

DRS rails, headers & glazing systems

Featuring Dri-Fit® and tempered
laminated glass mount options



Interior glass systems





dormakaba DRS Rail System with Easi-Align® and Dri-Fit®

Installation and assembly made easy

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

DRS Rails are delivered with all dormakaba 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.

dormakaba 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)—can be used for openings of 36" (914) or 72" (1829). 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 dormakaba DRS Rail System pull tested to over 3000 lb (1364 kg) per 3' (914) under the poorest conditions (torqued incorrectly to simulate incorrect field installation), and over 5000 lb (2273 kg) in optimal conditions (using dormakaba-recommended torque settings) with no relaxing or slippage.

¹ Easi-Align is not available on low profile 2-1/2" (64) rails.

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.

DRS system heights

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

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

Please refer to the **Glass thickness availability** table on the next page for information regarding glass thicknesses that are supported depending on rail height and profile (SQ or TP).

Available finishes

The DRS Rail System offers the following standard and custom finishes:

Standard finishes

- 101 Clear anodized
- 108 Dark bronze
- 109 Black anodized
- 503 Polished brass without laquer
- 599 Satin brass without laquer
- 600 Satin bronze without laquer
- 601 Polished bronze without laquer
- 700 Satin stainless steel
- 701 Polished stainless steel

Custom finishes

- 199 Special anodized (specify)
- 299 Special cladding (specify)
- 399 Special paint or powder coat (specify)

Custom finishes available on request. Refer to the **Standard and custom finishes** brochure for finish examples.

Technical data

Glass thickness

- 3/8" (10)
 - 1/2" (12)
 - 9/16" (14)
 - 5/8" (15)
 - 11/16" (17)
 - 3/4" (19)
 - 13/16" (21)
- (see table next page)

Max width

- 48" (1219) with BTS floor closer
 - 42" (1067) with RTS overhead closer
- (GANA guidelines)

Warranty

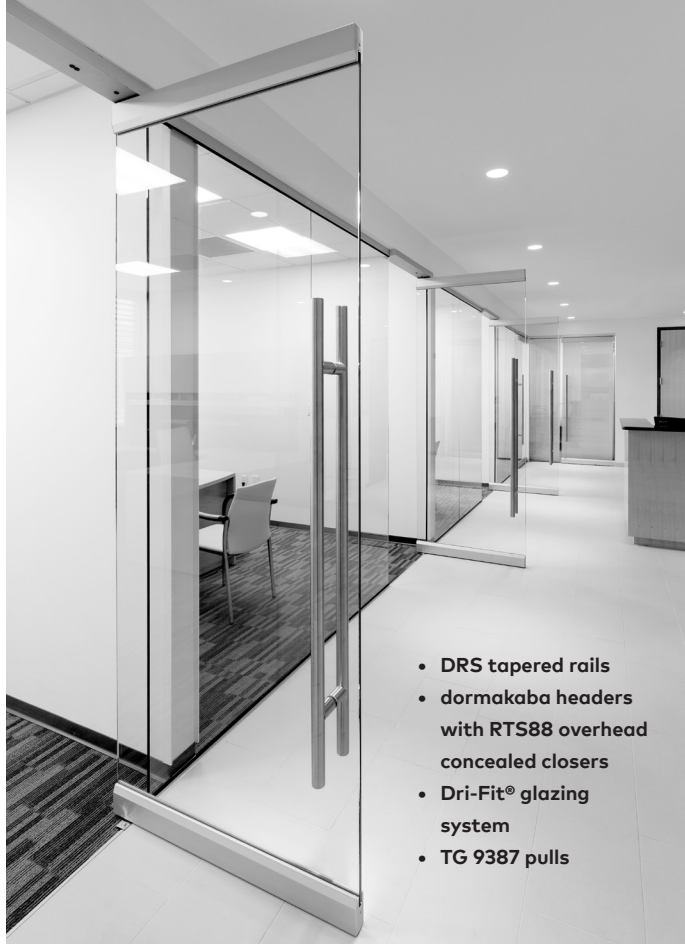
For details, refer to **dormakaba Limited Warranty** at dormakaba.us/Terms

Note:

Measurements are shown as inches followed by millimeters; for example, 1" (25).

