

A black and white photograph of a modern office interior. The room features glass-walled partitions and a glass door. A white chair is visible in the foreground, and a desk with a chair is in the background. The lighting is soft and even.

DORMA DRS RAILS, HEADERS & GLAZING SYSTEMS

Featuring Dri-Fit™ and tempered laminated glass mount options

DORMA DRS RAIL SYSTEM WITH EASI-ALIGN™ AND DRI-FIT™

Innovation and quality made easy.

The DRS Rail System—the original clamp-on rail system from DORMA—allows for one of the easiest and quickest door assemblies of any rail system on the market.

DRS Rails are delivered with all DORMA hardware installed and prepped. Simply clamp the rails onto a piece of tempered glass and the system is ready for installation. Clamp-on and glue options are also available for tempered laminated glass (TLG). The DRS clamp-on system allows for job-site door height adjustment to compensate for irregularities in the door opening.

Additionally, the snap-on rail covers need not be installed until job inspection, reducing the chance of construction site damage.

DORMA DRS Rails feature Easi-Align™ adjustable prep blocks for setting door clearances and pivot centers while the door is installed.¹ With Easi-Align, one rail size—35-3/4" (908 mm)—can be used for openings of 36" (914 mm) or 72" (1829 mm). This feature reduces stocking requirements, shortens lead times, and simplifies ordering requirements.

Innovative design, quality materials, and the finest workmanship mean that the DRS Rail System has features to meet the most demanding conditions. The system has been independent-lab-tested for holding force under climate conditions -10° to 150°.

The DORMA DRS Rail System pull tested to over 3000 lb (1364 kg) per 3' (914 mm)

under the poorest conditions (torqued incorrectly to simulate incorrect field installation), and over 5000 lb (2273 kg) in optimal conditions (using DORMA-recommended torque settings) with no relaxing or slippage.

Dri-Fit™ sidelite rails are offered to match door profiles, plus a complete range of saddles to match clearances.

For easy glazing that eliminates the need to use silicone during glass installation, top and bottom Dri-Fit U-channels are also available.

Technical Data

Glass thickness

- 3/8" (10 mm)
 - 1/2" (12 mm)
 - 9/16" (14 mm)
 - 5/8" (15 mm)
 - 11/16" (17 mm)
 - 3/4" (19 mm)
- (see table next page)

Max width

- 48" (1219 mm)
 - w/ BTS floor closer
 - 42" (1067 mm)
 - w/ RTS overhead closer
- (GANA guidelines)

Warranty

For details, refer to **DORMA Limited Warranty** on our website at go.dorma.com/terms.



DRS System Heights

- 2-1/2" (64 mm) – SQ or TP
- 3-5/8" (92 mm) – SQ or TP
- 4" (102 mm) – SQ or TP²
- 6" (152 mm) – SQ
- 10" (254 mm) – SQ

Square (SQ) and tapered (TP) profiles are available as shown above.

All heights accommodate 3/8" (10 mm) and 1/2" (12 mm) width glass.

2-1/2" (64 mm), 3-5/8" (92 mm) and 6" (152 mm) systems (square and tapered) can also accommodate 5/8" (15 mm) and 3/4" (19 mm) thick glass.

Available Finishes

The DRS Rail System offers five stock finishes. Four decorative special order finishes and custom finishes upon request are also available.

Stock Finishes

- 101 – Clear Anodized
- 108 – Dark Bronze Anodized
- 109 – Black Anodized
- 701 – Polished Stainless Steel
- 700 – Satin Stainless

Special Order (SO) Finishes

- 503 – Polished Brass
- 601 – Polished Bronze
- 599 – Satin Brass
- 600 – Satin Bronze

Refer to the *DRS Rails and Header Finishes* flyer for finish color examples.

¹ Easi-Align is not available on low profile 2-1/2" rails.

² Available Fall 2015.

