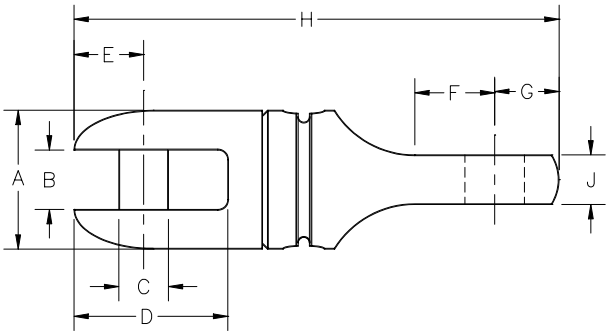
OPERATING SPECIFICATIONS

DCD Design & Manufacturing Ltd.

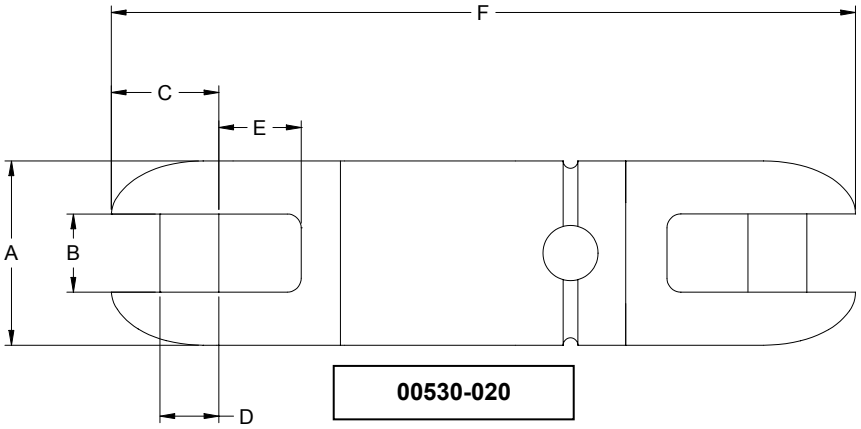
SERIES 00530 BREAKAWAY CONNECTOR

1. The connector is intended as mechanical overload protection for use when installing fiber optic cable. It is used in conjunction with series 00535 or 00555 breakaway pins.

2. **The connector is not designed to run around bull wheels**.



00530-010



00530-020

Part Number	A	B	C	D	E	F	G	H	J	K	Net Weight
00530-010	**7/8”** 22 mm	**3/8”** 9.5 mm	**5/16”** 7.9 mm	**31/32”** 24.6 mm	**7/16”** 11.1 mm	**1/2”** 12.7 mm	**13/32”** 10.3 mm	**3-1/16”** 78 mm	**5/16”** 7.9 mm	**3/8”** 9.5 mm	**0.25 lb** 0.11 kg
00530-020	**1-1/4”** 31.8 mm	**1/2"** 13.5 mm	**3/4"** 18.6 mm	**13/32”** 10.2mm	**9/16”** 14.2 mm	**5-1-16”** 128.5 mm	**N/A**	**N/A**	**N/A**	**N/A**	**1 lb** 0.45 kg

Dimensions and weights subject to change without notice.

The **Underground Safe Working Limit** is calculated using a 3:1 safety factor based on the ultimate load.
The **Overhead Safe Working Limit** is calculated using a 5:1 safety factor based on the ultimate load.
The **Ultimate Load** is the tensile load required to separate the connector into two or more parts.

All of breakaway pins used with this connector are designed to fail at a load much lower than the safe working load of the connector.

3/3/2009

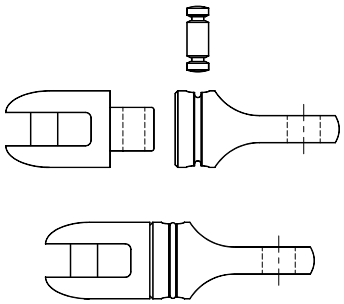
OPERATING INSTRUCTIONS

DCD Design & Manufacturing Ltd.

SERIES 00530 BREAKAWAY CONNECTOR

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE USING THESE PRODUCTS

INSTALLATION



1. Remove the split ring and insert the breakaway head into the bore in the breakaway body. Align the hole through the body with the hole through the head.

2. Select a breakaway pin with the appropriate breaking strength and insert into the connector.

3. Replace the split ring to retain the pin in place.

4. Use a new breakaway pin for each pullback.

SAFETY

DANGER

1. The connector is designed to operate only within its specified **safe working limit** (see *Operating Specifications*). Operation of the connector at loads in excess of its **safe working limit** will void the warranty even though separation due to failure will not occur until the specified **ultimate load** is reached.

2. For underground use, the recommended safe working limit is 3:1 based on the ultimate load. For overhead use, the required safe working limit is 5:1 based on the ultimate load due to the higher risk of severe personal injury or property damage.

3. The connector is not designed to be pulled over sheaves or bullwheels since a bending load acts to increase the tension in the connector and may cause damage.

4. Never use a worn, defective or incomplete component. Ensure that all components of the pulling system are able to withstand the maximum pulling loads. Components not rated for the pull force may break and release the stored energy of the pull.

5. Do not modify the connector. It is only covered by a warranty in its “as shipped” form. Any attempt to modify the connector will void the warranty and may result in property damage, severe bodily harm, or death.

6. Be prepared for the unexpected. Use recognized safety practices and wear recognized safety equipment.

SERVICE

1. After each use, examine the condition of the connector. Replace worn or bent clevis pins with original equipment manufacturer’s pins.