

Ratchet P-Clamp

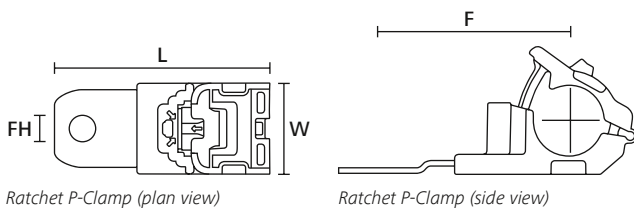
The Ratchet P-Clamp family offers versatility when managing wires, cables and hoses. The robust design and durable materials make it ideal for heavy duty applications, both in- and outdoors. The one-piece adjustable clamp can be closed by hand to the desired diameter. The release feature provides easy and nondestructive removal of cables simply by using a flat-head screwdriver. This nondestructive release allows the clamp to be reused without removing or replacing any bolts or screws. The Ratchet P-Clamp is offered in four sizes and multiple mounting configurations.

Features and benefits

- One-piece ratchet closure design allows for easy installation during pre- or final assembly
- Multiple configurations handle a wide range of diameters and applications, reducing part inventory
- Clamp interior is designed to guide and center bundle to reduce pinching
- Easy release feature allows for quick adjustments and maintenance
- Impact modified, heat and UV stabilized PA66 provides long-term durability, in- and outdoors
- Steel mounting plate tolerates high torque mounting and is treated to resist chemicals and salt spray



Ratchet P-Clamps in multiple configurations to handle a wide range of diameters and applications.



Ratchet P-Clamp (plan view)

Ratchet P-Clamp (side view)



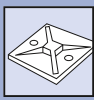
One Step to the Web!

For bundle diameters from 6.2 mm to 13.7 mm

| TYPE | Width (W) | Length (L) | Bundle Ø min. | Bundle Ø max. | Hole Ø (FH) | Fixing Hole Centres (F) | Variant | Material | Colour | Article-No. |
|------------|-----------|------------|---------------|---------------|-------------|-------------------------|-------------|---------------------|------------|-------------|
| RCA90SM6 | 34.9 | 101.9 | 6.2 | 13.7 | M6 | 24.9 | 90° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01643 |
| RCA180SM6 | 34.9 | 116.2 | 6.2 | 13.7 | M6 | 50.5 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01637 |
| RCA180SM8 | 34.9 | 116.2 | 6.2 | 13.7 | M8 | 50.5 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01416 |
| RCA180SM10 | 34.9 | 116.2 | 6.2 | 13.7 | M10 | 50.5 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01417 |
| RCA180SM12 | 34.9 | 116.2 | 6.2 | 13.7 | M12 | 50.5 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01418 |
| RCA90LM6 | 34.9 | 129.9 | 6.2 | 13.7 | M6 | 24.9 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01644 |
| RCA90LM8 | 34.9 | 129.9 | 6.2 | 13.7 | M8 | 24.9 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01437 |
| RCA180MM6 | 34.9 | 138.2 | 6.2 | 13.7 | M6 | 72.5 | 180° Medium | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01638 |
| RCA180MM8 | 34.9 | 138.2 | 6.2 | 13.7 | M8 | 72.5 | 180° Medium | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01419 |
| RCA180LM6 | 34.9 | 167.2 | 6.2 | 13.7 | M6 | 101.5 | 180° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01639 |

All dimensions in mm. Subject to technical changes.