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 dormakaba 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 dormakaba pivoting architectural hardware.
- Can be used in conjunction with the dormakaba standard and floating header systems.
- Your single source for all interior glass hardware needs—rails, sidelites, patch fittings, headers, and handles.



- DRS tapered rails
- dormakaba headers with RTS88 overhead concealed closers
- Dri-Fit® glazing system
- TG 9387 pulls



DRS 2-1/2" (64) Rail – Square with DORMA mortised cylinder in locking rail



DRS 2-1/2" (64) Rail – Tapered



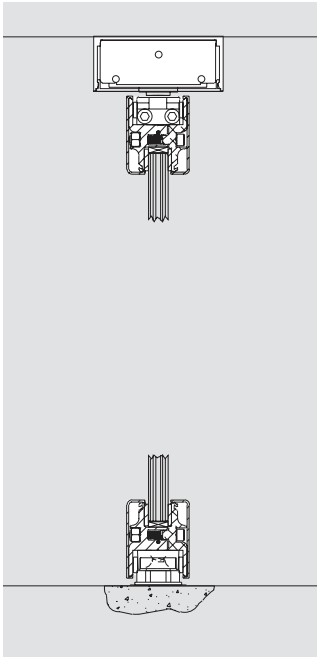
DRS 10" (254) Rail – Square with Thumbturn

Glass thickness availability

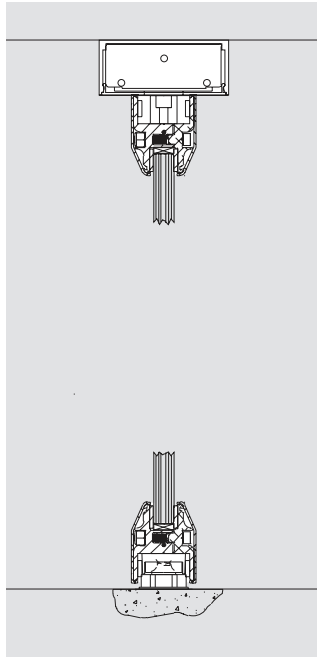
DRS rail height / profile	2-1/2" (64) SQ	2-1/2" (64) TP	3-5/8" (92) SQ	3-5/8" (92) TP	4" (102) SQ	4" (102) TP	6" (152) SQ	10" (254) SQ
Monolithic	3/8" (10)	X	X ¹	X	X ¹	X	X	X ¹
	1/2" (12)	X	X ¹	X	X ¹	X	X	X ¹
Monolithic	5/8" (15)	X	X ¹	X	–	–	X	X ¹
	3/4" (19)	X	X ¹	X	–	–	X	X ¹
Laminated	9/16" (14)	X	X ¹	X	X ¹	X ¹	X	X ¹
	11/16" (17)	X	X ¹	X	X ¹	X ¹	X	X ¹
	13/16" (21)	X	X ¹	X	X ¹	X ¹	X	X ¹

¹ 2-1/2", 3-5/8", and 4" tapered rails and 10" square rails are ADA compliant.

