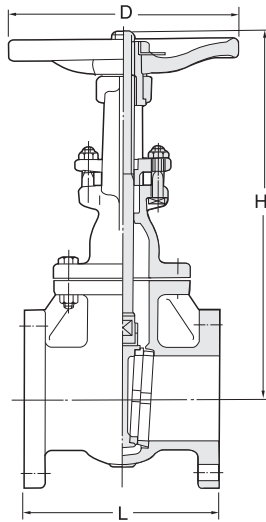


JIS 10K

## 铸铁法兰闸阀 (明杆式)

Cast Iron Gate Valve (Outside screw & yoke, rising stem) Flanged ends

10FCL  
10FCLS  
10FCLU



### ■ 最高工作压力 [Maximum Working Pressure]

120℃ 均衡水流 [120℃ Non-shock water]		1.37MPa(13.7bar) DN350~.....0.98MPa(9.8bar)
120℃ 水, 油, 空气 [120℃ Water, Oil, Air]		0.98MPa(9.8bar) DN350~.....0.86MPa(8.6bar)
120℃ 燃气 [120℃ Gas]		0.20MPa (2.0bar)
饱和蒸气 [Saturated steam]		0.69MPa (6.9bar)

### ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	灰铸铁 FC200 [Cast iron FC200]
阀盖 [Bonnet]	灰铸铁 FC200 [Cast iron FC200]
阀杆 [Stem]	黄铜* <sup>1</sup> /13%Cr-不锈钢* <sup>2</sup> 304型-不锈钢* <sup>3</sup> [Forged brass* <sup>1</sup> /13%Cr Stainless steel* <sup>2</sup> / 304 Type Stainless steel* <sup>3</sup> ]
闸板 [Disc]	灰铸铁 FC200 [Cast iron FC200]
填料 [Gland packing]	强化聚四氟乙烯 [Aramid fiber PTFE]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	青铜* <sup>1</sup> /13%Cr-不锈钢* <sup>2</sup> 304型-不锈钢* <sup>3</sup> [Cast bronze* <sup>1</sup> /13%Cr Stainless steel* <sup>2</sup> / 304 Type Stainless steel* <sup>3</sup> ]
阀座防漏垫圈 [Disc seat ring]	青铜* <sup>1</sup> /13%Cr-不锈钢* <sup>2</sup> 304型-不锈钢* <sup>3</sup> [Cast bronze* <sup>1</sup> /13%Cr Stainless steel* <sup>2</sup> / 304 Type Stainless steel* <sup>3</sup> ]
手轮 [Handwheel]	灰铸铁 (DN40 - DN200)/ 球墨铸铁 (DN250以上) [Cast iron(DN40 - DN200)/ Ductile iron(DN250 and over)]

\*1=10FCL \*2=10FCLS \*3=10FCLU

(mm)

### ■ 尺寸 [Dimensions]

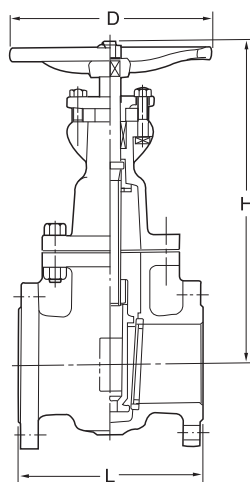
DN	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
	inch	1½	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
L		165	180	190	200	230	250	270	290	330	350	381	406	432	457	508
H (全开 Open)		306	343	389	462	547	648	759	956	1168	630	1560	1795	1995	2230	2640
D		160	170	170	200	250	280	300	350	4300	300	500	600	600	680	760

PN16

## 铸铁法兰闸阀 (暗杆式)

Cast Iron Gate Valve (Non-rising stem) Flanged ends to BS EN 1092-2 PN16

16FCW



### ■ 最高工作压力 [Maximum Working Pressure]

120℃ 压力变动小的水·油·气 [120℃ W.O.G.non-shock]		1.6MPa(16bar)
饱和蒸气 [Saturated steam]		0.2MPa (2bar)

### ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	灰铸铁 FC200 [Cast iron FC200]
阀盖 [Bonnet]	灰铸铁 FC200 [Cast iron FC200]
阀杆 [Stem]	黄铜 C3771BD [Forged brass C3771BD]
闸板 [Disc]	灰铸铁 FC200 [Cast iron FC200]
填料 [Gland packing]	非石棉 [Non asbestos]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	青铜 [Cast bronze]
阀座防漏垫圈 [Disc seat ring]	青铜 [Cast bronze]
手轮 [Handwheel]	灰铸铁 [Cast iron]

■ 结构长度 [Face to face] :BS 5150

■ 连接 [Connection] :BS EN 1092-2 PN16

### ■ 尺寸 [Dimensions]

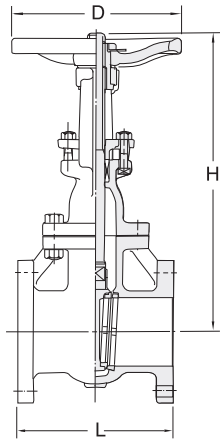
(mm)

DN	mm	50	65	80	100	125	150	200
	inch	2	2½	3	4	5	6	8
L		178	190	203	229	254	267	292
H		271	297	352	394	451	518	618
D		140	160	160	180	225	225	300

PN16

## 铸铁法兰闸阀 (明杆式)

Cast Iron Gate Valve (Outside screw &amp; yoke, rising stem) Flanged ends

125FCL  
125FCLS

## ■ 最高工作压力 [Maximum Working Pressure]

120℃压力变动小的水·油·气 [120℃ W.O.G.non-shock]	1.6MPa(16bar) DN350~.....1.0MPa(10bar)
饱和蒸气 [Saturated steam]	0.9MPa(9bar) DN350~.....0.7MPa(7bar)

## ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	灰铸铁 FC200 [Cast iron FC200]
阀盖 [Bonnet]	灰铸铁 FC200 [Cast iron FC200]
阀杆 [Stem]	黄铜*1/ C3771BD 13%Cr不锈钢*2 SUS403 [Forged brass*1/ C3771BD 13%Cr Stainless steel*2 SUS403]
闸板 [Disc]	灰铸铁 A126-B [Cast iron A126-B]
填料 [Gland packing]	非石棉 [Non asbestos]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	青铜*1/ 13%Cr不锈钢*2 [Cast bronze*1/ 13%Cr Stainless steel*2]
阀座防漏垫圈 [Disc seat ring]	青铜*1/ 13%Cr不锈钢*2 [Cast bronze*1/ 13%Cr Stainless steel*2]
手轮 [Handwheel]	灰铸铁 (DN50 - DN250)/ 球墨铸铁 (DN300以上) [Cast iron(DN50 - DN250)/ Ductile iron(DN300 and over)]

\*1=125FCL \*2=125FCLS

## ■ 尺寸 [Dimensions]

(mm)

DN	mm	50	65	80	100	125	150	200	250	300	350
	inch	2	2½	3	4	5	6	8	10	12	14
L		178	190	203	229	254	267	292	330	356	381
H (全开 Open)		328	382	436	532	627	726	919	1134	1363	1560
D		160	170	170	225	225	250	280	350	450	500

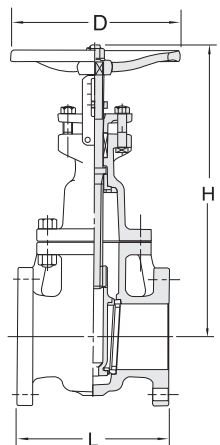
\*350mm为PN10 [350mm=PN10]

PN16

## 铸铁法兰闸阀 (暗杆式连开闭指示器)

Cast Iron Gate Valve (Non-rising stem with Indicator) Flanged ends

125FCWI



## ■ 最高工作压力 [Maximum Working Pressure]

120℃压力变动小的水·油·气 [120℃ W.O.G.non-shock]	1.6MPa(16bar)
饱和蒸气 [Saturated steam]	0.2MPa (2bar)

## ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	灰铸铁 A126-B [Cast iron A126-B]
阀盖 [Bonnet]	灰铸铁 A126-B [Cast iron A126-B]
阀杆 [Stem]	黄铜 C3771BD [Forged brass C3771BD]
闸板 [Disc]	灰铸铁 A126-B [Cast iron A126-B]
填料 [Gland packing]	非石棉 [Non asbestos]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	青铜 [Cast bronze]
阀座防漏垫圈 [Disc seat ring]	青铜 [Cast bronze]
手轮 [Handwheel]	灰铸铁 [Cast iron]

## ■ 尺寸 [Dimensions]

(mm)

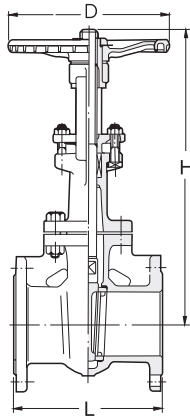
DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L		178	190	203	229	254	267	292	330	356
H		250	285	350	400	465	515	630	760	870
D		140	160	160	180	225	225	300	350	350

## ANSI Class150 〔PN16〕

## 球墨铸铁法兰闸阀 (明杆式)

Ductile Iron Gate Valve (Outside screw & yoke, rising stem) Flanged ends

### 150SMBO



#### ■ 最高工作压力 [Maximum Working Pressure]

-5℃ ~ 38℃水, 油, 气	〔-5℃ ~ 38℃ W.O.G.〕	1.73MPa (17.3bar)
149℃水, 油, 气	〔149℃ W.O.G.〕	1.48MPa (14.8bar)
260℃水, 油, 气	〔260℃ W.O.G.〕	1.17MPa (11.7bar)
343℃水, 油, 气	〔343℃ W.O.G.〕	0.86MPa (8.6bar)

#### ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	球墨铸铁FCD-S [Ductile iron FCD-S]
阀盖 [Bonnet]	球墨铸铁FCD-S [Ductile iron FCD-S]
阀杆 [Stem]	13%Cr不锈钢SUS403 [13%Cr Stainless steel SUS403]
闸板 [Disc]	13%Cr不锈钢(DN40 ~ DN200)/ 碳素钢(DN250)/ 铸钢(DN300) [13%Cr Stainless steel(DN40 ~ DN200)/ Carbon steel(DN250)/ Cast steel(DN300)]
填料 [Gland packing]	非石棉 [Non asbestos]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	13%Cr不锈钢 [13%Cr Stainless steel]
手轮 [Handwheel]	球墨铸铁 [Ductile iron]

#### ■ 尺寸 [Dimensions]

(mm)

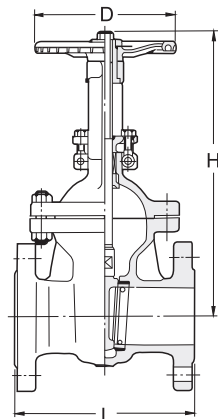
DN	mm	40	50	65	80	100	125	150	200	250	300
	inch	1½	2	2½	3	4	5	6	8	12	14
L		165	178	190	203	229	254	267	292	330	356
H (全开Open)		300	352	408	473	566	667	779	993	1181	1404
D		160	200	200	250	250	300	300	350	400	450

## Class300 〔PN25〕

## 球墨铸铁法兰闸阀 (明杆式)

Ductile Iron Gate Valve (Outside screw & yoke, rising stem) Flanged ends

### 300SLBO



#### ■ 最高工作压力 [Maximum Working Pressure]

-5℃ ~ 38℃水, 油, 气	〔-5℃ ~ 38℃ W.O.G.〕	2.94MPa (29.4bar)
149℃水, 油, 气	〔149℃ W.O.G.〕	2.60MPa (26.0bar)
260℃水, 油, 气	〔260℃ W.O.G.〕	2.28MPa (22.8bar)
350℃水, 油, 气	〔360℃ W.O.G.〕	2.04MPa (20.4bar)

#### ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	球墨铸铁FCD-S [Ductile iron FCD-S]
阀盖 [Bonnet]	球墨铸铁FCD-S [Ductile iron FCD-S]
阀杆 [Stem]	13%Cr不锈钢SUS403 [13%Cr Stainless steel SUS403]
闸板 [Disc]	13%Cr不锈钢(DN50 ~ DN150)/ 铸钢(DN200以上) [13%Cr Stainless steel(DN50 ~ DN150)/ Cast steel(DN200 and over)]
填料 [Gland packing]	非石棉 [Non asbestos]
垫片 [Gasket]	非石棉 [Non asbestos]
阀体防漏垫圈 [Body seat ring]	13%Cr不锈钢 [13%Cr Stainless steel]
手轮 [Handwheel]	球墨铸铁 [Ductile iron]

#### ■ 尺寸 [Dimensions]

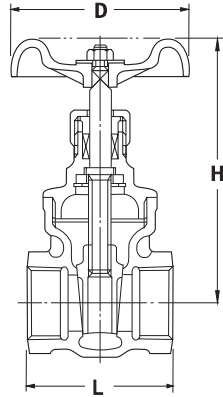
(mm)

DN	mm	50	65	80	100	125	150	200	250	300
	inch	2	2½	3	4	5	6	8	10	12
L		216	241	283	305	381	403	419	457	502
H		395	450	520	595	725	820	1070	1247	1451
D		200	200	250	250	300	350	400	450	500

PN16

## 不锈钢丝扣闸阀 (暗杆式)

Stainless steel Gate Valve (Non-rising stem) Threaded ends to BS21

UEL  
UELM

## ■ 最高工作压力 [Maximum Working Pressure]

120℃压力变动小的水·油·气 [120℃ W.O.G.non-shock]	1.6MPa(16bar)
饱和蒸气 [Saturated steam]	0.9MPa (9bar)

## ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	不锈钢* [Stainless steel] *
阀盖 [Bonnet]	不锈钢* [Stainless steel] *
阀杆 [Stem]	不锈钢* [Stainless steel] *
闸板 [Disc]	不锈钢* [Stainless steel] *
填料 [Gland packing]	非石棉 [Non asbestos]
手轮 [Handwheel]	锌(压铸)(DN15 ~ DN20)/ 铝(压铸)(DN25以上) [Zinc die-cast(DN15 ~ DN20)/ Aluminum die cast(DN25 and over)]

\*UEL=304型(304Type). UELM=316型(316 Type)

## ■ 尺寸 [Dimensions]

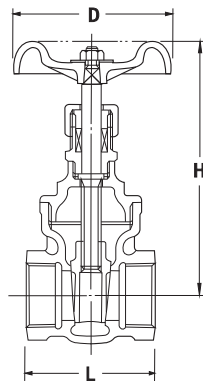
(mm)

DN	mm	15	20	25	32	40	50
	inch	1/2	3/4	1	1 1/4	1 1/2	2
L		54	58	65	74	78	87
H		96	101	112	123	150	167
D		70	70	80	80	100	100

PN16

## 不锈钢丝扣闸阀 (暗杆式)

Stainless Steel Gate Valve (Non-rising stem) Threaded ends to BS21

UE  
UEM

## ■ 最高工作压力 [Maximum Working Pressure]

120℃压力变动小的水·油·气 [120℃ W.O.G.non-shock]	1.6MPa(16bar)
饱和蒸气 [Saturated steam]	0.9MPa (9bar)

## ■ 材质 [Materials]

零件 [Parts]	材质 [Material]
阀体 [Body]	不锈钢* [Stainless steel] *
阀盖 [Bonnet]	不锈钢* [Stainless steel] *
阀杆 [Stem]	不锈钢* [Stainless steel] *
闸板 [Disc]	不锈钢* [Stainless steel] *
填料 [Gland packing]	非石棉 [Non asbestos]
手轮 [Handwheel]	铝(压铸)(DN65、DN80)/ 球墨铸铁(压铸)(DN100) [Aluminum die-cast (DN65, DN80)/ Ductile iron(DN100)]

\*UE=304型(304Type). UEM=316型(316 Type)

## ■ 尺寸 [Dimensions]

(mm)

DN	mm	65	80	100
	inch	2 1/2	3	4
L		115	130	155
H		248	275	315
D		135	155	200

针对青铜脱锌腐蚀现象，KITZ 研究出K-合金来代替青铜用作 KITZ 青黄铜阀门杆材料。以下是K-合金与B124、B16、B62及其它防脱锌材料在抗拉强度、硬度、腐蚀度和脱锌度上的比较表。从表中能明显看出K合金的综合优势，并且能够理解为什么KITZ青黄铜阀门具有优性能和长寿命。

