranes E1- 1997 R(1997)	1990

가

1980

가

1990

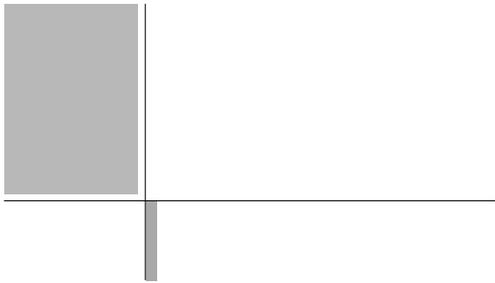
가

가 가

가

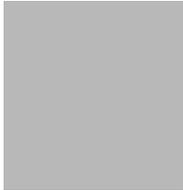
가

가



02) 579- 3421 jhhan@esak.or.kr

가
 ,
 120
 98%
 가 가 ,
 가
 가
 229 17.3%, 14.8%, 11.5% TV 12.3%
 , 가
 50V
 1,000V 15%
 가 가
 (利 가 가
 國便民) 가 ,
 가 , 가
 가



가

가

가

가

가 120

5

가

가

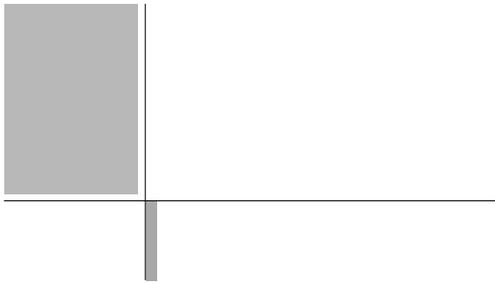
가

3~5

3가

9

가



가

02) 509-7410 rhjeong@ats.go.kr

가 「 가 「 가
 」 ...
 , 80
 “ 가
 , 가
 가
 '90
 , WTO/TBT 가
 .
 . (,)
 가 가
 , 5
 , ”
 가

亞·太 法定計量 (APLMF)

02) 509-7410 nakh@ats.go.kr

APLMF(Asia Pacific Legal Metrology Forum)

6 (1999 10)

I

9

22 ()

4

(, ,)

가

1994 11

2

가 가 .

1. APLMF

APLMF()

- 1994 OIML APEC
- 2002 (1994 가), , 가 20
- - .
 - 가
 - . (APMP, APLAC)
 - APEC ,
 - (WELMEC), OIML

가. 가

- , , , , 20 53

※ 2002 가

- (BIML)

3

- 6

- 2002. 11. 20() (Working Group)

- 2002. 11. 21()

- 2002. 11. 22() ()

2.

가. (Working Group)

○ (Training)(: Mrs. Marian Haire,)

○ (Mutual Recognition Arrangement) (: Dr. Charles Ehrlich,)

○ (Medical Measurements)(: Dr. Jay-San Chen,)

○ (Goods Packed by Measure)(: Mr. hon Barker,)

○ (Rice Moisture Meters)(: Issei Akamatsu,)

○ (Intercomparison

Calibration and Testing)(: Mr. Adrian Caster,)

○ (Utility Measurements)(: Mr. Gilles Vinet,)

3. APLMF 가

가. 가

○ . 가

- .

• 1998

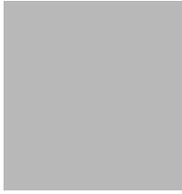
•

※

- (WGs)

○ APLMF 가

- 2002. 4 1 ,



1 2 ○
가 .
- 2003 APLMF (Fuel Dispenser) -
가 가 . -
○ 가 , , , - ,
, , , -
-

4.

.
○ (2003) APLMF CIML 가
,
-
○ 가 CNG (Compressed Natural Gas)
가
가 .

- OIML Recommendation R 16-2 : Non-invasive automated sphygmomanometers
- Country Report : , , , 가 , 19
- C-mark : Package Commodity Producers in P.R.China

PL

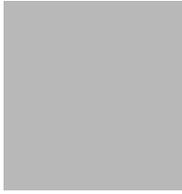
02) 579-3291 ksra@esak.or.kr

1. EC

EC , , EC
1968
15
1985 7 25
EC . EC 19
1988 7 30
“
EC가 ,
1985 7 25 ”(Council
Directive of 25 July 1985 on the Approximation
of Law, Regulation and Administrative Provision
of the Member States Concerning Liability for
Defective Products) .

2. EC

- 1) (1).
- 2) . 1 . ,
가 (2).
- 3) , , (3).
- 4) , , (4).
- 5) , ,



6) (6).
 가 (7).
 , 가
 , 가
 , 가
),

EC
 1) (2).
 2) (1 2). 가
 EC .
 3) EC (2).
 4)

7) 500 ECU
 7000 ECU
 (9 16). EC 가 (EU가)
 EC 가

(3).
 5) , ,
 (45 1).
 6) EC
 EC

3. PL

1987 5 15 '1987
 (Consumer Protection Act 1987)
 Ency-
 clopedia of Consumer Law(Sweet & Maxwell :
 W. Green & Son, 1987) . 1
 , 1988 3 1

. 4 1 ' 가

4.

1)

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1980

가

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가

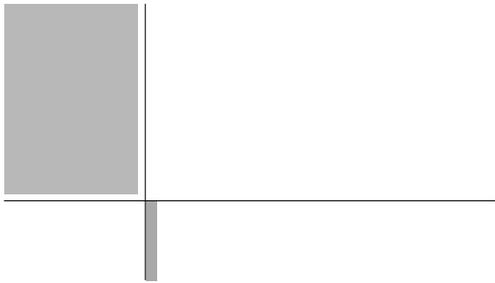
가

가

가

2)

가



가

5.

가 (性狀) 1)

가가 , 가 , 가
가 .
가

가

3) EC

EC

가 , 가 ,

EC

EC

가

EC

(2

EC

EU 가

EC

. PL 1995 7

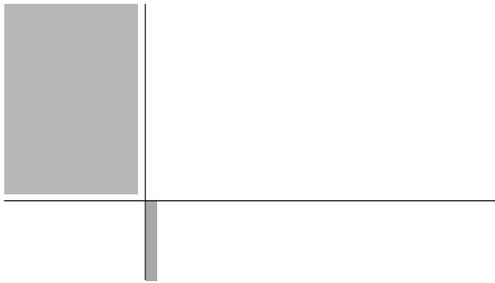
가

1

EC

가

1



가

가

가

가

EC

()

가

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EC

가

가

가

4)

가

가

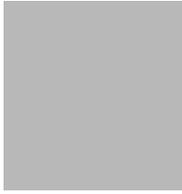
,EC

가

EC

가

EC



5)

가

가

가

EC

6)

가

3 ,

가

10

가

가

가

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7)

가

가

가

가

가

가

(1)

가

(2)

(3)

(4)

(5)



가 55) 1 ,
가 , 가 ,
가 .
○





Focus

(90)	6-2.	30
	6-3.	30
7. (80)	7-1. : CSI, SQL, MS	30
	7-2. : , ,	30
	7-3. : ,	20
7	23	700



24			150-25	
25	BBQ		150-25	
26			171 87	
27			169-2	
28			45-21	
29			838	



Focus

51			319-2	
52	()		243-5	
53			9-152	
54	IG		383-9	
55	IG		207-3	
56			889-47	



기술프론가족

“ ”



가

가 ,

Ho Chi Min()

,
Ho Chi Min .

가

(:) .

“ ” . <

, ‘ ’ >

4

가

(, , ,)

가

“ ”

“ “

.... ,

()

(

가

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가 가

” “

,가



기술포존가족

가 ,

" (Ao Dai)"
 () .

.....

4

가

가

가 3\$ 4\$
 15\$.

가

가

가 . 1\$

가 15,000 가 31,000 3\$

가 . 가 2\$

가

가 " "

가 30

가 ,

(Cyclo
) 가 .

가



기술포종가족

가 . , 가
 가 가 “ ”
 가 ! 가
 , ! !
 가 가 ! “ ”
 가 30
 “ ”
 가 ,
 가 “ ”
 ! 가
 가 , “ ”



기술프론트가족

(Gillette)

가

가

가

가

(US dollar)

(Euro)

가

(all-weather)

(early warning scheme)

가

가

가

가



기술포존가족

가 (niche)

6

가

(double dip) 가

IMF



기술프론트가족

Bosch Korea

(鹽法) (停
 가가 戶) 가 가
 가 (專賣) 가
 (海) . . . (池) . . . (井) . . . (土) . . . (私) (重
 (岩) , 罪) (五代時)
 가 , (行鹽地界)
 (食鹽法) 1
 가 (租
 (漢武帝) (元狩)4 稅)
 B. C. 119 가 가 (家屋稅)
 (屋稅鹽法)
 (豪族) (鹽利獨占) (蠶鹽法)
 (絹絲) 가
 (後漢) (唐初) (兩稅鹽法) (北邊)



기술포존가족

가 (兩稅)

(宋) (官買法) (鹽商) (屯田)
(五代) (通商法) (明) (糧)
(草) (銀) (大)

(折中法) (內) (山)
(軍糧) (西) (新安)

(鈔 : ,) (清代)
(官鹽) 가
(鈔) 가 (清) (道光) 가
(官府), (窩本) 가 가
1915 (大供款)

(現錢) (鹽稅)가
(鹽引) 가 (製鹽特許
(licence) 條令)

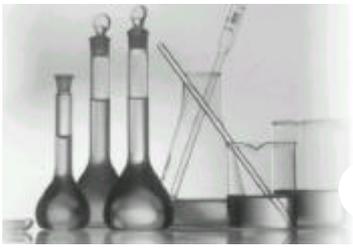
1931 (新鹽法) 가
가 (元) (NaCl)

(明) (宋) (開中法)
(糧秣 :)
(山鹽區)



기술프론티어

가 (專賣制度)가 . B. C. 600 (逆進的)가
 가 , 가 (俸給) 가 1961 가
 (salary) .
 (salarium ; money for salt) . 《 (鹽鐵論)》 (前漢) (桓
 寬)
 (武帝)
 (結晶物) , (均輸) (平準) .
 (5:13) “ (the salt of the (昭帝) (善後策) B. C. 81
 earth)” (淨化) (始年 6) (賢良文學士)
 , (風教) ,
 가 (桑弘羊)
 가 (宣帝)
 . “ ”(covenant of salt, Num. 18:19)
 , “
 ”(pillar of salt, Gen. 19:26) 가
 , “Adventure is the salt of life to many.” , (史料)
 가
 가
 ‘drop or put a pinch of salt on a
 bird's tail’
 가 (鹽稅) .



Research on the Standardization of Evaluation Method for Numerical Controller

02) 509- 7423 LBH@ats.go.kr

1.

, 가

1.1

가

가

()

1.2

KS B 4404, JIS B 6336,

ISO-230, ISO-10791

가

가

가

가



(Spline)
NURBS
(kinematic ball-bar)

2.

2.1

가

1

(laser ball bar, grid encoder, laser interferometer, etc)

(mounting base)
230 mm

(waffle)

가

(grid encoder) ,

가

PC

2

(Grid Encoder)

230mm

가

가

4mm

()

2

1.3

PC

(Heidenhain

.1

KGM 182)

LED

	KS	JIS	ISO
	B 4404 B 4408	B 6336 B 6338	230-2 1079 1-4
	B 4404	B 6336	1079 1 part 6
	B 4404	B 6336	230 part4

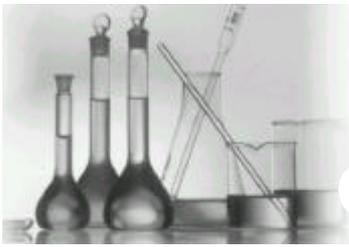
(interferometer)

(mounting base)

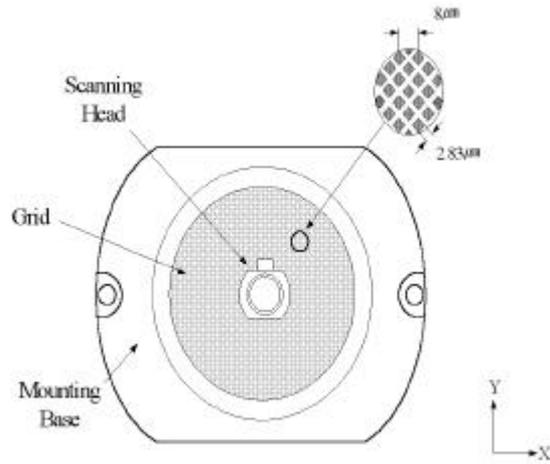
(scanning head)가

LED

2



가 ,
 가 .
 2 90.
 4 μ m 가
 2048
 2nm



2. (Grid Encoder Spec.)

Measuring type	Two-coordinate TITANID reflection-type diffraction grid on glass
Signal period	4 μ m
Measuring range	230 mm
Accuracy grade	$\pm 2\mu$ m
Output signals	1Vpp
Resolution	4 μ m / 2048 \approx 2nm

2.2

3 ()
 MCH-10
 4 () FANUC 15M NC
 3,4 .



1.

2.3

5 (flow chart)
 G-
 NC
 (dry-run)



3. MCH- 10



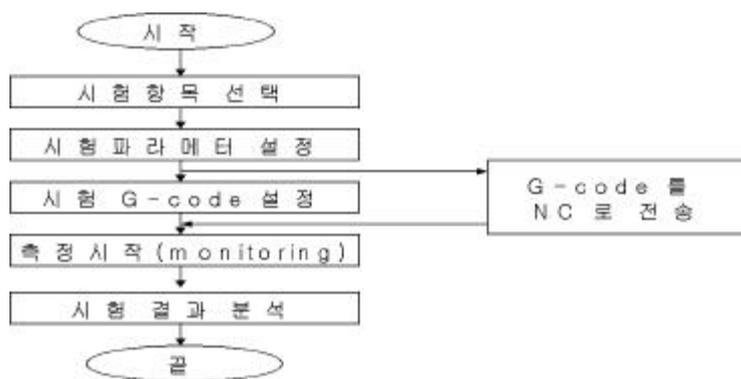
4. FANUC 15M

3. MCH-10

Machining Center type	Horizontal type
MC model name	MCH- 10
Axis stroke (XYZ)	540x460x720 mm
Max. spindle RPM	3000 rpm
No. of tools	40 ea
Axis taper	NT 40
Etc	ATC,APC

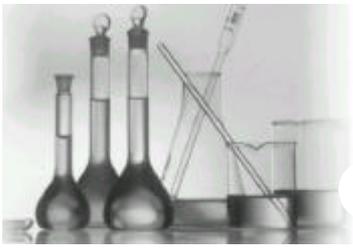
4. FANUC 15M

NC model name	FANUC- 15M
Min. Displacement unit	1μm,0. 1μm,0.0 1μm, 1n m
Max. Control axis	24 axis
Max. Rotation of axis	24 axis
Max. Spindle axis	4 axis
PMC C-language programming	0.085μs/step Max. 32,000 step
Max. programmable area	2MB
IO point	1024/ 1024



5.

