

## CLOSURE DEVICES

Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility	FDA Approved	Comments
Abbott Vascular	Perclose A-T	Suture	5–8	.038	Yes	Automated knot for vascular closure of 5-F to 8-F access sites
	Perclose ProGlide	Suture	5–8			Monofilament suture; automated knot tying
	Perclose Prostar XL 10	Suture	6.5–10			Prostar XL 10 designed to close up to 10-F access sites
	StarClose	Nitinol clip	5, 6			An extravascular nitinol clip that mechanically closes the arteriotomy to ensure rapid hemostasis
AccessClosure, Inc.	Mynx	Extravascular PEG sealant	5, 6, 7	Utilizes existing procedural sheath	Yes	Extravascular, conformable polyethylene glycol (PEG) sealant; seals both the arterial puncture and the tissue tract, minimizing ooze; dissolves within 30 days, leaving nothing behind; gentle deployment designed for patient comfort
Cardiva Medical, Inc.	Boomerang Catalyst System	Arteriotomy tamponade	5, 6, 7	Works through existing sheath	Yes	Deployable nitinol disc that provides temporary hemostasis at the arteriotomy, allowing it to recoil to the size of an 18-gauge needle; hemostatic coating on the wire accelerates the clotting cascade; after device removal, final hemostasis is achieved with minimal scarring while nothing is left behind
St. Jude Medical, Inc.	Angio-Seal VIP, Angio-Seal STS Plus	Mechanical seal	6, 8	6 F: .035; 8 F: .038	Yes	Suture, collagen, and anchor sandwich of the arteriotomy; all components reabsorb within 90 days; FDA labeling for immediate restick
Sutura	SuperStitch	Polypropylene suture and knot	6–12	Works through existing sheath	Yes	True 6-F and 8-F suture delivery through the sheath; does not enlarge arteriotomy. Available in 6 F, 8 F, 12 F, and 12 F EL (extended length)
Vascular Solutions, Inc.	Duett Pro, Diagnostic Duett Pro	Thrombin and collagen procoagulant	5–9	Works through existing sheath	Yes	Utilizes the existing sheath, a balloon catheter, and a procoagulant to achieve hemostasis; Duett Pro is approved for use with glycoprotein IIb/IIIa inhibitors and ACT $\leq$ 400