腐蚀度和脱锌度是两周试验过后得出的数值记录。脱锌度试验是应用澳大利亚标准C-316而进行的。

To combat dezincification, KITZ developed "K-Metal," to make stems of all KITZ bronze / brass valves instead of bronze. The chart below compare K-Metal with B124, B16, B62, and a competitor's dezincification material, Compared are tensile strength, corrosion quantity, hardness, and dezincification. The comparisons clearly show K-Metal's overall superiority and explain why KITZ bronze / brass valves provide superior performance and give longer life. Corrosion quantity and dezincification depth compared here are the values recorded after two weeks, Australian Standard C-316 was applied to the test of dezincification depth.

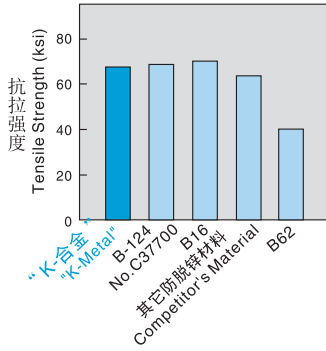


Fig.1 抗拉强度比较表  
Compared tensile strength

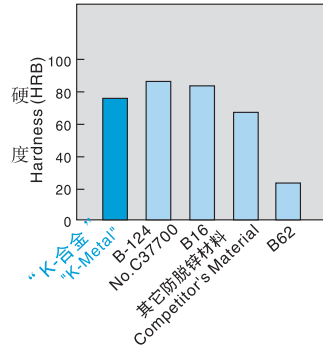


Fig.2 硬度比较表  
Compared hardness

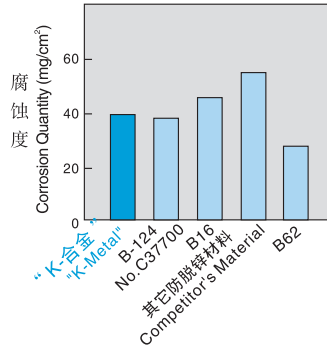


Fig.3 腐蚀度比较表  
Compared corrosion quantity  
(1 mg/cm²=0.014mlb/in²)

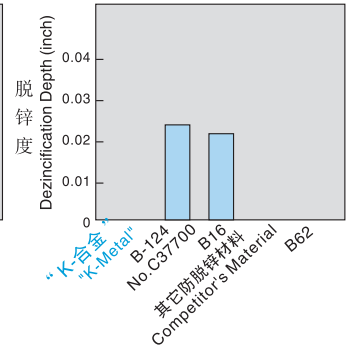


Fig.4 脱锌度比较表  
Compared dezincification depth (to AS C316)

