

## 限界螺紋牙規



限界螺紋栓規



限界螺紋環規

公制牙 (M)

| 規 格          | 限界螺紋栓規   |           | 規 格         | 限界螺紋環規   |           |
|--------------|----------|-----------|-------------|----------|-----------|
|              | 價(支)格    | 價(組)格     |             | 價(支)格    | 價(組)格     |
| M 2 × 0.4    | 4,500.00 | 10,700.00 | M 11 × 1.0  | 3,150.00 | 6,300.00  |
| " 2.3 × 0.4  | 4,500.00 | 10,700.00 | " 11 × 1.25 | 3,000.00 | 3,000.00  |
| " 2.5 × 0.45 | 4,000.00 | 10,000.00 | " 11 × 1.5  | 2,950.00 | 5,900.00  |
| " 2.6 × 0.45 | 4,000.00 | 10,000.00 | " 12 × 0.5  | 5,500.00 | 11,000.00 |
| " 3 × 0.35   | 6,200.00 | —         | " 12 × 0.75 | 5,150.00 | 10,300.00 |
| M 3 × 0.5    | 3,200.00 | 6,400.00  | M 12 × 1.0  | 3,200.00 | 6,400.00  |
| " 3 × 0.6    | 3,600.00 | 7,200.00  | " 12 × 1.25 | 3,000.00 | 6,000.00  |
| " 3.5 × 0.35 | 6,000.00 | 12,000.00 | " 12 × 1.5  | 2,950.00 | 5,900.00  |
| " 3.5 × 0.6  | 3,600.00 | 7,200.00  | " 12 × 1.75 | 2,950.00 | 5,900.00  |
| " 4 × 0.5    | 3,700.00 | 7,400.00  | " 13 × 1.0  | 3,500.00 | 7,000.00  |
| M 4 × 0.7    | 2,750.00 | 5,500.00  | M 13 × 1.25 | 3,600.00 | 7,200.00  |
| " 4 × 0.75   | 2,850.00 | 5,700.00  | " 13 × 1.5  | 3,250.00 | 6,500.00  |
| " 4.5 × 0.5  | 3,800.00 | 7,600.00  | " 14 × 1.0  | 3,400.00 | 6,800.00  |
| " 4.5 × 0.75 | 3,000.00 | 6,000.00  | " 14 × 1.25 | 3,300.00 | 6,600.00  |
| " 5 × 0.5    | 3,900.00 | 7,800.00  | " 14 × 1.5  | 3,050.00 | 6,100.00  |
| M 5 × 0.8    | 2,700.00 | 5,400.00  | M 14 × 2.0  | 3,100.00 | 6,200.00  |
| " 5.5 × 0.5  | 4,000.00 | 8,000.00  | " 15 × 1.0  | 3,500.00 | 7,000.00  |
| " 6 × 0.5    | 4,100.00 | 8,200.00  | " 15 × 1.5  | 3,100.00 | 6,200.00  |
| " 6 × 0.75   | 3,150.00 | 6,300.00  | " 15 × 2.0  | 3,200.00 | 6,400.00  |
| " 6 × 1.0    | 2,700.00 | 5,400.00  | " 16 × 1.0  | 3,550.00 | 7,100.00  |
| M 7 × 0.5    | 4,250.00 | 8,500.00  | M 16 × 1.5  | 3,200.00 | 6,400.00  |
| " 7 × 0.75   | 3,250.00 | 6,500.00  | " 16 × 2.0  | 3,300.00 | 6,600.00  |
| " 7 × 1.0    | 2,700.00 | 5,400.00  | " 17 × 1.0  | 3,700.00 | 7,400.00  |
| " 8 × 0.5    | 4,350.00 | 8,700.00  | " 17 × 1.5  | 3,300.00 | 6,600.00  |
| " 8 × 0.75   | 3,350.00 | 6,700.00  | " 18 × 1.0  | 3,750.00 | 7,500.00  |
| M 8 × 1.0    | 2,750.00 | 5,500.00  | M 18 × 1.5  | 3,350.00 | 6,700.00  |
| " 8 × 1.25   | 2,750.00 | 5,500.00  | " 18 × 2.0  | 3,500.00 | 7,000.00  |
| " 9 × 0.5    | 4,800.00 | 9,600.00  | " 18 × 2.5  | 3,550.00 | 7,100.00  |
| " 9 × 0.75   | 3,500.00 | 7,000.00  | " 19 × 1.0  | 4,100.00 | 8,200.00  |
| " 9 × 1.0    | 2,850.00 | 5,700.00  | " 19 × 1.5  | 3,550.00 | 7,100.00  |
| M 9 × 1.25   | 2,850.00 | 5,700.00  | M 19 × 2.5  | 3,900.00 | 7,800.00  |
| " 10 × 0.5   | 4,850.00 | 9,700.00  | " 20 × 0.5  | 7,800.00 | 15,600.00 |
| " 10 × 0.75  | 3,650.00 | 7,300.00  | " 20 × 1.0  | 4,000.00 | 8,000.00  |
| " 10 × 1.0   | 2,900.00 | 5,800.00  | " 20 × 1.5  | 3,550.00 | 7,100.00  |
| " 10 × 1.25  | 2,850.00 | 5,700.00  | " 20 × 2.0  | 3,650.00 | 7,300.00  |
| M 10 × 1.5   | 2,800.00 | 5,600.00  | M 20 × 2.5  | 3,900.00 | 7,800.00  |
| " 11 × 0.5   | 5,200.00 | 10,400.00 | " 22 × 1.0  | 4,250.00 | 8,500.00  |
| " 11 × 0.75  | 4,000.00 | 8,000.00  | " 22 × 1.5  | 3,700.00 | 7,400.00  |

