

Simpluer Seals

www.blockwise.com



The Blockwise **Tube Grabber™** functions by axially compressing a urethane rubber simpluer seal. When the tube grabber is actuated, the ID of the seal collapses, gripping the inserted item. Blockwise stocks various seal sizes to match your product. **Select the smallest seal that is at least 0.015 inch larger than your product diameter.** The harder 60A durometer urethane is the default choice because it is very durable. The softer 40A can maintain the seal at higher pressures, useful in some applications such as balloon forming and high-pressure leak testing. The pressure limit beyond which where the product is pushed out of the seal depends on many factors, including the diameter, material (friction), pilot pressure. But the 60A urethane can usually retain the product up to at least 300 psi on any size nylon tube. For sealing on the threads of Luer fittings, we recommend the C042-U-A-60A-.315.



Specifications

Seal Material	Urethane 40A or 60A durometer, natural color
Lubrication	A small amount of Dupont Krytox grease is applied to the outside of the rubber seal (McMaster #10195K29)

Ordering Information

Single Urethane Seals Appropriate backing washers are included. The listed part numbers are stocked.

Single Urethane Seal Size [inch]	40A (Soft)	60A (Hard)
.040	C042-U-A-40A-.040	C042-U-A-60A-.040
.063	C042-U-A-40A-.063	C042-U-A-60A-.063
.088	C042-U-A-40A-.088	C042-U-A-60A-.088
.114	C042-U-A-40A-.114	C042-U-A-60A-.114
.141	C042-U-A-40A-.141	C042-U-A-60A-.141
.170	C042-U-A-40A-.170	C042-U-A-60A-.170
.200	C042-U-A-40A-.200	C042-U-A-60A-.200
.232	C042-U-A-40A-.232	C042-U-A-60A-.232
.270	C042-U-A-40A-.270	C042-U-A-60A-.270
.315	C042-U-A-40A-.315	C042-U-A-60A-.315

3-Pack Urethane Seals Order part number C079 for 40A (soft) or C060 for 60A (hard). Appropriate backing washers are included. The listed part numbers are stocked.



3-Pack Urethane Seal Size [inch]	40A (Soft)	60A (Hard)
.040	C079-040	C060-040
.063	C079-063	C060-063
.088	C079-088	C060-088
.114	C079-114	C060-114
.141	C079-141	C060-141
.170	C079-170	C060-170
.200	C079-200	C060-200
.232	C079-232	C060-232
.270	C079-270	C060-270
.315	C079-315	C060-315

Seal kits with a variety of sizes: Kits containing all the sizes from .040 to .200 (not including the three largest sizes) are available. Order **B344 for 40A (soft)** or **B265 for 60A (hard)**.