Ratchet P-Clamp

For bundle diameters from 12.7 mm to 19.5 mm

| TYPE | Width (W) | Length (L) | Bundle Ø min. | Bundle Ø max. | Hole Ø (FH) | Fixing Hole Centres (F) | Variant | Material | Colour | Article-No. |
|------------|-----------|------------|---------------|---------------|-------------|-------------------------|-------------|---------------------|------------|-------------|
| RCB90SM6 | 34.9 | 101.9 | 12.7 | 19.5 | M6 | 26.7 | 90° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01651 |
| RCB90SM8 | 34.9 | 101.9 | 12.7 | 19.5 | M8 | 26.7 | 90° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01457 |
| RCB180SM6 | 34.9 | 116.2 | 12.7 | 19.5 | M6 | 52.8 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01645 |
| RCB180SM8 | 34.9 | 116.2 | 12.7 | 19.5 | M8 | 52.8 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01440 |
| RCB180SM10 | 34.9 | 116.2 | 12.7 | 19.5 | M10 | 52.8 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01390 |
| RCB180SM12 | 34.9 | 116.2 | 12.7 | 19.5 | M12 | 52.8 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01441 |
| RCB90LM6 | 34.9 | 129.9 | 12.7 | 19.5 | M6 | 26.7 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01652 |
| RCB90LM8 | 34.9 | 129.9 | 12.7 | 19.5 | M8 | 26.7 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01460 |
| RCB180MM6 | 34.9 | 138.2 | 12.7 | 19.5 | M6 | 74.8 | 180° Medium | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01646 |
| RCB180LM6 | 34.9 | 167.2 | 12.7 | 19.5 | M6 | 103.8 | 180° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01647 |

All dimensions in mm. Subject to technical changes.

For bundle diameters from 19.4 mm to 36.0 mm

| TYPE | Width (W) | Length (L) | Bundle Ø min. | Bundle Ø max. | Hole Ø (FH) | Fixing Hole Centres (F) | Variant | Material | Colour | Article-No. |
|------------|-----------|------------|---------------|---------------|-------------|-------------------------|-------------|---------------------|------------|-------------|
| RCC90SM6 | 34.9 | 141.8 | 19.4 | 36.0 | M6 | 39.9 | 90° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01659 |
| RCC90SM8 | 34.9 | 141.8 | 19.4 | 36.0 | M8 | 39.9 | 90° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01492 |
| RCC180SM6 | 34.9 | 156.1 | 19.4 | 36.0 | M6 | 62.3 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01653 |
| RCC180SM8 | 34.9 | 156.1 | 19.4 | 36.0 | M8 | 62.3 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01474 |
| RCC180SM10 | 34.9 | 156.1 | 19.4 | 36.0 | M10 | 62.3 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01475 |
| RCC180SM12 | 34.9 | 156.1 | 19.4 | 36.0 | M12 | 62.3 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01476 |
| RCC90LM6 | 34.9 | 169.8 | 19.4 | 36.0 | M6 | 39.9 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01660 |
| RCC90LM8 | 34.9 | 169.8 | 19.4 | 36.0 | M8 | 39.9 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01495 |
| RCC180MM6 | 34.9 | 178.1 | 19.4 | 36.0 | M6 | 84.3 | 180° Medium | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01654 |
| RCC180LM6 | 34.9 | 207.1 | 19.4 | 36.0 | M6 | 113.3 | 180° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01655 |

All dimensions in mm. Subject to technical changes.

For bundle diameters from 36.0 mm to 51.0 mm

| TYPE | Width (W) | Length (L) | Bundle Ø min. | Bundle Ø max. | Hole Ø (FH) | Fixing Hole Centres (F) | Variant | Material | Colour | Article-No. |
|------------|-----------|------------|---------------|---------------|-------------|-------------------------|------------|---------------------|------------|-------------|
| RCD180SM8 | 34.9 | 181.5 | 36.0 | 51.0 | M8 | 70.0 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01499 |
| RCD180SM10 | 34.9 | 181.5 | 36.0 | 51.0 | M10 | 70.0 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01501 |
| RCD180SM12 | 34.9 | 181.5 | 36.0 | 51.0 | M12 | 70.0 | 180° Short | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01502 |
| RCD90LM8 | 34.9 | 195.2 | 36.0 | 51.0 | M8 | 42.4 | 90° Long | PA66HIRHSUV, ST, ZN | Black (BK) | 151-01521 |

All dimensions in mm. Subject to technical changes.

