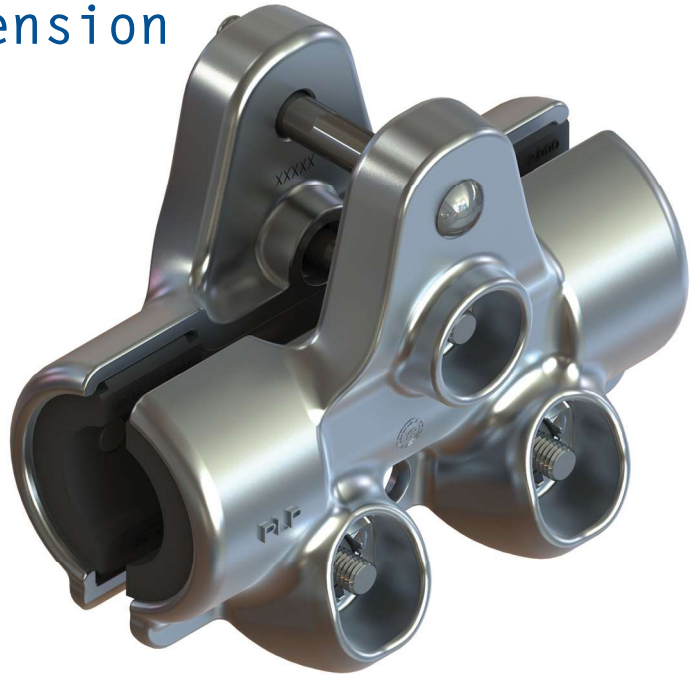


CUSHION-GRIP™ Suspension



General Recommendations

CUSHION-GRIP™ Suspensions are intended for use on all aluminium based conductors, and are designed to reduce the static and dynamic stresses at the support point so that the conductor is protected against the effects of oscillations. 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™ Suspension is comparable to a bolted clamp over armor rods. This equates to a reduction in bending strain as high as 50% as compared to bare conductor in a bolted clamp. This reduction in bending strain can be directly related to an increase in overall conductor life. The standard CUSHION-GRIP™ Suspension is designed for up to 125°C continuous conductor operation (150°C two hour emergency) and the CGS – HT version can be used for applications with continuous conductor operating temperatures up to 220°C (225°C two hour emergency)

Features and Benefits

The CUSHION-GRIP™ Suspension is shipped assembled with no loose parts. All fasteners are factory installed to eliminate lost hardware in the field.

Labour Savings: To install the CUSHION-GRIP™ Suspension simply spread the body halves, places over the conductor and tighten bolts.

Integral Cushions: Minimize conductor bending stresses at critical entry locations.

Compatible: With standard attachment hardware, designed for EHV applications – corona free in bundled 345 Kv applications.

Easy Hot Stick Application: Lower captive fasteners act as hinge to facilitate hot stick application. Can be supplied with a bolt/nut/cotter in place of suspension pin cotter.

Vertical Ultimate Load: The vertical ultimate load of the CUSHION-GRIP™ Suspension is 111 kN.

Slip Load: When initially installed, the CGS Clamp has a slip load that ranges between 10% to 15% of the conductor’s rated breaking strength (RBS).

Line Angle: The maximum recommended line angle for a CUSHION-GRIP™ Suspension is 30° as a single suspension and 60° in a double configuration utilizing a yoke plate.

Catalogue No.: CG

CATALOGUE NO.	CONDUCTOR RANGE (mm)		HEIGHT (mm)	WIDTH (mm)		LENGTH (mm)	WEIGHT (kg)	VERTICAL ULTIMATE LOAD (kN)
	MIN	MAX		MIN	MAX			
CGS 610 – 882	15.5	22.4	135	84	98	169	1.8	111
CGS 883 – 1197	22.5	30.4	152	84	98	162	2.5	111
CGS 1198 – 1543	30.5	39.2	159	84	98	218	3.0	111