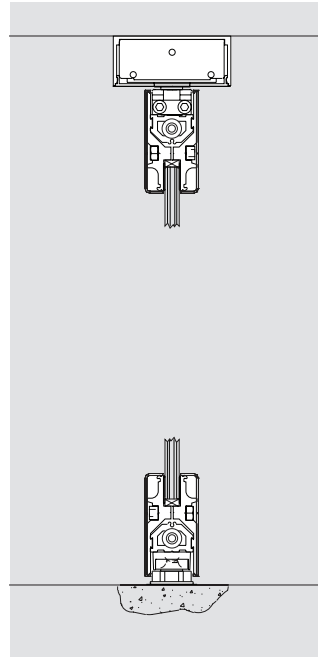
DRS mechanical rail section detail



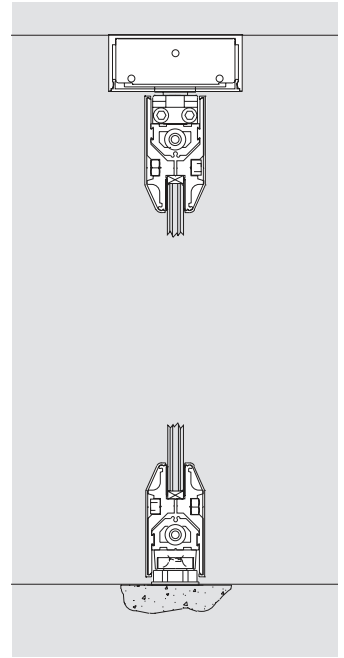
2-1/2" (64)
Square



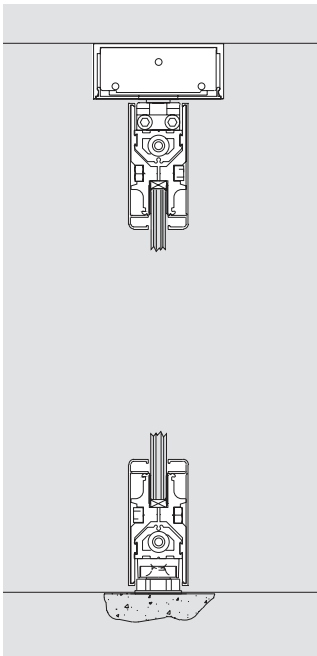
2-1/2" (64)
Tapered



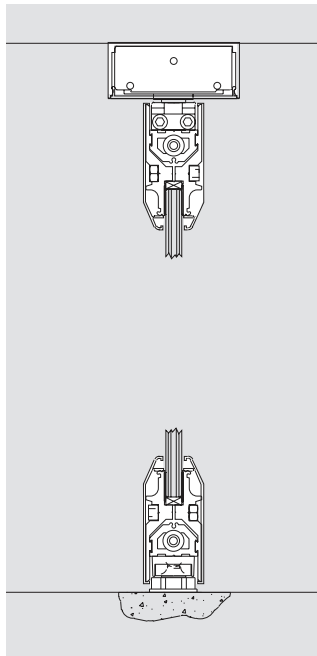
3-5/8" (92)
Square



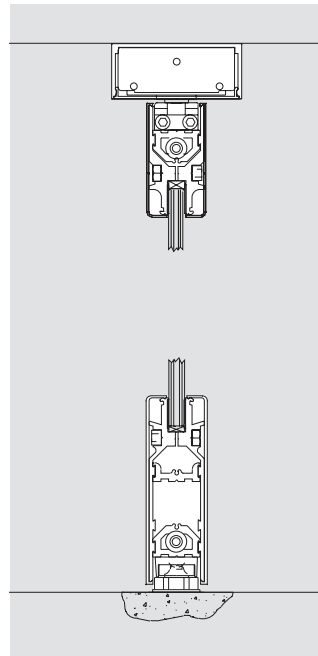
3-5/8" (92)
Tapered



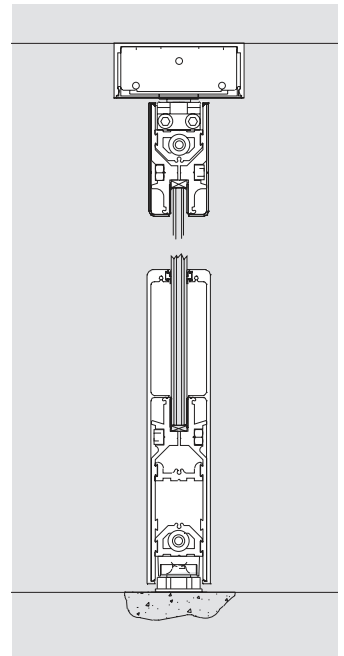
4" (102)
Square



4" (102)
Tapered



6" (152)
Square



10" (254)
Square

Note: Measurements are shown as inches followed by millimeters; for example, 1" (25).