DORMA DRS AT A GLANCE

- On-site height adjustability
- Snap-on covers
- Easy on-site glass replacement
- Mechanical clamp-on system featuring a gasket similar to the one utilized in DORMA Patch Fittings
- Clamp-on and glue options for tempered laminated glass.
(NOTE: Currently not available for all rail sizes pending on-going testing.)
- Doors can be prepared for a full range of DORMA pivoting architectural hardware
- Can be used in conjunction with the DORMA standard and floating header systems
- One-stop shopping for rails, sidelites, patch fittings, headers, and handles—all your glass solution hardware needs.



DRS 2-1/2" Rail - Square with DORMA Cylinder Lock



DRS 2-1/2" Rail - Tapered



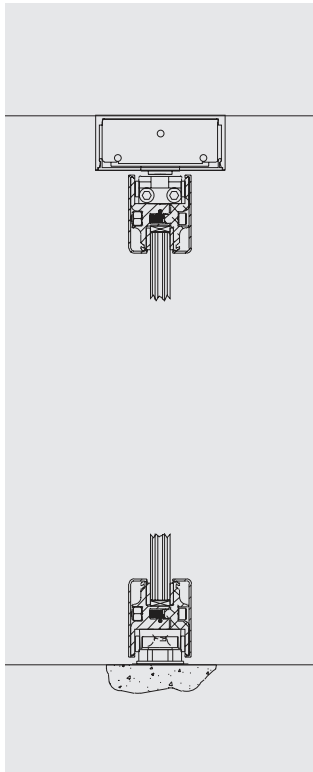
DRS 10" Rail - Square with Thumbturn

Glass Thickness Availability

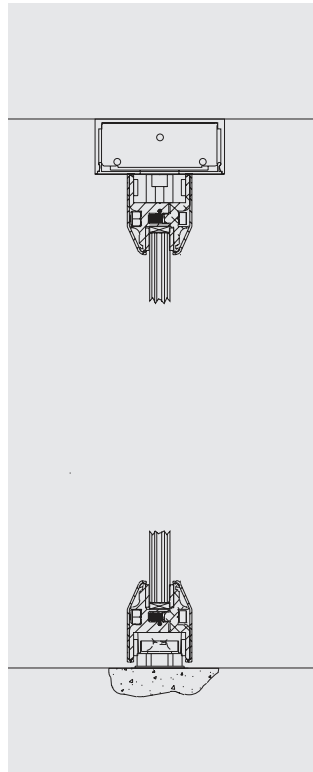
DRS Rail Height / Profile		2-1/2" (64 mm) SQ	2-1/2" (64 mm) TP	3-5/8" (92 mm) SQ	3-5/8" (92 mm) TP	4" (102 mm) SQ	4" (102 mm) TP	6" (152 mm) SQ	10" (254 mm) SQ
Monolithic	3/8" (10 mm) 1/2" (12 mm)	X ¹	X	X	X	X	X ¹	X	X
	5/8" (15 mm) 3/4" (19 mm)	X	X	X				X	X ¹
Laminated	9/16" (14 mm) 11/16" (17 mm)	X	X	X ¹	X ¹	X ¹	X ¹	X ¹	X ¹

¹ Available Fall 2015.

