

1.6 Cable Ties and Fixings

Clips and Clamps



Aluminium "P-Clips" – with/without a Rubber Insert

Features and Benefits

Offering a simple, yet secure fixing, this range of clips can be used as a simple pipe or cable fixing (for example within caravan construction), or with the addition of the Chloroprene insert can be used to secure parts subject to vibration (for example to retain capacitors on a PCB).

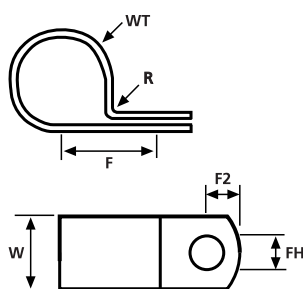
Ideal for use in high temperatures or for applications that require the strength of a metal component.

Application

Manufactured from a high quality aluminium these P-Clips provide flexibility and yet give a permanent fixing in the most arduous environments. The addition of a Chloroprene insert provides the cable or pipe bundle with a high degree of protection against vibration, reduces noise and also offers electrical isolation.



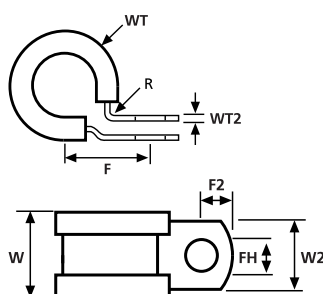
P-Clips manufactured in polyamide, aluminium, or aluminium with a chloroprene insert.



Aluminium P Clips

Material Data

Material	Aluminium-alloy
Colour	Natural (NA)
Operating Temperature	-40 °C to +180 °C



Aluminium P Clips with a Chloroprene insert

Material Data

Material	Aluminium-alloy, Chloroprene (CR)
Colour	Natural (NA), Black (BK)
Operating Temperature	-20 °C to +80 °C



Aluminium "P-Clips" – with/without a Rubber Insert

Technical Table

Article-No.	Type	Width (W)	Width (W2)	Wall (WT)	Wall (WT2)	Fixing Hole Ø (FH)	Bundle Ø max.	Fixing Hole Centres (F)	Fixing Hole Centres (F2)	Radius (R)	Material	Colour
211-10040	ALU4	12.7	–	0.8	–	5.2	6.4	11.6	5.5	1.6	ALU	Natural (NA)
211-10050	ALU5	12.7	–	0.8	–	5.2	8.0	12.6	5.5	1.6	ALU	Natural (NA)
211-10060	ALU6	12.7	–	0.8	–	5.2	9.5	13.4	5.5	1.6	ALU	Natural (NA)
211-10070	ALU7	12.7	–	0.8	–	5.2	11.1	14.2	5.5	1.6	ALU	Natural (NA)
211-10080	ALU8	12.7	–	0.8	–	5.2	12.7	15.0	5.5	1.6	ALU	Natural (NA)
211-10100	ALU10	12.7	–	0.8	–	5.2	15.9	16.6	5.5	1.6	ALU	Natural (NA)
211-10110	ALU11	12.7	–	1.3	–	5.2	17.5	19.1	5.5	2.8	ALU	Natural (NA)
211-10120	ALU12	12.7	–	1.3	–	5.2	19.1	19.9	5.5	2.8	ALU	Natural (NA)
211-10130	ALU13	12.7	–	1.3	–	5.2	20.6	20.7	5.5	2.8	ALU	Natural (NA)
With chloroprene profile												
211-15040	ALU4C	16.3	12.7	3.7	0.8	5.2	3.2	11.6	5.5	1.6	ALU, CR	Black (BK)
211-15050	ALU5C	16.3	12.7	3.7	0.8	5.2	4.8	12.6	5.5	1.6	ALU, CR	Black (BK)
211-15060	ALU6C	16.3	12.7	3.7	0.8	5.2	6.4	13.4	5.5	1.6	ALU, CR	Black (BK)
211-15070	ALU7C	16.3	12.7	3.7	0.8	5.2	8.0	14.2	5.5	1.6	ALU, CR	Black (BK)
211-15080	ALU8C	16.3	12.7	3.7	0.8	5.2	9.5	15.0	5.5	1.6	ALU, CR	Black (BK)
211-15090	ALU9C	16.3	12.7	3.7	0.8	5.2	11.1	15.8	5.5	1.6	ALU, CR	Black (BK)
211-15100	ALU10C	16.3	12.7	3.7	0.8	5.2	12.7	16.6	5.5	1.6	ALU, CR	Black (BK)
211-15110	ALU11C	16.3	12.7	4.5	1.3	5.2	14.3	19.1	5.5	2.8	ALU, CR	Black (BK)
211-15120	ALU12C	16.3	12.7	4.5	1.3	5.2	15.9	19.9	5.5	2.8	ALU, CR	Black (BK)
211-15130	ALU13C	16.3	12.7	4.5	1.3	5.2	17.5	20.7	5.5	2.8	ALU, CR	Black (BK)
211-15140	ALU14C	16.3	12.7	4.5	1.3	5.2	19.1	21.5	5.5	2.8	ALU, CR	Black (BK)
211-15150	ALU15C	16.3	12.7	4.5	1.3	5.2	20.6	22.3	5.5	2.8	ALU, CR	Black (BK)
211-15160	ALU16C	16.3	12.7	4.5	1.3	5.2	22.2	23.1	5.5	2.8	ALU, CR	Black (BK)
211-15170	ALU17C	16.3	12.7	4.5	1.3	5.2	23.8	23.9	5.5	2.8	ALU, CR	Black (BK)
211-15180	ALU18C	16.3	12.7	4.5	1.3	5.2	25.4	24.6	5.5	2.8	ALU, CR	Black (BK)
211-15190	ALU19C	16.3	12.7	4.5	1.3	5.2	27.0	25.5	5.5	2.8	ALU, CR	Black (BK)
211-15200	ALU20C	16.3	12.7	4.5	1.6	5.2	28.6	27.0	5.5	3.2	ALU, CR	Black (BK)
211-15220	ALU22C	16.3	12.7	4.5	1.6	5.2	31.8	28.6	5.5	3.2	ALU, CR	Black (BK)
211-15230	ALU23C	16.3	12.7	4.5	1.6	5.2	33.3	29.4	5.5	3.2	ALU, CR	Black (BK)
211-15240	ALU24C	16.3	12.7	4.5	1.6	5.2	34.9	30.2	5.5	3.2	ALU, CR	Black (BK)
211-15250	ALU25C	16.3	12.7	4.5	1.6	5.2	36.5	30.8	5.5	3.2	ALU, CR	Black (BK)
211-15260	ALU26C	16.3	12.7	4.5	1.6	5.2	38.1	31.7	5.5	3.2	ALU, CR	Black (BK)
211-15280	ALU28C	16.3	12.7	4.5	1.6	5.2	41.3	33.3	5.5	3.2	ALU, CR	Black (BK)
211-15290	ALU29C	16.3	12.7	4.5	1.6	5.2	42.9	34.1	5.5	3.2	ALU, CR	Black (BK)
211-15300	ALU30C	16.3	12.7	4.5	1.6	5.2	44.5	34.9	5.5	3.2	ALU, CR	Black (BK)
211-15340	ALU34C	16.3	12.7	4.5	1.6	5.2	50.8	38.1	5.5	3.2	ALU, CR	Black (BK)

All dimensions in mm. Subject to technical changes.

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