



CHUCK

プルロックチャック

PU series

**ワークを引込み高精度加工
抜群の安定精度で仕上げ加工に最適
オプションジョーの使用で把握範囲拡大**



●把握安定性が高く重切削が可能です

ラジアル方向の把握と同時に強力な引きつけ作用でチャック基準面にワークを密着させ浮き上がりなく安定した重切削が可能です。

●繰り返し精度は抜群です

マスタジョーのスライド面をバックアップした構造になっていますから繰り返し使用しても高精度です。

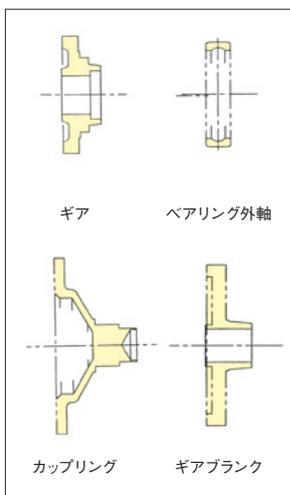
●精度は長期間安定しています

洗練された構造と特殊鋼設計により、長期間安定した把握精度が保てます。

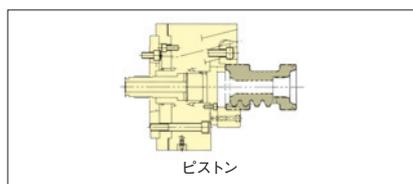
●自動化にも対応でき着座確認も採用可能です

*CE対応品

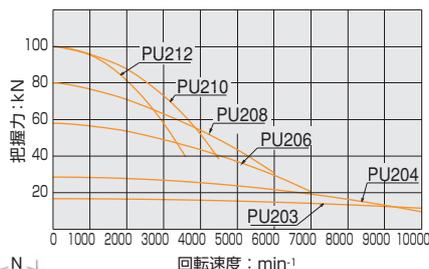
ワーク実績



把握状態例

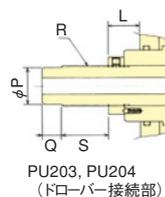
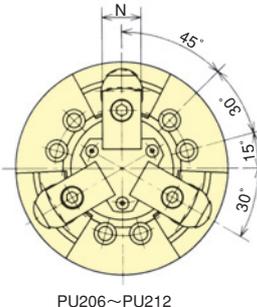
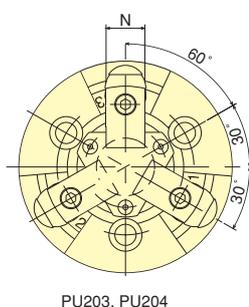
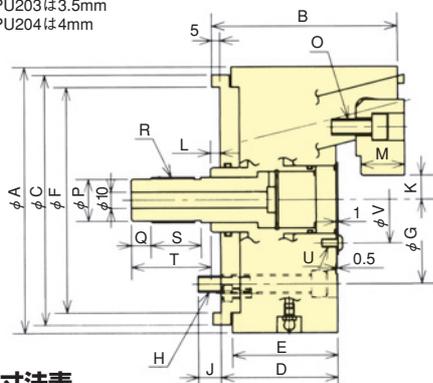


把握力性能曲線



■寸法図

※PU203は3.5mm
PU204は4mm



■寸法表

| 寸法 | A | B | C | D | E | F (G7) | G | H | J | K max. | K min. | L max. | L min. | M | N | O | P | Q | R | S | T | U | V |
|-------|-----|------|-----|------|----|--------|-------|-------|----|--------|--------|--------|--------|----|----|-------|----|----|---------|----|----|-------|------|
| PU203 | 75 | 54.5 | 75 | 38.5 | 34 | 69 | 54 | 3-M6 | 9 | 2.5 | 1.5 | 21.5 | 17.5 | 9 | 15 | 3-M5 | 8 | 10 | M10 | 19 | - | 3-M3 | 25.5 |
| PU204 | 110 | 72.5 | 100 | 51 | 43 | 85 | 70.6 | 3-M10 | 12 | 10.75 | 9.25 | 19 | 13 | 14 | 20 | 3-M6 | 18 | 12 | M20x1.5 | 24 | - | 3-M4 | 42 |
| PU206 | 165 | 115 | 155 | 72 | 65 | 140 | 104.8 | 6-M10 | 14 | 16.25 | 13.75 | 11 | 1 | 27 | 30 | 3-M10 | 26 | 12 | M28x1.5 | 31 | 49 | 3-M5 | 54 |
| PU208 | 210 | 135 | 180 | 85 | 70 | 170 | 133.4 | 6-M12 | 15 | 16.25 | 13.75 | 11 | 1 | 31 | 35 | 3-M12 | 32 | 15 | M35x1.5 | 30 | 51 | 3-M6 | 65 |
| PU210 | 254 | 150 | 230 | 95 | 82 | 220 | 171.4 | 6-M16 | 23 | 21.25 | 18.75 | 12 | 2 | 35 | 40 | 3-M14 | 35 | 15 | M38x1.5 | 30 | 51 | 3-M8 | 80 |
| PU212 | 304 | 155 | 240 | 95 | 82 | 220 | 171.4 | 6-M16 | 23 | 46.25 | 43.75 | 12 | 2 | 40 | 40 | 3-M14 | 42 | 15 | M45x1.5 | 30 | 51 | 3-M10 | 100 |

