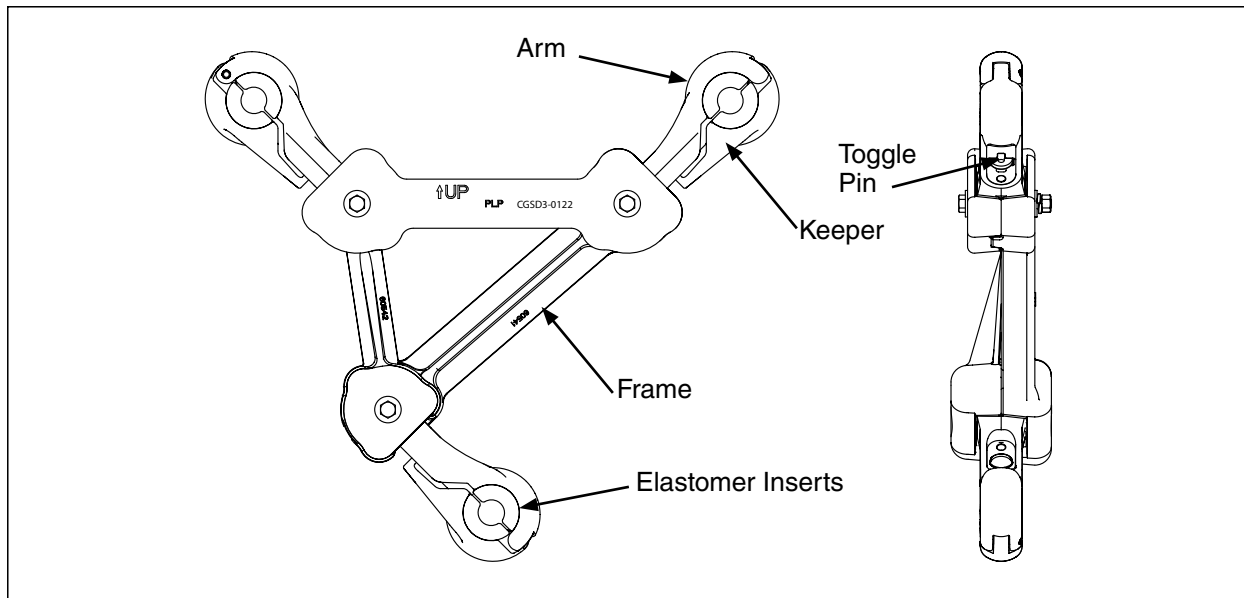


CUSHION-GRIP® Spacer Damper (Type "B" & Type "C")

NOMENCLATURE

Thermal Rating
Standard: 125°C
HT Version: 200°C



GENERAL INFORMATION

The CUSHION-GRIP Spacer Dampers for Twin, Tri, Quad and Hex Bundles feature elastomer damping elements engineered to absorb maximum energy. This design provides the greatest possible resistance to conductor fatigue by eliminating the need for additional vibration dampers.

UNIQUE DESIGNS

The Type "B" design was developed in cooperation with the Engineering Team at PLP-Brazil to meet the demanding requirements of IEC Specification 61854, while maintaining a light overall weight and exceptional performance.

The Type "C" design was developed in conjunction with PLP-Great Britain to exceed the extremely difficult performance requirements established by the National Grid Company in the early 1990s. As such, this design is heavier and more robust and is well suited for areas where traditional spacer dampers have experienced premature performance problems or failures.

PATENTED DAMPING ELEMENTS

Both the Type "B" and Type "C" designs employ unique damping elements which are captured in a way which assures the elastomer is always in compression, providing maximum service life.

FIELD PROVEN

Both spacer damper designs have been used extensively throughout Europe and Brazil since their introduction in the early 1990s.

CLAMP FASTENER ASSURES PROPER INSTALLATION

A high strength 1/4 turn fastener is employed in the elastomer lined conductor clamp to insure proper installation. This design provides consistent compression of the elastomer liners without relying on specific bolt torque values or bolts with break-away heads.

PLACEMENT IS THE KEY TO PERFORMANCE

PLP's extensive experience and laboratory and field testing allow us to provide you with placement recommendations that will minimize the motion of conductor bundles and maximize the longevity of the Spacer Damper.



CUSHION-GRIP® Spacer Damper (Type "B" & Type "C")

ORDERING INFORMATION

For standard 18" (457mm) sub-conductor spacing the catalog numbers are:

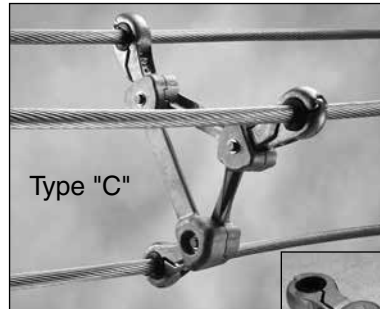
CGSDT-X45YZ

Where T is B for Type "B" or "C" for Type "C"
YZ is taken from the conductor range table below
X is 2 for Twin, 3 for Tri, 4 for Quad, 6 for Hex

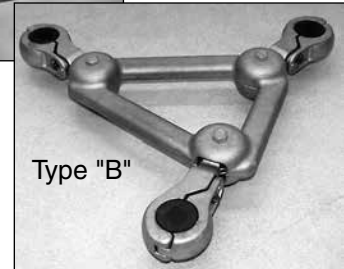
Example:

CGSDB-34529 is a Type "B" Spacer Damper for a Tri Bundle of conductors within a diameter range of 1.107" to 1.146" (28-29 mm).

Note: For high temperature (HT) version add HT to the catalog number (Example CGSDB-34529HT).



Type "C"



Type "B"

YZ	Conductor Range Inches (mm)
18	0.673-0.713 (17-18)
19	0.714-0.752 (18-19)
20	0.753-0.791 (19-20)
21	0.792-0.831 (20-21)
22	0.832-0.870 (21-22)
23	0.871-0.909 (22-23)
24	0.910-0.949 (23-24)
25	0.950-0.988 (24-25)
26	0.989-1.028 (25-26)
27	1.029-1.067 (26-27)
28	1.068-1.106 (27-28)
29	1.107-1.146 (28-29)
30	1.147-1.185 (29-30)
31	1.186-1.224 (30-31)

YZ	Conductor Range Inches (mm)
32	1.225-1.264 (31-32)
33	1.265-1.303 (32-33)
34	1.304-1.345 (33-34)
35	1.346-1.382 (34-35)
36	1.383-1.421 (35-36)
37	1.422-1.461 (36-37)
38	1.462-1.500 (37-38)
39	1.501-1.539 (38-39)
40	1.540-1.579 (39-40)
41	1.580-1.618 (40-41)
42	1.619-1.657 (41-42)
43	1.658-1.697 (42-43)
44	1.698-1.736 (43-44)
45	1.737-1.776 (44-45)
46	1.777-1.821 (45-46)

Contact PLP® for other sub-conductor spacings and configurations.

Catalog Number	Description
00071033	CUSHION-GRIP Spacer Damper installation tool