## 限界螺紋牙規



限界螺紋栓規



限界螺紋環規

公制牙 (M)

| 規 格        | 限界螺紋栓規   |           | 規 格        | 限界螺紋環規    |           |
|------------|----------|-----------|------------|-----------|-----------|
|            | 價(支)格    | 價(組)格     |            | 價(支)格     | 價(組)格     |
| M 22 × 2.0 | 3,800.00 | 7,600.00  | M 32 × 1.5 | 4,900.00  | 9,800.00  |
| " 22 × 2.5 | 4,050.00 | 8,100.00  | " 32 × 2.0 | 5,000.00  | 10,000.00 |
| " 24 × 1.0 | 4,550.00 | 9,100.00  | " 33 × 1.5 | 5,500.00  | 11,000.00 |
| " 24 × 1.5 | 3,900.00 | 7,800.00  | " 33 × 2.0 | 6,000.00  | 12,000.00 |
| " 24 × 2.0 | 4,000.00 | 8,000.00  | " 33 × 3.0 | 5,900.00  | 11,800.00 |
| M 24 × 3.0 | 4,600.00 | 9,200.00  | M 33 × 3.5 | 6,200.00  | 12,400.00 |
| " 25 × 1.0 | 4,700.00 | 9,400.00  | " 35 × 1.5 | 5,300.00  | 10,600.00 |
| " 25 × 1.5 | 4,000.00 | 8,000.00  | " 35 × 2.0 | 7,600.00  | 15,200.00 |
| " 25 × 2.0 | 4,050.00 | 8,100.00  | " 36 × 1.5 | 5,400.00  | 10,800.00 |
| " 26 × 1.0 | 4,850.00 | 9,700.00  | " 36 × 2.0 | 5,400.00  | 10,800.00 |
| M 26 × 1.5 | 4,100.00 | 8,200.00  | M 36 × 3.0 | 6,300.00  | 12,600.00 |
| " 27 × 1.0 | 4,950.00 | 9,900.00  | " 36 × 4.0 | 6,700.00  | 13,400.00 |
| " 27 × 1.5 | 4,200.00 | 8,400.00  | " 38 × 1.5 | 6,400.00  | 12,800.00 |
| " 27 × 2.0 | 4,250.00 | 8,500.00  | " 38 × 2.0 | 5,900.00  | 11,800.00 |
| " 27 × 3.0 | 5,000.00 | 10,000.00 | " 38 × 3.0 | 6,500.00  | 13,000.00 |
| M 28 × 1.0 | 5,150.00 | 10,300.00 | M 40 × 1.5 | 7,350.00  | 14,700.00 |
| " 28 × 1.5 | 4,350.00 | 8,700.00  | " 40 × 2.0 | 8,350.00  | 16,700.00 |
| " 28 × 2.0 | 4,400.00 | 8,800.00  | " 40 × 3.0 | 7,100.00  | 14,200.00 |
| " 30 × 1.0 | 5,400.00 | 10,800.00 | " 42 × 1.5 | 7,900.00  | 15,800.00 |
| " 30 × 1.5 | 4,500.00 | 9,000.00  | " 42 × 2.0 | 8,600.00  | 17,200.00 |
| M 30 × 2.0 | 4,600.00 | 9,200.00  | M 45 × 1.5 | 8,800.00  | 17,600.00 |
| " 30 × 3.0 | 5,400.00 | 10,800.00 | " 45 × 2.0 | 9,000.00  | 18,000.00 |
| " 30 × 3.5 | 5,500.00 | 11,000.00 | " 48 × 1.5 | 9,450.00  | 18,900.00 |
| " 32 × 1.0 | 6,350.00 | 12,700.00 | " 48 × 2.0 | 10,000.00 | 20,000.00 |