■仕様表

※把握径/把握範囲は標準のソフトジョーを使用した場合。

| 仕様 | 把握径 | | ジョーストローク (直径) mm | プランジャストローク mm | 許容最大入力 kN | 最大静的把握力 kN | 許容最高回転速度 min⁻¹ | 質量 (標準ソフトジョー付) kg | 慣性モーメント kg·m² | 適合シリンダ | 許容最大油圧力 MPa |
|-------|---------|---------|------------------|---------------|-----------|------------|----------------|-------------------|---------------|-------------|-------------|
| | Max. mm | Min. mm | | | | | | | | | |
| PU203 | 28 | 6 | 2 | 4 | 5.8 | 16.7 | 10000 | 1.5 | 0.0012 | YG-329A | 1.70 |
| PU204 | 50 | 24 | 3 | 6 | 10.0 | 28.5 | 8000 | 3.8 | 0.006 | F0933H | 2.06 |
| | | | | | | | | | | YG-329A | 2.70 |
| PU206 | 69 | 35 | 5 | 10 | 18.0 | 58.0 | 7000 | 14.1 | 0.050 | Y1020R/RE47 | 2.55 |
| PU208 | 89 | 35 | 5 | 10 | 25.0 | 80.0 | 6000 | 24.0 | 0.133 | Y1225R/RE47 | 2.50 |
| PU210 | 112 | 47 | 5 | 10 | 35.0 | 100.0 | 4500 | 42.0 | 0.338 | Y1225R/RE47 | 3.35 |
| PU212 | 162 | 99 | 5 | 10 | 35.0 | 100.0 | 3600 | 60.5 | 0.655 | Y1225R/RE47 | 3.35 |



CHUCK

Pull Lock Chuck

PU series

Draw down for high-precision processing
Suitable gripping accuracy for finishing processes
Wide gripping range with the use of optional jaws



● **High gripping stability means heavy cutting is possible**

Radial gripping forces and strong pull back action allow stable heavy cutting.

● **Excellent repeatability!**

Side and rear support provided by the base jaws reduces the centrifugal gripping force loss thus resulting in high repeatability.

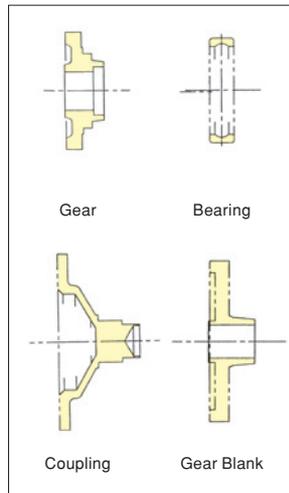
● **Long-term stable accuracy!**

The sophisticated mechanism and special steel design ensure longevity and gripping accuracy.

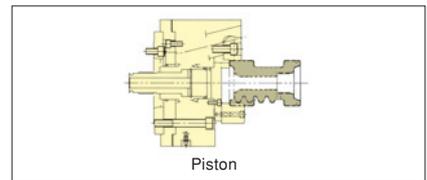
● **Compatible with automation by use of seating confirmation**

*CE corresponding

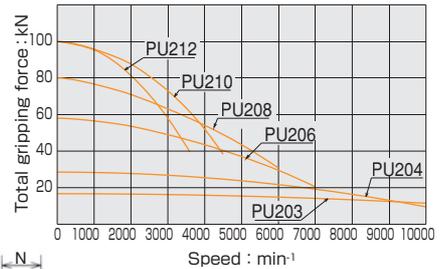
Work-piece Examples



Gripping Examples

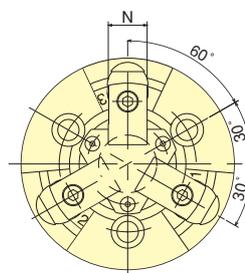
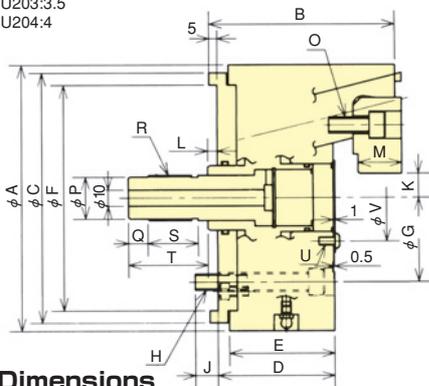