Accessories

| TYPE | Variant | Material | Colour | Article-No. |
|-----------|----------------|-------------|------------|-------------|
| RCTT | No Serration | PA66HIRHSUV | Black (BK) | 151-01529 |
| RCINSERTA | Rubber profile | TPE | Black (BK) | 151-01530 |
| RCINSERTB | Rubber profile | TPE | Black (BK) | 151-01531 |
| RCINSERTC | Rubber profile | TPE | Black (BK) | 151-01532 |
| RCINSERTD | Rubber profile | TPE | Black (BK) | 151-01533 |

All dimensions in mm. Subject to technical changes.

Material Specification Overview

| MATERIAL | Material Shortcut | Operating Temperature | Colour** | Flammability | Material Properties* | Material Specifications |
|---|--------------------|---|--------------------------|--------------|---|-------------------------|
| Aluminium-alloy | AL | -40 °C to +180 °C | Natural (NA) | | <ul style="list-style-type: none"> Corrosion resistant Antimagnetic | RoHS |
| Chloroprene | CR | -20 °C to +80 °C | Black (BK) | | <ul style="list-style-type: none"> Weather-resistant High yield strength | RoHS |
| Ethylene Tetrafluoroethylene (Tefzel®) | E/TFE | -80 °C to +170 °C | Blue (BU) | UL 94 V0 | <ul style="list-style-type: none"> Resistance to radioactivity UV-resistant, not moisture sensitive Good chemical resistance to: acids, bases, oxidizing agents | RoHS |
| Polyacetal | POM | -40 °C to +90 °C, (+110 °C, 500 h) | Natural (NA) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Flexible at low temperature Not moisture sensitive Robust on impacts | RoHS |
| Polyamide 11 | PA11 | -40 °C to +85 °C, (+105 °C, 500 h) | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Bio-plastic, derived from vegetable oil Strong impact resistance at low temperature Very low moisture absorption Weather-resistant Good chemical resistance | HF RoHS |
| Polyamide 12 | PA12 | -40 °C to +85 °C, (+105 °C, 500 h) | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Good chemical resistance to: acids, bases, oxidizing agents UV-resistant | HF RoHS |
| Polyamide 4.6 | PA46 | -40 °C to +150 °C (5000 h), +195 °C (500 h) | Natural (NA), Grey (GY) | UL 94 V2 | <ul style="list-style-type: none"> Resistance to high temperatures Very moisture sensitive Low smoke sensitiv | HF LFH RoHS |
| Polyamide 6 | PA6 | -40 °C to +80 °C | Black (BK) | UL 94 V2 | <ul style="list-style-type: none"> High yield strength | RoHS |
| Polyamide 6, high impact modified | PA6HIR | -40 °C to +80 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature | RoHS |
| Polyamide 6.6 | PA66 | -40 °C to +85 °C, (+105 °C, 500 h) | Black (BK), Natural (NA) | UL 94 V2 | <ul style="list-style-type: none"> High yield strength | HF RoHS |
| Polyamide 6.6, glass-fibre reinforced | PA66GF13, PA66GF15 | -40 °C to +105 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Good resistance to: lubricants, vehicle fuel, salt water and a lot of solvent | HF RoHS |
| Polyamide 6.6, heat and UV stabilised | PA66HSW | -40 °C to +105 °C | Black (BK) | UL 94 V2 | <ul style="list-style-type: none"> High yield strength Modified elevated max. temperature UV-resistant | HF RoHS |
| Polyamide 6.6, heat stabilised | PA66HS | -40 °C to +105 °C | Black (BK), Natural (NA) | UL 94 V2 | <ul style="list-style-type: none"> High yield strength Modified elevated max. temperature | HF RoHS |
| Polyamide 6.6, high impact modified | PA66HIR | -40 °C to +80 °C, (+105 °C, 500 h) | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature | RoHS |
| Polyamide 6.6, high impact modified, heat and UV stabilised | PA66HIRHSW | -40 °C to +110 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature Modified elevated max. temperature High yield strength, UV-resistant | RoHS |
| Polyamide 6.6, high impact modified, heat stabilised | PA66HIRHS | -40 °C to +105 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature Modified elevated max. temperature | RoHS |
| Polyamide 6.6, high impact modified, ScanBlack | PA66HIR(S) | -40 °C to +80 °C, (+105 °C, 500 h) | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Limited brittleness sensitivity Higher flexibility at low temperature | RoHS |
| Polyamide 6.6, UV-resistant | PA66W | -40 °C to +85 °C, (+105 °C, 500 h) | Black (BK) | UL 94 V2 | <ul style="list-style-type: none"> High yield strength UV-resistant | HF RoHS |