(test flow- chart)



3.

3.1

가

(test cycle)

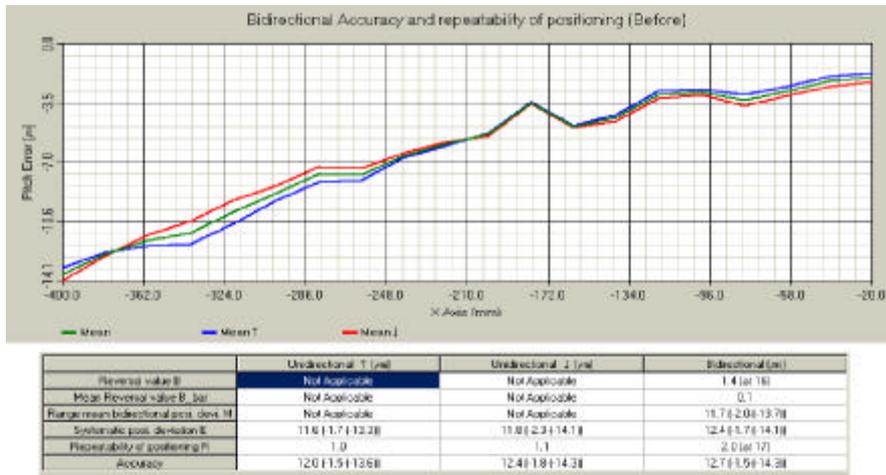
(standard test cycle)

(step test cycle)

가

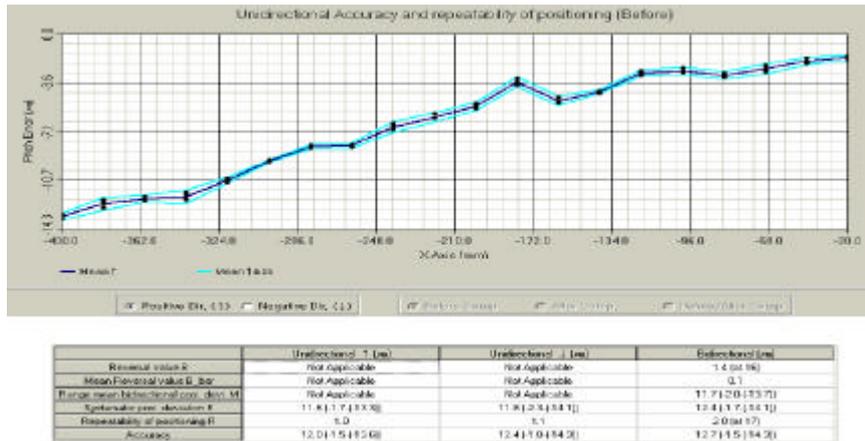
. ISO

6, 7



6.

()



7.

()



3.2

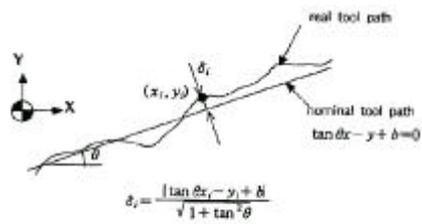
가 2

가 . FW

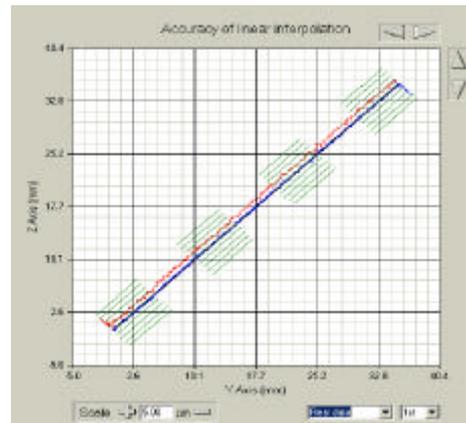
deviation (forward) , BW deviation
10 . 3

(reversal) .
17.362 μm 3.016 μm

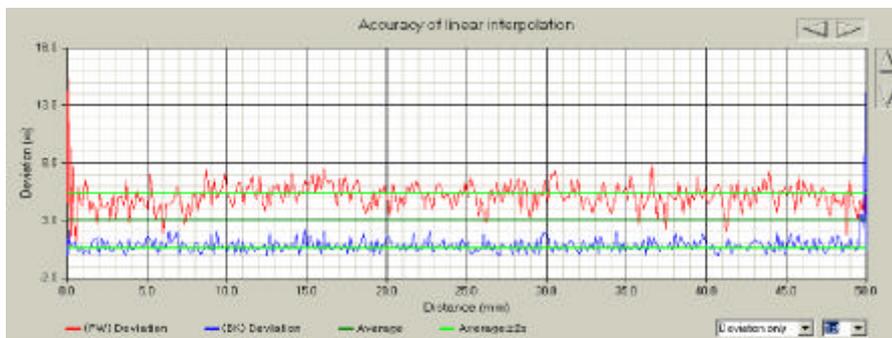
: 500 mm/min
: 45 °
: Coutour error



8.

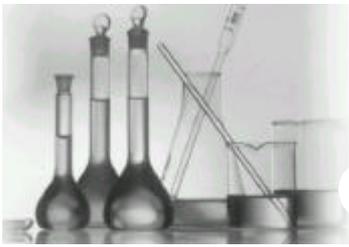


9.



No.	Dir.	Max. (μm)	Min. (μm)	Avg. (μm)	Total Avg. (μm)	Std. (μm)	Total Std. (μm)
Total	FW BK	17.362 at (FW)S	0.001 at (BK)I	5.118 0.915	3.016	1.321 0.324	2.391
1	FW BK	15.397 14.121	0.531 0.081	5.111 0.901	3.006	1.353 0.553	2.412
2	FW BK	14.602 12.139	0.249 0.016	5.108 0.957	3.038	1.315 0.699	2.356
3	FW BK	17.362 11.920	1.162 0.095	5.125 0.906	3.030	1.297 0.941	2.382

10. ()



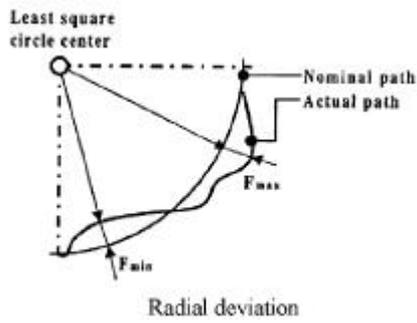
3.3

3.2.1 Radial Deviation

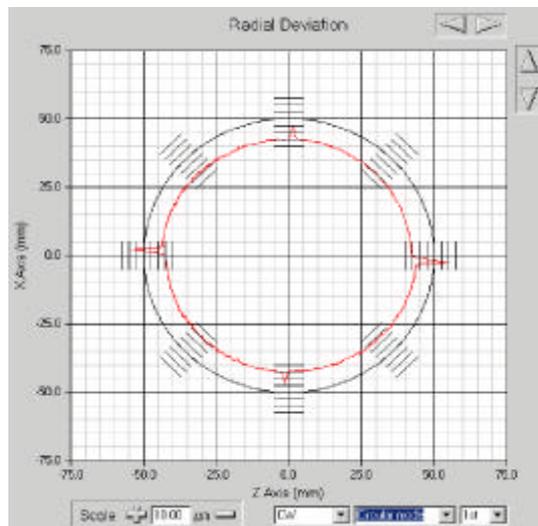
radial deviation (nominal path), set-up 가 (real path or tool path) 가 .

Table 5 Table 6 .

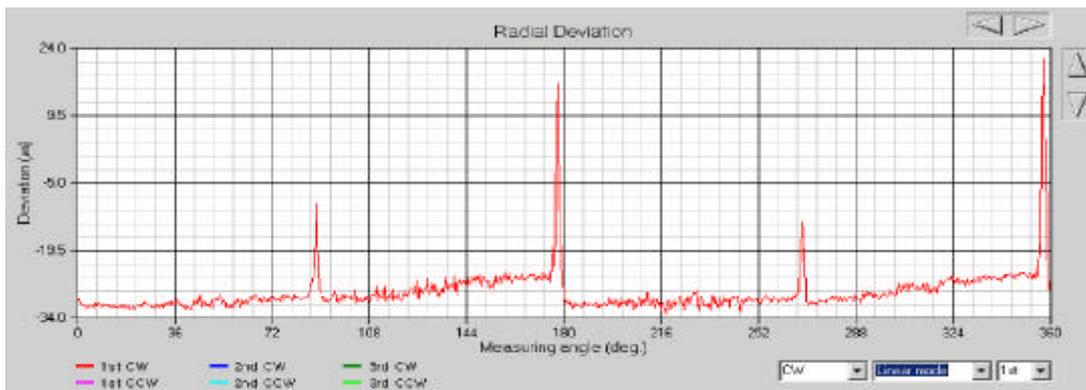
: 50mm
 : 500 mm/min
 : Contour error



11. Radial deviation



12. Radial deviation



13.

(Radial deviation)



3.2.2 Circular deviation

circular deviation

radial deviation

. circular deviation

set-up

. circular deviation

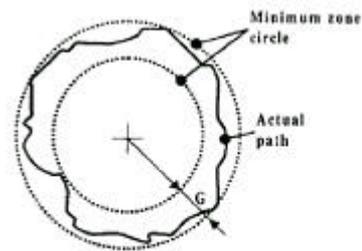
2

가

radial deviation

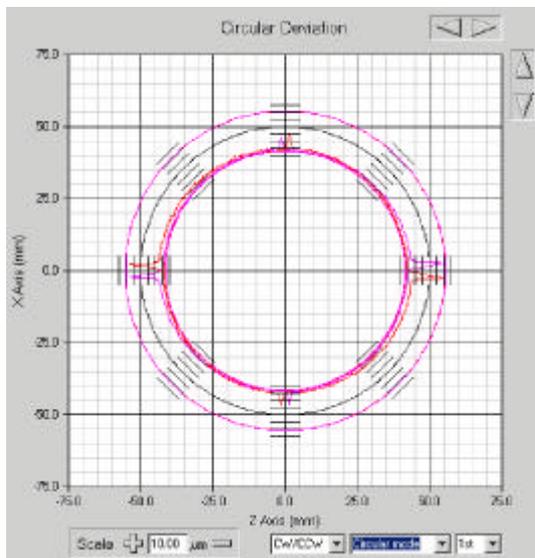
Table 5 Table 6

<p>: 50mm</p> <p>: 500 mm/min</p> <p>: Contour error</p>
--

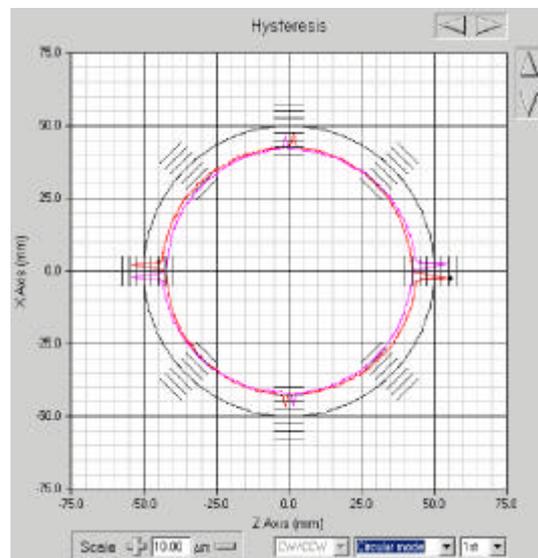


Circular Deviation의 정의

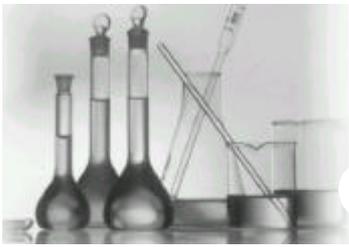
14. Circular deviation



15. Circular deviation



16. Hysteresis



5. (Circular deviation)

Mass No	Dir.	Radial Deviation (µm)			Circular Deviation (µm)	Flatness (µm)		
		Value	UP	DN		UP	DN	
1	CW	[-121.572, 122.542]	[-117.522, 120.226]	[-118.522, 121.227]	54.222	53.422	4.621	5.222
2	CCW	[-122.222, 123.222]	[-117.222, 120.222]	[-117.222, 120.222]	54.222	54.022	4.621	5.222
3	CCW	[-121.222, 122.222]	[-117.222, 120.222]	[-117.222, 120.222]	54.222	53.142	4.621	5.222

Accuracy List	Statistics	Limits (UP/DN)	Limits (UP/DN)	Grade	CW : +2 to +2 CCW : +2 to +2
Radial Deviation	Value UP DN	[-122.222, 122.222] at 2 [-117.222, 120.222] [-117.222, 120.222]	[-122.222, 122.222] at 2 [-117.222, 120.222] [-117.222, 120.222]	Not Applicable	
Circular Deviation	Value UP DN	54.222 at 2 54.222 5.422	54.222 at 2 54.222 5.422	Not Applicable	
Flatness	Value UP DN	Not Applicable	Not Applicable	54.222 at 2 5.422 5.422	

6.

