



**AUTOMOTIVE
FASTENING
SOLUTIONS
POSITIONING
BUNDLING
SECURING
LOCATING**



GENERAL MOTORS CROSS REFERENCES


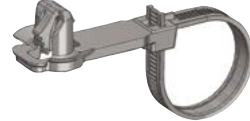
Fir Tree - Straight		
<p>20154-0^{1,2} (Black, LIFT) 20154-N (Natural)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p> <p>84112517 (Black) 87831293 (Natural)</p>	<p>10710-0 (Black)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>15324233 / 24245240</p>	<p>20106-0¹ (Black) 20106-N (Natural)</p>  <p>Hole: Ø 6.35mm Panel: Manifold Cover Bundle Ø: 1.6 - 45.0mm</p> <p>84677085 (Black) 87831289 (Natural)</p>
<p>20120-0^{1,2} (Black, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p> <p>84677075</p>	<p>20042-0^{1,2} (Black) 20002-0 (Gray) 20042-N (Natural)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112524(Blk), 11546658(Gry) 87831287 (Natural)</p>	<p>20299-0^{1,2} Std Strap (Black, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 44.5mm (7.5" Strap)</p> <p>87831277</p>
<p>20297-0^{1,2} HD Strap (Black, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 101.6mm (14.5" Strap)</p> <p>87831275 (Black)</p>	<p>20318-0 Std Strap (Black, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 16.0mm Bundle Ø: 44.5mm (7.5" Strap)</p> <p>Click Image for Demonstration 85086007</p>	<p>20317-0 HD Strap (Black, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 16.0mm Bundle Ø: 101.6mm (14.5" Strap)</p> <p>Click Image for Demonstration 85086008</p>
<p>20370-0 (Black, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 16.0mm</p>	<p>20185-0^{1,2} (Black, LIFT) 20185-N (Natural)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.1mm</p> <p>26322526(Black), 87831262 (Natural)</p>	<p>20276-0^{1,2} (Black, LIFT) 20276-N (Natural) 20276-G (Gray)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p> <p>87831296(BIK), 87831265(Nat), 85086011 (Gray)</p>










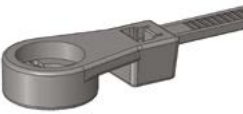


Fir Tree - Straight		
<p>20171-0^{1,2} (Black, LIFT) 20171-N (Natural, LIFT)</p>  <p>Hole: Ø 6.1-6.85mm / M8 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 30.0mm</p> <p>84659133 (Black) 85086010 (Natural)</p>	<p>20140-0^{1,2} (Black, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 35.0mm</p>	<p>20098-0^{1,2} (Black, LIFT) 20105-0 (Gray, LIFT) 20098-N (Natural, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>24259074 (Black) 87831288 (Natural)</p>
<p>10711-0 (Black) 10719-0 (Gray)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 6.35 - 47.0mm</p> <p>11518411 (Black)</p>	<p>10709-0 (Black) 10709-N (Natural)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>15324232 (Black)</p>	<p>20049-0 (Black) 20050-0 (Gray) 20049-N (Natural)</p>  <p>Hole: Ø 8.0mm ±.25mm / M10 Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>11548987 (Black) 85086012 (Natural)</p>
<p>20086-0 (Brown, stopper)</p>  <p>Hole: Ø 8.0mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 22.2 - 45.0mm</p>	<p>20094-0² (Black)</p>  <p>Hole: Ø 8.0mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>11548857</p>	<p>20117-0^{1,2} (Black) 20127-0 (Natural)</p>  <p>Hole: Ø 8.0mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84396606 (Black) 85086006 (Natural)</p>
<p>20103-0¹ (Black, LIFT)</p>  <p>Hole: Ø 10.0mm ±0.25mm Panel: 0.6 - 5.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84659132 (Black)</p>	<p>20110-0 (Black, LIFT) 20110-N (Natural)</p>  <p>Hole: Ø 11.5mm ±0.25mm Panel: 0.6 - 8.50mm Bundle Ø: 1.6 - 45.0mm</p> <p>26293948 (Black) 87831290 (Natural)</p>	


