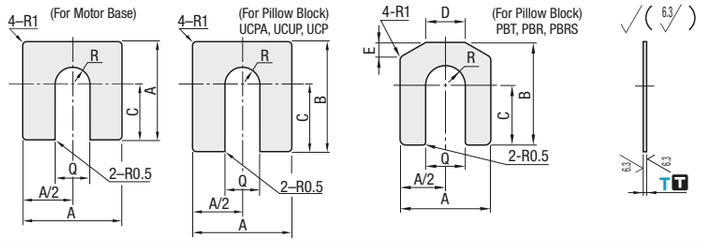
# Square Shims
## For Motor Base / For Pillow Block

■ For Motor Base
■ For Pillow Block



RoHS

| Type | | Material | Hardness | Thickness (T) Tolerance | | | | |
|---|---|---|---|---|---|---|---|---|
| For Motor Base | For Pillow Block | | | 0.05 | 0.1 | 0.2 | 0.5 | 1.0 |
| CIMMS | CIMSS | EN 1.4301 Equiv. | 370~430HV | ±0.005 | ±0.02 | ±0.03 | ±0.04 | ±0.05 |
| CIMMB | CIMSB | Brass (EN CW505L Equiv. or EN CW507L Equiv.) | - | ±0.005 | ±0.02 | ±0.03 | ±0.05 | ±0.08 |
| CIMM | CIMSN | EN 1.0330 Equiv. | - | - | ±0.03 | ±0.03 | ±0.06 | ±0.11 |




■ For Motor Base

| Part Number Type | No. | T Selection | A | C | Q | Unit Price CIMMS T0.05 | CIMMS T0.1 | CIMMS T0.2 | CIMMS T0.5 | CIMMS T1.0 | CIMMB T0.05 | CIMMB T0.1 | CIMMB T0.2 | CIMMB T0.5 | CIMMB T1.0 | CIMM T0.1 | CIMM T0.2 | CIMM T0.5 | CIMM T1.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIMMS CIMMB CIMM | 1035 | (0.05) For CIMMB and CIMMS only; 0.1; 0.2; 0.5; 1.0 | 10 | 5 | 3.5 | | | | - | - | - | - | - | - | - | - | - | - | - |
| | 1245 | | 12 | 6 | 4.5 | | | | - | - | - | - | - | - | - | - | - | - | - |
| | 1455 | | 14 | 7 | 5.5 | | | | - | - | - | - | - | - | - | - | - | - | - |
| | 1665 | | 16 | 8 | 6.5 | | | | - | - | - | - | - | - | - | - | - | - | - |
| | 2009 | | 20 | 10 | 9 | | | | | | | | | | | | | | |
| | 3013 | | 30 | 15 | 13 | | | | | | | | | | | | | | |
| | 4312 | | 43 | 22 | 12 | | | | | | | | | | | | | | |
| | 4814 | | 48 | 24 | 14 | | | | | | | | | | | | | | |
| | 5314 | | 53 | 27 | 14 | | | | | | | | | | | | | | |
| | 6816 | | 68 | 34 | 16 | | | | | | | | | | | | | | |
| | 8320 | | 83 | 42 | 20 | | | | | | | | | | | | | | |
| | 9825 | | 98 | 49 | 25 | | | | | | | | | | | | | | |
| | 11830 | | 118 | 54 | 30 | | | | | | | | | | | | | | |
| | 20036 | | 200 | 100 | 36 | | | | | | | | | | | | | | |