Mass No	Dir.	Radial Deviation (µm)			Circular Deviation (µm)	Flatness (µm)		
		Value	UP	DN		UP	DN	
1	CW	[-121.222, 122.222]	[-117.222, 120.222]	[-117.222, 120.222]	54.222	53.422	4.621	5.222
2	CCW	[-122.222, 123.222]	[-117.222, 120.222]	[-117.222, 120.222]	54.222	54.022	4.621	5.222
3	CCW	[-121.222, 122.222]	[-117.222, 120.222]	[-117.222, 120.222]	54.222	53.142	4.621	5.222

Accuracy List	Statistics	Limits (UP/DN)	Limits (UP/DN)	Grade	CW : +2 to +2 CCW : +2 to +2
Radial Deviation	Value UP DN	[-122.222, 122.222] at 2 [-117.222, 120.222] [-117.222, 120.222]	[-122.222, 122.222] at 2 [-117.222, 120.222] [-117.222, 120.222]	Not Applicable	
Circular Deviation	Value UP DN	54.222 at 2 54.222 5.422	54.222 at 2 54.222 5.422	Not Applicable	
Flatness	Value UP DN	Not Applicable	Not Applicable	54.222 at 2 5.422 5.422	

4.

radial deviation -33.928 µm
 22.652 µm 가 CW
 -28.719 µm 10.783 µm 가
 가 가 , CCW -30.289 µm 11.651 µm
 가 , circular deviation
 56.579 µm 가 56.284 µm
 가 54.028 µm ,
 4.617 µm
 (standard test cycle)
 12.7 (µm)
 µm (nm)
 CNC

b)

17.362 µm 3.016 µm

c)

()



2002-1632

13 4

14 2 1

2002 12 4

3.8.1(2)

0.8m 1.4m 0.9m 2m²

		(×)
가 90°	가 (가)	1100 × 1400
가	가 (가)	800 × 1600
	(가)	800 × 1250

4.6.2(4)

가 _____

가

a.

가

(18 m/min)

가

4.6.3(1)

4.6.3(3)



가) 4 SELV
 , (- 가
 가).

4.6.3(7) 1 8.12 .

5° 가 4.6.18(2)
 ()

4.6.3(8) 4.7.13(1) .

2cm .

가 18m/min , 1 4.7.14(3) 가 0.15m/s
 2.0 0.3m/s .

4.6.3(11) .

4.6.17(1) 가 .

4.7.14(3) .

AC DC 가 5°
 250V < 5.4
 가 가

2 (.

< 1> 6.1.1

< 1> 6.2

4가

a)

(7.13.6)

가 18m/min

b) /

. 1

)

1

c)

(6.8 7.75)

< 1> 6.6

가

d)

-

가

(18m/min)

8.6

1

가

< 1> 7.62

KS B 1407

< 1> 6.13

가

10
(N)

가

가

< 1> 6.17

10° ,

5°

가



2 , 가 가
 IEC 947-1 Table XV IEC
 947-1 6.1.3.2 "Minimum pollution degree 2.
 Printed wiring material column not to be used"

< 1> 8.1.1 IEC 60364 < 1> 89.13
 , (< 1> 8.12.3
)

< 1> 8.12 KS B 4006(0.5 ,
) 2 5
 DC
 AC 250V < 1> 8.16.1
 IEC 742 가
 2 ()
 4
 .(SELV)
 가
 .)

8.12
 a)
 < 1> 8.4.2 ,
 b) ()

< 1> 9.15

1000mm

가

9.443

a)

XXkg 1

b)

600 1000mm

XXkg 1

가

)

6

30mm

6

< 1> 9.45.2

< 1> 9.4.2

900mm,

a)

1250mm

750mm, 900mm

가

가 ,

300mm

50mm

1/2

< 1> 9.4.4.1

b)

100mm

가

15mm

c)

80mm

a) 50 mm

1 : 4

d)

600

b) 75 mm

1 : 6

1000mm

< 1> 9.4.6.2

< 1> 9.4.5.1



,
 ,
 150mm
 ,
 ,

c) -
 (6.8 7.75)
 d) (8.6)
 - ,

8.74

) b) -

가

< 2 > 6.17

가

가 5°

가

< 2 > 6.2

가

가

0.3

m/s

< 2 > 6.1.1

가

4 가

a)

< 2 > 6.8

(7.14.6)

b) -

2 < 2 > 9.144 9.1.144

6.1 < 2 > 9.2.2.6

800mm 1100mm

< 2 > 7.1

< 2 > 10.1.14

) ISO 9085-1

500mm

(10.1.2)

9.1.14.2, 9.1.14.3 9.1.14.4

< 2 > 8.15.1

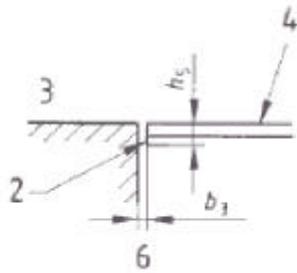
(8 10)

< 2 > 10.2.4.2.2

0.8 1.1m

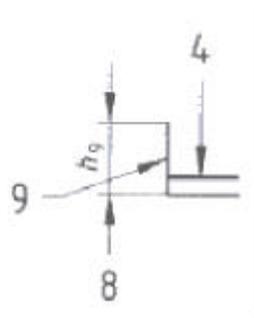
0.4m

< 2 > 10



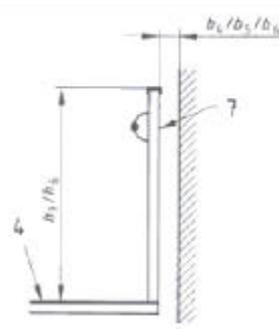
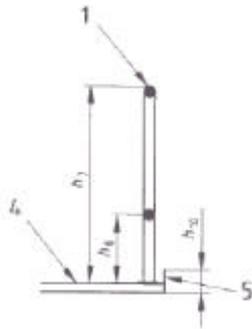
a)

가



b)

500mm
(10.2.3.1)



c) :
 2000mm, 500mm
 (10.2.3.4.2)

d) :
 2000mm (10.2.3.4.3) :

- 1) $b_4 < 80 \text{ mm}$
- 2) 가
- 3)
- 4) 8 $\leq 500 \text{ mm}$

10 : ()

			mm
	10.1.1.3.1	b3	≤ 20
	9.2.2.8 10.2.3	b4	≥ 80
,	10.1.1.3.1	b5	≥ 400
,	10.1.1.3.1	b6	≥ 120
가	9.2.2.7 10.2.3	h5	$\geq +25$
	9.2.2.6 10.2.3	h6	≥ 800 ≤ 1100
	10.2.3.3.1	h7	≥ 1100
	10.2.3.3.1	h8	≤ 300
	10.2.3.2	h9	100
	10.2.3.4.1	h10	≥ 75

< 2> 2 .

2.

	1000 mm	2000 mm
	8 (4+4+0.76)	10 (5+5+0.76)
	10 (5+5+0.76)	12 (6+6+0.76)

< 2> 3 .

3

			()	
	16 (8+8+0.76)	360 - 720	2100	2
	16 (8+8+0.76)	300 - 720	2100	3 / 1
	10 (6+4+0.76) (5+5+0.76)	300 - 870	2100	
)	3 4	가		

< 2> 4 .

4

	8 (4+4+0.76)	1000
	10 (5+5+0.76)	1000

1 () .
 2 () 2001 10 18 가
 3.8.1(2) < 2 > 9.2.1() . .
 1(.) 11 .(
) .
 2001 10 18 < 1 >
 9.4.4.1 75mm 14 .



[]



- ()
KSAIEC60605-3-6 2002. 11. 18 - 3 :
6 : 6: -

KSAIEC60605-3-5 2002. 11. 18 - 3 :
5 : 5: -
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KSAIEC60605-3-4 2002. 11. 18 - 3 :
4 : 4: -

KSAIEC60605-3-3 2002. 11. 18 - 3 :
-3 : 3: -

KSAIEC60605-3-2 2002. 11. 18 - 3 :
- -
가

KSAIEC60605-3-1 2002. 11. 18 - 3 :
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KSAIEC60605-2 2002. 11. 18 - 2 :

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KS D 8341-2 2002. 11. 21
가



- () -
KS D 8334 2002. 11. 20
가

KS D 0251 2002. 11. 20
가

KS D 9502 2002. 11. 20 (,)
가



- () -
KS D 9504 2002. 11. 21
• KS D 9502() 가



- () -
KS F 2610 2002.11.21
(
)
• ICS : 91.060.10

KS F 8020 2002.11.21
가
• ICS : 91.220

<p>KS F 8033 2002.11.21</p> <p>가</p> <p>• ICS : 91.220</p>	<p>KS F 2821 2002.11.21</p> <p>• ICS : 83.140</p>
<p>KS F 3507 2002.11.9</p> <p>• ICS : 91.100.10</p>	<p>KS L 2323 2002.11.18</p> <p>가</p> <p>가</p> <p>• ICS : 71.040.20</p>
<p>KS F 6312 2002.11.9</p> <p>4</p> <p>KS F 6313</p> <p>• ICS : 91.140.70</p>	<p>KS L 2414 2002.11.18</p> <p>ISO7459</p> <p>• ICS : 55.100</p>
<p>KS F 6313 2002.11.9</p> <p>(SI) 가</p> <p>• ICS : 97.040.00</p>	<p>KS F 2511 2002.11.18</p> <p>(0.08mm)</p> <p>• ICS : 91.100.00</p>
<p>KS F 2274 2002.11.21</p> <p>• ICS : 83.140</p>	<p>KS F 2513 2002.11.18</p> <p>• ICS : 91.100.00</p>
<p>KS F 2277 2002.11.21</p> <p>ISO 8990 • KS F 2277 KS F 2299</p> <p>KS F 2277 •</p> <p>• KS F 2299 • ICS : 91.120.10</p>	<p>KS F 2525 2002.11.18</p> <p>• ICS : 93.180.10</p>
<p>KS F 2607 2002.11.21</p> <p>100mm</p> <p>• ICS : 91.060.10</p>	<p>KS F 2526 2002.11.18</p> <p>• ICS : 91.100.30</p>
<p>KS F 2820 2002.11.21</p> <p>• ICS : 83.140</p>	<p>KS F 2527 2002.11.18</p> <p>• ICS : 91.100.30</p>
	<p>KS F 2528 2002.11.18</p> <p>• ICS : 93.020.</p>
	<p>KS F 2531 2002.11.18</p> <p>• ICS : 91.100.00</p>
	<p>KS F 2534 2002.11.18</p> <p>• ICS : 91.100.30</p>
	<p>KS F 2551 2002.11.19</p> <p>• ICS : 91.100.30</p>



KS F 2609 2002.11. 9
 KS F 3021 2002.11. 9
 KS F 3123 2002.11. 9
 KS F 4002 2002.11. 9
 KS F 4004 2002.11. 9
 KS L 2002 2002.11.18
 KS L 2003 2002.11.18
 KS L 2004 2002.11.18
 KS L 2005 2002.11.18
 KS L 2006 2002.11.18
 KS L 2008 2002.11.18
 KS L 2016 2002.11.18
 KS L 2313 2002.11.18
 KS L 2317 2002.11.18
 KS L 2327 2002.11.18
 KS L 2507 2002.11.18
 KS L 2509 2002.11.18
 KS L 2511 2002.11.18
 KS L 2514 2002.11.18

가

KS L 3301 2002.11.18
 KS L 3303 2002.11.18

가

KS L 3306 2002.11.18

KS L 3513 2002.11.18

KS L 3521 2002.11.18
 KS L 4201 2002.11.18
 KS L 4024 2002.11.18
 KS L 5105 2002.11.18

KS L 5113 2002.11.18

KS L 5204 2002.11.18
 KS L 5211 2002.11.18
 KS L 5218 2002.11.18

KS L 5401 2002.11.18

KS L 5405 2002.11.18
 KS L 9011 2002.11.18
 KS L 9012 2002.11.18



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KS F 2289 2002.11. 9

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KS F 4037 2002.11. 9

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KS F 4812 2002.11. 9

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KS F 6311 2002.11. 9

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KS F 2299 2002.11.21

• ISO 8990 KS F 2277

KS L 1563 2002.11.18

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KS L 2001 2002.11.18

• KS L 2012()

KS L 2510 2002.11.18

• KS L 2508()

KS M 1960 2002.11. 9	-	-가	KS M 1972 2002.11.9	-	
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KS M 1961 2002.11. 9	-	-	KS M 1990 2002.11.9	-	
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KS M 1962 2002.11. 9	-		KS M 1973 2002.11.9	-	
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KS M 1971 2002.11.9	-		KS M 1982 2002.11.9	sec-	, , -
.			, ,		
			.		
			KS M 1983 2002.11.9	-	
			.		

KS M 1984 2002.11.9	-			KSMISO3897 2002.11.21	-	-
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•				• ISO		
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•				• ISO		
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•				• ISO		
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•				• ISO		
KS M 1989 2002.11.9			-	KSMISO 8623 2002.11.21	-	-
•				• ISO		
KSMISO17531 2002.11.21	-		-4- (N- -N-2	KSMISO 7724-1 2002.11.21	-	- 1 :
• ISO	-2-	3/2		• ISO		
KSMISO14523 2002.11.21	-		가	KSMISO 7724-2 2002.11.21	-	- 2
• ISO				• ISO		
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• ISO				• ISO		
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• ISO				- 16 :		
KSMISO6051 2002.11.21	-		-	• ISO		
• ISO				KSMISO 3262-17 2002.11.21	-	
KSMISO5466 2002.11.21	-		-	- 17 :		
• ISO				• ISO		

KSMISO 3262-18 2002.11.21	-	-	- 1 :	
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• ISO				
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- 19 :			• ISO	
• ISO				
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- 20 :			• ISO	
• ISO				
KSMISO 3262-21 2002.11.21	-		KSMISO 11503 2002.11.21	- (
- 21 : ())	
• ISO			• ISO	
KSMISO 1517 2002.11.21	-	-	KSMISO 4628-6 2002.11.21	- 가-
(Ballotini)			,	- 6 :
• ISO			• ISO	
KSMISO 2811-2 2002.11.21	-	- 2	KSMISO 6441-1 2002.11.21	-
()			1 :	(Knoop)
• ISO			• ISO	
KSMISO 2811-3 2002.11.21	-	- 3	KSMISO 6441-2 2002.11.21	-
• ISO			2 :	(Knoop)
			• ISO	
KSMISO 2811-4 2002.11.21	-	- 4	KSMISO 6504-3 2002.11.21	- - 3
• ISO			()	
			• ISO	
KSMISO 7783-2 2002.11.21	-		KSMISO 7784-1 2002.11.21	- -
- 2 : - ()			:	
• ISO			• ISO	
KSMISO 2815 2002.11.21	-		• ISO	
• ISO				
KSMISO 2884-1 2002.11.21	-		KS M 2954 2002.11.25	
			• PCB	