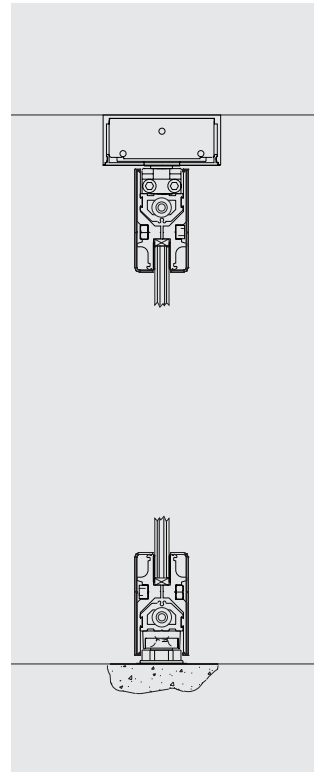
DRS MECHANICAL RAIL SECTION DETAIL



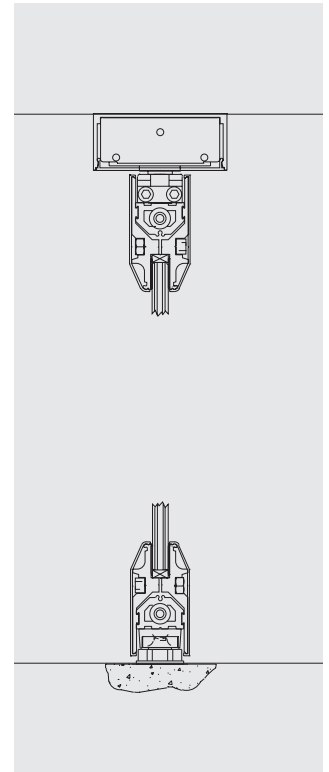
2-1/2" (64 mm)
Square



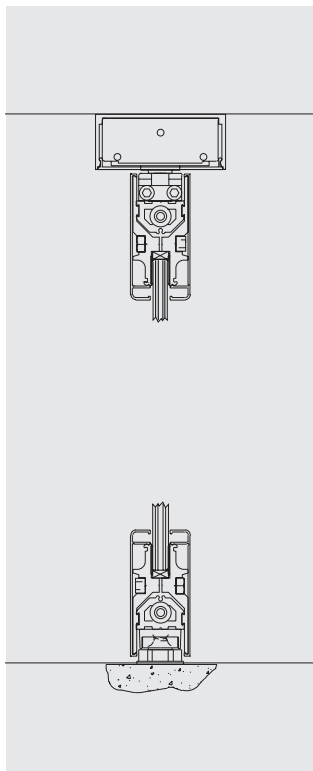
2-1/2" (64 mm)
Tapered



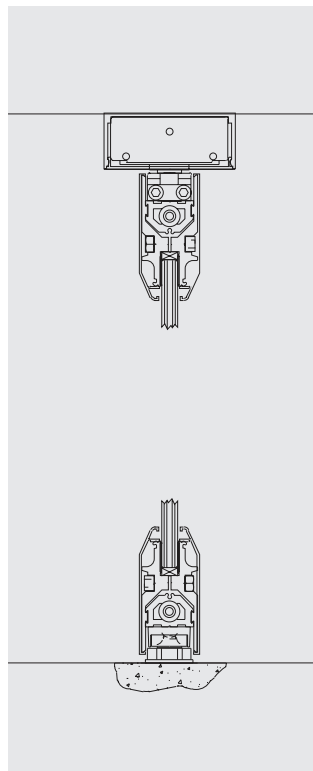
3-5/8" (92 mm)
Square



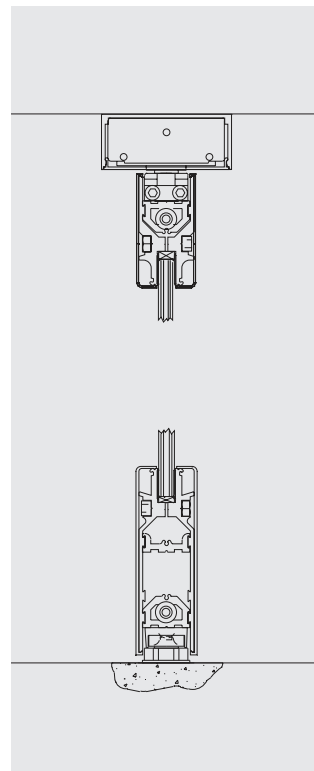
3-5/8" (92 mm)
Tapered



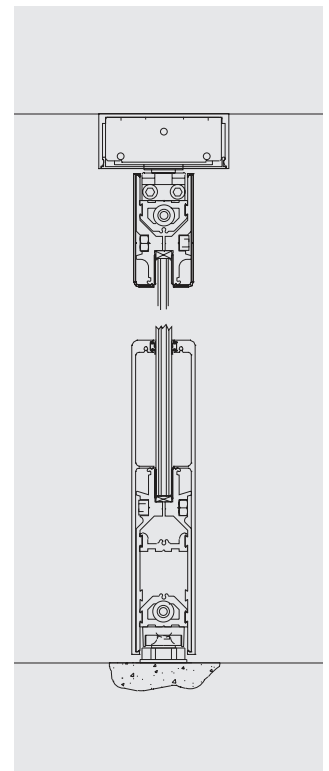
4" (102 mm)
Square



4" (102 mm)
Tapered



6" (152 mm)
Square

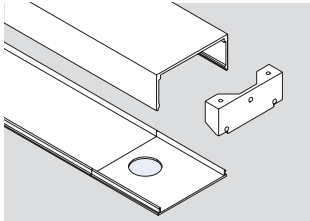


10" (254 mm)
Square

DORMA HEADERS

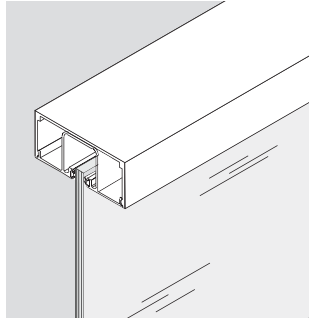
Invisible door control, dependable and ready to install.

Design professionals are often challenged to design buildings that are both beautiful and functional down to the last detail. DORMA header tubes are made to house the RTS overhead concealed closers and a variety of other pivot options.



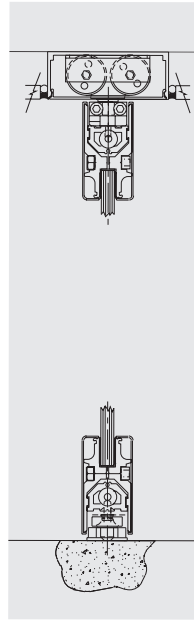
The popularity of concealed overhead closers has led DORMA to furnish fully fabricated headers for most door and sidelite configurations. Headers are available in three profiles:

- 1-3/4" × 4-1/8"
(44 mm × 105 mm)
- 1-3/4" × 4-1/2"
(44 mm × 114 mm)
- 2" × 6"
(51 mm × 152 mm)