■ For Pillow Block

| Part Number Type | No. | T Selection | A | B | C | Q | D | E | Applicable Pillow Block | Unit Price CIMSS T0.05 | CIMSS T0.1 | CIMSS T0.2 | CIMSS T0.5 | CIMSS T1.0 | CIMSB T0.05 | CIMSB T0.1 | CIMSB T0.2 | CIMSB T0.5 | CIMSB T1.0 | CIMSN T0.1 | CIMSN T0.2 | CIMSN T0.5 | CIMSN T1.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CIMSS CIMSB CIMSN | 10 | (0.05) For CIMSS and CIMSB only; 0.1; 0.2; 0.5; 1.0 | 16 | 17.5 | 10.5 | 7 | 7 | 2 | PBT10, PBR10, PBRS10 | | | | | | - | - | - | - | - | - | - | - | - |
| | 12 | | 16 | 18 | 10.5 | 7 | 7 | 2.5 | PBT12, PBR12, PBRS12 | | | | | | - | - | - | - | - | - | - | - | - |
| | 15 | | 16 | 20 | 11.5 | 7 | 7 | 2.5 | PBT15, PBR15, PBRS15 | | | | | | - | - | - | - | - | - | - | - | - |
| | 17 | | 18 | 21 | 12 | 7 | 8 | 2.5 | PBT17, PBR17, PBRS17 | | | | | | - | - | - | - | - | - | - | - | - |
| | 20 | | 20 | 24.5 | 14.5 | 10 | 10 | 3 | PBT20, PBR20, PBRS20 | | | | | | - | - | - | - | - | - | - | - | - |
| | 25 | | 20 | 27.5 | 16.5 | 10 | 10 | 3 | PBT25, PBR25, PBRS25 | | | | | | - | - | - | - | - | - | - | - | - |
| | 30 | | 26 | 33 | 20 | 13 | 13 | 4 | PBT30, PBR30, PBRS30 | | | | | | - | - | - | - | - | - | - | - | - |
| | 204A | | 40 | 27 | 15 | 13 | - | - | UCPA204 UCUP204 | | | | | | | | | | | | | | |
| | 205A | | 45 | 30 | 16 | 13 | - | - | UCPA205 UCUP205 | | | | | | | | | | | | | | |
| | 206A | | 50 | 36 | 22 | 17 | - | - | UCPA206 UCUP206 | | | | | | | | | | | | | | |
| | 207A | | 55 | 41 | 26 | 17 | - | - | UCPA207 UCUP207 | | | | | | | | | | | | | | |
| | 208A | | 58 | 41 | 25 | 17 | - | - | UCPA208 UCUP208 | | | | | | | | | | | | | | |
| | 204 | | 38 | 42 | 26 | 13 | - | - | UCP-204 | | | | | | | | | | | | | | |
| | 205 | | 38 | 42 | 25 | 13 | - | - | UCP-205 | | | | | | | | | | | | | | |
| | 206 | | 48 | 54 | 32 | 17 | - | - | UCP-206 | | | | | | | | | | | | | | |
| | 207 | | 48 | 54 | 34 | 17 | - | - | UCP-207 | | | | | | | | | | | | | | |
| | 208 | | 54 | 58 | 35 | 17 | - | - | UCP-208 | | | | | | | | | | | | | | |
| | 209 | | 54 | 60 | 38 | 17 | - | - | UCP-209 | | | | | | | | | | | | | | |
| | 210 | | 60 | 65 | 42 | 20 | - | - | UCP-210 | | | | | | | | | | | | | | |

Ordering Example

| Part Number | - | T |
|---|---|---|
| CIMM2009 | - | 0.5 |
| CIMSN204A | - | 0.1 |

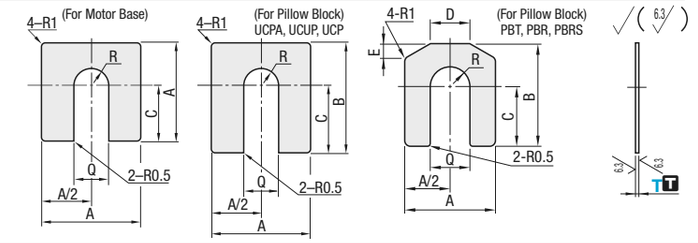
# Square Shim Package / Square Shims (Adjustment)
## For Motor Base / For Pillow Block

■ Sold by the package (1 pack=10 pcs.)



RoHS

| Type | | Material | Hardness | Thickness (T) Tolerance | | | | |
|---|---|---|---|---|---|---|---|---|
| For Motor Base | For Pillow Block | | | 0.05 | 0.1 | 0.2 | 0.5 | 1.0 |
| PACK-CIMMS | PACK-CIMSS | EN 1.4301 Equiv. | 370~430HV | ±0.005 | ±0.02 | ±0.03 | ±0.04 | ±0.05 |




■ For Motor Base / For Pillow Block Sold by the package (1 package contains 10 pieces.)