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KS M 2012 2002.11.2
• ISO

KS M 2013 2002.11.2
• ISO

KS M 2021 2002.11.2
• ISO

KS M 2026 2002.11.2
• ISO

KS M 2069 2002.11.2
• ISO

KS M 2114 2002.11.2
• ISO

KS M 2119 2002.11.2
• ISO

KS M 2128 2002.11.2
• ISO

KS M 2130 2002.11.2
• ISO

KS M 2170 2002.11.2
• ISO

KS M 2197 2002.11.2 가
• ISO

KS M 2208 2002.11.2
• ISO

KS M 2218 2002.11.2
• ISO

KS M 2221 2002.11.2
• ISO

KS M 2225 2002.11.2
• ISO

KS M 2405 2002.11.2
• ISO

KSM5307 2002.11.21
• ISO

KSM5131 2002.11.25
• ISO

KSM2952 2002.11.25
• ISO

KSM2752 2002.11.25 가

KSM2742 2002.11.25
• ISO

KSM2736 2002.11.25
• ISO

KSM2731 2002.11.25
• ISO

KSM2714 2002.11.25
• ISO

KSM2708 2002.11.25
• ISO

KSM2704 2002.11.25 가

• ISO



KSM2701 2002.11.25

- () -

• ISO

KSMISO5194 2002.11.25 :

KSG2602 2002.11.25 ,

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• “ ” “ ”

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KSG2603 2002.11.25

KSMISO1784 2002.11.25 : -EDTA

• “ ” “ ”

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KSG2613 2002.11.25

• “ ” “ ”

KSG2614 2002.11.25

• “ ” “ ”



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KS K ISO 8160 2002. 11. 14 : -



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KS M 2022 2002.11.2

KS K ISO 10132 2002. 11. 14 - -

KS M 2029 2002.11.2

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KS M 2142 2002.11.2

KS K ISO 6741-2 2002. 11. 25 -

KS M 2223 2002.11.2

2 :

KS M 2250 2002.11.2 ()

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KS M 2252 2002.11.2

KS K ISO 1532 2002. 11. 14 - (

KS M 2254 2002.11.2

)

KS M 2255 2002.11.2

• ISO 1532 KS

KS M 2256 2002.11.2

•

KS M 2257 2002.11.2

KS K ISO 5080 2002. 11. 14

KS M 5250 2002.11.5

• ISO 5080 KS •

KS M 5251 2002.11.5

()

KS M 5230 2002.11.5

KS M 5705 2002.11.5

KS K ISO 11224 2002. 11. 14 - -

KS M 5721 2002.11.5 ()

KS M 5723 2002.11.5

• ISO 11224 KS •

KS M 5724 2002.11.5

KS M 5953 2002.11.5

KS M 5980 2002.11.5

KSM2720 2002.11.25

KS K ISO 3505 2002. 11. 14 -

KSM2721 2002.11.25 ()

• ISO 3505 KS •

3

KS K ISO 1806 2002. 11. 14 -

• ISO 1806 KS •

KS K 0731 2002. 11. 9

•

KS K ISO 2075 2002. 11. 14 -

• ISO 2075 KS •

KS K 0732 2002. 11. 9

•

KS K ISO 5089 2002. 11. 14 -

• ISO 5089 KS •

KS K 0733 2002. 11. 9 가 PCP

• 가 pentachlorophenol

KS K ISO 13746 2002. 11. 14 -

• ISO 13746 KS •

KS K 0734 2002. 11. 9

•

KS K ISO 3790 2002. 11. 30 -

• ISO 3790 KS •

KS K 0735 2002. 11. 9

•

KS K ISO 3090 2002. 11. 30 -

• ISO 3090 KS

•

KS K 0736 2002. 11. 9

•

KS K 0737 2002. 11. 9

•

KS K ISO 2307 2002. 11. 30

• ISO 2307 KS •

KS K 0738 2002. 11. 9 가

• PVC 가

KS K ISO 14184-2 2002. 11. 9

:

KS K ISO 2959 2002. 11. 30 -

•

•

KS K ISO 3572 2002. 11. 30 :

KS M ISO 3795 2002. 11. 30 ,

<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • EPDM 가 가 • , , 가
<p>KS M ISO 35 2002. 11. 30 , , -</p> <ul style="list-style-type: none"> • 	<p>KS M ISO 4650 2002. 11. 30 - -</p> <ul style="list-style-type: none"> • 	
<p>KS M ISO 251 2002. 11. 30 -</p> <ul style="list-style-type: none"> • , 	<p>KS M ISO 4661-1 2002. 11. 30 가 가 -</p> <p>- 1 :</p> <ul style="list-style-type: none"> • 가 가 	
<p>KS M ISO 282 2002. 11. 30 -</p> <ul style="list-style-type: none"> • , 	<p>KS M ISO 6134 2002. 11. 30 -</p> <ul style="list-style-type: none"> • 2 5 	
<p>KS M ISO 2302 2002. 11. 30 - (IIR) -</p> <ul style="list-style-type: none"> • , - <p>가 가 , , 가</p>	<p>KS M ISO 37 2002. 11. 30 가 가 -</p> <ul style="list-style-type: none"> • 가 가 	
<p>KS M ISO 2398 2002. 11. 30</p> <ul style="list-style-type: none"> • 가 -40 +70 , • 2.5MPa 7가 2가 	<p>KS M ISO 248 2002. 11. 30 -</p> <ul style="list-style-type: none"> • 가 - 	
<p>KS M ISO 2921 2002. 11. 30 가 -</p> <p>(TR)</p> <ul style="list-style-type: none"> • 가 	<p>KS M ISO 283 2002. 11. 30 -</p> <ul style="list-style-type: none"> • - • (, ,) 	
<p>KS M ISO 3384 2002. 11. 30 가 가 -</p> <ul style="list-style-type: none"> • , <p>가 가 가</p>	<p>KS M ISO 283-1 2002. 11. 30 -</p> <p>- 1 :</p> <ul style="list-style-type: none"> • 가 , 	
<p>KS M ISO 4097 2002. 11. 30 - - (EPDM</p> <p>가</p>	<p>KS M ISO 432 2002. 11. 30 -</p>	

· 가		KS M ISO 1133 2002. 11. 30 (MFR)	- 가
KS M ISO 583 2002. 11. 30	-	· 가	(MFR)
·		KS M ISO 1209-1 2002. 11. 30	-
·		1 :	
KS M ISO 583-1 2002. 11. 30	-	· 3	
- 1 :		KS M ISO 1209-2 2002. 11. 30	-
· 가		2 :	
KS M ISO 703 2002. 11. 30	-	·	
·		KS M ISO 3451-1 2002. 11. 30	- - 1 :
KS M ISO 703-1 2002. 11. 30	-	·	
- 1 :		KS M ISO 3915 2002. 11. 30	-
· ()		·	
KS M ISO 2303 2002. 11. 30	(IR) -	KS M 4592 2002. 11. 30.	- -
- 가		·	
·		KS M 5659-1 2002. 11. 30	- - 1 :
·		·	
KS M ISO 3417 2002. 11. 30	-	KS M 5659-2 2002. 11. 30	- - 2 :
가		· 가	
· 가		KS M 6721-1 2002. 11. 30	- -
KS M ISO 6502 2002. 11. 30	-	:	
· 가		·	
KS M ISO 844 2002. 11. 30	-	KS M 3082 2002. 11. 30	- V
·		·	



- () -
 KS K 0339 2002. 11. 28 :
 • “ ” 가

KS K ISO 7771 2002. 11. 28 -
 -
 • KS K0601
 KS K ISO 7771

KS K ISO 5077 2002. 11. 28 -
 • KS K0472
 KS K ISO 5077

KS K ISO 4912 2002. 11. 25 :
 •

KS K 0347 2002. 11. 25
 •

KS K 0468 2002. 11. 30
 • ISO 3060
 KS K 0756 2002. 11. 30
 • (SI Unit)

KS K ISO 5912 2002. 11. 30
 • ISO 5912

KS K 0645 2002. 11. 13
 • ISO

KS K 0659 2002. 11. 13
 • ISO

KS K 0647 2002. 11. 13
 • ISO

KS K 0646 2002. 11. 13
 • ISO

KS M 6590 2002. 11. 30
 • SI

KS M 6781 2002. 11. 30 가
 • (가) 가

KS M 3005 2002. 11. 30 가
 • 가

KS M 3023 2002. 11. 30

•

KS M 3058 2002. 11. 30
 •

KS M 3152 2002. 11. 30
 •

KS M 3501 2002. 11. 30
 • 0.8mm

KS M 3718 2002. 11. 30
 •

KS M 3803 2002. 11. 30
 • , , 가



- () -
 KS K 0114 2002. 11. 28
 가

• KS K ISO 15487				• ICS : 77.100
KS K 0432 2002. 11. 28			KSDISO13902 2002. 11. 30	- -
• KS K ISO 6330			• ISO 13902	•
KS K 0790 2002. 11. 28			• ICS : 77.080.01	
• KS K 0466 KS K 0560			KSEISO11534 2002. 11. 30	- -
			• ISO 11534	•
			• ICS : 73.060.10	
- ()	-		KSEISO13312 2002. 11. 30	- -
KSDISO671 2002. 11. 30	-	-	• ISO 13312	•
• ISO 671			• ICS : 73.060.10	
• ICS : 77.080.01			KSEISO9685 2002. 11. 30	- /
KSDISO7693 2002. 11. 30	-	-	• ISO 4943	• /
• ISO 7693			73.060.10	• ICS :
• ICS : 77.100			KSEISO9684 2002. 11. 30	- -
KSDISO10138 2002. 11. 30	-	-	• ISO 9684	•
• ISO 10138			2	• ICS :
• ICS : 77.080.01			73.060.10	
KSDISO4173 2002. 11. 30	--		KSEISO9683 2002. 11. 30	- - BPHA
• ISO 4173			• ISO 9683	•
• ICS : 77.100			N- - (BPHA)	
			• ICS : 73.060.10	
KSDISO7692 2002. 11. 30	-	-	KSEISO9682-1 2002. 11. 30	- 가 -
• ISO 7692			:	

• ISO 11290-2	• ICS : 07.100.30	• ISO 8914	• ICS : 07.100.30
KS H ISO 15241 2002.11.30	-	KS H ISO 4149 2002.11.30	- ,
- 30		,	
• ISO 15241	• 30 3	• ISO 4149	•
	가	가	
• ICS : 07.100.30		• ICS : 67.140.20	
KS H ISO 16649-1 2002.11.30	-	KS H ISO 6666 2002.11.30	-
-	- 1 .	• ISO 6666	• ISO 4072
5- -4- - 3- β-D-	44℃		
• ISO 16649-1	• β-	(triers)	• ICS
-	• ICS : 07.100.30	: 67.140.20	
KS H ISO 16649-2 2002.11.30	- β-	KS H ISO 6668 2002.11.30	-
-	- 2 . 5- -4	• ISO 6668	•
-3- - β-D-	44℃		
• ISO 16649-2	• β-	: 67.140.20	• ICS
	44℃		
: 07.100.30	• ICS		
KS H ISO 16654 2002.11.30	-	KS H ISO 6673 2002.11.30	- 105
O157		• ISO 6673	• 105
• ISO 16654	• O157	• ICS : 67.140.20	
• ICS : 07.100.30		KS H ISO 7514 2002.11.30	-
KS H ISO 17410 2002.11.30	-	• ISO 7514	•
• ISO 17410	• 6.5	가	
• ICS : 07.100.30		• ICS : 67.140.20	
KS H ISO 8523 2002.11.30	-	KS M 10101 2002.11.30	- , , ,
• ISO 8523	•	,	,
	• ICS :	• , , , , ,	• ICS :
07.100.30			
KS H ISO 8914 2002.11.30	-	KS M 10100 2002.11.30	- (PCR)

• (PCR)
• ICS :



- () -
KS G 3125 2002. 11. 22 가

• , ,
가

KS G 3126 2002. 11. 22 가
• 가

KS G 5711 2002. 11. 22
•

KS M 6883 2002. 11. 22
• ,

KS M 6893 2002. 11. 22
•



- () -
KS D ISO 4525 2002. 11. 7

- -
• : IDT •
-
: 25.220.40

KS D ISO 4526 2002. 11. 7
• : IDT •

ICS : 25.220.40

KS D ISO 12686 2002. 11. 7 - ,
• ,

• : IDT • , ,
()

• ICS : 25.220.40

KS M ASTM D 2807 2002. 11. 7

• : (ASTM) •
(1 5%) • ICS : 59.080.00

KS M ASTM D 3618 2002. 11. 7

• : (ASTM) •
0.5% • ICS : 87.040

KS M DIN 53314 2002. 11. 7 (V

• : DIN •
(VI) • ICS : 59.080.00

KS M ASTM D 5185 2002. 11. 7 ,

• : (ASTM) •
(ICP-AES)
가

• ICS :

KS M ASTM D 1224 2002. 11. 7

• ICS • : (ASTM) •
• ICS : 85.060

KS M ASTM D 3335 2002. 11. 7 ,

• : (ASTM) •

<p>0.01 5%</p> <p>, 50 150 mg/kg , 50 2000 ppm(mg/kg)</p> <ul style="list-style-type: none"> • ICS : 87.040 	<p>KS M ISO 3392 2002. 11. 7</p> <p>-</p> <ul style="list-style-type: none"> • ICS : ISO
<p>KS M ASTM D4004 2002. 11. 7</p> <p>(, , 가)</p> <ul style="list-style-type: none"> • ICS : 71.060.50 	<p>KS M ISO 3430 2002. 11. 7</p> <p>-1,10-</p> <ul style="list-style-type: none"> • ICS : ISO
<p>KS M ASTM D 6018 2002. 11. 7</p> <p>(ASTM)</p> <ul style="list-style-type: none"> • ICS : 83.060 	<p>KS M ISO 3430 2002. 11. 7</p> <p>-1,10-</p> <ul style="list-style-type: none"> • ICS : ISO
<p>KS M ASTM D 6018 2002. 11. 7</p> <p>(ASTM)</p> <ul style="list-style-type: none"> • ICS : 59.080.00 	<p>KS C ISO 14237 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 71.100.10
<p>KS K BS 6810 2002. 11. 7</p> <p>-</p> <p>, , , , , , , , , 가</p> <p>, ,</p> <ul style="list-style-type: none"> • ICS : 59.080.00 	<p>KS C ISO 14237 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 71.100.10
<p>KS M ISO 2367 2002. 11. 7</p> <p>-8-</p> <ul style="list-style-type: none"> • ICS : 71.060.50 	<p>KS C IEC 61173 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 77.120.99
<p>KS M ISO 2830 2002. 11. 7</p> <p>-</p> <p>(NaF/AlF₃)가 3</p> <ul style="list-style-type: none"> • ICS : 71.060.50 	<p>KS C IEC 61173 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 77.120.99
<p>KS M ISO 3390 2002. 11. 7</p> <p>- 가 -</p> <ul style="list-style-type: none"> • ICS : 71.100.10 	<p>KS C IEC 61345 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 27.160
<p>KS M ISO 3390 2002. 11. 7</p> <p>- 가 -</p> <ul style="list-style-type: none"> • ICS : 71.100.10 	<p>KS C IEC 61345 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 27.160
<p>KS M ISO 3390 2002. 11. 7</p> <p>- 가 -</p> <ul style="list-style-type: none"> • ICS : 71.100.10 	<p>KS C IEC 61646 2002. 11. 21</p> <p>-</p> <p>가</p> <ul style="list-style-type: none"> • ICS : 27.160