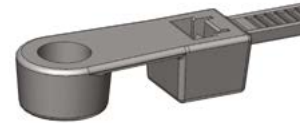
Fir Tree - Offset		
<p>20136-0² (Black, 15mm)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 6.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112536</p>	<p>20137-0 (Gray, 15mm)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 6.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112537</p>	<p>20058-0 (Black, 25mm)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 6.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>19208906 / 84677083</p>
<p>20066-0 (Gray, 25mm)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 6.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84677080</p>	<p>20289-0^{1,2} (Black, 12.5mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p> <p>87831267</p>	<p>20291-0^{1,2} (Black, 25mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p> <p>87831269</p>
<p>20293-0^{1,2} (Gray, 12.5mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p> <p>87831271</p>	<p>20295-0^{1,2} (Gray, 25mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p> <p>87831273</p>	<p>20159-0 (Black, 15mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p>
<p>20135-0² (Black, 15mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112520</p>	<p>20161-0¹ (Gray, 15mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p> <p>84677078 (Black) 84677086 (Black)</p>	<p>20129-0² (Gray, 15mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112521</p>

Fir Tree - Offset		
<p>20160-0² (Black, 25mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p> <p>84677077</p>	<p>20132-0¹ (Black, 25mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112522</p>	<p>20162-0 (Gray, 25mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p> <p>84677079</p>
<p>20133-0¹ (Gray, 25mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p> <p>84112523</p>	<p>20121-0 (Black, 25mm)</p>  <p>Hole: Ø 8.0 mm ±0.25mm / M10 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20122-0¹ (Gray, 25mm)</p>  <p>Hole: Ø 8.0 mm ±0.25mm / M10 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>
<p>20032-0 (Black, 25mm)</p>  <p>Hole: Ø 9.5mm ±0.25mm Panel: 0.6 - 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20073-0 (Gray, 25mm)</p>  <p>Hole: Ø 9.5mm ±0.25mm Panel: 0.6 - 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	

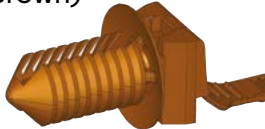

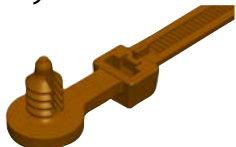
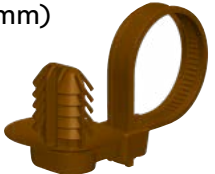
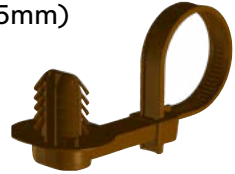


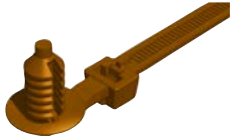



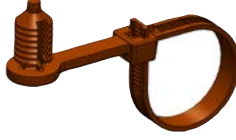
Arrow Tie		
<p>10691-2 (Black)</p>  <p>Hole: Ø 4.8mm Panel: 0.6 - 2.4mm Bundle Ø: 1.6 - 22.0mm</p>	<p>08445-0 (Black) 08414-0 (Natural)</p>  <p>Hole: Ø 6.35mm Panel: 0.6 - 3.2mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20131-0^{1,2} (Black)</p>  <p>Hole: Ø 6.35mm-Ø 7.00mm Panel: 0.6 - 3.5mm Bundle Ø: 1.6 - 38.0mm</p>
		84677084
<p>20087-0 (Black)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 5.0mm Max. Bundle Ø: 6.35 - 45.0mm</p>	<p>20060-0 (Black)</p>  <p>Hole: Ø 9.6mm ±0.4mm Panel: 2.0 - 10.0mm Max. Bundle Ø: 6.4 - 19.0mm</p>	<p>20179-0¹ (Black)</p>  <p>Hole: Ø 6.2-7mm x 12-12.2mm Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 38.0mm</p>
84112526		
<p>20115-0^{1,2} (Black) 20123-0 (Gray) 20115-N (Natural)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 38.0mm</p>		
84112529(Blk), 84112516(Gry) 87831291(Natural)		

Arrow Tie – Offset		
<p>20142-0 (Black, 15mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20143-0² (Gray, 15mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20144-0 (Black, 25mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>
87831294	84396608	84112515
<p>20147-0 (Gray, 25mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20148-0 (Black, 35mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20149-0¹ (Gray, 35mm offset)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>
84221966		


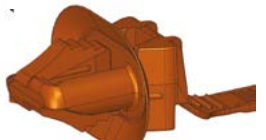

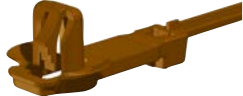
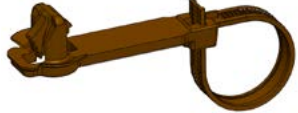
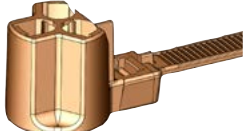