The design of the DORMA header system allows for a glazing pocket to be snapped into the header tube to permit a seamless transition to the sidelite glazing. The Dri-Fit™ gasket is used for quick and easy installation. Profiles are available for glass thicknesses of 3/8" (10 mm), 1/2" (12 mm), 5/8" (15 mm), and 3/4" (19 mm) tempered glass.

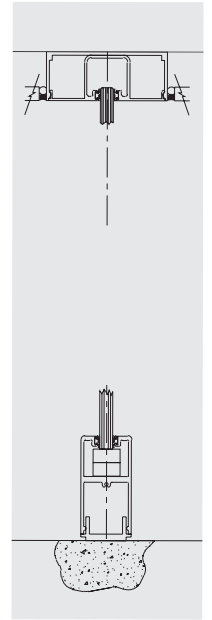
Header tubes are available in five stock finishes, four special order (SO) finishes, and custom finishes upon request. Refer to the *DRS Rails and Header Finishes* flyer for finish examples.



4-1/8" (105 mm)
Header with RTS
closer installed



4-1/2" (114 mm)
Header with
8062 pivot



4-1/2" (114 mm)
Header with Dri-Fit
glazing pocket



DRI-FIT™ GLAZING

Simplified glazing, minimal hardware.

The DORMA Dri-Fit™ system simplifies glazing installation. The intelligently designed Dri-Fit gasket is used in sidelite rails, header tube glazing pockets, and u-channels.

Dri-Fit sidelite rails are available to match all DRS mechanical profile heights and offer a number of saddle sizes from 1/8" to 3/4" (3 mm to 19 mm) tall.

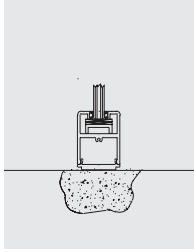
The Dri-Fit glazing system accommodates glass thicknesses 9/16" (14 mm) and 11/16" (17 mm). See page 7 for details.

In addition to Dri-Fit sidelite rails, DORMA also offers the Dri-Fit U-Channel, a low profile u-channel ideal for glazing with minimal hardware. It can even be recessed in the ceiling and floor to completely eliminate visible hardware.