KS C IEC 61431 2002. 11. 21				가	: ISO	•	
•	: IDT	• IEC 61431	KS	-		• ICS	: 77.120.30
-					KS D ISO 3110 2002.12. 28	-	-
29.220.00					• ICS	:	• : ISO
						• ICS	: 77.120.30
KS C IEC 62060 2002. 11. 21 2	-				KS D ISO 4741 2002.12. 28	-	-
•	: IDT	• IEC 62060	KS	-	•	: ISO	•
						• ICS	: 77.120.30
					KS D ISO 4743 2002.12. 28	-	-
					•	: ISO	•
						• ICS	: 77.120.30
KS L 6526 2002. 11. 21					KS D ISO 4744 2002.12. 28	-	-
•	: MOD	•			-		
		• ICS	: 25.100.70		•	: ISO	•
						• ICS	: 77.120.30
KS L 6527 2002. 11. 21					KS D ISO 4751 2002.12. 28	-	-
•	: MOD	•			•	: ISO	•
		• ICS	: 25.100.70			• ICS	: 77.120.30
KS D ISO 1554 2002.12. 28					KS D ISO 4748 2002.12. 28	-	-
-					•	: ISO	•
•	: ISO	•				• ICS	: 77.120.30
	• ICS	: 77.120.30			KS D ISO 1810 2002.12. 28	- ()	
					•	: ISO	•
						• ICS	: 77.120.30
KS D ISO 1812 2002.12. 28	-1,10				KS M ISO 2072 2002. 11. 28	- PAN	
•	: ISO				•	: ISO	•
•							• ICS : 71.100.10
• ICS	: 77.120.30				KS M ISO 2366 2002. 11. 28	,	-
					-		
KS D ISO 2543 2002.12. 28				가	(NaF/ALF ₃) ₃		
-					• ICS	: 71.060.50	

KS M ISO 2829 2002. 11. 28

-
• ICS : 71.100.10

KS M ISO 2926 2002. 11. 28

- 가
50µm 50µm
• ICS : 71.100.10

KS M ISO 2961 2002. 11. 28

- 가
가
• ICS : 71.100.10

KS M ISO 1686 2002. 11. 30

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• IDT •
71.060.50

KS M ISO 1691 2002. 11. 30

-가
• IDT •
• ICS : 71.060.50

KS M ISO 1692 2002. 11. 30

-
• IDT •
• ICS : 71.060.50

KS M ISO 2122 2002. 11. 30

-
• IDT • 가

• ICS : 71.060.50

KS M ISO 2479 2002. 11. 30 ()-

• IDT •
• ICS : 71.060.50

KS M ISO 2480 2002. 11. 30 ()-

-
• IDT •

• ICS : 71.060.50

KS M ISO 2481 2002. 11. 30 ()-

-
• IDT •

• ICS : 71.060.50

KS M ISO 2482 2002. 11. 30 ()-

-EDTA
• IDT •
0.001%(m/m)

• ICS : 71.060.50

KS M ISO 2483 2002. 11. 30 ()-110

• IDT •
• ICS : 71.060.50

KS M ISO 2992 2002. 11. 30 ()-

-2,2'-
• IDT •
0.0001%(m/m)
• ICS : 71.060.50

KS M ISO 2993 2002. 11. 30 ()-

--
• IDT •

71.060.50

- ICS : KS M ISO 5373 2002. 11. 30 (,)-
- : IDT •

KS M ISO 3137 2002. 11. 30 ()-

- ICS : 71.060.50
- : IDT •

KS M ISO 3332 2002. 11. 30 ()-

- ICS : 71.060.50
- : IDT •

ICS : 71.060.50

KS M ISO 3357 2002. 11. 30 ()- () -

- : IDT •
- ICS : 71.060.50

KS M ISO 3425 2002. 11. 30 ()-850 900 200

- : IDT •
- ICS : 71.060.10

KS M ISO 3426 2002. 11. 30 ()-80

- : IDT • 80
- ICS : 71.060.10

KS M ISO 3704 2002. 11. 30 ()-

- : IDT •
- ICS : 71.060.10

KS M ISO 3705 2002. 11. 30 ()-

- : IDT •
- ICS : 71.060.10

KS C 8505 2002. 11. 21

- : MOD •
- PS-C HS - PS320C-PS680C
- 300mm 370mm • ICS : 29.220.20

KS C 8511 2002. 11. 21

- : MOD • KS
- KS C 2208
- (KS C2207) • ICS : 29.220.20

KS C 8518 2002. 11. 21

- : MOD •
- HSBS() GEX(, 10)
- 가
- UMSB 240 300
- ICS : 29.220.20

KS G 2617 2002. 11. 21

- : ISO 9177-1 MOD • (SI)
- ICS : 35.260.20

KS G 2001 2002. 11. 28

- : ISO • 가 • ICS :

KS G 3305 2002. 11. 28 가

- : ISO 가 SI
- ICS :

KS L 7104 2002. 11. 28

- : ISO 가 SI
- ICS :



KS L 0012 2002. 11. 28



- () -

KS M 8102 2002. 11. 12 ()

- KS ISO

KS M 8103 2002. 11. 12 ()

- KS ISO

KS M 8104 2002. 11. 12 ()

- KS ISO

KS M 8105 2002. 11. 12 ()

- KS ISO

KS M 8106 2002. 11. 12 (7)()

- KS ISO

KS M 8114 2002. 11. 12 ()()

- KS ISO

KS M 8115 2002. 11. 12 ()

- KS ISO

KS M 8116 2002. 11. 12 ()

- KS ISO

KS M 8118 2002. 11. 12 ()

- KS ISO

KS M 8121 2002. 11. 12 ()

- KS ISO

KS M 8124 2002. 11. 12 (II)(5)()

- KS ISO

KS M 8127 2002. 11. 12 (III) (12)()

- KS ISO

KS M 8131 2002. 11. 12 (II) (3)()

- KS ISO

KS M 8132 2002. 11. 12 (III) ()

- KS ISO

KS M 8137 2002. 11. 12 ()

- KS ISO

KS M 8152 2002. 11. 12 (3)()

- KS ISO

KS M 8163 2002. 11. 12 ()

- KS ISO

KS M 8174 2002. 11. 12 (10)()

- KS ISO

KS M 8229 2002. 11. 12 ()

- KS ISO

KS M 8231 2002. 11. 12 ()

- KS ISO

KS M 8232 2002. 11. 12 (4)()

- KS ISO

KS M 8233 2002. 11. 12 (II)(3)()

• KS ISO				KS M 8325 2002. 11. 12	()
KS M 8256 2002. 11. 12	(8)	()		• KS ISO	
• KS ISO				KS M 8330 2002. 11. 12	()
KS M 8257 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8334 2002. 11. 12	()
KS M 8262 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8353 2002. 11. 12	(II)(7)
KS M 8267 2002. 11. 12		()	()	• KS ISO	
• KS ISO				KS M 8354 2002. 11. 12	(II)(6)
KS M 8279 2002. 11. 12	(V)	()		• KS ISO	
• KS ISO				KS M 8361 2002. 11. 12	()
KS M 8283 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8365 2002. 11. 12	(10)
KS M 8284 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8410 2002. 11. 12	(2)
KS M 8291 2002. 11. 12	(II)(6)	()		• KS ISO	
• KS ISO				KS M 8413 2002. 11. 12	()
KS M 8294 2002. 11. 12		(12)	()	• KS ISO	
• KS ISO				KS M 8461 2002. 11. 12	()
KS M 8295 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8483 2002. 11. 12	()
KS M 8300 2002. 11. 12		()		• KS ISO	
• KS ISO				KS M 8484 2002. 11. 12 (+)-	(4)
KS M 8301 2002. 11. 12	(6)	()		• KS ISO	
• KS ISO				KS M 8486 2002. 11. 12	()
KS M 8310 2002. 11. 12		()		• KS ISO	
• KS ISO					

				KSB ISO 12480-1 2002. 11. 18	-	- 1 :
• IDT •	-		• 53.100	• IDT •	- 1 :	• 53.100
KSB ISO 8566-1 2002. 11. 18	-	- 1 :		KSB ISO 8909-3 2002. 11. 23	-3	
• IDT •	- 1 :		• 53.100	• IDT •		• 65.060.50
KSB ISO 8566-2 2002. 11. 18	-	- 2 :		KSB ISO 8935 2002. 11. 23	-	
• IDT •	- 2 :		• 53.100	• IDT •	-	
KSB ISO 8566-5 2002. 11. 18	-	- 5 :				• 65.060.10
• IDT •	- 5 :		• 53.100	KSB ISO 11001-4 2002. 11. 23		
KSB ISO 8686-1 2002. 11. 18	-			- 4 :		
- 1 :				• IDT •		• 65.060.50
• IDT •	- 1 :			KSB ISO 11684 2002. 11. 23	,	,
• 53.100				-	-	
KSB ISO 8686-5 2002. 11. 18	-			• IDT •	-	• 65.060.50
- 5 :						
• IDT •	- 5 :					
• 53.100				- ()	-	
KSB ISO 10245-1 2002. 11. 18	-			KS B 6061 2002. 11. 26		
1 :				•		
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KSB ISO 10245-2 2002. 11. 18	-			•		
2 :				KS B 6207 2002. 11. 26	1MPa	
• IDT •	- 2 :			•		
• 53.100				KS B 6211 2002. 11. 26	가 (
KSB ISO 10245-5 2002. 11. 18	-			•		
5 :				KS B 6214 2002. 11. 26	가	
• IDT •	- 5 :			•		
53.100				KS B 6352 2002. 11. 26		
KSB ISO 11994 2002. 11. 18	-	-		•		
• IDT •	-		• 53.100			

KS B 6353 2002. 11. 26

가



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(field)	(KS number)	(title)
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KS B 6380 2002. 11. 26

KS B ISO 2016

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KS B ISO 3419

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KS B 7067 2002. 11. 26

KS B ISO 4144

•

KS B ISO 4145

KS B 6411 2002. 11. 26

,

KS B ISO 10380

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(→ ())

KS B ISO 10907

-

- 1

KS B 6200 2002. 11. 30

KS B ISO 11415

- A B

•

KS B 6201 2002. 11. 30

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KS B ISO 11900-

- 1 :

KS B 6204 2002. 11. 30

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A B

KS B 6209 2002. 11. 30

KS B ISO 11901-

- 가

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1 :

KS B 6222 2002. 11. 30

KS B ISO 11901-

2 :

- 가

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KS B ISO 11903

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KS B 6223 2002. 11. 30

KS B ISO 8020

2

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KS B 6203 2002. 11. 30

- :

(Tel 02-509-7275, FAX 02-507-1923)

- :

•

KS B 6233 2002. 11. 30



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KS B 6235 2002. 11. 30

KS A ISO 9960-1 2002. 11. 13 - ,
: IDT .
: IDT . ,
SI 가 .
· ICS codes 01.100.40
· ICS codes 01.100.30

KS A ISO 9960-2 2002. 11. 13 -
: IDT · ISO 9960-1 가
· ICS codes 01.100.40

KS A ISO 9960-3 2002. 11. 13 -
: IDT · ISO 9960 , ISO 9960-
가 · ICS codes 01.100.40

KS A ISO 3952-3 2002. 11. 21 - -
: IDT . , ,
· ICS codes 01.080.30

KS A ISO 3952-4 2002. 11. 21 - -
: IDT · 1,2,3
· ICS codes 01.080.30

KS A ISO 3952-2 2002. 11. 21 - -
: IDT . , , , ,
· ICS codes 01.080.30

KS A ISO 3952-1 2002. 11. 21 - -
: IDT . , , , ,
N- · ICS codes 02.080.30

KS A ISO 1302 2002. 11. 21 -
: IDT . 가
· ICS codes 01.100.20

KS A ISO 4067-1 2002. 11. 23 - - 1 : , ,
· ICS 21.100.10

KS A ISO 4067-6 2002. 11. 23 - - 6 :
: IDT .
, , ()
· ICS codes 01.100.30

KS A ISO 8545 2002. 11. 23 - -
: IDT .
, ,
· ICS codes 01.100.30

KS A ISO 9962-3 2002. 11. 23 - 3 :
: IDT .
()
· ICS codes 01.100.40

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, ,
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· ICS codes 01.100.40

KS A ISO 9962-1 2002. 11. 23 - 1 : ,
: IDT .
, ,
· ICS codes 01.100.40

KS B ISO 11687-1 2002. 11. 26 -
1 :
: IDT .
· ICS 21.100.10

KS B ISO 11687-2 2002. 11. 26 -
 2 :
 : IDT
 . ICS 21.100.10

KS B ISO 11687-3 2002. 11. 26 -
 3 :
 : IDT
 . ICS 21.100.10

KS B ISO 12128 2002. 11. 26 - ,
 , ,
 : IDT ,
 . ICS 21.100.10

KS B ISO 12129-1 2002. 11. 26 - 1 :
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 . ICS 21.100.10

KS B ISO 12129-2 2002. 11. 26 - 2 :
 ,
 : IDT , ,
 . ICS 21.100.10

KS B ISO 12131-1 2002. 11. 26 -
 1 :
 : IDT
 . ICS 21.100.10

KS B ISO 12131-2 2002. 11. 26 -
 2 :
 : IDT
 . ICS 21.100.10

KS B ISO 12131-3 2002. 11. 26 -
 3 :