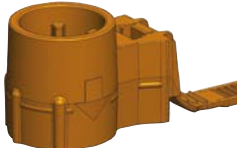
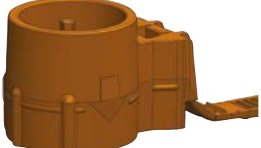

Bolt Mount		
<p>20145-0 (Gray)</p>  <p>Stud: M5 / T5 Min. Bolt Height: 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20146-0^{1,2} (Black) 20146-N (Natural)</p>  <p>Stud: M5 / M6 Min. Bolt Height: 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>10708-0^{1,2} (Black)</p>  <p>Stud: M5 / M6 Min. Bolt Height: 8.0mm Bundle Ø: 1.6 - 45.0mm</p>
84112533	84112534 (Black) 87831292 (Natural)	84112527
<p>20152-0¹ (Black)</p>  <p>Stud: M8 Min. Bolt Height: 4.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20011-0 (Black) 20013-0 (Gray)</p>  <p>Stud: M8 Min. Bolt Height: 9.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20153-0¹ (Black)</p>  <p>Stud: M10 Min. Bolt Height: 4.0mm Bundle Ø: 1.6 - 38.0mm</p>
84112531	84221971 (Black) 84112530 (Gray)	84112535
<p>20116-0 (Black)</p>  <p>Stud: M12 Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20051-0 (Black) 20062-0 (Natural)</p>  <p>Stud: M5 / M6 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20065-0 (Black, 25mm)</p>  <p>Stud: M5 / M6 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>
84659131	84112514 (Black)	84112532
<p>20045-0 (Black)</p>  <p>Stud: M6 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20360-0 (Black)</p>  <p>Stud: M6 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 44.5mm</p>	<p>20044-0² (Gray)</p>  <p>Stud: M8 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>
		24262933

Bolt Mount		
<p>20139-0 (Black)</p>  <p>Stud: M10 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>08443-0 (Black)</p>  <p>Stud: #10 Screw Bundle Ø: 1.6 - 45.0mm</p>	<p>20085-0 (Natural)</p>  <p>Stud: 1/4" Screw Bundle Ø: 1.6 - 45.0mm</p>
84396607		84659134

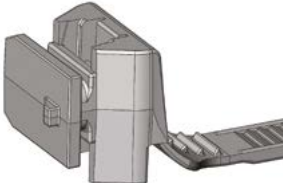
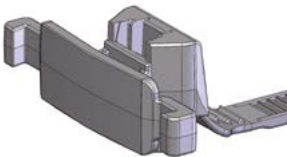
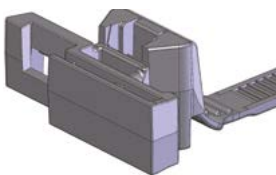
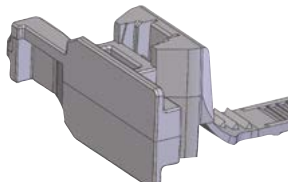
High Temperature		
<p>20154-HHBN (Brown, LIFT)</p>  <p>Hole: Ø M6 Threaded Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20106-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: Manifold Cover Bundle Ø: 1.6 - 45.0mm</p>	<p>20120-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>
	84677085	84659137
<p>20042-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20299-HHBN Std Strap (Brown, LIFT)</p>  <p>Hole: Ø 6.2 - 7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 44.5mm (7.5" Strap)</p>	<p>20297-HHBN HD Strap (Brown, LIFT)</p>  <p>Hole: Ø 6.2 - 7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 101.6mm (14.5" Strap)</p>
	87831278	87831276
<p>20185-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.1mm</p>	<p>20276-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p>	<p>20171-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.1mm - 6.85mm/M8 Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 30.0mm</p>
26327137	87831264	
<p>20140-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 35.0mm</p>	<p>20098-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20094-HHBN (Brown)</p>  <p>Hole: Ø 8.0mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 45.0mm</p>
84501388	84501389	87831280

