

# Reliable®

## Intermediate Level Sprinklers

Reliable intermediate level fire sprinklers are variants of standard fire sprinklers which incorporate a water shield to prevent wetting from fire sprinklers above. Intermediate level sprinklers are intended for use in storage racks, below grated walkways, and other similar locations specified by NFPA 13 or other installation standards.

Intermediate upright sprinklers are available in two styles, either with a factory installed water shield (Figure 1) or with an accessory guard with shield that is added to the fire sprinkler prior to installation into an outlet (Figure 2). Where listed and/or approved, upright sprinklers with factory installed water shields and guards with shields will be indicated on the appropriate technical bulletin for the sprinkler. Information regarding listed and approved guards with shields for use with Reliable fire sprinklers is also available on technical bulletin 208.

Intermediate pendent sprinklers are created by adding a thread-on water shield to the sprinkler prior to installation into an outlet (Figure 3). In many cases the water shield may also be used in combination with an approved guard (Figure 4). Where listed and/or approved, pendent sprinklers with water shields and guard/shield combinations will be indicated on the appropriate technical bulletin for the sprinkler. Information regarding listed and approved water shields and guard/shield combinations for use with Reliable fire sprinklers is also available on technical bulletin 208.

**Note:** Reliable water shields, guards with shields, and related accessories are specifically listed and/or approved in accordance with UL, FM, or other nationally recognized agencies for use with specific Reliable sprinklers. The use of any accessory product not specifically approved by Reliable will void all warranties. The use of third-party accessories not approved by Reliable may damage fire protection equipment and compromise proper fire protection system performance resulting in property damage, serious injury, or death.

Refer to the Reliable technical bulletin 208 and individual sprinkler product bulletins for listing and approvals, installation, maintenance, warranty, and ordering information.

**Important!** Reliable fire sprinklers must be handled, stored, and installed in accordance with the guidelines in Caution Sheet 310 and this bulletin. Failure to follow these instructions may result in unintended operation or nonoperation of the fire protection system.



Fig. 1



Fig. 2



Fig. 3



Fig. 4