Gripping Performance

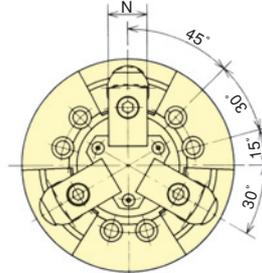


Dimensional Drawings

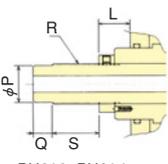
※PU203:3.5
PU204:4



PU203, PU204



PU206~PU212



PU203, PU204 (Drawbar connection)

Dimensions

| Model | A | B | C | D | E | F (G7) | G | H | J | K max. | K min. | L max. | L min. | M | N | O | P | Q | R | S | T | U | V |
|-------|-----|------|-----|------|----|--------|-------|-------|----|--------|--------|--------|--------|----|----|-------|----|----|---------|----|----|-------|------|
| PU203 | 75 | 54.5 | 75 | 38.5 | 34 | 69 | 54 | 3-M6 | 9 | 2.5 | 1.5 | 21.5 | 17.5 | 9 | 15 | 3-M5 | 8 | 10 | M10 | 19 | - | 3-M3 | 25.5 |
| PU204 | 110 | 72.5 | 100 | 51 | 43 | 85 | 70.6 | 3-M10 | 12 | 10.75 | 9.25 | 19 | 13 | 14 | 20 | 3-M6 | 18 | 12 | M20x1.5 | 24 | - | 3-M4 | 42 |
| PU206 | 165 | 115 | 155 | 72 | 65 | 140 | 104.8 | 6-M10 | 14 | 16.25 | 13.75 | 11 | 1 | 27 | 30 | 3-M10 | 26 | 12 | M28x1.5 | 31 | 49 | 3-M5 | 54 |
| PU208 | 210 | 135 | 180 | 85 | 70 | 170 | 133.4 | 6-M12 | 15 | 16.25 | 13.75 | 11 | 1 | 31 | 35 | 3-M12 | 32 | 15 | M35x1.5 | 30 | 51 | 3-M6 | 65 |
| PU210 | 254 | 150 | 230 | 95 | 82 | 220 | 171.4 | 6-M16 | 23 | 21.25 | 18.75 | 12 | 2 | 35 | 40 | 3-M14 | 35 | 15 | M38x1.5 | 30 | 51 | 3-M8 | 80 |
| PU212 | 304 | 155 | 240 | 95 | 82 | 220 | 171.4 | 6-M16 | 23 | 46.25 | 43.75 | 12 | 2 | 40 | 40 | 3-M14 | 42 | 15 | M45x1.5 | 30 | 51 | 3-M10 | 100 |

Specifications ※Gripping dia./gripping range is with standard soft jaws.

| Model | Gripping range | | Jaw Stroke (diameter) mm | Plunger Stroke mm | Max. Draw Bar Pull Force kN | Max. Gripping Force kN | Max. Speed min ⁻¹ | Net Weight with Soft top jaws kg | Moment of inertia kg·m ² | Matching Cylinder | Max. pressure MPa |
|-------|----------------|---------|--------------------------|-------------------|-----------------------------|------------------------|------------------------------|----------------------------------|-------------------------------------|-------------------|-------------------|
| Model | Max. mm | Min. mm | | | | | | | | | |
| PU203 | 28 | 6 | 2 | 4 | 5.8 | 16.7 | 10000 | 1.5 | 0.0012 | YG-329A | 1.70 |
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| | | | | | | | 10000 | | | YG-329A | 2.70 |
| PU206 | 69 | 35 | 5 | 10 | 18.0 | 58.0 | 7000 | 14.1 | 0.050 | Y1020R/RE47 | 2.55 |
| PU208 | 89 | 35 | 5 | 10 | 25.0 | 80.0 | 6000 | 24.0 | 0.133 | Y1225R/RE47 | 2.50 |
| PU210 | 112 | 47 | 5 | 10 | 35.0 | 100.0 | 4500 | 42.0 | 0.338 | Y1225R/RE47 | 3.35 |
| PU212 | 162 | 99 | 5 | 10 | 35.0 | 100.0 | 3600 | 60.5 | 0.655 | Y1225R/RE47 | 3.35 |

アドバンスドチャック
Advanced Chuck