英制牙 (W)

|             |          |           |                 |           |           |
|-------------|----------|-----------|-----------------|-----------|-----------|
| W 1/8 - 40  | 4,350.00 | 8,700.00  | W 7/8 - 9       | 6,600.00  | 13,200.00 |
| " 5/32 - 32 | 4,350.00 | 8,700.00  | " 1 - 8         | 7,200.00  | 14,400.00 |
| " 3/16 - 24 | 4,350.00 | 8,700.00  | " 1 1/8 - 7     | 8,500.00  | 17,000.00 |
| " 1/4 - 20  | 4,350.00 | 8,700.00  | " 1 1/4 - 7     | 9,300.00  | 18,600.00 |
| " 5/16 - 18 | 4,350.00 | 8,700.00  | " 1 3/8 - 6     | 10,000.00 | 25,000.00 |
| W 3/8 - 16  | 4,350.00 | 8,700.00  | W 1 1/2 - 6     | 10,800.00 | 27,000.00 |
| " 7/16 - 14 | 4,600.00 | 9,200.00  | " 1 5/8 - 5     | 11,800.00 | 29,500.00 |
| " 1/2 - 12  | 4,800.00 | 9,600.00  | " 1 3/4 - 5     | 12,700.00 | 31,800.00 |
| " 5/8 - 11  | 5,200.00 | 10,400.00 | " 1 7/8 - 4 1/2 | 15,000.00 | 37,500.00 |
| " 3/4 - 10  | 6,200.00 | 12,400.00 | " 2 - 4 1/2     | 17,000.00 | 42,500.00 |

## 限界螺紋牙規



限界螺紋栓規



限界螺紋環規

美制粗牙 (UNC)

| 規 格           | 限界螺紋栓規          | 限界螺紋環規           | 規 格          | 限界螺紋栓規          | 限界螺紋環規           |
|---------------|-----------------|------------------|--------------|-----------------|------------------|
|               | 價(支)格           | 價(組)格            |              | 價(支)格           | 價(組)格            |
| NO 1 - 64 UNC | <b>6,300.00</b> | —                | 3/8 - 16 UNC | <b>3,150.00</b> | <b>6,300.00</b>  |
| " 2 - 56 "    | <b>5,000.00</b> | <b>13,000.00</b> | 7/16 - 14 "  | <b>3,300.00</b> | <b>6,600.00</b>  |
| " 3 - 48 "    | <b>4,500.00</b> | —                | 1/2 - 13 "   | <b>3,350.00</b> | <b>6,700.00</b>  |
| " 4 - 40 "    | <b>4,000.00</b> | <b>8,000.00</b>  | 9/16 - 12 "  | <b>3,550.00</b> | <b>7,100.00</b>  |
| " 5 - 40 "    | <b>4,000.00</b> | <b>8,450.00</b>  | 5/8 - 11 "   | <b>3,750.00</b> | <b>7,500.00</b>  |
| NO 6 - 32 UNC | <b>3,350.00</b> | <b>6,700.00</b>  | 3/4 - 10 UNC | <b>4,350.00</b> | <b>8,700.00</b>  |
| " 8 - 32 "    | <b>3,300.00</b> | <b>6,600.00</b>  | 7/8 - 9 "    | <b>4,700.00</b> | <b>9,400.00</b>  |
| " 10 - 24 "   | <b>3,000.00</b> | <b>6,000.00</b>  | 1 - 8 "      | <b>5,200.00</b> | <b>10,400.00</b> |
| " 12 - 24 "   | <b>3,100.00</b> | <b>6,200.00</b>  | 1 1/8 - 7 "  | <b>5,950.00</b> | <b>11,900.00</b> |
| 1/4 - 20 "    | <b>3,100.00</b> | <b>6,200.00</b>  | 1 1/4 - 7 "  | <b>6,750.00</b> | <b>13,500.00</b> |
| 5/16 - 18 "   | <b>3,100.00</b> | <b>6,200.00</b>  | 1 1/2 - 6 "  | <b>8,900.00</b> | —                |

