

tyco

Fire Suppression
& Building Products

**DO YOU WANT TO
LOCKDOWN YOUR
FIRE PROTECTION?**

IMPROVE SAFETY AND SAVE MONEY

RAVEN™ Institutional Pendent and Horizontal Sidewall Sprinklers are quick response spray sprinklers designed for use in correctional, detention and healthcare facilities, as well as other commercial buildings. Both the pendent and sidewall styles are available for standard or extended coverage applications.

RAVEN sprinklers are designed to be unobtrusive to resist attracting unwanted attention and be more tamper resistant:

- ◆ **Reducing false activations**
- ◆ **Preventing individuals from harming themselves or others with sprinkler components**
- ◆ **Will operate as designed whenever thermal element is compromised**
- ◆ **Extended coverage in both pendent and sidewall 16' x 16'**

With RAVEN sprinklers, owners can reduce their maintenance and administrative expenses while protecting the safety of both residents and employees.

RAVEN™ Institutional Sprinklers

5.6 K-Factor

**PENDENT & HORIZONTAL SIDEWALL SPRINKLERS:
QUICK RESPONSE & EXTENDED COVERAGE**

TFP651



RAVEN™
SPRINKLERS

TECHNICAL DATA

Approvals: UL and C-UL Listed

Maximum Working Pressure: 175 psi (12, bar)

Inlet Thread Connection: 1/2 inch NPT

Discharge Coefficient: K = 5.6 GPM/psi (80,6 LPM/bar)

Temperature Ratings: 165°F/74°C

Finishes: Sprinkler: Chrome or White
Escutcheon: Chrome or White

Physical Characteristics: Body: Brass
Deflector Assembly: Bronze
Sealing Assembly: Beryllium Nickel with Teflon®
Link Assembly: Copper

Patents: Patent Pending

Always refer to the **Technical Data Sheet TFP651** for complete descriptions of all Listing & Approval criteria, design parameters, installation instructions, care and maintenance guidelines and our limited warranty.

SPECIFICATIONS

When placing an order, indicate full product name.
Contact your local distributor for availability.

ORDERING PROCEDURE

Sprinkler Assemblies:

Specify: RAVEN™ (specify standard or extended coverage), 165°F, (specify pendent sprinkler or horizontal sidewall) with (specify finish), P/N (specify).

Standard Coverage

Pendent (TY3281)

Chrome P/N 50-314-9-165
White P/N 50-314-4-165

HSW (TY3381)

Chrome P/N 50-316-9-165
White P/N 50-316-4-165

Extended Coverage

Pendent (TY3282)

Chrome P/N 50-315-9-165
White P/N 50-315-4-165

HSW (TY3382)

Chrome P/N 50-317-9-165
White P/N 50-317-4-165

Separately Ordered Escutcheons:

(Specify: Style (F or G), (specify finish), Escutcheons, P/N (specify).

Style F (3" Diameter)

Chrome P/N 56-314-9-010
White P/N 56-314-4-010

Style G (4" Diameter)

Chrome P/N 56-312-9-010
White P/N 56-312-4-010

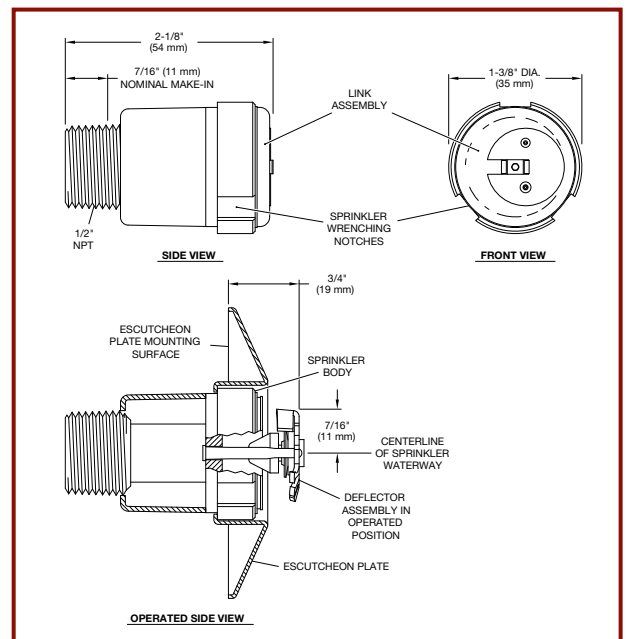
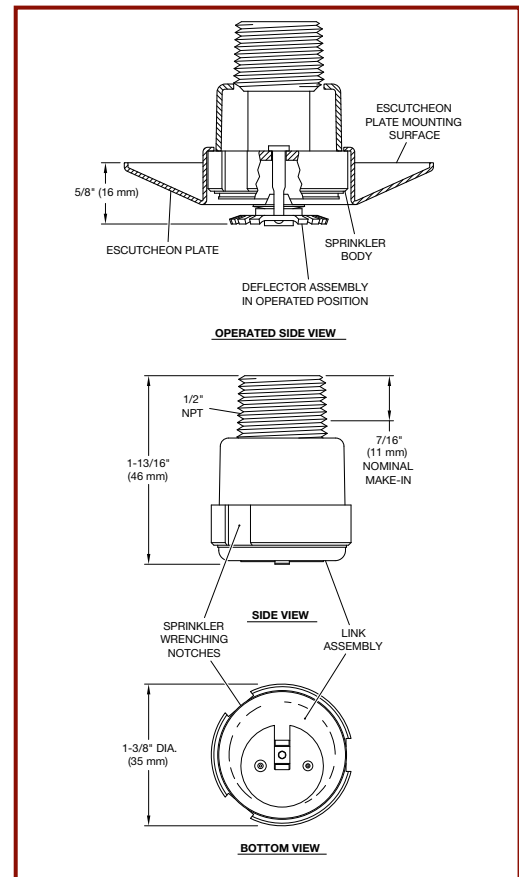
Separately Ordered Wrench:

Specify: W-Type 25 Sprinkler Wrench, P/N 56-314-1-001.

Separately Ordered Parts For Installation In Concrete Walls:

Specify: Model 1781 Centering Grommet for installation in concrete, P/N 56-000-1-781.

Specify: Model 1780 Retaining Flange with Set Screws for installation in concrete, P/N 56-000-1-780.



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Technical Services

Phone: 800-381-9312 Fax: 401-781-7317

www.Tyco-Fire.com

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