| Part Number Type | No. | T Selection | A | B | C | Q | D | E | Unit Price T0.05 | Unit Price T0.1 | Unit Price T0.2 | Unit Price T0.5 | Unit Price T1.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| For Motor Base (EN 1.4301 Equiv.) PACK-CIMMS | 1035 | | 10 | - | 5 | 3.5 | - | - | | | | - | - |
| | 1245 | | 12 | - | 6 | 4.5 | - | - | | | | - | - |
| | 1455 | | 14 | - | 7 | 5.5 | - | - | | | | - | - |
| | 1665 | | 16 | - | 8 | 6.5 | - | - | | | | - | - |
| | 2009 | | 20 | - | 10 | 9 | - | - | | | | | |
| | 3013 | | 30 | - | 15 | 13 | - | - | | | | | |
| | 4312 | | 43 | - | 22 | 12 | - | - | | | | | |
| | 4814 | | 48 | - | 24 | 14 | - | - | | | | | |
| | 5314 | | 53 | - | 27 | 14 | - | - | | | | | |
| | 6816 | | 68 | - | 34 | 16 | - | - | | | | | |
| | 8320 | | 83 | - | 42 | 20 | - | - | | | | | |
| | 9825 | | 98 | - | 49 | 25 | - | - | | | | | |
| For Pillow Block (EN 1.4301 Equiv.) PACK-CIMSS | 10 | 0.05; 0.1; 0.2; 0.5; 1.0 | 16 | 17.5 | 10.5 | 7 | 7 | 2 | | | | | |
| | 12 | | 16 | 18 | 10.5 | 7 | 7 | 2.5 | | | | | |
| | 15 | | 16 | 20 | 11.5 | 7 | 7 | 2.5 | | | | | |
| | 17 | | 18 | 21 | 12 | 7 | 8 | 2.5 | | | | | |
| | 20 | | 20 | 24.5 | 14.5 | 10 | 10 | 3 | | | | | |
| | 25 | | 20 | 27.5 | 16.5 | 10 | 10 | 3 | | | | | |
| | 30 | | 26 | 33 | 20 | 13 | 13 | 4 | | | | | |
| | 204A | | 40 | 27 | 15 | 13 | - | - | | | | | |
| | 205A | | 45 | 30 | 16 | 13 | - | - | | | | | |
| | 206A | | 50 | 36 | 22 | 17 | - | - | | | | | |
| | 207A | | 55 | 41 | 26 | 17 | - | - | | | | | |
| | 208A | | 58 | 41 | 25 | 17 | - | - | | | | | |
| | 204 | | 38 | 42 | 26 | 13 | - | - | | | | | |
| | 205 | | 38 | 42 | 25 | 13 | - | - | | | | | |
| | 206 | | 48 | 54 | 32 | 17 | - | - | | | | | |
| | 207 | | 48 | 54 | 34 | 17 | - | - | | | | | |
| | 208 | | 54 | 58 | 35 | 17 | - | - | | | | | |
| | 209 | | 54 | 60 | 38 | 17 | - | - | | | | | |
| | 210 | | 60 | 65 | 42 | 20 | - | - | | | | | |

Ordering Example

| Part Number | - | T |
|---|---|---|
| PACK-CIMMS2009 | - | 0.5 |
| PACK-CIMSS204A | - | 0.1 |

Please specify number of packages to order.
Quantity 1 means one package.

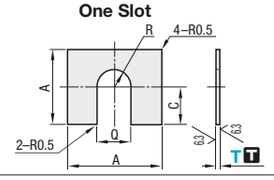
■ Adjustment Type



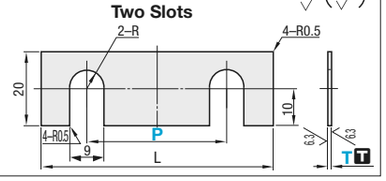
RoHS

| Type | | Material | Surface Treatment | Hardness | Thickness (T) Tolerance | |
|---|---|---|---|---|---|---|
| One Slot | Two Slots | | | | 0.5 | 1.0 |
| ASA | ASF | EN 1.0330 Equiv. | Black Oxide | - | ±0.05 | ±0.1 |
| ASAS | - | EN 1.4301 Equiv. | - | 370~430HV | | |

One Slot




Two Slots




| Part Number Type | T | No. | A | C | Q | ASA T0.5 Unit Price 1~49 pc(s). | ASA T0.5 Volume Discount Rate 50~100 | ASA T1.0 Unit Price 1~49 pc(s). | ASA T1.0 Volume Discount Rate 50~100 | ASAS T0.5 Unit Price 1~49 pc(s). | ASAS T0.5 Volume Discount Rate 50~100 | ASAS T1.0 Unit Price 1~49 pc(s). | ASAS T1.0 Volume Discount Rate 50~100 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASA ASAS | 0.5 1.0 | 1035 | 10 | 5 | 3.5 | | | | | | | | |
| | | 1245 | 12 | 6 | 4.5 | | | | | | | | |
| | | 1455 | 14 | 7 | 5.5 | | | | | | | | |
| | | 1665 | 16 | 8 | 6.5 | | | | | | | | |
| | | 2009 | 20 | 10 | 9 | | | | | | | | |