饱和蒸气的温度、压力对照表 Temperature V.S Pressure Table for Saturated-Vapour

温度基准 Temperature			绝对压力基准 Pressure(abs.)			计示压力基准 Pressure(G)		
温度 Temperature °C	绝对饱和压力 Pressure(abs.) MPa (kgf/cm²)	饱和计示压力 Pressure(G) MPa (kgf/cm²)	绝对压力 Pressure(abs.) MPa (kgf/cm²)	计示压力 Pressure(G) MPa (kgf/cm²)	饱和温度 Saturation Temperature °C	计示压力 Pressure(G) MPa (kgf/cm²)	绝对压力 Pressure(abs.) MPa (kgf/cm²)	饱和温度 Saturation Temperature °C
70	0.03(0.32)	-0.07(-10.71)	0.09(1)	-0.01(-0.03)	99.1	0 (0)	0.10(1.03)	100.0
80	0.05(0.48)	-0.05(-0.55)	0.19(2)	0.09(0.97)	119.6	0.09(1)	0.19(2.03)	120.1
90	0.07(0.71)	-0.03(-0.32)	0.29(3)	0.19(1.97)	132.9	0.19(2)	0.29(3.03)	133.2
100	0.10(1.03)	0 (0)	0.39(4)	0.29(2.97)	142.9	0.29(3)	0.39(4.03)	143.2
110	0.14(1.46)	0.04(0.43)	0.49(5)	0.39(3.97)	151.1	0.39(4)	0.49(5.03)	151.3
120	0.19(2.02)	0.09(0.99)	0.58(6)	0.48(4.97)	158.1	0.49(5)	0.59(6.03)	158.3
130	0.26(2.75)	0.16(1.72)	0.68(7)	0.58(5.97)	164.2	0.58(6)	0.68(7.03)	164.3
140	0.36(3.68)	0.26(2.65)	0.78(8)	0.68(6.97)	169.6	0.68(7)	0.78(8.03)	169.8
150	0.47(4.85)	0.37(3.82)	0.88(9)	0.78(7.97)	174.5	0.78(8)	0.88(9.03)	174.7
160	0.60(6.30)	0.51(5.27)	0.98(10)	0.88(8.97)	179.0	0.88(9)	0.98(10.03)	179.3
170	0.79(8.08)	0.69(7.05)	1.17(12)	1.07(10.97)	187.1	0.98(10)	1.08(11.03)	183.2
180	1.00(10.22)	0.90(9.19)	1.37(14)	1.27(12.97)	194.1	1.17(12)	1.27(13.03)	190.0
190	1.25(12.80)	1.15(11.77)	1.56(16)	1.46(14.97)	200.4	1.37(14)	1.47(15.03)	197.4
200	1.55(15.86)	1.45(14.83)	1.76(18)	1.66(16.97)	206.4	1.56(16)	1.66(17.03)	203.4
210	1.90(19.46)	1.80(18.43)	1.96(20)	1.86(18.97)	211.4	1.78(18)	1.86(19.03)	208.9
220	2.32(23.66)	2.21(22.63)	2.45(25)	2.35(23.97)	222.9	1.96(20)	2.06(21.03)	213.8
230	2.79(28.53)	2.69(27.50)	2.94(30)	2.84(28.97)	232.8	2.45(25)	2.55(26.03)	223.8
240	3.34(34.14)	3.24(33.11)	3.43(35)	3.33(33.97)	241.4	2.94(30)	3.04(31.03)	234.5
250	3.97(40.56)	3.87(39.53)	3.92(40)	3.82(38.97)	249.2	3.92(40)	4.02(41.03)	250.6
260	4.66(47.87)	4.56(46.84)	4.90(50)	4.80(48.97)	262.7	4.90(50)	5.00(51.03)	263.9
270	5.50(56.14)	5.40(55.11)	5.88(60)	5.78(58.97)	274.3	5.88(60)	5.98(61.03)	275.3
280	6.41(65.46)	6.31(64.43)	6.86(70)	6.76(68.97)	284.5	6.86(70)	6.96(71.03)	285.4
290	7.44(75.92)	7.34(74.89)	7.84(80)	7.74(78.97)	293.6	7.84(80)	7.94(81.03)	294.5
300	8.59(87.61)	8.49(86.58)	8.82(90)	8.72(88.97)	301.9	8.82(90)	8.92(91.03)	302.7
310	9.87(100.7)	9.77(99.67)	9.80(100)	9.70(98.97)	309.5	9.80(100)	9.90(101.0)	310.9
320	11.28(115.1)	11.18(114.1)	11.76(120)	11.66(119.0)	323.1	11.76(120)	11.86(121.0)	323.8
330	12.86(131.2)	12.76(130.2)	13.72(140)	13.62(139.0)	335.1	13.72(140)	13.82(141.0)	335.6
340	14.61(149.0)	14.51(147.0)	15.69(160)	15.59(159.0)	345.7	15.69(160)	15.79(161.0)	346.2
350	16.47(168.6)	16.37(167.6)	17.65(180)	17.55(179.0)	355.4	17.65(180)	17.75(181.0)	355.8
360	18.77(191.4)	18.67(190.4)	19.61(200)	19.51(199.0)	364.1	19.61(200)	19.71(201.0)	364.5
370	21.15(215.7)	21.05(214.7)	21.57(220)	21.47(219.0)	372.0	21.57(220)	21.67(221.0)	372.5