High Temperature		
<p>20117-HHBN (Brown)</p>  <p>Hole: Ø 8.0mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20103-HHBN (Brown, LIFT)</p>  <p>Hole: Ø 10.0mm ±0.25mm Panel: 0.6 - 5.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20136-HHBN (Brown, 15mm)</p>  <p>Hole: M6 Threaded Panel: 0.6 - 6.0mm Bundle Ø: 1.6 - 45.0mm</p>
84501390	84659132	
<p>20289-HHBN (Brown, 12.5mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p>	<p>20291-HHBN (Brown, 25mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p>	<p>20293-HHBN (Brown, 12.5mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p>
87831267	87831269	87831272
<p>20295-HHBN (Brown, 25mm)</p>  <p>Hole: Ø 6.2-7mm x 12-13mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 50.0mm</p>	<p>20135-HHBN (Brown, 15mm)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20161-HHBN (Brown)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 38.0mm</p>
87831274		
<p>20129-HHBN (brown, 15mm)</p>  <p>Hole: 6.6mm x mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20133-HHBN (Brown 25mm, offset)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>20122-HHBN (Brown, 25mm Offset)</p>  <p>Hole: Ø 8.0mm ±0.25mm/M1 Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>
	84501393	

High Temperature

<p>20131-HHBN (Brown)</p>  <p>Hole: 6.35mm - 7.0mm Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20179-HHBN (Brown)</p>  <p>Hole: Ø 6.2-7mm x 12-12.2mm Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20115-HHBN (Brown)</p>  <p>Hole: 7mm x 12+mm Panel: 0.6 - 3.6mm Bundle Ø: 1.6 - 35.0mm</p>
<p>84501391</p>		<p>84501392</p>
<p>20143-HHBN (Brown, 15mm Offset)</p>  <p>Hole: Ø 7.0mm x 12.0mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20149-HHBN (Brown, 35mm Offset)</p>  <p>Hole: Ø 7.0mm x 12.0mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6 - 45.0mm</p>	<p>10708-HHBN (Brown)</p>  <p>Stud: Ø M5/M6 Min. Bolt Height: 8.0mm Bundle Ø: 1.6 - 45.0mm</p>
		<p>84659136</p>
<p>20146-HHBN (Brown)</p>  <p>Stud: M6 Min. Bolt Height: 3.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20152-HHBN (Brown)</p>  <p>Stud: M8 Min. Bolt Height: 4.0mm Bundle Ø: 1.6 - 38.0mm</p>	<p>20153-HHBN (Brown)</p>  <p>Stud: M10 Min. Bolt Height: 4.0mm Bundle Ø: 1.6 - 38.0mm</p>
<p>84510394</p>	<p>84501395</p>	<p>84501396</p>
<p>20044-HHBN (Brown)</p>  <p>Stud: M8 Min. Bolt Height: 5.0mm Bundle Ø: 1.6 - 45.0mm</p>		
<p>87831279</p>		

Connector

<p>20101-0 (Black)</p>  <p>Connector: T-Slot Bundle Ø: 1.6 - 45.0mm</p>	<p>20111-0 (Black)</p>  <p>Connector: ADAPEX Bundle Ø: 1.6 - 45.0mm</p>	<p>20113-0 (Black) 20113-N (Natural)</p>  <p>Connector: ADGT Bundle Ø: 1.6 - 45.0mm</p>
		<p>84221968 (Black) 85086005 (Natural)</p>
<p>20124-0 (Black)</p>  <p>Connector: ADFM Bundle Ø: 1.6 - 45.0mm</p>		
<p>84221969</p>		