For orders larger than indicated quantity, please check with WOS.

| Part Number Type | T | P | L | Unit Price 1~49 pc(s). | Volume Discount Rate 50~100 |
|---|---|---|---|---|---|
| ASF | 0.5 | 30 | 50 | | |
| | | 40 | 60 | | |
| | | 50 | 70 | | |
| | 1.0 | 30 | 50 | | |
| | | 40 | 60 | | |
| | | 50 | 70 | | |

For orders larger than indicated quantity, please check with WOS.

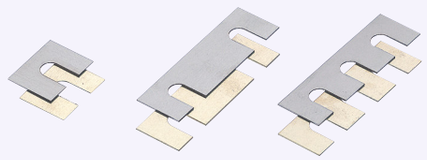
Ordering Example

| Part Number | - | No. |
|---|---|---|
| ASA0.5 | - | 1035 |

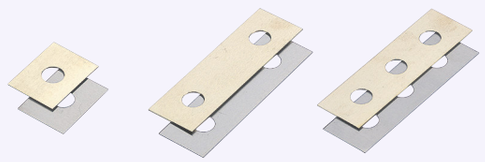
| Part Number | - | P |
|---|---|---|
| ASF0.5 | - | 30 |

# Square Shims
## Slotted Hole / Round Hole

■ Slotted



■ Round Hole

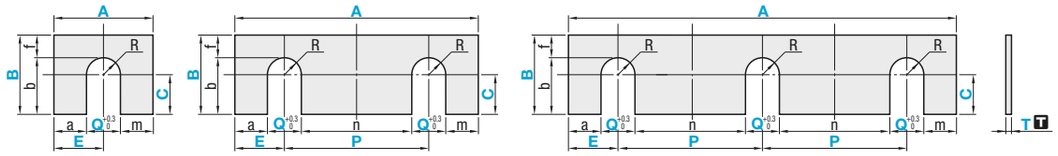


RoHS

| Part Number | | | Material | Hardness | Thickness (T) Tolerance | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| One Slot | Two Slots | Three Slots | | | 0.05 | 0.1 | 0.2 | 0.3 | 0.5 | 1.0 | 2.0 | 3.0 |
| ASAFR | ASFFR | ASCFR | EN 1.0330 Equiv. | - | - | ±0.03 | | ±0.04 | ±0.06 | ±0.11 | ±0.17 | - |
| ASAFB | ASFFB | ASCFB | Brass (EN CW505L Equiv. or EN CW507L Equiv.) | - | ±0.005 | ±0.02 | ±0.03 | ±0.04 | ±0.05 | ±0.08 | ±0.12 | ±0.15 |
| ASAFS | ASFFS | ASCFS | T=0.05~1.0 EN 1.4301 Equiv.<br>T=2.0, 3.0 EN 1.4301 Equiv. | 370~430HV<br>- | ±0.005 | ±0.02 | ±0.03 | ±0.035 | ±0.04 | ±0.05 | ±0.20 | ±0.25 |

Machining Conditions of Slotted Hole Type
- f≥3
- a≥3
- m≥3
- n≥3

One Slot / Two Slots / Three Slots




| Part Number | | | | 1mm Increment | | Selection | 0.1mm Increment | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Type | | | | A | B | T | Q | E | C | P |
| | EN 1.0330 Equiv. | Brass | EN 1.4301 Equiv.(H) | | | (0.05) | | | | For One Hole Type, specification is not necessary. |
| One Hole | ASAFR | ASAFB | ASAFS | 10~150 | 10~150 | 0.1<br>0.2<br>0.3<br>0.5<br>1.0<br>2.0<br>(3.0) | 3~31 | Q/2+3~ | 0<br>~<br>B-(Q/2+3) | |
| Two Holes | ASFFR | ASFFB | ASFFS | 16~200 | 10~200 | | | | | Q+3~ |
| Three Holes | ASCFR | ASCFB | ASCFS | | | | | | | |

For EN 1.0330 Equiv. is not available for T(0.05) and T(3.0).

