

SERIES DS-3 11.2 K-FACTOR DRY TYPE SPRINKLERS (TY5339)

The FIRST Extended Coverage Ordinary Hazard (ECOH) Dry Sidewall

FEATURES & BENEFITS

- ◆ **Largest Throw Pattern (20 ft.) Dry Sidewall for Ordinary Hazard**
- ◆ **Protect Loading Dock Overhangs, with a Roof Pitch up to 4 inches per foot (4:12)**
- ◆ **Reduce Pipe, Fittings, Hangers and Labor Because of Fewer Branch Lines**
- ◆ **Eliminate Dry Systems and Costly Anti-Freeze Loops**
- ◆ **Maximum 12" Deflector Distance from the Ceiling**

GENERAL DESCRIPTION

The Tyco® Series DS-3 Dry Type Extended Coverage Ordinary Hazard (ECOH) Horizontal Sidewall Sprinklers are intended for use in applications where the sprinklers and/or a portion of the connecting piping may be exposed to freezing temperatures (e.g., horizontal piping extensions through a wall to protect an unheated area of a building). The DS-3 is designed for extended coverage use in ordinary hazard (ECOH) occupancies per NFPA 13.

The DS-3 provides protection of areas up to **16 ft. x 20 ft.** (320 ft.²), as compared to standard coverage horizontal sidewall sprinklers having a maximum coverage of 10 ft. x 10 ft. (100 ft.²) for ordinary hazard occupancies.

Sprinkler Placement Under Slope Ceilings in Loading Docks

Sidewall Sprinkler Discharge Pattern Comparison

TECHNICAL DATA

- Approvals:** UL and C-UL Listed.
- Maximum Working Pressure:** 175 psi (12,1 bar)
- Inlet Thread Connection:** 1" NPT (Standard) or ISO 7-R1
- Temperature Ratings:** 155°F/68°C – Red Bulb
200°F/93°C – Green Bulb
- Discharge Coefficient:** K-factor is determined by the length of the DS-3 Dry Type Sprinkler.
- Finishes:**
 - Sprinkler** – Natural Brass, Chrome Plated, White Polyester
 - Escutcheon** – Brass Plated, RChrome Plated, White Coated

*Always refer to the **Technical Data Sheet TFP550** for complete description of all Listing & Approval criteria, design parameters, installation instructions, care and maintenance guidelines, and our limited warranty.*

SERIES DS-3

ORDERING PROCEDURE & SPECIFICATIONS

Purchase Number to Indicate Horizontal Sidewall Dry Type Sprinkler Matrix

P/N: 61 - XXX - X - XXX

(1). Dry Type Sprinklers are furnished based upon "Order Length" as measured per below diagrams. The measurement should be rounded to the nearest 1/4" increment.

SERIES DS-3 SELECTION			FINISH COMBINATIONS		ORDER LENGTH (1)	
No.	Description	Temp. Rating	No.	Sprinkler	Escutcheon	Example No. / Length
161	Flush Escutcheon (1"NPT)	155°F/68°C	1	Natural Brass	Brass Plated	055 5.50"
163	Flush Escutcheon (1"NPT)	200°F/93°C	4	White Polyester	White Coated	082 8.25"
171	Extended Escutcheon (1"NPT)	155°F/68°C	9	Chrome Plated	Chrome Plated	180 18.00"
173	Extended Escutcheon (1"NPT)	200°F/93°C	0	Chrome Plated	White Coated	187 18.75"
151	Without Escutcheon (1"NPT)	155°F/68°C				372 37.25"
153	Without Escutcheon (1"NPT)	200°F/93°C				480 48.00"

ORDERING PROCEDURE

Contact your local distributor for availability, and please specify the following:

Model: DS-3/TY5339

Sprinkler: ECOH Horizontal Sidewall Dry Type Sprinkler

K-factor: 11.2

Order Length: Order Length is determined by measuring the distance from the face of the wall to the face of the sprinkler fitting and the measurement is then rounded to the nearest 1/4" increment.

Inlet Connection: 1" NPT or ISO 7-R1

Temperature Ratings: 155F°/68°C Red Bulb
200F°/93°C Green Bulb

Sprinkler and/or Escutcheon Finish: Listed in the above part number ordering chart.

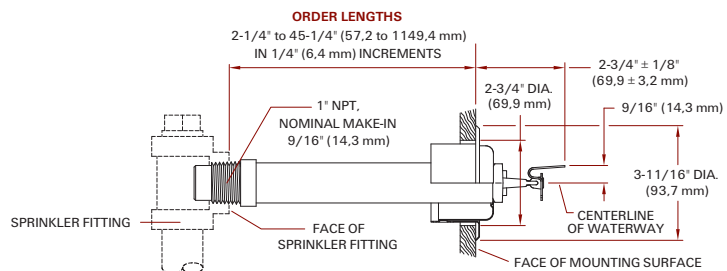
Escutcheon Type: Flush and Extended and Plain Barrel

Use the above chart to determine the specific Part Number when ordering the DS-3 Series Dry Type Sprinklers.

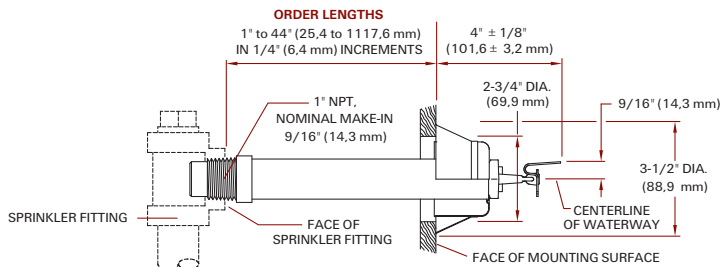
Refer to the D-3 Series price list for a complete listing of part numbers for sprinkler, parts and accessories.

Note: A W-Type 8 wrench or its equivalent must be used when installing the DS-3 Series sprinklers.

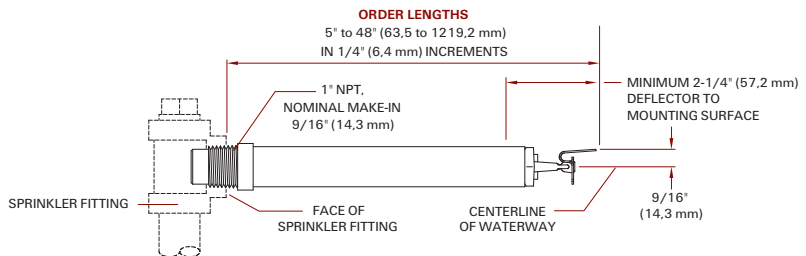
DS-3 (TY5339) ECOH Dry Horizontal Sidewall with Flush Escutcheon



DS-3 (TY5339) ECOH Dry Horizontal Sidewall with Extended Escutcheon



DS-3 (TY5339) ECOH Dry Horizontal Sidewall with no Escutcheon



Tyco Fire & Building Products

Technical Services

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