美制細牙 (UNF)

|               |                 |                 |                |                 |                  |
|---------------|-----------------|-----------------|----------------|-----------------|------------------|
| NO 1 - 72 UNF | <b>6,300.00</b> | —               | 7/16 - 20 UNF  | <b>3,300.00</b> | <b>6,600.00</b>  |
| " 2 - 64 "    | <b>5,000.00</b> | —               | 1/2 - 20 "     | <b>3,350.00</b> | <b>6,700.00</b>  |
| " 3 - 56 "    | <b>5,300.00</b> | —               | 9/16 - 18 "    | <b>3,500.00</b> | <b>7,000.00</b>  |
| " 4 - 48 "    | <b>4,300.00</b> | <b>9,500.00</b> | 9/16 - 20 UNS  | <b>4,800.00</b> | <b>9,600.00</b>  |
| " 5 - 44 "    | <b>4,300.00</b> | —               | 5/8 - 18 UNF   | <b>3,650.00</b> | <b>7,300.00</b>  |
| NO 6 - 40 UNF | <b>3,350.00</b> | <b>6,700.00</b> | 3/4 - 16 UNF   | <b>4,050.00</b> | <b>8,100.00</b>  |
| " 8 - 36 "    | <b>3,300.00</b> | <b>6,600.00</b> | 7/8 - 14 "     | <b>4,200.00</b> | <b>8,400.00</b>  |
| " 10 - 32 "   | <b>3,100.00</b> | <b>6,200.00</b> | 1 - 12 "       | <b>4,700.00</b> | <b>9,400.00</b>  |
| " 12 - 28 "   | <b>3,100.00</b> | <b>6,200.00</b> | 1 - 14 UNS     | <b>7,100.00</b> | <b>14,200.00</b> |
| 3/16 - 32 UNS | <b>3,200.00</b> | <b>6,400.00</b> | 1 1/8 - 12 UNF | <b>4,950.00</b> | <b>9,900.00</b>  |
| 1/4 - 28 UNF  | <b>3,100.00</b> | <b>6,200.00</b> | 1 1/4 - 12 UNF | <b>5,650.00</b> | <b>11,300.00</b> |
| 5/16 - 24 "   | <b>3,150.00</b> | <b>6,300.00</b> | 1 3/8 - 12 "   | <b>6,050.00</b> | <b>12,100.00</b> |
| 3/8 - 24 "    | <b>3,300.00</b> | <b>6,600.00</b> | 1 1/2 - 12 "   | <b>7,000.00</b> | <b>14,000.00</b> |

美制特細牙 (UNEF)

|               |                 |                  |               |                 |                  |
|---------------|-----------------|------------------|---------------|-----------------|------------------|
| 1/4 - 32 UNEF | <b>4,300.00</b> | <b>8,600.00</b>  | 1/2 - 32 UNEF | <b>4,600.00</b> | <b>9,200.00</b>  |
| 5/16 - 32 "   | <b>4,350.00</b> | <b>8,700.00</b>  | 9/16 - 24 "   | <b>4,800.00</b> | <b>9,600.00</b>  |
| 3/8 - 32 "    | <b>4,100.00</b> | <b>8,200.00</b>  | 5/8 - 24 "    | <b>4,850.00</b> | <b>9,700.00</b>  |
| 7/16 - 24 "   | <b>5,050.00</b> | <b>10,100.00</b> | 3/4 - 20 "    | <b>5,550.00</b> | <b>11,100.00</b> |
| 7/16 - 28 "   | <b>4,550.00</b> | <b>9,100.00</b>  | 7/8 - 20 "    | <b>6,050.00</b> | <b>12,100.00</b> |
| 1/2 - 28 "    | <b>4,550.00</b> | <b>9,100.00</b>  | 1 - 20 "      | <b>6,500.00</b> | <b>13,000.00</b> |