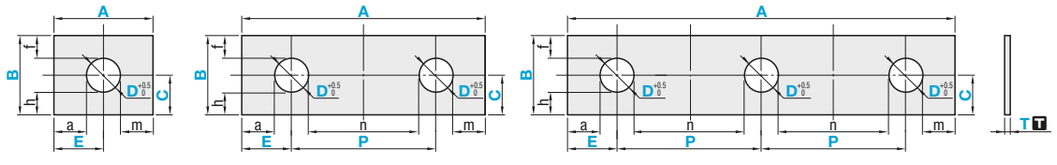
Ordering Example

| Part Number | - | A | - | B | - | T | - | Q | - | E | - | C | - | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASFFB | - | A100 | - | B25 | - | T1.0 | - | Q12 | - | E15 | - | C12 | - | P70 |

| Part Number | | | Material | Hardness | Thickness (T) Tolerance | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| One Round Hole | Two Round Holes | Three Round Holes | | | 0.05 | 0.1 | 0.2 | 0.3 | 0.5 | 1.0 | 2.0 | 3.0 |
| ASACR | ASFCR | ASCCR | EN 1.0330 Equiv. | - | - | ±0.03 | | ±0.04 | ±0.06 | ±0.11 | ±0.17 | - |
| ASACB | ASFCB | ASCCB | Brass (EN CW505L Equiv. or EN CW507L Equiv.) | - | ±0.005 | ±0.02 | ±0.03 | ±0.04 | ±0.05 | ±0.08 | ±0.12 | ±0.15 |
| ASACS | ASFCS | ASCCS | T=0.05~1.0 EN 1.4301 Equiv.<br>T=2.0, 3.0 EN 1.4301 Equiv. | 370~430HV<br>- | ±0.005 | ±0.02 | ±0.03 | ±0.035 | ±0.04 | ±0.05 | ±0.20 | ±0.25 |

Machining Conditions of Round Hole Type
- f≥2
- a≥2
- m≥2
- n≥2
- h≥2

One Round Hole / Two Round Holes / Three Round Holes




| Part Number | | | | 1mm Increment | | Selection | 0.1mm Increment | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Type | | | | A | B | T | D | E | C | P |
| | EN 1.0330 Equiv. | Brass | EN 1.4301 Equiv.(H) | | | (0.05) | | | | For One Hole Type, specification is not necessary. |
| One Hole | ASACR | ASACB | ASACS | 10~150 | 10~150 | 0.1<br>0.2<br>0.3<br>0.5<br>1.0<br>2.0<br>(3.0) | 3~100 | D/2+2~ | D/2+2<br>~<br>B-(D/2+2) | |
| Two Holes | ASFCR | ASFCB | ASFCS | 15~200 | 10~200 | | | | | D+2~ |
| Three Holes | ASCCR | ASCCB | ASCCS | | | | | | | |

For EN 1.0330 Equiv. is not available for T(0.05) and T(3.0).

Ordering Example

| Part Number | - | A | - | B | - | T | - | D | - | E | - | C | - | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ASACR | - | A50 | - | B25 | - | T0.1 | - | D7.5 | - | E25 | - | C11 | | |
| ASCCS | - | A120 | - | B15 | - | T3.0 | - | D10 | - | E15 | - | C7 | - | P45 |

■ One Slot / One Round Hole

| A | B | Unit Price | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASAFR, ASACR | | | ASAFB, ASACB | | | | ASAFS, ASACS | | | |
| | | T0.1~0.5 | T1.0 | T2.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 |
| 10~50 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 51~70 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 71~100 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 101~130 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 131~150 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |

■ Two Slots / Two Round Holes

| A | B | Unit Price | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASFFR, ASFCR | | | ASFFB, ASFCB | | | | ASFFS, ASFCS | | | |
| | | T0.1~0.5 | T1.0 | T2.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 |
| 15~ 50 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 51~ 70 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 71~100 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 101~130 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 131~150 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 151~200 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| | 151~200 | | | | | | | | | | | |

■ Three Slots / Three Round Holes

| A | B | Unit Price | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASCFR, ASCCR | | | ASCFB, ASCCB | | | | ASCFS, ASCCS | | | |
| | | T0.1~0.5 | T1.0 | T2.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 | T0.05 | T0.1~0.5 | T1.0 | T2.0~3.0 |
| 15~ 50 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 51~ 70 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 71~100 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 101~130 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 131~150 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| 151~200 | 10~ 50 | | | | | | | | | | | |
| | 51~100 | | | | | | | | | | | |
| | 101~150 | | | | | | | | | | | |
| | 151~200 | | | | | | | | | | | |