Spacer Damper

HELIX/Hydro-Québec
Licensed Technology

NOMENCLATURE

GENERAL INFORMATION

Hydro-Québec developed an advanced spacer damper with exceptional properties which were validated by testing in laboratory, experimental line and in the field. Since 1979, over 800,000 of these spacer dampers have been installed worldwide. In difficult environmental conditions, the HELIX/ Hydro-Québec spacer damper provides wind-induced motion control and endurance to important dynamic loads superior to other systems available on the market.

FEATURES AND BENEFITS

The original articulation mechanism of the HELIX/Hydro-Québec spacer damper consists of elastomer cylinders housed around a central pivot in a cavity within the arm of frame. Since the elastomers are subjected mainly to compression stresses, the spacer damper articulation possesses an unparalleled fatigue resistance.

The HELIX/Hydro-Québec spacer damper uses helical rod conductor clamps, which provide a firm, dependable hold, wrapping the end of each arm and winding round the conductor over a length of at least one meter.

The strong all-round performance, especially under heavy ice load conditions, provides effective long-term protection against the loosening of attachment systems and the wearing out of conductors.

Due to its inherent design features the HELIX/Hydro-Québec spacer damper is particularly suited to applications in severe weather conditions areas where dependability and long life are important.

EAT	Spacer Damper with rod attachment system
Y	Bundle Configuration: 2 for twin and 4 for quad
XXX	The spacing distance between conductor in mm (406 for 16", 457mm for 18" and 500mm spacing are available.
ZZZ	Conductor Diameter Range (mm)

Example: EAT4-457-279
Represents the quad Spacer-damper armor rod attachment with 457 mm spacing for conductor diameter range from: 27.0 mm to 27.9 mm. For model selection, please refer to the following charts:

HELIX Spacer Damper - Armor rods	
EATY-XXX-ZZZ	**Conductor Diameter (mm)**
-221	21.2-22.1
-233	22.2-23.3
-243	23.4-24.3
-253	24.4-25.3
-263	25.4-26.3
-269	26.4-26.9
-279	27.0-27.9
-289	28.0-28.9
-296	29.0-29.6
-306	29.7-30.6
-316	30.7-31.6
-326	31.7-32.6
-336	32.7-33.6
-346	33.7-34.6
-356	34.7-35.6
-366	35.7-36.6
-376	36.7-37.6
-386	37.7-38.6
-396	38.7-39.6
-406	39.7-40.6
-416	40.7-41.6

TECHNICAL SUPPORT

Due to many parameters involved for optimum performance, PLP will provide complete support for model selection and specific placement schemes.