Fourth-generation VELCRO® Brand mold-in Fasteners give seat designers all the benefits of our previous fasteners in a design that is even more economical.

Like the VELCRO® Brand hook-and-loop you’ve used for years, our latest mold-in fasteners speed assembly vs. ring-and-wire seat tie-downs, with less scrap and lower overall cost. They are molded into the bun as the foam flows into the mold, inserted into the mold cavity in a single step, and magnetically held in position until foaming is complete.

Fourth-generation mold-in features rugged High-Technology Hook (HTH), molded of a ferromagnetic resin that assures attraction to the tooling without the customary metal insert. The hook design is a new configuration of our proven Hook 31 that optimizes loop engagement.

HR1 and HF3 weigh about one-third less than other hook and loop and require less engagement force. For details, please turn the page.
**HR1**

Our new HR1 touch fastener has distinctive scalloped edges that serve as anchoring tabs to improve foam adhesion. Available for tool widths of 12mm and 15mm, it has a new primary seal wall and stiffening rib, plus a flat area for a secondary seal.

The tooling is simpler than for our M3G fastener, and extruded caps are available to make it even more cost-effective.

**HF3**

The HF3 mold-in fastener builds on the best features of our HR1 and MIGG styles, creating a strong secondary seal with a foam gasket 38% narrower than MIGG.

This flexible fastener conforms to a 7-inch tool radius without losing contact (15-inch is the limit for other fasteners), yet stiff enough for one-hand placement in the mold. HF3 comes in 12mm and 15mm widths and requires no special tooling.

**Typical Tooling**

1. Aluminum Pedestal for part placement
2. Rare Earth Magnets (typically 1 row) to attract metal in fastener
3. Ferrous Bar to maximize magnet performance
4. Touch Fastener

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