# K-Series Clip Style Rod Ends

## igubal® K-Series rod ends now feature press-fit balls

igus® now offers its K-Series rod ends with interchangeable balls. This new feature makes the dimensionally interchangeable rod ends even more versatile. The balls are available in five high-performance polymer blends as well as stainless steel. Contact igus® for available sizes.

iglide® L280 | iglide® R | iglide® J | iglide® J4 | iglide® T500 | Stainless steel

**Benefits and features:**

- Smooth design prevents dirt buildup
- Different ball materials for a variety of applications
- Compensation for alignment errors
- Lightweight
- Corrosion resistant
- Self lubricating and maintenance free

**Industries:** packaging machinery, building exteriors, medical, automotive, transportation, conveyors, and more

**Choice of iglide® ball materials**

| | |
|---|---|
| iglide® L280: | Offers extreme wear resistance |
| iglide® J: | Ideal for hard-anodized aluminum shafts for a low coefficient of friction and low moisture absorption |
| iglide® J4 and iglide® R: | Cost-effective options with low moisture absorption |
| iglide® T500: | Ideal for applications with temperatures exceeding 194°F |
| 316 stainless steel: | If higher clamping forces are present |

## no minimum order - free samples available

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Visit www.igus.com for more information

# Rod End Material Data

## iglide® J Material Table

| General Properties | Unit | iglide® J |
|---|---|---|
| Color | | yellow |
| Max. moisture absorption at 73°F/50% r.h. | % weight | 0.3 |
| Max. moisture absorption | % weight | 1.3 |
| **Mechanical Properties** | | |
| Modulus of elasticity | psi | 348,000 |
| Tensile strength at 68°F | psi | 10,585 |
| Permissible static surface pressure (68°F) | psi | 5,075 |
| Shore D-hardness | | 74 |
| **Physical and Thermal Properties** | | |
| Max. long-term application temperature | °F | 194 |
| Max. short-term application temperature | °F | 248 |
| Min. application temperature | °F | -58 |

## iglide® J4 Material Table

| General Properties | Unit | iglide® J4 |
|---|---|---|
| Color | | gray |
| Max. moisture absorption at 73°F/50% r.h. | % weight | 0.3 |
| Max. moisture absorption | % weight | 1.3 |
| **Mechanical Properties** | | |
| Modulus of elasticity | psi | 340,750 |
| Tensile strength at 68°F | psi | 10,150 |
| Permissible static surface pressure (68°F) | psi | 5,075 |
| Shore D-hardness | | 74 |
| **Physical and Thermal Properties** | | |
| Max. long-term application temperature | °F | 194 |
| Max. short-term application temperature | °F | 248 |
| Min. application temperature | °F | -58 |

## iglide® L280 Material Table

| General Properties | Unit | iglide® L280 |
|---|---|---|
| Color | | yellow |
| Max. moisture absorption at 73°F/50% r.h. | % weight | 1.3 |
| Max. moisture absorption | % weight | 6.5 |
| **Mechanical Properties** | | |
| Modulus of elasticity | psi | 507,500 |
| Tensile strength at 68°F | psi | 18,125 |
| Permissible static surface pressure (68°F) | psi | 8,700 |
| Shore D-hardness | | 77 |
| **Physical and Thermal Properties** | | |
| Max. long-term application temperature | °F | 194 |
| Max. short-term application temperature | °F | 356 |
| Min. application temperature | °F | -40 |

## iglide® R Material Table

| General Properties | Unit | iglide® R |
|---|---|---|
| Color | | red |
| Max. moisture absorption at 73°F/50% r.h. | % weight | 0.2 |
| Max. moisture absorption | % weight | 1.1 |
| **Mechanical Properties** | | |
| Modulus of elasticity | psi | 290,000 |
| Tensile strength at 68°F | psi | 10,150 |
| Permissible static surface pressure (68°F) | psi | 3,335 |
| Shore D-hardness | | 77 |
| **Physical and Thermal Properties** | | |
| Max. long-term application temperature | °F | 194 |
| Max. short-term application temperature | °F | 230 |
| Min. application temperature | °F | -58 |

## iglide® T500 Material Table

| General Properties | Unit | iglide® T500 |
|---|---|---|
| Color | | black |
| Max. moisture absorption at 73°F/50% r.h. | % weight | 0.1 |
| Max. moisture absorption | % weight | 0.5 |
| **Mechanical Properties** | | |
| Modulus of elasticity | psi | 1,174,500 |
| Tensile strength at 68°F | psi | 24,650 |
| Permissible static surface pressure (68°F) | psi | 21,750 |
| Shore D-hardness | | 85 |
| **Physical and Thermal Properties** | | |
| Max. long-term application temperature | °F | 482 |
| Max. short-term application temperature | °F | 599 |
| Min. application temperature | °F | -148 |

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