

## Avery Dennison™ Directional Slot Tie

A versatile fastener that permits left-to-right harness alignment for greater installation flexibility.

Automotive electrical wire harnesses, hoses and cables positioned and fastened with Avery Dennison Directional Slot Ties resist slippage and rotation. Unlike traditional slotted-hole fasteners, the Directional Slot Tie securely attaches to the *sides* of your application's slotted hole, instead of the ends. This mounting feature accommodates extended (7 mm x 12 mm minimum length) oval and rectangular slotted holes.

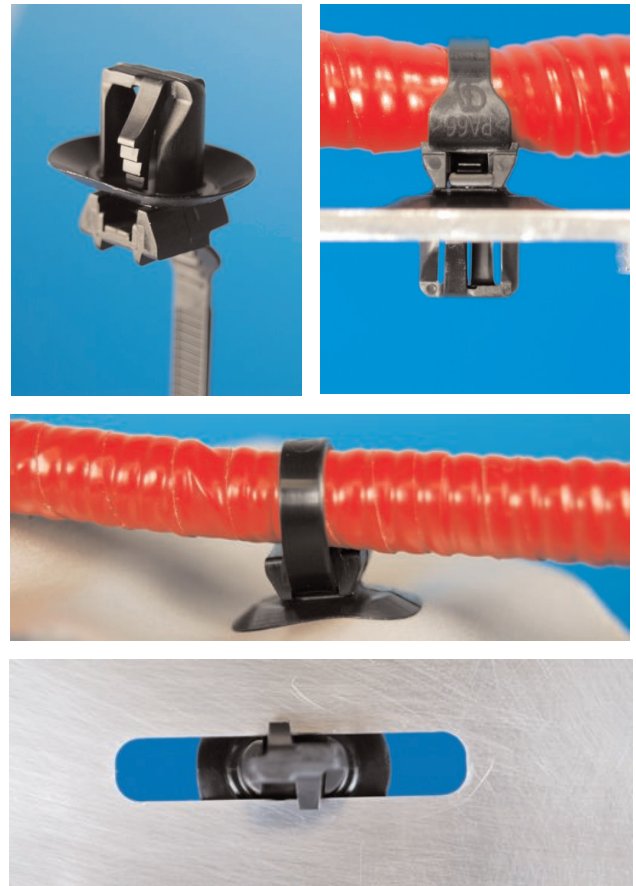
The highly versatile tie permits left-to-right adjustments that can compensate for harness alignment and enhance your productivity during installation.

Ergonomically designed to ease installer fatigue, the Directional Slot Tie offers a maximum insertion force of only 12 lbs., while maintaining a minimum extraction force of 35 lbs. The tie's oval dish accommodates curved sheet metal surfaces, offering potential enhancements against noise, vibration and harshness conditions (NVH), and satisfies automotive panel thicknesses ranging from 0.7 mm to 3.0 mm.

The tie's cobra-style strap fastens a range of bundle diameters, even down to a single wire, without risk of wire shearing. Strap geometry is specifically configured to prevent clip rotation and slippage during harness assembly and final vehicle installation.

### Key features and benefits

- Mounts into 7 mm x 12 mm (minimum length) oval and rectangular slotted-holes.
- Accommodates low insertion force of 12 lbs. maximum, while maintaining minimum extraction force of 35 lbs.
- Fastens harnesses of various bundle diameters without rotation, slippage or shearing.
- Oval dish accommodates curved sheet metal surfaces to satisfy NVH requirements.
- Satisfies panel thicknesses ranging from 0.7 mm to 3.0 mm.
- Continuous slot adjustment improves assembly efficiency.
- Successfully tested at 125 C for under-hood applications.



Securely attaches to the **sides** of slotted holes, instead of the ends.

**Avery Dennison™**  
Directional Slot Tie



**Accessories:** Avery Dennison Cable Tie Installation Tool's ergonomic design reduces operator fatigue while efficiently tightening cable ties during high-production operations.

**Americas**  
Avery Dennison Corporation  
Fastener  
224 Industrial Road  
Fitchburg, MA 01420  
Tel: 888-225-8802  
Fax: 888-255-7114  
Email: fastener.usa@averydennison.com

**Asia**  
Avery Dennison Corporation  
Fastener  
2/F 33 Chun Choi Street  
Yan Hing Industrial Building  
Tseung Kwan O Industrial Estate  
New Territories  
Hong Kong  
Tel: 852-2555-9441  
Fax: 852-2873-6436  
Email: info\_fap@ap.averydennison.com

**Europe, Middle East and Africa**  
Avery Dennison UK Ltd.  
Unit 1, Thomas Road  
Woburn Industrial Park  
Woburn Green  
Bucks HP10 0PE  
United Kingdom  
Tel: 44 (0) 1628 859530  
Fax: 44 (0) 1628 859567  
Email: fast.info@eu.averydennison.com

www.fastener.averydennison.com

**AVERY DENNISON MARKETING SPECIFICATION**

**ASSEMBLED VIEW**

**MOUNTING HOLE VIEW**

MOUNTING:	7MM X 12MM MIN. SLOTTED HOLE
PANEL THICKNESS RANGE:	0.7MM TO 3.0MM
TENSILE STRENGTH: (LOOPED)	50 LBSF. / 22.7 KGF. MINIMUM
MATERIAL:	IMPACT MODIFIED NYLON 6/6
WEIGHT:	1.84 GRAMS/EACH
BUNDLE DIAMETER RANGE:	Ø1.6MM TO Ø38.1MM
APPLICATION TOOL:	12001 – HAND INSTALLATION TOOL 12500 – PNEUMATIC INSTALLATION TOOL
TOOL TENSION SETTING:	6–8
PACKAGING:	500/BAG, 10 BAGS/MASTER
COLOR:	BLACK
<b>DESCRIPTION: DIRECTIONAL SLOT TIE</b>	
<b>STOCK NO. 20115</b>	

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**About Avery Dennison**

Avery Dennison is committed to product innovation, service excellence and maintaining the highest quality standards to exceed our customers' expectations. Standards include: Quality Management--ISO/TS16949, Environmental--ISO14001, Health and Safety--OHAS18000. With over 30 year's experience in product development and innovation, Avery Dennison can design Directional Slot Ties that meet your specific needs.