## 限界螺紋牙規



限界螺紋栓規



限界螺紋環規

針車牙 (SM)

| 規 格           | 限界螺紋栓規          | 限界螺紋環規 | 規 格           | 限界螺紋栓規          | 限界螺紋環規          |
|---------------|-----------------|--------|---------------|-----------------|-----------------|
|               | 價(支)格           | 價(組)格  |               | 價(支)格           | 價(組)格           |
| 3/32 - 56 SM  | <b>5,400.00</b> | —      | 15/64 - 28 SM | <b>4,100.00</b> | <b>8,200.00</b> |
| 1/8 - 40 "    | <b>4,100.00</b> | —      | 1/4 - 24 "    | <b>4,100.00</b> | <b>8,200.00</b> |
| 1/8 - 44 "    | <b>4,200.00</b> | —      | 1/4 - 28 "    | <b>4,100.00</b> | <b>8,200.00</b> |
| 9/64 - 40 "   | <b>4,100.00</b> | —      | 1/4 - 40 "    | <b>4,100.00</b> | <b>8,200.00</b> |
| 11/64 - 40 SM | <b>4,100.00</b> | —      | 9/32 - 20 SM  | <b>4,100.00</b> | <b>8,200.00</b> |
| 3/16 - 24 "   | <b>4,100.00</b> | —      | 9/32 - 28 "   | <b>4,100.00</b> | <b>8,200.00</b> |
| 3/16 - 28 "   | <b>4,100.00</b> | —      | 5/16 - 28 "   | <b>4,300.00</b> | <b>8,600.00</b> |
| 3/16 - 32 "   | <b>4,100.00</b> | —      | 3/8 - 28 "    | <b>4,400.00</b> | <b>8,800.00</b> |

英制管用直牙

美制管用直牙

|                 |                  |                  |                  |                  |                  |
|-----------------|------------------|------------------|------------------|------------------|------------------|
| PS(PF) 1/8 - 28 | <b>4,300.00</b>  | <b>8,600.00</b>  | NPSM 1/8 - 27    | <b>5,590.00</b>  | <b>11,180.00</b> |
| " 1/4 - 19      | <b>4,500.00</b>  | <b>9,000.00</b>  | " 1/4 - 18       | <b>5,850.00</b>  | <b>11,700.00</b> |
| " 3/8 - 19      | <b>4,800.00</b>  | <b>9,600.00</b>  | " 3/8 - 18       | <b>6,240.00</b>  | <b>12,480.00</b> |
| " 1/2 - 14      | <b>5,700.00</b>  | <b>11,400.00</b> | " 1/2 - 14       | <b>7,410.00</b>  | <b>14,820.00</b> |
| " 5/8 - 14      | <b>6,600.00</b>  | <b>13,200.00</b> | " 5/8 - 14       | <b>8,580.00</b>  | <b>17,160.00</b> |
| PS(PF) 3/4 - 14 | <b>6,400.00</b>  | <b>12,800.00</b> | NPSM 3/4 - 14    | <b>8,320.00</b>  | <b>16,640.00</b> |
| " 1 - 11        | <b>8,400.00</b>  | <b>16,800.00</b> | " 1 - 11 1/2     | <b>10,920.00</b> | <b>21,840.00</b> |
| " 1 1/4 - 11    | <b>10,500.00</b> | <b>21,000.00</b> | " 1 1/4 - 11 1/2 | <b>13,650.00</b> | <b>27,300.00</b> |
| " 1 1/2 - 11    | <b>12,000.00</b> | <b>24,000.00</b> | " 1 1/2 - 11 1/2 | <b>15,600.00</b> | <b>31,200.00</b> |
| " 2 - 11        | <b>17,000.00</b> | <b>34,000.00</b> | " 2 - 11 1/2     | <b>22,100.00</b> | <b>44,200.00</b> |

