

Cushion Grip® Suspension & Support



General Recommendations



Features:

- Shipped fully assembled with no loose parts. All fasteners are factory installed to eliminate lost hardware in the field
- Installation time is saved due to the simplicity of the product, approximately a quarter of the time to install compared to a typical Armour Grip suspension unit.
- Conductor bending and fatigue is reduced at critical points by the elastomer inserts.

Cushion Grip Suspension:

- Designed for corona free operation in EHV applications.
- Ultimate vertical load of 111kN
- Ultimate slip load of between 10–15% of conductor UTS.
- Normal operating temperature of 125°C
- Available for high temperature applications, up to 200°C utilising a high temperature insert.

Cushion Grip Support:

- Ultimate vertical load of 22.4kN
- Ultimate slip load of between 10–15% of conductor UTS.
- Normal operating temperature of 125°C

SAFETY CONSIDERATIONS

- The cushion grip suspension and support is intended for use on all aluminium based conductors and is designed to reduce the static and dynamic stresses at the support point. The conductor is cushioned by field proven integral elastomer inserts which guard against abrasion, wear and fatigue.

The level of protection provided by the cushion grip range is comparable to a bolted clamp over armor rods. This equates to a reduction in bending strain as high as 50% as compared to a bare conductor in a bolted clamp.

The standard cushion grip suspension and support is designed for up to 125°C continuous conductor operation. A high temperature version is available in the cushion grip suspension range which can be used for applications with continuous conductor operating temperatures up to 200°C.

Cushion Grip® Suspension



For Aluminium Based Conductors



CGS

Part Number	Conductor Range (mm)		Standard Pack Quantity
	Min	Max	
CGS-1100	15.50	16.80	3
CGS-1101	16.80	18.00	3
CGS-1102	18.00	19.20	3
CGS-1103	19.20	20.30	3
CGS-1104	20.30	21.40	3
CGS-1105	21.40	22.40	3
CGS-1106	22.50	23.60	3
CGS-1107	23.70	24.90	3
CGS-1108	24.90	26.10	3
CGS-1109	26.10	27.20	3
CGS-1110	27.30	28.30	3
CGS-1111	28.30	29.40	3
CGS-1112	29.40	30.40	3
CGS-1113	30.40	31.40	3
CGS-1114	31.40	32.90	3
CGS-1115	32.90	34.30	3
CGS-1116	34.30	35.60	3
CGS-1117	35.60	36.90	3
CGS-1118	36.90	38.10	3
CGS-1119	38.10	39.20	3
CGS-1120	39.20	39.80	3
CGS-1121	39.80	41.60	3
CGS-1122	41.70	43.30	3
CGS-1123	43.40	45.00	3
CGS-1124	45	46.5	3
CGS-1125	46.6	48	3
CGS-1126	48.1	49.5	3
CGS-1127	49.5	50.8	3
CGS-1128	50.8	52.1	3

Cushion Grip® Support

For Aluminium Based Conductors



CGS

Part Number	Conductor Range (mm)		Standard Pack Quantity
	Min	Max	
CGS-2100	9.5	14.3	3
CGS-2101	14.3	22.4	3
CGS-2102	22.4	30.4	3