KS B ISO 10767-3 2002. 11. 26 -
 - 3 :
 : IDT
 . ICS 23.100.10

KS B ISO 10767-2 2002. 11. 26 -
 - 2 :
 : IDT
 . ICS 23.100.10

KS B ISO 10767-1 2002. 11. 26 -
 - 1 :
 : IDT
 . ICS 23.100.10

KS B ISO 16889 2002. 11.26 -
 가
 : IDT
 . ICS 23.100.10

KS B ISO 6072 2002. 11. 26 -
 : IDT
 . ICS 23.100.10

KS B ISO 7986 2002. 11 26 -
 가
 : IDT ,
 . ICS 23.100.10

KS B ISO 15072 2002. 11. 27 가
 , A
 : IDT
 . ICS 23.100.10

KS B ISO 10642 2002. 11. 27

KS B 7099-203 2002. 11. 30	-	• ISO 12737 () • 77.040.10	• ICS
KS B 7099-21 2002. 11. 30	-	KS B ISO 1099 2002. 11.7 • ISO 1099 () • ICS 77.040.10	•
KS B 7099-24 2002. 11. 30	-	KS D ISO 1190-1 2002. 11.18	1 :
KS P 5104 2002. 11. 30	()	• ISO 1190-1 () • ISO	• ICS 77.120.30
KS P 5107 2002. 11. 30		KS D ISO 2107 2002. 11. 18	-
KS P 5109 2002. 11. 30		• ISO 2107 () • ISO	• ICS 77.120.10
KS P 5316 2002. 11. 30	K4	KS D ISO 10384 2002. 11. 21	
KS P 7105 2002. 11. 30		• ISO 10384 () • ISO	• ICS 77.140.50
KS P 7106 2002. 11. 30		KS D ISO 11950 2002. 11. 21	/
KS P 7107 2002. 11. 30		• ISO 11950 () • ISO	• ICS 77.140.50
KS P 7108 2002. 11. 30	G	KS D ISO 13976 2002. 11. 21	
KS P 7444 2002. 11. 30		• ISO 13976 () • ISO	• ICS 77.140.50
KS P 7445 2002. 11. 30		KS D 2330 2002. 11. 18	
KS P 7412 2002. 11. 30		• ISO 2330() • , • ICS 77.120.10	
KS P 7415 2002. 11. 30		KS D 3617 2002. 11. 21	
KS P 7442 2002. 11. 30		• ISO 14590() • ISO 14590	• ICS
KS P 7443 2002. 11. 30		77.140.50	
KS P 7109 2002. 11. 30		KS D 3616 2002. 11. 21 가	
KS P 7201 2002. 11. 30		• ISO 4996() • ISO 4996	• ICS
KS P 7202 2002. 11. 30		77.140.50	
KS P 7205 2002. 11. 30		KS D 3533 2002. 11. 21 가	
KS P 7206 2002. 11. 30			
KS P 7209 2002. 11. 30			
KS P 7408 2002. 11. 30			
KS P 7409 2002. 11. 30			
KS B 0950 2002. 11. 7			
가			
• ICS 77.040.10			
KS B ISO 12737 2002. 11.7			

• ISO 9328-1() • ISO 9328-1
ICS 77.140.30

KS D 3565 2002. 11. 21

• ICS 77.140.70

• KS B 5530 2002. 11. 6
KS B 0801 2002. 11. 6

[]

KS D 3591 2002. 11. 26

• ISO 683-14, 8458-3() • ISO
• ICS 77.140.25



KS D 3556 2002. 11. 26

• ISO 8458-1, 8458-2() •
77.140.12

• IC

- () -
KS X ISO 12639 2002. 11. 4 -
- (TIFF/IT)
• ISO 12639 •

KS D 3534 2002. 11. 26

• ISO 6931-2, 9447() •
77.140.25

• ICS

KS X ISO 12640 2002. 11. 4 -
- CMYK (CMYK/SCID)
• ISO 12640 • , , 가

KS D 3505 2002. 11. 26 PC

• ISO 6934-1, 6934-5() •
77.140.15

• IC

가
CMYK

KS D 3559 2002. 11. 26

• ISO 8457-1, 8457-2() •
77.140.65

• IC

KS X ISO 12641 2002. 11. 4 -
-
• ISO 12641 • / ()

KS D 3535 2002. 11. 26

• ISO 6931-1() •

• ICS 77.140.2

KS X ISO 12644 2002. 11. 4 -

KS D 3532 2002. 11. 26

• ISO 10384() •

• ICS 77.140.50

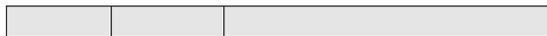
• ISO 12644 •

KS D 3514 2002. 11. 26

• ISO 2408, 8369() •
77.140.65

• ICS

KS X ISO 12645 2002. 11. 4 - -
• ISO 12645 •



KS B 5544 2002. 11. 6

KS X ISO 12647-1 2002. 11. 4 - ,
- 1 :

<ul style="list-style-type: none"> • ISO 12647-1 • ISO 12647 		<ul style="list-style-type: none"> • ISO 13928 • 	
가		, , 4	
KS X ISO 12647-2 2002. 11. 4	-	,	
,	- 2 :		KS X IEC 61511-1 2002. 11. 8
			- 1 :
<ul style="list-style-type: none"> • ISO 12647-2 • ISO 12647 			
가 4	4		• IEC 61511-1 •
			, , ,
			KS X IEC 61511-2 2002. 11. 8
			- 2 : 1
KS X ISO 12647-3 2002. 11. 4	-	,	
	- 3 :		• IEC 61511-2 •
			1
<ul style="list-style-type: none"> • ISO 12647-3 • ISO 12647 	4		KS X IEC 61511-3 2002. 11. 8
			- 3 :
KS X ISO 13655 2002. 11. 4	-		• IEC 61511-3 •
<ul style="list-style-type: none"> • ISO 13655 • 			KS C IEC 60050-701 2002. 11. 30
			- 70
			, ,
KS X ISO 13656 2002. 11. 4	-		• IEC 60050-701 •
가			, ,
			KS C IEC 60050-704 2002. 11. 30
			- 704
<ul style="list-style-type: none"> • ISO 13656 • 			• IEC 60050-704 •
	가		
			KS C IEC 60050-705 2002. 11. 30
			- 705
KS X ISO 12636 2002. 11. 4	-		• IEC 60050-705 •
<ul style="list-style-type: none"> • ISO 12636 • 			
			KS C IEC 60050-712 2002. 11. 30
			- 712
KS X ISO 12637-2 2002. 11. 4	-		• IEC 60050-712 •
- 2 :			
<ul style="list-style-type: none"> • ISO 12637-2 • ISO 12637 			KS C IEC 60050-715 2002. 11. 30
			- 715
			• IEC 60050-715 •
KS X ISO 13928 2002. 11. 4	ISO 10755, ISO 10756, ISO 10		
ISO 10758	ISO 10759		KS C IEC 60050-716-1 2002. 11. 30
			- 7

<ul style="list-style-type: none"> • IEC 6050-716-1 	-	1	가		
KS C IEC 60050-721 2002. 11. 30 <ul style="list-style-type: none"> • IEC 60050-721 	-	721	DSA	KS X ISO/IEC 9594-10 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 9594-10 , OSI () () 	
KS C IEC 60050-722 2002. 11. 30 <ul style="list-style-type: none"> • IEC 60050-722 	-	722		KS X ISO/IEC 10021-10 2002. 11. 27 <ul style="list-style-type: none"> (MHS) - 10 : MHS- • ISO/IEC 10021-10 (MHS) , ISO/IEC 10021 MHS 	
KS X ISO/IEC 8650-2:97 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 8650-2 • ITU-T Rec. X.227 ISO/IEC 8650-17 - ACSE (PICS) 	-			KS X ISO/IEC 10737 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 10737 • OSI 	OSI
KS X ISO/IEC 8882-1:96 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 8882-1 • ISO/IEC 8882 CCITT X.25 	-	1		KS X ISO/IEC 11802-2 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 11802-2 • ISO/IEC 8802 LAN MAC MAC 	MA 16
ISO/IEC 7776 ISO/IEC 8308 DTE DTE					
KS X ISO/IEC 9594-7 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 9594-7 	-			KS X ISO/IEC 15410 2002. 11. 27 <ul style="list-style-type: none"> - PISN • ISO/IEC 15410 (PISN) (PINXs) (PPM) 	(WTM)
KS X ISO/IEC 9594-8 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 9594-8 	-			KS X ISO/IEC 15428 2002. 11. 27 <ul style="list-style-type: none"> - 가 가 	
KS X ISO/IEC 9594-9 2002. 11. 27 <ul style="list-style-type: none"> • ISO/IEC 9594-9 	-		DSA		

• ISO/IEC 15428 •	가 (SS-WTLR)				
	가 (ANF-WTINFO)				
	(PISN)			KS X ISO/IEC 10182 2002. 11. 4	-
KS X ISO 2834 2002. 11. 4	-			• ISO/IEC 10182 •	
• ISO 2834					
				KS X ISO/IEC 11017 2002. 11. 4	-
KS X ISO 2835 2002. 11. 4	-			• ISO/IEC 11017 •	
가					
• ISO 2835 •	가			ISO/IEC JTC 1/SC22/WG 20	
KS X ISO 2836 2002. 11. 4	-				
- 가	가			KS X ISO/IEC 13814 2002. 11. 4	-
• ISO 2836 •	가			Ada	
가				• ISO/IEC 13814 •	
KS X ISO 2837 2002. 11. 4	-				
- 가					
• ISO 2837					
	가			KS X ISO/IEC 15581 2002. 11. 4	-
KS X ISO 5737 2002. 11. 4	-			Fortran -	
• ISO 5737				• ISO/IEC 15581 •	
				KS X ISO/IEC 16509 2002. 11. 4	- 2000
KS X ISO 5776 2002. 11. 4	-			• ISO/IEC 16509 •	, 1999 2000
• ISO 5776					
				Y2K	
KS X ISO 14672 2002. 11. 4	- ISO 12640			KS X ISO/IEC 18009 2002. 11. 4	-
SCID				Ada :	가
• ISO 14672				• ISO/IEC 18009 •	가
• ISO 12640	SCID			, ISO/IEC 8652,	가
				가	, 가
KS X ISO/IEC 10176 2002. 11. 4	-			가	
• ISO/IEC 10176 •				KS X ISO 10755 2002. 11. 18	-

• ISO 10755 •		• ISO/IEC 10181-7 •	
KS X ISO 10756 2002. 11. 18	-	KS X ISO/IEC 10609-15 2002. 11. 27	-
• ISO 10756 •		TB, TC,TD, TE -	
		• ISO/IEC 10609-15 • FDDILAN	
		OSI	OSI
KS X ISO 10759 2002. 11. 18	-	가 TC54	
• ISO 10759 •		KS X ISO/IEC 11184-3 2002. 11. 27	-
		FVT1nn - 가	- VTE-
		- 3 : FVT114 - A-	VTE-
		• ISO/IEC 11184-3 • 가	(Virtual Termina
KS X ISO/IEC 10026-2 2002. 11. 27	-	Environment profile : VTE-profile	VTE -profile
- 2 : OSI TP		가 VT	
• ISO/IEC 10026-2 •		KS X ISO/IEC 11187-3 2002. 11. 27	-
		AVT1n, AVT2n - 가	-
KS X ISO/IEC 10168-4 2002. 11. 27	-	- 3 : AVT22 - S	
- 4 :		• ISO/IEC 11187-3 •	가
• ISO/IEC 10168-4 • ()			
		KS X ISO/IEC 11188-2 2002. 11. 27	-
		: 2 ROSE	
KS X ISO/IEC 10181-2 2002. 11. 27	-	• ISO/IEC 11188-2 • RTSE	ROSE A-
• ISO/IEC 10181-2 •			
		ROSE	
KS X ISO/IEC 10181-3 2002. 11. 27	-	KS X ISO/IEC 10165-7 2002. 11. 27	-
• ISO/IEC 10181-3 • (,)		• ISO/IEC 10165-7 •	가
KS X ISO/IEC 10181-7 2002. 11. 27			





KSC 6061 2002. 11. 30 (1)

- IEC 60068-1

KSC 6304 2002. 11. 30

- IEC 60068-2-56

KSX 5001 2002. 11. 30 (1)

KSX 5002 2002. 11. 30

- ISO/IEC 9995

KSX 5006 2002. 11. 30

KSX 5007 2002. 11. 30

KSX 5008 2002. 11. 30

KSX 5009 2002. 11. 30

(1)

KSX 5201 2002. 11. 30

KSX 5911 2002. 11. 30 16mm 35mm

- ISO 1116

KSX 5913 2002. 11. 30



- () -

KS X2011-6 2002. 11. 18

6 : 30

KS X2011-7 2002. 11. 18

7 : 40



X 1001 2002. 11. 16 ()

- 가 가



- () -

KS X ISO/IEC 9075-5 2002. 11. 20 -

SQL - 5 : (SQL/)

- ISO/IEC 9075-5 IDT • DB SQL

- ICS : 35.060

KS X ISO/IEC 9075-9 2002. 11. 20 -

SQL - 9 : (SQL/MED)

- ISO/IEC 9075-9 IDT • DB SQL

- ICS : 35.060

KS X ISO/IEC 9075-10 2002. 11. 20 -

SQL - 10 : (SQL/OLB)

- ISO/IEC 9075-10 IDT • DB SQL

- ICS : 35.060

KS X ISO/IEC 13249-5 2002. 11. 20 -

-SQL - 5 :

- ISO/IEC 13249-5 IDT • DB

- ICS : 35.060

ALGOL

KS X ISO/IEC 15419 2002. 11. 20 -

- ISO/IEC 15419 IDT •

- ICS : 35.040

ALGOL

KS X ISO/IEC 15423-1 2002. 11. 20 -

- 1 :

- ISO/IEC 15423-1 IDT •

- ICS : 35.040

KS X ISO/IEC 15438 2002. 11. 20 -

- PDF 417

- ISO/IEC 15438 IDT • 2 PDF 417

• ICS : 35.040

KS X ISO 1004:2002 2002.11.20 -

-

• IDT • 10

4

• ICS : 35.240.40

KS X ISO 6536:2002 2002.11.20 -

• IDT • , (test case)

• ICS : 03.060

• ICS : 35.040

KS X ISO 8583-3:2002 2002.11.20

- - 3 :

• IDT • KS X ISO 6511 A

• ICS : 35.240.15

KS X ISO 13491-2:2002 2002.11.20 -

) - 2 :

• IDT •

가 • ICS : 35.240.40

KS X ISO 15782-2:2002 2002.11.20 - -

:

• IDT • 가

• ICS : 35.240.40

KSXISOIEC15292 2002. 11. 26 - -

• IDT •

• ICS : 35.040

KSXISOIEC15816 2002. 11. 26 - -

• IDT •

• ICS : 35.040

KSXISOIEC15945 2002.11. 26 - -

TTP

• ICS : 35.040

• IDT •

• ICS : 35.040

KSX ISO/IEC 13522-7 2002. 11. 30 -

- 7 : **KS X ISO/IEC 13522-5**

• ISO/IEC 13522-7(IDT) •

MHEG-5

• ICS : 35.040

KSX ISO/IEC 13522-8 2002. 11. 30 -

- 8 : **KS X ISO/IEC 13522-5**

XML

• ISO/IEC 13522-8(IDT) • ISO/IEC

13522-5:1997 ASN.1 EBNF

XML

• ICS : 35.040

KSX ISO/IEC 16485 2002. 11. 30 -

(MRC)

• ISO/IEC16485(IDT) • (multi-level) (bi-level)

• ICS : 35.040

KSX ISO/IEC 21000-1 2002. 11. 30 -

(MPEG-21) - 1 : ,

• ISO/IEC 21000-1(IDT) •

가

• ICS : 35.040

KSX ISO/IEC 15444-1 2002. 11. 30 - JPEG 2000

- 1 :

• ISO/IEC 15444-1(IDT)

가 가

• ICS : 35.040

KSX ISO/IEC 15444-2 2002. 11. 30 - JPEG 2000
 : 2 :
 • ISO/IEC 15444-2(IDT) •
 ,
 가 가
 • ICS : 35.040

KSX ISO/IEC 15444-3 2002. 11. 30 - JPEG 2000
 : 3 : (Motion) JPEG 2000
 • ISO/IEC 15444-3(IDT) •
 ()
 JPEG 2000 (codec)
 • ICS : 35.040

KSX ISO/IEC 14495-2 2002. 11. 30 -
 - 2 :
 • ISO/IEC 14495-2(IDT) • (),
 ()
 • ICS : 35.040

KSX ISO/IEC 15938-1 2002. 11. 30 -
 - 1 :
 • ISO/IEC 15938-1(IDT)
 •
 • ICS : 35.040

KSX ISO/IEC 15938-2 2002. 11. 30 -
 - 2 :
 • ISO/IEC 15938-2(IDT) •
 , MPEG-7
 • ICS : 35.040



- () -

KS X ISO/IEC 10536- 2 2002. 11. 4 ID - IC
 - 2 :
 • IDT •
 • ICS : 35.240.15

KS X ISO/IEC 10536- 3 2002. 11. 4 ID - IC
 - 3 :
 • IDT •
 • ICS : 35.240.15

KS X ISO/IEC 7501-1 2002. 11. 20 ID -
 - 1 :
 • IDT •
 • ICS : 35.240.15

KS X ISO/IEC 7501-2 2002. 11. 20 ID -
 - 2 :
 • IDT •
 • ICS : 35.240.15

KS X ISO/IEC 7501-3 2002. 11. 20 ID -
 - 3 :
 • IDT •
 • ICS : 35.240.15



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KS X 6309 2002.11.20 (E13B)



- () -

KS C IEC 60249-2-13 2002. 11. 30 2

13 :
 • IDT IEC 60249-2-13 •

,
 • ICS 31.180
KS C IEC 60249-2-14 2002. 11. 30 2
14 : 가
 ()
 • IDT IEC 60249-2-14 • 0.5mm 3.2mm 가
 , ,
 • ICS 31.180
KS C IEC 60249-2-15 2002. 11. 30 2
15 : 가
 • IDT IEC 60249-2-15 • 가
 ,
 • ICS 31.180
KS C IEC 60249-2-16 2002. 11. 30 2
16 : 가 ()
 • IDT IEC 60249-2-16 • 가 0.5mm 6.4mm 가
 , ,
 • ICS 31.180
KS C IEC 60249-2-17 2002. 11. 30 2
17 : 가
 • IDT IEC 60249-2-17 • 0.8mm(0.03in)
 가
 , ,
 • ICS 31.180
KS C IEC 60249-2-18 2002. 11. 30 2
18 : 가 /
 ()
 • IDT IEC 60249-2-18 • 0.5mm 6.4mm 가
 /
 , ,
 • ICS 31.180
KS C IEC 60249-2-19 2002. 11. 30 2
19 : 가

/
 • IDT IEC 60249-2-19 • (가
 0.8mm(0.03in)
 /
 • ICS 31.180
KS C IEC 60249-3-1 2002. 11. 30 3 :
1 :
 • IDT IEC 60249-3-1 •
 ,
 • ICS 31.180
KS C IEC 60249-3-3 2002. 11. 30 3 :
3 :
 ()
 • IDT IEC 60249-3-3 • , ,
 • ICS 31.180
KS C IEC 61010-1 2002. 11. 30 ,
1 :
 • IDT IEC 61010-1 • , ,
 , , ,
 • ICS 19.080
KS C IEC 61010-2-10 2002. 11. 30 ,
2-10 가
 • IDT IEC 61010-2-10 • 가
 , , , ,
 • ICS 19.080
KS C IEC 61010-2-20 2002. 11. 30 ,
2-20
 • IDT IEC 61010-2-20 •
 , , , , , , ,

Hz

• ICS 31.180

• 29.030

KS C IEC 60404-8-9 2002. 10. 31 - 8-9 :

• IDT IEC 60404-8-9 • IEC 60404-8

KS C IEC 60249-2-15 2002. 11. 30 2

15 :가

• IDT IEC 60249-2-15 • 가

• ICS 31.180

• 29.030

KS C IEC 60249-2-16 2002. 11. 30 2

16 :가

• IDT IEC 60249-2-16 • 가 0.5mm 6.4mm 가



KS C 0282 2002. 11. 30. -EMC

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• ICS 31.180

KS C 6107 2002. 11. 30.

KS C IEC 60249-2-17 2002. 11. 30 2

17 :

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• IDT IEC 60249-2-17 • 0.8mm(0.031in)

가

• ICS 31.180

KS C 6603 2002. 11. 30.

KS C 6604 2002. 11. 30.

KS C 6605 2002. 11. 30.

KS C 6606 2002. 11. 30.

KS C 6607 2002. 11. 30.

KS C 6608 2002. 11. 30.

KS C 6609 2002. 11. 30.

KS C 6610 2002. 11. 30.

KS C 6611 2002. 11. 30.

KS C IEC 60249-2-18 2002. 11. 30 2

18 :가

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• IDT IEC 60249-2-18 • 0.5mm 6.4mm 가



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KS C IEC 60249-2-13 2002. 11. 30 2

13 :

• IDT IEC 60249-2-13 •

• ICS 31.180

• ICS 31.180

KS C IEC 60249-2-19 2002. 11. 30 2

19 :

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• IDT IEC 60249-2-19 •

0.8mm(0.031in)

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KS C IEC 60249-2-14 2002. 11. 30 2

14 :

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• IDT IEC 60249-2-14 • 0.5 mm 3.2 mm 가

• ICS 31.180

KS C IEC 60249-3-1 2002. 11. 30

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• IDT IEC 60249-3-1 •

• ICS 31.180

KS C IEC 60249-3-3 2002. 11. 30

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• IDT IEC 60249-3-3 •

• ICS 31.180

KS C IEC 61010-1 2002. 11. 30

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• IDT IEC 61010-1 •

• ICS 19.080

KS C IEC 61010-2-10 2002. 11. 30

2-10 가

• IDT IEC 61010-2-10 •

ICS 19.080

KS C IEC 61010-2-20 2002. 11. 30

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• IDT IEC 61010-2-20 •

• ICS 19.080

KS C IEC 61010-2-41 2002. 11. 30

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• IDT IEC 61010-2-41 •

• ICS 19.080

KS C IEC 61010-2-42 2002. 11. 30

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• IDT IEC 61010-2-42 •

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• ICS 19.080

KS C IEC 61010-2-43 2002. 11. 30

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• IDT IEC 61010-2-43 •

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• ICS 19.080

KS C IEC 61010-2-51 2002. 11. 30

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• IDT IEC 61010-2-51 •

• ICS 19.080

KS C IEC 61010-2-61 2002. 11. 30

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• IDT IEC 61010-2-61 •

• ICS 19.080

KS A 4022 2002. 10. 23

X

• 1977

IEC 60601-2-7 2002

KS A 4701 2002. 10. 23 X
• 1979
IEC 60336 2003

KS A 4731 2002. 10. 23 X
• 1979

KS A 4915 2002. 10. 23 X
• 1981

KS C 2404-1 2002. 10. 11 - 1 :
• KS C IEC 60404-1 KS

KS C 2404-2 2002. 10.11 - 2 :
• KS C IEC 60404-2 KS

KS C 2607 2002. 10. 23
• IEC

KS C 6045 2002. 10. 23
• IEC

KS C 6046 2002. 10. 23
• IEC

KS C 6311 2002. 10. 23
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KS C 7100 2002. 10. 23
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KS C 7102 2002. 10. 23
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KS C 6426 2002. 10. 26
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KS C 6427 2002. 10. 26
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KS C 6436 2002. 10. 26
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KS C 6438 2002. 10. 26
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KS C 6448 2002. 10. 26 (M)
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KS C 6449 2002. 10. 26 S)
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KS C IEC 61009-1 2002. 11. 30 가
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• IEC 61009-1
• ICS 29.120.50

KSCIEC60898-2 2002. 11. 30 가
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• IEC 60898-2
• ICS 29.120.50

KSCIEC60898-1 2002. 11. 30 가
- 1
• IEC 60898-1
• ICS 29.120.50

KSCIEC61009-2-2 2002. 11. 30 가
- 2-2

- IEC 61009-2-2
- ICS 29.120.50

KSCIEC61009-2-1 2002. 11. 30 가
- 2-1

- IEC 61009-2-1
- ICS 29.120.50

KSCIEC60245-7 2002. 11. 30 450/750V
- 7 :

- IEC 60245-7 450/750V
- ICS 29.060.20

KSCIEC60245-6 2002. 11. 30 450/750V
- 6 :

- IEC 60245-6 450/750V
- ICS 29.060.20

KSCIEC60245-5 2002. 11. 30 450/750V
- 5 :

- IEC 60245-5 450/750V
- ICS 29.060.20, 91.140.90

KSCIEC60216-3-1 2002. 11. 30

- 3 : - 1 :

- IEC 60216-3-1
- ICS 17.220.99, 29.035.01

KSCIEC60027-4 2002. 11. 30

- IEC 60027-4
- ICS 01.060

KSCIEC60027-3 2002. 11. 30

- IEC 60027-3
- ICS 01.060

KSCIEC60027-2 2002. 11. 30

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- IEC 60027-2
- ICS 01.060

KSCIEC60027-1 2002. 11. 30

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- IEC 60027-1
- ICS 01.060

KSCIEC60265-2 2002. 11. 30 - 2 : 52

- IEC 60265-2 52kV
- ICS 29.130.10

KSCIEC60265-1 2002. 11. 30 - 1 : 1
52kV

- IEC 60265-1 1kV 52kV
- ICS 29.130.10

KSCIEC60350 2002. 11. 30 가 , ,

- IEC 60350 가 , ,
- ICS 97.040.20

KSCIEC60669-2-1 2002. 11. 30 가

- 2-1 :

- IEC 60669-2-1
- ICS 29.120.40

KSCIEC60730-2-9 2002. 11. 30 가

- 2-9 :

- IEC 60730-2-9
- ICS 97.120

KSCIEC60730-2-8 2002. 11. 30 가

- 2-8 :

- IEC 60730-2-8
- ICS 97.120

• IEC 60478-4	•		KSC4613 2002.11.30	
• ICS 29.200			•	(MOD)
KSCIEC61310-2 2002. 11. 30		- ,	KSC8321 2002.11.30	
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• IEC 61310-2			KSC8309 2002.11.30	
•			•	(MOD)
• ICS 13.110				
KSCIEC61310-1 2002. 11. 30		- ,	KSV8854 2002.11.26	
- 1 ,			• SI	
• IEC 61310-1	•	가,	KSV8853 2002.11.26	
• ICS 13.110			• SI	
KSCIEC60204-1 2002. 11. 30		-	KSV8837 2002.11.26	
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• IEC 60204-1	•			
ICS 29.020			KSV8611 2002.11.26	
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KSCIEC60505 2002. 11. 30		가		
• IEC 60505	•	가	KSC4504 2002.11.30	
• ICS 29.080.30			•	(MOD)
KSCIEC60664-1 2002. 11. 30		- 1	KSC8300 2002.11.30	
• IEC 60664-1	•	ctr,	•	(MOD)
• ICS 29.080.30			KSC4524 2002.11.30	
			•	(MOD)
KSCIEC60071-2 2002. 11. 30		- 2	KSC8451 2002.11.30	
• IEC 60071-2	•		•	(MOD)
• ICS 29.080.30				
KSCIEC60071-1 2002. 11. 30		- 1	KSC0503 2002.11.30	
• IEC 60071-1	•		•	(MOD)
• ICS 29.080.30				



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KSC5521 2002.11.30

KSC5520 2002.11.30

KSC4308 2002.11.30

KSC4213 2002.11.30

KSC4212 2002.11.30 가

KSC4211 2002.11.30

KSC4210 2002.11.30 2

KSC4002 2002.11.30

KSR5007 2002.11.30

KSR5013 2002.11.30

KSR5019 2002.11.30

KSR5020 2002.11.30

KSR5021 2002.11.30

KSR5047 2002.11.30

KSR5049 2002.11.30

KSR5066 2002.11.30

KSR5071 2002.11.30

KSR5069 2002.11.30

KSC0703 2002.11.30

KSC0601 2002.11.30

KSV8856 2002.11.30

KSV8433 2002.11.30

KSV8432 2002.11.30

KSV8015 2002.11.30

KSV8014 2002.11.30

KSC8301 2002.11.30

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TC 2	ISO/DIS 10684	Fasteners - Hot dip galvanized coatings
TC 4	ISO/DIS 21107	Rolling bearings and spherical plain bearings - Search structure for electronic media - Characteristics and performance criteria identified by attribute vocabulary
TC 8	ISO/DIS 17899	Ships and marine technology - Electric window wipers
TC 17	ISO/DIS 4934.2	Steel and iron - Determination of sulfur content - Gravimetric method (Revision of ISO 4934:1980)
TC 17	ISO/DIS 9328-7	Steel flat products for pressure purposes - Technical delivery conditions - Part 7: Stainless steels (Revision of ISO 9328-5:1991)
TC 20	ISO/DIS 1540	Aerospace - Characteristics of aircraft electrical systems (Revision of ISO 1540:1984)
TC 21	ISO 7165:1999/DAmd 2	Fire-fighting - Portable fire extinguishers - Performance and construction - Amendment 2
TC 21	ISO/DIS 7240-5	Fire detection and alarm systems - Part 5 Point-type heat detectors
TC 21	ISO/DIS 12239	Fire detection and fire alarm systems - Self-contained smoke alarms
TC 22	ISO/DIS 4114.3	Road vehicles - Caravans and light trailers having a gross vehicle weight not exceeding 3,5 t - Static load on coupling ball (Revision of ISO/TR 4114:1979)
TC 22	ISO/DIS 13216-2	Road vehicles - Anchorages in vehicles and attachments to anchorages for child restraint systems - Part 2: Top tether anchorages and attachments
TC 29	ISO/DIS 8764-1	Screwdrivers for cross-recessed head screws - Part 1: Driver tips (Revision of ISO 8764-1:1999)