dormakaba headers

Invisible door control, dependable and easy to install

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

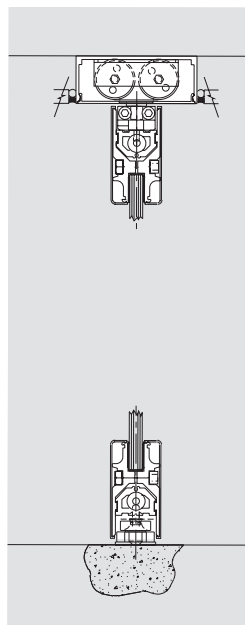
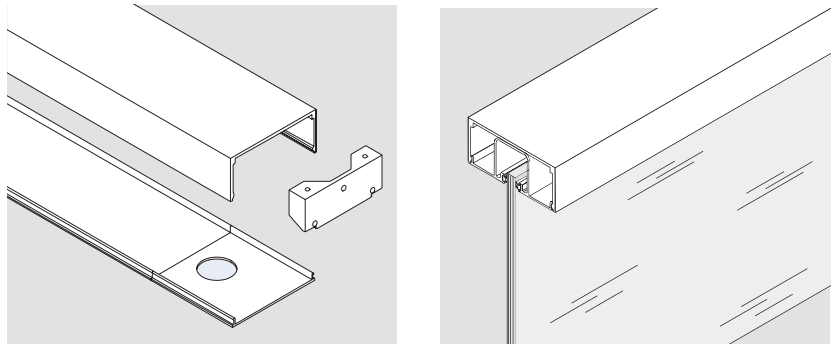
The popularity of concealed overhead closers has led dormakaba to furnish fully fabricated headers for most door and sidelite configurations. Headers are available in three profiles:

- 1-3/4" x 4-1/8" (44 x 105)
- 1-3/4" x 4-1/2" (44 x 114)
- 1-3/4" x 6" (44 x 152)

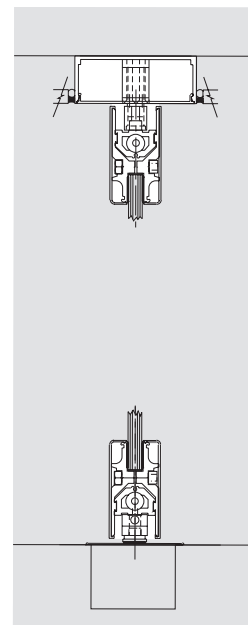
The design of the dormakaba header system allows for a glazing pocket to be snapped into the header tube to permit a seamless transition to the sidelite glazing. The Dri-Fit® gasket is used for quick and easy installation. Profiles are available for glass thicknesses of 3/8" (10), 1/2" (12), 5/8" (15),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

When less metal is desired, narrow headers leverage the slim profile of dormakaba's Dri-Fit® U-Channel. Narrow headers offer a seamless transition between sidelites and swing panels with walking beam pivots.

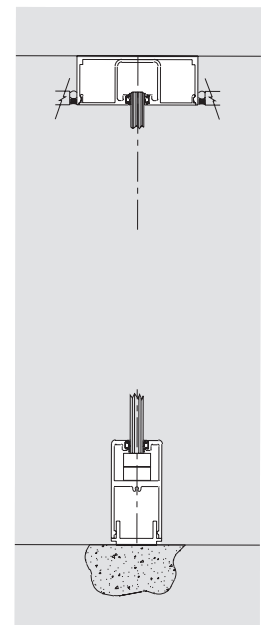
Headers are available in five stock finishes, four special order (SO) finishes, and custom finishes upon request. Refer to the **Standard and custom finishes** brochure for finish examples.



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



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



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



Dri-Fit® glazing

Simplified glazing, minimal hardware

The dormakaba 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 to 19) tall.