Gasket

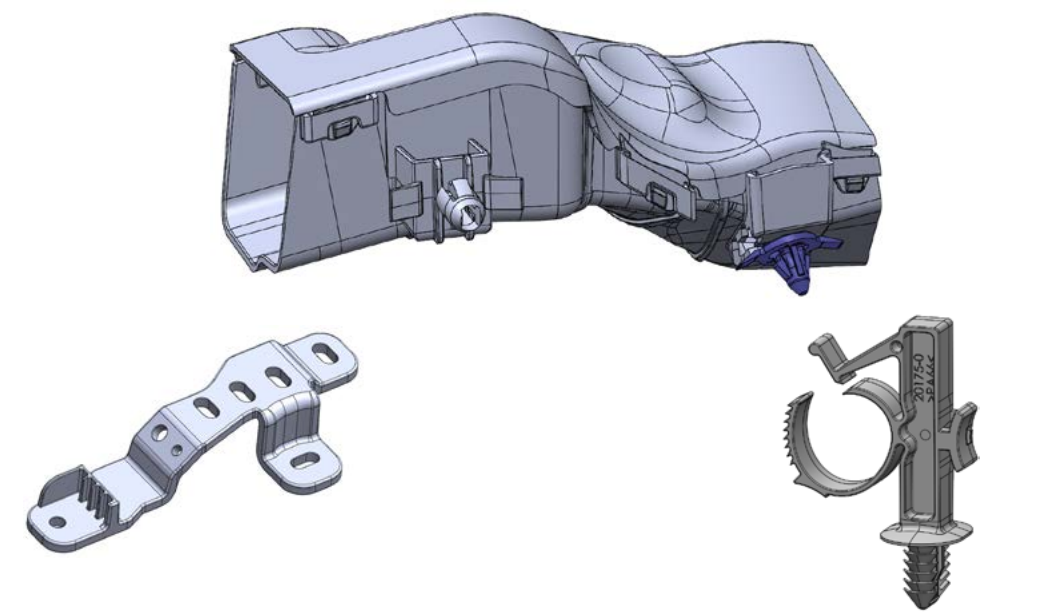
<p>20042-GSK (Black)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 3.0mm Bundle Ø: 1.6mm - 45.0mm</p>	<p>20098-GSK (Black, LIFT)</p>  <p>Hole: Ø 6.6mm ±0.25mm Panel: 0.6 - 7.0mm Bundle Ø: 1.6mm - 45.0mm</p>	
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Custom-Molded Parts

When a fastener or tie won't provide the protection or security for your application, a custom-molded part may be the solution.

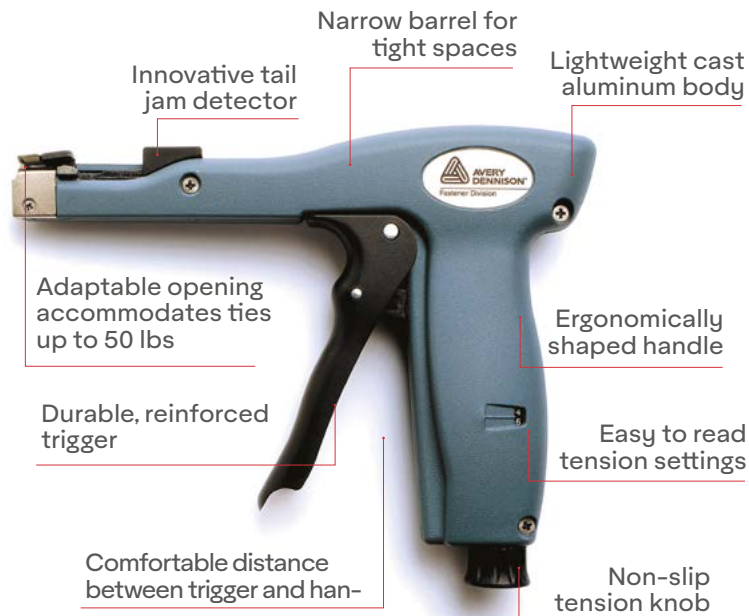
We specialize in providing plastic retainers, fasteners, clips, and ties used in wire harness, fluid management, and electronic component applications. Our ergonomic solutions have been proven in underhood (engine), chassis, body, and interior settings such as seating and other electronic control systems. We fully understand the process and demand challenges automotive OEMs and Tiers face and can help to remove assembly or production obstacles you may encounter. Custom molded parts call for the same level of performance as engineered fasteners. These parts are used in tight spaces, survive in varying environments, require tight tolerances, and must be easy to use during assembly.

We've designed and manufactured channels, brackets, and clips.



Put our design and manufacturing experience to work for you. Build a smarter and more efficient custom molded part by discussing your concept with our team early in the design stage.