| MATERIAL | Material Shortcut | Operating Temperature | Colour** | Flammability | Material Properties* | Material Specifications |
|---|-------------------|---------------------------------------|-----------------------------|---------------------|--|--|
| Polyamide 6.6, with metal particles | PA66MP | -40 °C to +85 °C, (+105 °C, 500 h) | Blue (BU) | UL 94 HB | <ul style="list-style-type: none"> High yield strength Metal and X-Ray detectable | HF RoHS |
| Polyamide 6.6, with metal particles | PA66MP+ | -40 °C to +85 °C | Blue (BU) | not flame retardant | <ul style="list-style-type: none"> High yield strength Metal and x-ray detectable | HF RoHS |
| Polyamide 6.6 V0 | PA66V0 | -40 °C to +85 °C | White (WH) | UL 94 V0 | <ul style="list-style-type: none"> High yield strength Low smoke emission | HF LFH RoHS |
| Polyester | SP | -50 °C to +150 °C | Black (BK) | halogen free | <ul style="list-style-type: none"> UV-resistant Good chemical resistance to: most acids, alkalis and oils | HF LFH RoHS |
| Polyetheretherketone | PEEK | -55 °C to +240 °C | Beige (BGE) | UL 94 V0 | <ul style="list-style-type: none"> Resistance to radioactivity Not moisture sensitive Good chemical resistance to: acids, bases, oxidizing agents | HF LFH RoHS |
| Polyethylene | PE | -40 °C to +50 °C | Black (BK), Grey (GY) | UL 94 HB | <ul style="list-style-type: none"> Low moisture absorption Good chemical resistance to: most acids, alcohol and oils | HF RoHS |
| Polyolefin | PO | -40 °C to +90 °C | Black (BK) | UL 94 V0 | <ul style="list-style-type: none"> Low smoke emissions | HF LFH RoHS |
| Polypropylene | PP | -40 °C to +115 °C | Black (BK), Natural (NA) | UL 94 HB | <ul style="list-style-type: none"> Floats in water Moderate yield strength Good chemical resistance to: organic acids | HF RoHS |
| Polypropylene, Ethylene-Propylene- Dien-Terpolymere- rubber free of Nitrosamine | PP, EPDM | -20 °C to +95 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> Good resistance to high temperatures Good chemical and abrasion resistance | HF RoHS |
| Polypropylene with metal particles | PPMP | -40 °C to +115 °C | Blue (BU) | UL 94 HB | <ul style="list-style-type: none"> Metal and X-Ray detectable Heat resistant Moderate yield strength Good chemical resistance | RoHS |
| Polypropylene with metal particles | PPMP+ | -40 °C to +85 °C | Blue (BU) | not flame retardant | <ul style="list-style-type: none"> High yield strength Metal and x-ray detectable | HF RoHS |
| Polyvinylchloride | PVC | -10 °C to +70 °C | Black (BK), Natural (NA) | UL 94 V0 | <ul style="list-style-type: none"> Low moisture absorption Good chemical resistance to: acids, ethanol and oil | RoHS |
| Stainless Steel | SS304, SS316 | -80 °C to +538 °C | Natural (NA) | non-burning | <ul style="list-style-type: none"> Corrosion resistant Antimagnetic Weather resistant Outstanding chemical resistance | HF LFH RoHS |
| Thermoplastic Polyurethane | TPU | -40 °C to +85 °C | Black (BK) | UL 94 HB | <ul style="list-style-type: none"> High elastic Good chemical resistance to: acids, bases and oxidizing agents | HF RoHS |

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**More colours on request.

= Minimum Loop Tensile Strength for Cable Ties (Newton)

HF = Halogenfree
LFH = Limited Fire Hazard
RoHS = Restriction of Hazardous Substances

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