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

In addition to Dri-Fit sidelite rails, we also offer the Dri-Fit® U-Channel, a low profile

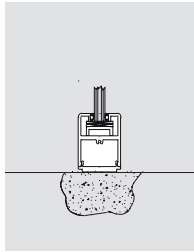
u-channel ideal for glazing with minimal hardware. It can even be recessed in the ceiling and floor to completely eliminate visible hardware.

Dri-Fit sidelite rails are available in five stock and four special order (SO) finishes. Dri-Fit U-Channels are available in four stock and six special order (SO) finishes. Custom finishes are also available upon request.

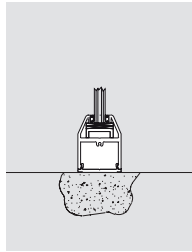
Extrusions are available in stock lengths up to 144" (3658). Brass and Bronze finish extrusions are available up to 120" (3048).



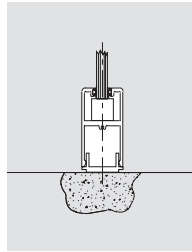
Dri-Fit sidelite rail profiles



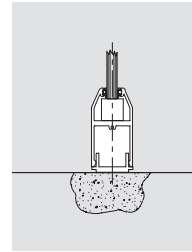
**2-1/2" (64)
Square
Dri-Fit rail**



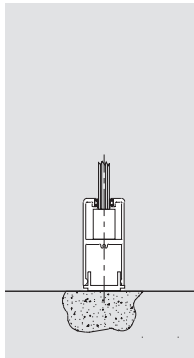
**2-1/2" (64)
Tapered
Dri-Fit rail**



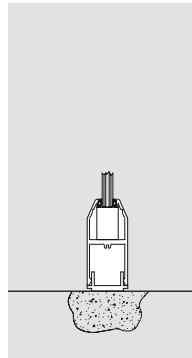
**3-5/8" (92)
Square
Dri-Fit rail**



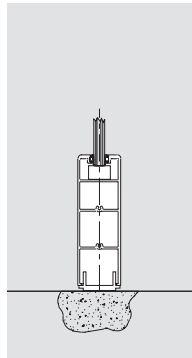
**3-5/8" (92)
Tapered
Dri-Fit rail**



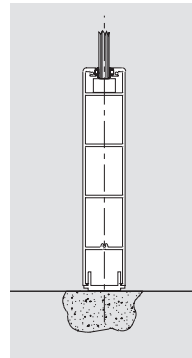
**4" (102)
Square
Dri-Fit rail**



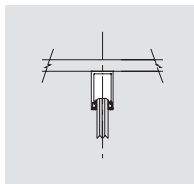
**4" (102)
Tapered*
Dri-Fit rail**



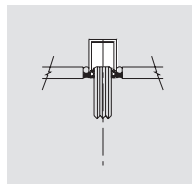
**6" (152)
Square
Dri-Fit rail**



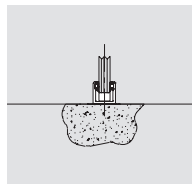
**10" (254)
Square
Dri-Fit rail**



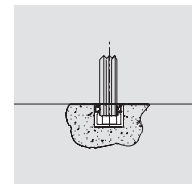
**1" x 1-3/4"
(25 x 44)
Top Dri-Fit
U-Channel
(shown flush mounted)**



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



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



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

Note:
Measurements are shown as inches followed by millimeters; for example, 1" (25).

Glass thickness availability for sidelite rails and u-channels¹

DRS sidelite height / profile		2-1/2" (64) SQ	2-1/2" (64) TP	3-5/8" (92) SQ	3-5/8" (92) TP	4" (102) SQ	4" (102) TP	6" (152) SQ	10" (254) SQ
Monolithic	3/8" (10)	X	X	X	X	X	X	X	X
	1/2" (12)								
Monolithic	5/8" (15)	X	X	X	-	-	-	X	X
	3/4" (19)								
Laminated	9/16" (14)	X	X	X	X	X	X	X	X
	11/16" (17)				(9/16" [14] only)	(9/16" [14] only)			
	13/16" (21)								

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



dormakaba.us

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