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TC 29	ISO/DIS 8764-2	Screwdrivers for cross-recessed head screws - Part 2: General requirements, lengths of blades and marking of hand-operated screwdrivers (Revision of ISO 8764-2:1992)
TC 34	ISO/DIS 7700-13	Checking the performance of moisture meters in use - Part 1: Moisture meters for cereals (Revision of ISO 7700-1:1984)
TC 34	ISO/DIS 21528-1	Microbiology of food and animal feedings stuffs - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 1: Detection and enumeration by MPN technique with pre-enrichment
TC 34	ISO/DIS 21528-2	Microbiology of food and animal feedings stuffs - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count method
TC 35	ISO/DIS 4628-8	Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 8: Evaluation of corrosion around a scribe
TC 35	ISO/DIS 20566	Paints and varnishes - Determination of the scratch resistance of a coating system using a laboratory car-wash
TC 35	ISO/DIS 20567-1	Paints and varnishes - Determination of stone chip resistance of coatings - Part 1: Multi-impact test
TC 35	ISO/DIS 20567-2	Paints and varnishes - Determination of stone chip resistance of coatings - Part 2: Single-impact test using a guided indenter
TC 42	ISO/DIS 18909	Photography - Processed photographic colour films and paper prints - Methods for measuring image stability (Revision of ISO 10977:1993)
TC 42	ISO/DIS 18926	Imaging materials - Information stored on magneto-optical(MO) discs - Method for estimating the life expectancy based on the effects of temperature and relative humidity
TC 42	ISO/DIS 22028-1	Photography and graphic technology - Extended colour encodings for digital image storage, manipulation and interchange - Part 1: Architecture and requirements
TC 58	ISO/DIS 10462	Gas cylinders - Transportable cylinders for dissolved acetylene - Periodic inspection and maintenance (Revision of ISO 10462:1994)

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TC 67	ISO/DIS 10427-2	Petroleum and natural gas industries - Equipment for well cementing - Part 2: Centralizer placement and stop collar testing (Revision of ISO 10427:1993)
TC 72	ISO/DIS 8640-1	Textile machinery and accessories - Flat warp knitting machines - Part 1: Vocabulary of basic structure and knitting elements (Revision of ISO 8640-1:1990)
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TC 83	ISO/DIS 10958-2	Snowboards - Binding mounting area - Part 2: Requirements and test methods for snowboards with inserts (Revision of ISO 10958-2:1999)
TC 83	ISO/DIS 11087	Alpine ski-bindings - Retention devices - Safety requirements and test methods (Revision of ISO 11087:1997)
TC 94	ISO/DIS 16602.2	Protective clothing for protection against chemicals - Classification, labelling and performance requirements
TC 96	ISO/DIS 4309	Cranes - Wire ropes - Care, maintenance(including installation), inspection (Revision of ISO 4309:1990)
TC 107	ISO/DIS 4526.3	Metallic coatings - Electroplated coatings of nickel and nickel alloys for engineering purposes (Revision of ISO 4526:1984)
TC 107	ISO/DIS 6158.3	Metallic coatings - Electrodeposited coatings of chromium for engineering purposes (Revision of ISO 6158:1984)
TC 111	ISO/DIS 2415	Forged shackles for general lifting purposes - Dee shackles and bow shackles (Revision of ISO 2415:1987)
TC 111	ISO/DIS 16798	Links for use with steel chains of grade 8
TC 127	ISO/DIS 10570	Earth-moving machinery - Articulated frame lock - Performance requirements (Revision of ISO 10570:1992)
TC 147	ISO/DIS 8692	Water quality - Freshwater algal growth inhibition test with unicellular green algae (Revision of ISO 8692:1989)

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TC 159	ISO/DIS 7933	Ergonomics of the thermal environment - Analytical determination and interpretation of heat stress using calculation of the predicted heat strain (Revision of ISO 7933:1989)
TC 159	ISO/DIS 15265	Ergonomics of the thermal environment - Risk assessment strategy for the prevention of stress or discomfort in thermal working conditions
TC 171	ISO/DIS 446	Micrographics - ISO character and ISO test chart No. 1 - Description and use (Revision of ISO 446:1991)
TC 172	ISO/DIS 17123-5.2	Optics and optical instruments - Field procedures for testing geodetic and surveying instruments - Part 5: Electronic tacheometers
TC 173	ISO/DIS 7176-24	Wheelchairs - Part 24: Requirements and test methods for user-operated stair-climbing devices
TC 188	ISO/DIS 12402-10	Personal flotation devices - Part 10: Selection and application of flotation devices and other relevant devices (Revision of ISO/WD 17061)
TC 188	ISO/DIS 12402-7	Personal flotation devices - Part 7: Materials and components - Safety requirements and test methods
TC 206	ISO/DIS 18753	Fine ceramics(advanced ceramics, advanced technical ceramics) - Determination of absolute density of ceramic powders by pycnometer
TC 206	ISO/DIS 20808	Fine ceramics(advanced ceramics, advanced technical ceramics) - Determination of friction and wear characteristics of monolithic ceramics by ball-on-disc method
TC 209	ISO/DIS 14644-3	Cleanrooms and associated controlled environments - Part 3: Metrology and test methods
TC 211	ISO/DIS 19104	Geographic information - Terminology
TC 211	ISO/DIS 19116	Geographic information - Positioning services
TC 211	ISO/DIS 19118	Geographic information - Encoding
JTC 1	ISO/IEC DIS 16085	Information technology - Software life cycle processes - Risk management
TC 10	ISO/FDIS 128-1	Technical drawings - General principles of presentation - Part 1: Introduction and index (Revision of ISO 128:1982)
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TC 20	ISO/FDIS 14711	Space systems - Unmanned mission operations concepts - Guidelines for defining and accessing concept products
TC 34	I S O / F D I S 15788-2	Animal and vegetable fats and oils - Determination of stigmastadienes in vegetable oils - Part 2: Method using high-performance liquid chromatography(HPLC)
TC 35	ISO/FDIS 3251	Paints, varnishes and plastics - Determination of non-volatile-matter content (Revision of ISO 3251:1993, ISO 1625:1998, ISO 8618:1995)
TC 42	ISO/FDIS 1222	Photography - Tripod connections (Revision of ISO 1222:1987)
TC 42	IEC 61966-2-1/ FDAm1	Multimedia systems and equipment - Colour measurement and management - Part 2-1: Colour management - Default RGB colour space - sRGB - Amendment 1
TC 42	IEC/FDIS 61966-2-2	Multimedia systems and equipment - Colour measurement and management - Part 2-2: Colour management - Extended RGB colour space - scRGB
TC 43	ISO 7779:1999/ FDAm1	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment - Amendment 1: Noise measurement specification for CD/DVD-ROM drives
TC 44	ISO/FDIS 9692-4	Welding and allied processes - Recommendations for joint preparation - Part 4: Clad steels
TC 61	ISO 4586-2: 1997/FDAmd 6	High-pressure decorative laminates - Sheets made from thermosetting resins - Part 2: Determination of properties - Amendment 6: Resistance to wet heat
TC 67	ISO/FDIS 13679	Petroleum and natural gas industries - Procedures for testing casing and tubing connections
TC 69	ISO/FDIS 11843-3	Capability of detection - Part 3: Methodology for determination of the critical value for the response variable when no calibration data are used
TC 106	ISO/FDIS 7494-2	Dentistry - Dental units - Part 2: Water and air supply
TC 119	ISO/FDIS 14168	Metallic powders, excluding hardmetals - Method for testing copper-base infiltrating powders
TC 138	ISO/FDIS 3126	Plastics piping systems - Plastics components - Determination of dimensions (Revision of ISO 3126:1974)

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TC 138	ISO/FDIS 9080	Plastics piping and ducting systems - Determination of the long-term hydrostatic strength of thermoplastics materials in pipe form by extrapolation (Revision of ISO/TR 9080:1992)
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TC 171	ISO/FDIS 10196	Document imaging applications - Recommendations for the creation of original documents (Revision of ISO 10196:1990)
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TC 188	ISO/FDIS 15084	Small craft - Anchoring, mooring and towing - Strong points
TC 194	ISO/FDIS 14155-1	Clinical investigation of medical devices for human subjects - Part 1: General requirements (Revision of ISO 14155:1996)
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JTC 1	ISO/IEC FDIS 19761	Software engineering - COSMIC-FFP - A functional size measurement method
JTC 1	ISO/IEC FDIS 21000-2	Information technology - Multimedia framework (MPEG-21) - Part 2: Digital Item Declaration
IIR	ISO/FDIS 3581	Welding consumables - Covered electrodes for manual metal arc welding of stainless and heat-resisting steels - Classification (Revision of ISO 3581:1976)

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3	IEC 606 17	Graphical symbols for diagrams - Change request C00096: New symbols S01448, S01449, S01450, S01451, S01452 and S01453 for installation diagrams and network maps
3	IEC 606 17	Graphical symbols for diagrams - Change request C00079: Withdrawal of symbols S00224, S00225, S00249, S00250, S00251, S00252
3	IEC 606 17	Graphical symbols for diagrams - Change request C00081: Withdrawal of symbols S00962, S00963, S00964, S00969, S00970, S00971 and S00974. New symbol S01417
3	IEC 606 17	Graphical symbols for diagrams - Change request C00075: Symbols S01414 and S01415
18		Electrical installations in ships Part 508: Switchgear and controlgear assemblies for rated voltages above 1kV and up to and including 15kV
23A	IEC 61386-24 Ed. 1	Conduit systems for Cable management Part 24: Particular requirement for conduit systems buried underground
34C	IEC 61347-2-3 A1 Ed.1	Lamp controlgear - Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps
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65B	61131-2 Ed. 2	Programmable controllers - Part 2: Equipment requirements and tests
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86C	IEC 62148-3 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 3: SFF MF-RJ 20-pin transceivers
86C	IEC 62148-5 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 5: SC 1x9 fibre optic modules
86C	IEC 62148-7 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 7: SFF LC 10-pin transceivers
86C	IEC 62148-8 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 8: SFF LC 20-pin transceivers

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86C	IEC 62148-9 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 9: SFF MU duplex 10-pin transceivers
86C	IEC 62148-10 Ed 1.0	Fibre optic active components and devices - Package and interface standards - Part 10: SFF MU duplex 20-pin transceivers
9	IEC 60077-4	Railway applications - Electric equipment for rolling stock - Part 4: Electrotechnical components - Rules for AC circuit-breakers
9	IEC 62128-2	Railway applications - Fixed installations - Part 2: Protective provisions against the effects of stray currents caused by d.c. traction systems
9	IEC 62236-1	Railway applications - Electromagnetic compatibility - Part 1: General
14	IEC 60214-1	Tap-changers - Part 1: Performance requirements and test methods
35	IEC 60086-2, Ed.10	Standardisation of CR15H270; Deletion of BR17345 and PR43; Application tests for LR6, R6, LR03, R03, LR14, R14, LR20, R20, 6LR61 and 6F22 batteries; MAD value for R1
47	IEC 60749-21	Semiconductor Devices - Mechanical and climatic test methods, Part 21: Solderability
77A	IEC 61000-4-30 Ed.1	Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods
15C	IEC 60684-3-229, Ed. 1	Flexible insulating sleeving - Part 3: Specifications for individual types of sleeving - Sheet 229: Heat-shrinkable semi-flexible, polyvinylidene fluoride sleeving, flame retarded, fluid resistant, shrink ratio 2:1
47	IEC 60749-36 Ed.1	Semiconductor devices - Mechanical and climatic test methods - Part 36: Acceleration, steady state
47C	IEC 61988-2-2, Ed.1	Plasma Display Panels - Part 2-2: Measuring methods - Optoelectrical
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62A	ISO 14971 Am 1 Ed. 1	Medical devices - Application of risk management to medical devices
62D		Medical electrical equipment - Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors
65B	61131-2 Ed. 2	Programmable controllers - Part 2: Equipment requirements and tests
72	IEC 60730-2-9 Ed. 2	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls
3	IEC 60617	Graphical symbols for diagrams - Change request C00079: Withdrawal of symbols S00224, S00225 Supersedes document 3/649/FDIS
17B	IEC 60947-5-2, Ed.2.0	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches
34B	IEC 60061	Lamp caps and holders together with gauges for the control of interchangeability and safety Part 2: Holders Amendment 30 Part 3: Gauges Amendment 32 - R7s and RX7s amendments
35	IEC 62281, Ed.1	Safety of primary and secondary lithium cells and batteries during transport
47	IEC 60749-17, Ed.1	Semiconductor devices - Mechanical and climatic test methods - Part 17: Neutron irradiation
59G	IEC 60661 Ed. 2.0	Methods for measuring the performance of electric household coffee makers.
61	IEC 60335-2-9 Ed. 5.0	Particular requirements for grills toasters and similar portable cooking appliances
61E	IEC 60335-2-99 Ed. 1.0	Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods
61F	IEC 60745-2-12 Ed. 2.0	Hand-held motor-operated electric tools - Safety - Part 2-12: Particular requirements for concrete vibrators
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86C	IEC 61290-11-1 Ed. 1.0	Optical Amplifier Test Methods - Part 11-1: Polarization mode dispersion - Jones matrix eigenanalysis method (JME)

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