英制管用斜牙

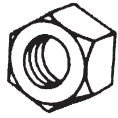







美制管用斜牙

PT/NPT 環規：只

|              |                  |                  |                  |                  |                  |
|--------------|------------------|------------------|------------------|------------------|------------------|
| PT 1/16 - 28 | <b>7,385.00</b>  | <b>11,075.00</b> | NPT 1/16 - 27    | <b>9,550.00</b>  | <b>14,260.00</b> |
| " 1/8 - 28   | <b>5,350.00</b>  | <b>8,020.00</b>  | " 1/8 - 27       | <b>6,875.00</b>  | <b>10,315.00</b> |
| " 1/4 - 19   | <b>5,610.00</b>  | <b>8,405.00</b>  | " 1/4 - 18       | <b>7,260.00</b>  | <b>10,820.00</b> |
| " 3/8 - 19   | <b>6,495.00</b>  | <b>9,675.00</b>  | " 3/8 - 18       | <b>8,405.00</b>  | <b>12,605.00</b> |
| " 1/2 - 14   | <b>7,260.00</b>  | <b>10,820.00</b> | " 1/2 - 14       | <b>9,420.00</b>  | <b>14,130.00</b> |
| PT 3/4 - 14  | <b>8,530.00</b>  | <b>12,730.00</b> | NPT 3/4 - 14     | <b>11,075.00</b> | <b>16,550.00</b> |
| " 1 - 11     | <b>10,060.00</b> | <b>15,025.00</b> | " 1 - 11 1/2     | <b>12,985.00</b> | <b>19,480.00</b> |
| " 1 1/4 - 11 | <b>11,970.00</b> | <b>17,950.00</b> | " 1 1/4 - 11 1/2 | <b>15,530.00</b> | <b>23,300.00</b> |
| " 1 1/2 - 11 | <b>13,625.00</b> | <b>20,370.00</b> | " 1 1/2 - 11 1/2 | <b>17,695.00</b> | <b>26,480.00</b> |
| " 2 - 11     | <b>16,295.00</b> | <b>24,445.00</b> | " 2 - 11 1/2     | <b>21,135.00</b> | <b>31,700.00</b> |

## 限界螺紋牙規之種類及記號

### 限界螺紋栓規：專測母螺牙之有效徑用

| 檢查螺紋之有效徑   |   | 記號        | 種類          |
|--|---|-----------|-------------|
| 母螺牙<br> |    | <b>GP</b> | 工作、檢查共用貫通栓規 |
|  |    | <b>WP</b> | 工作用不貫通栓規    |
|  |    | <b>GP</b> | 工作、檢查共用貫通栓規 |
|  |    | <b>IP</b> | 檢查用不貫通栓規    |
|  |   | <b>GP</b> | 工作、檢查共用貫通栓規 |
|  |  | <b>WP</b> | 工作用不貫通栓規    |
|  |  | <b>IP</b> | 檢查用不貫通栓規    |

### 限界螺紋環規：專測公螺牙之有效徑用

|  |   |           |             |
|--|---|-----------|-------------|
| 公螺牙<br> |  | <b>GR</b> | 工作、檢查共用貫通環規 |
|  |  | <b>WR</b> | 工作用不貫通環規    |
|  |  | <b>IR</b> | 檢查用不貫通環規    |

#### 使用說明：

1. 限界螺紋牙規，每一組是由貫通側（GO）及不貫通側（NO GO）組成。
2. 檢查時，貫通側需全部旋轉通過，不貫通側旋轉以不超過2牙為標準合格品。
3. 栓環規貫通側與不貫通測之辨認：  
栓規及環規之貫通側，螺紋較長（厚）；不貫通側較短（薄），且有刻紋。

| 螺紋規格     | 記號      | 牙山角度 | 螺紋等級                                 |
|----------|---------|------|--------------------------------------|
| 公制牙（ISO） | M       | 60°  | 4H / 5H / 6H / 7H（栓規）                |
| 公制牙（JIS） | M       | 60°  | 4h / 5h / 6h / 7h（環規）                |
| 英制粗牙     | W       | 55°  | 3B / 2B / 1B（栓規）<br>3A / 2A / 1A（環規） |
| 美制粗牙     | UNC     | 60°  |                                      |
| 美制細牙     | UNF、UNS | 60°  |                                      |
| 美制特細牙    | UNEF    | 60°  |                                      |
| 針車牙      | SM      | 60°  | 1級 / 2級 / 3級                         |