Manual Cable Tie Installation Tool



Pneumatic Cable Tie Installation Tool



Cable Tie Tools

	Item #	Description
Straight Blade	12001-1	Manual Tool
	12010-0	Manual Tool + 3mm Extension
	12011-0	Manual Tool + 3mm Extension + Tension Lock
	12008-0	Manual Tool + 5mm Blade Cover Extension
	12009-0	Manual Tool + 5mm Blade Cover Extension + Tension Knob Adjustment Lock
	12500-1	Pneumatic Tool
	12510-0	Pneumatic Tool + Straight Blade + 3mm Extension
	12511-0	Pneumatic Tool + Straight Blade + 3mm Extension + Tension Lock
	12508-0	Pneumatic Tool + 5mm Blade Cover Extension
	12509-0	Pneumatic Tool + 5mm Blade Cover Extension + Tension Knob Adjustment Lock
Curved Blade	12012-0	Manual Tool + Curved Blade + 3mm Extension
	12013-0	Manual Tool + Curved Blade + 3mm Extension + Tension Lock
	12014-0	Manual Tool + Curved Blade + 5mm Extension
	12015-0	Manual Tool + Curved Blade + 5mm Extension + Tension Lock
	12512-0	Pneumatic Tool + Curved Blade + 3mm Extension
	12513-0	Pneumatic Tool + Curved Blade + 3mm Extension + Tension Lock
	12514-0	Pneumatic Tool + Curved Blade + 5mm Extension
	12515-0	Pneumatic Tool + Curved Blade + 5mm Extension + Tension Lock

Replacement Parts

Item #	Description	Kit Contents
12002-1	Straight Blade Replacement	1 Blade, 1 Screw
12003-1	Trigger Replacement Kit	1 Trigger, 1 Trigger Pin
12004-1	Blade Cover Replacement Kit (No Extension)	1 Cover, 1 Cover Screw
12017-0	Straight Blade 3mm Extension Kit	1 Cover Extension, 1 Cover Screw
12005-1	Straight Blade 5mm Extension Kit	1 Cover Extension, 1 Cover Screw
12016-0	Curved Blade Replacement	1 Blade, 1 Screw
12018-0	Curved Blade 3mm Extension Kit	1 Cover Extension, 1 Cover Screw
12019-0	Curved Blade 5mm Extension Kit	1 Cover Extension, 1 Cover Screw
12006-0	Tension Knob Adjustment Lock Kit	1 Tension Lock, 1 Screw, 1 Washer
12007-0	Tension Knob Replacement Kit	1 Knob, 1 Screw, 1 Washer, 1 Spring

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Standard Cable Ties

Item #	Type	Length (mm)	Color	Max. ø Bundle (mm)	Min. Tensile Strength(N)	GM Item #
08404-0	Standard Tie	102	Black	22	80	
08432-0	Standard Tie	102	Natural	22	80	
08376-0	Standard Tie	140	Natural	32	178	
08400-0	Standard Tie	140	Black	32	178	11570809
20097-0	Stopper Tie	140	Gray	17 - 32	178	
10392-0	Standard Tie	152	Black	38	80	
08472-0	Ladder Tie	178	Black	45	178	11501906
08387-0	Standard Tie	191	Natural	45	222	13583737
08402-0	Standard Tie	191	Black, Natural	45	222	11509086
10003-0	Standard Tie	191	Black	45	222	
10424-0	Doublehead Tie	191	Natural	38 or 2 x 19	222	
10425-0	Doublehead Tie	191	Black	38 or 2 x 19	222	
20093-0	Convolute Tie	191	Black	45	222	24266748
08377-0	Standard Tie	203	Natural	54	178	
08401-0	Standard Tie	203	Black	54	178	84677076
10325-0	Standard Tie	203	Natural	54	80	
10326-0	Standard Tie	203	Black	54	80	
08056-0	Standard Tie	279	Black	76	222	11509087
08471-0	Ladder Tie	279	Natural	76	178	
08473-0	Ladder Tie	279	Black	76	178	12186922 / 11501907
08600-0	Standard Tie	279	Natural	76	222	
10431-0	Doublehead Tie	279	Black, Natural	76 or 2 x 35	222	
10660-0	Stopper Tie	279	Black	50 - 76	222	
08403-0	Standard Tie	368	Black	102	534	
10038-0	Standard Tie	368	Natural	102	534	
08416-0	Standard Tie	381	Black	102	222	
10008-0	Standard Tie	381	Black	102	222	
10036-0	Standard Tie	381	Natural	102	222	
10408-0	Standard Tie	381	Black	102	222	11509088 / 12337820
10607-0	Standard Tie	533	Black	152	534	10237999 / 22591786

Non-Engine Compartment Applications - cost-effective alternatives of the automotive ties featured in this booklet can be provided by manufacturing these in different material compositions.



**AUTOMOTIVE
FASTENING
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BUNDLING
SECURING
LOCATING**

We engineer a full line of fasteners to help keep, wires, hoses, cables and components quiet and secure. High quality polymers and ergonomic performance designs improve installation efficiencies and work in hard-to-reach places for a variety of fastening applications. Our fasteners meet many OEM specifications.

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