

West Rigid Needle Shields for Prefilled Syringes We've got it covered.



West **RNS**[™] Rigid Needle Shields

Added safety solutions for Prefilled Syringes

Rigid Needle Shields (RNS) are the preferred closure system for Prefilled Syringes with a staked needle to help assure the integrity of your drug product.

For optimized efficiency, the West Rigid Needle Shield:

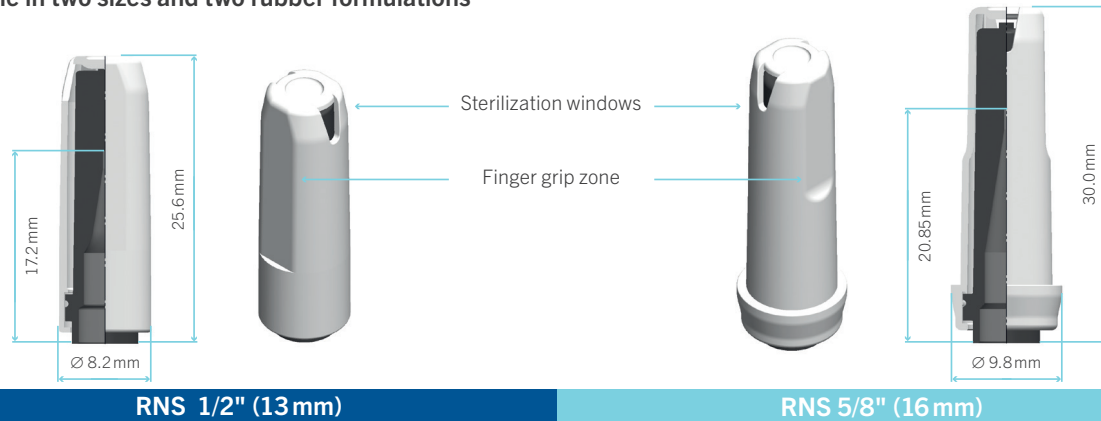
- Combines the sealing properties of soft rubber shields with the rigidity of a medical grade polypropylene cover
- Helps reduce needle tip damage when removing the rigid needle shield from a prefilled syringe
- Is manufactured from elastomers especially designed for prefilled applications



**Contact
your account manager today
to request your samples.
... and feel the difference.**

West RNS designed for ISO Prefilled Syringes with staked needle.

Available in two sizes and two rubber formulations



RNS 1/2" (13 mm)

RNS 5/8" (16 mm)



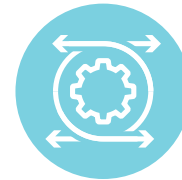
Best in Class Rubber Formulation 7028/55 grey

- **High resistance** to ozone cracking. Maintains drug integrity
- **Fully compliant with** EP and USP, non-cytotoxic
- **Low** extractables, excellent coring properties
- **Compatible with** steam, gamma and EtO sterilization
- **Not made with** dry natural rubber, nitrosamine pre-cursors, phthalates, MBT and derivatives, BSE, TSE
- **Less susceptible** to frosting (visual discoloration) and blooming
- **RNS also available in rubber formulation 7025/65 grey**



Preserves and Protects

- **Helps assure** container closure integrity through two proper sealing areas
- **Safeguards** against needle tip damage and deformation
- **Ensures** proper de-shielding through optimized comfortable haptic design for users in a health care environment and patients
- **Excellent** design material combination with the benefits of controlled pull-off force, reduced risk of pop-off during sterilization treatments and from high separation force



Processing Flexibility

- **Designed** for easy distribution and orientation on syringe assembly lines from different vendors
- **Excellent** tight dimensional tolerances reached through precision injection molding of a soft needle shield, high precision plastic molding and controlled assembly processing
- **Compatible** with safety devices