

ABstrap™ Lashing Strap System

FUNCTION

Allied Bolt's ABstrap™ Lashing Strap System is used to attach aerial communications cables to the supporting strand. ABstraps™ can be used at splice cases, expansion loops, lashing wire clamps, fiber optic storage loops, aerial to underground transitions, and in many other cable supporting applications. Spacers provide a standoff between the strand and cable. Applications for the ABstrap™ System are unlimited.

PLACEMENT

ABstraps™ are a smart alternative to metal straps and spacers. ABstraps™ have no sharp edges and are safer, easier, and faster to install. ABstraps™ are infinitely adjustable and are precisely tightened and trimmed with the use of the 1073 tensioning tool. The ABstrap™ System has a variety of support fasteners available for attaching cables in a variety of applications.

MATERIAL SPECIFICATIONS

- Strap Material is extruded from Acetal, a black Polyoxymethylene (POM) resin. POM is a highly versatile engineered polymer that offers superior mechanical properties including strength and rigidity over a broad temperature range, toughness, resistance to repeated impact and good electrical insulation. The resin has superior dimensional stability, long-term creep resistance, long-term fatigue resistance and excellent resistance to UV, moisture, chemicals, solvents and fuels.
- The Strap is 1/2" wide and .055" thick. ABstraps™ have a minimum tensile strength of 250 lbs. They are resistant to temperature changes and can withstand a range from -30 °F to 150°F. They are designed to last over 20 years in service without failure.
ABstraps™ are available in four standard lengths:
 - 1) 13 1/2" long with an attached locking head.
 - 2) 16" long with an attached locking head.
 - 3) 27" long with an attached locking head.
 - 4) 50' reel (without locking heads).
- Locking Heads are molded from black Acetal resin. The locking device is formed from a 302 extra hard grade of Stainless Steel.



Strap
with Locking Head



Locking Head



Reel without
Locking Head



Stackable Spacer



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Tensioning Tool



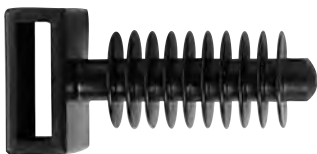
Steel Brackets



Screw Mounting Base



Drop Wire Support



Mounting Fastener

ACCESSORY SPECIFICATIONS

- Tensioning Tool is used to tighten ABstraps™ and remove the excess section of the strap. The tightening and trimming process is accomplished in one step using the tool.
- Spacers are stacked together in 1/2" increments to accommodate a wide variety of applications in the field. Spacers are molded from UV resistant Polypropylene.
- Steel Brackets are mounted with a screw or anchor. The ABstrap™ attaches directly to these brackets. Spacers prevent the cable from touching the brackets. Brackets are available in a horizontal or vertical configuration for use in a variety of applications. Brackets are stamped from ASTM 1010 Steel and mechanically galvanized to meet ASTM Specification B695.
- Screw Mounting Bases are mounted with wood screws or anchors. The ABstrap™ attaches through slots on the base. The base cradles the cable when the strap is tightened. Screw Mounting Bases are sized based on the diameter of screws accepted. The three sizes available are: #8, #10 or #14. Screws are ordered separately. Base is molded from UV resistant Polypropylene.
- Drop Wire Support Bracket has a 1 1/4" bridal ring on one end and a mounting slot to accept the ABstrap™ on the other end. Brackets are used to secure drop wires when they run perpendicular to the strand. Brackets are formed from ASTM 1010 Steel then powder coated black.
- Mounting Fastener is installed by inserting the fastener in a 3/8" hole. ABstraps™ attach through a slot in the head of the fastener. Fastener is molded from UV resistant Polypropylene.

INSTALLATION

Allied Bolt recommends using the ABstrap™ Tensioning Tool to tighten and trim the straps. The tool insures that consistent tension is applied to the strap and that the strap end is cut cleanly.

IDENTIFICATION

PART NO.	DESCRIPTION	STD PKG
1070	13 1/2" Strap with Locking Head	50
1085	16" Strap with Locking Head	50
1071	27" Strap with Locking Head	25
1075	50' Reel of Strap without Locking Head	10
1084	Kit with (5) 50' Reels and 150 Locking Heads	1
1083	Kit with (10) 50' Reels and 300 Locking Heads	1
1074	Stackable Spacers	25
1073	Tensioning Tool	1
1081	Steel Bracket for Vertical Runs	50
1080	Steel Bracket for Horizontal Runs	50
1076	Bridal Ring Style Drop Wire Support	25
1082	Mounting Fastener Plastic	50
1077	#8 Mounting Screw Base	25
1078	#10 Mounting Screw Base	25
1079	#14 Mounting Screw Base	25