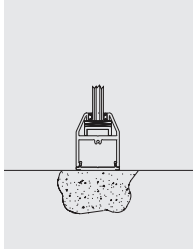
Both Dri-Fit sidelite rails and Dri-Fit U-Channels are available in all five stock and four special order (SO) finishes. Custom finishes are also available upon request. Extrusions are available in stock lengths up to 144" (3658 mm). Brass and Bronze finish extrusions are available up to 120" (3048 mm).



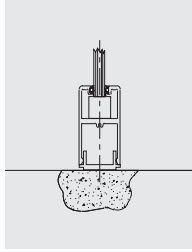
Dri-Fit Sidelite Rail Profiles



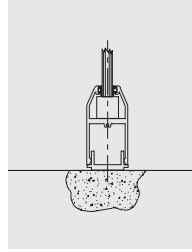
2-1/2" (64 mm)
Square
Dri-Fit Rail



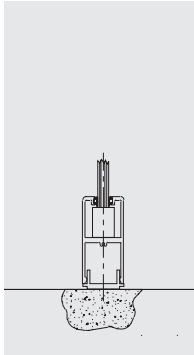
2-1/2" (64 mm)
Tapered
Dri-Fit Rail



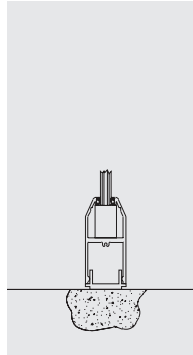
3-5/8" (92 mm)
Square
Dri-Fit Rail



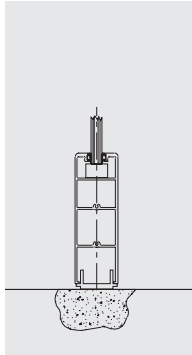
3-5/8" (92 mm)
Tapered
Dri-Fit Rail



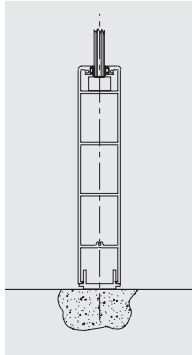
4" (102 mm)
Square
Dri-Fit Rail



4" (102 mm)
Tapered*
Dri-Fit Rail



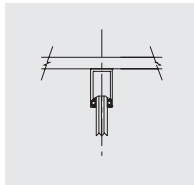
6" (152 mm)
Square
Dri-Fit Rail



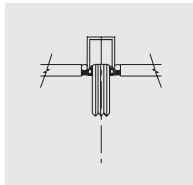
10" (254 mm)
Square
Dri-Fit Rail

*Available Fall 2015

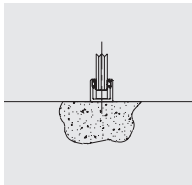
Dri-Fit U-Channel Profiles



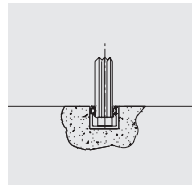
1" x 1-3/4"
(25 mm x 44 mm)
Top Dri-Fit
U-Channel
(shown flush mounted)



1-1/4" x 1-3/4"
(32 mm x 44 mm)
Top Dri-Fit
U-Channel
(shown recessed)



1" x 1"
(25 mm x 25 mm)
Bottom Dri-Fit
U-Channel
(shown flush mounted)



1-1/4" x 1"
(32 mm x 25 mm)
Bottom Dri-Fit
U-Channel
(shown recessed)

Glass Thickness Availability for Sidelite Rails and U-Channels¹

DRS Sidelite Height / Profile		2-1/2" (64 mm) SQ	2-1/2" (64 mm) TP	3-5/8" (92 mm) SQ	3-5/8" (92 mm) TP	4" (102 mm) SQ	4" (102 mm) TP	6" (152 mm) SQ	10" (254 mm) SQ
Monolithic	3/8" (10 mm)	X ²	X ²	X	X	X	X ²	X	X
	1/2" (12 mm)								
Monolithic	5/8" (15 mm)	X ²	X ²	X				X	X ²
	3/4" (19 mm)								
Laminated	9/16" (14 mm)	X ²	X ²	X ²	X ²	X ²	X ²	X ²	X ²
	11/16" (17 mm)								

¹ U-Channel requires wet glazing for proper hold with tempered laminated glass.

² Available Fall 2015.



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