AGILE 150, RS 120 & DRS 120

Hardware for Manual Sliding Door Systems
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**Hardware for Manual Sliding Door Systems**

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DORMA AGILE 150 / AGILE 150 SYNCRO

Sleek Design – Sophisticated Technology

Compact and durable
Combining versatility and durability with sleek European design, the AGILE 150 system is suitable for use with glass, wood, composite, or metal sliding doors. The AGILE 150 system operates on a compact track with the roller assembly hidden inside. The track can be mounted on a wall, ceiling or—for the sleek appearance of no track at all—recessed into the ceiling to give the appearance of an all glass sliding door. In addition to its aesthetic benefits, the AGILE 150 system provides superior versatility in installation and maintenance. No glass drilling or machining is required for installation.

Minimal gap
The compact dimensions of the AGILE 150 track profile and its enclosed roller assembly allow for minimal clearances between the glass and wall or glass/glass components.

Sophisticated track roller technology
The AGILE 150 meets a wide range of demanding customer requirements. Just two maintenance-free clamp-type carriers support and transport glass panels weighing up to 330 lb (150 kg), with a maximum height of 108" (2.74 m). The carriers use the same track roller technology as the DORMA HSW horizontal sliding wall systems, which has proven successful over many years. Regarding ease of operation, AGILE requires only 4% of the overall maximum door mass to overcome initial friction and set the door in motion. Even large doors can be operated with minimal effort.

Elegant floor guide
The AGILE 150 features an attractive zinc die cast floor guide that can be adjusted for different glass sizes. It uses a rotating plastic insert to safely guide glass elements from 5/16" (8 mm) to 9/16" (14 mm) thick.

One system – many solutions
The AGILE 150 is truly versatile. The system can be mounted at the wall, to the ceiling, or along a header in either its single-panel or double-panel configuration, and with or without fixed sidelites.

No glass preparation
With the AGILE 150, drilling and cutting glass panels is unnecessary. Using its extensive expertise in glass fabrication, DORMA has designed the fittings so that a simple clamping action safely secures the panels. The uncomplicated installation is simple and quick. The standard variable clamp-type carriers can accommodate glass thicknesses from 3/8" (10 mm) to 1/2" (12 mm). Even after installing the glass panels, the clamp-type carriers enable you to make vertical adjustments of +/-3/16" (5 mm) as required.

Long service life
To ensure a long service life for the AGILE 150, DORMA has subjected the system to extensive tests involving more than 100,000 operating cycles. And because it is highly corrosion resistant, you can install and use the AGILE 150 in damp areas with complete confidence.

Convenient Syncro version
The AGILE system is also available in a Syncro version that makes use of a virtually invisible and thoroughly proven cable and pulley return system. In this configuration, double-paneled sliding door sets open and close as bi-parting doors when just one of the panels is operated.
Features and Data
DORMA AGILE 150

For installations with one or two door leaves, mounted to wall or ceiling, for 3/8" (10 mm) and 1/2" (12 mm) glass thickness

Max. weight of door leaves
330 lb (150 kg)

Max. height of door leaves
108" (2.74 m)

Calculation of glass height
GH = OH – 1-11/16" (43 mm)
or
GH = DLO + 3/4" (20 mm)
(see drawing)

Calculation of glass width
GW = OW + 2-3/8" (60 mm)
[min. 19-11/16" (500 mm)]

Torque for screws in the clamp-carriers
9 lb-ft (12 Nm)

GW  Glass width
TL  Track length
GH  Glass height
OH  Opening height
OW  Opening width
DLO  Daylight opening (bottom of track to finished floor)
Features and Data

**DORMA AGILE 150**

For installations with one or two door leaves, with sidelites; for 3/8" (10 mm) and 1/2" (12 mm) glass thickness

**Max. weight of door leaves**
330 lb (150 kg)

**Max. height of door leaves**
108" (2.74 m)

**Calculation of glass height**
Sliding panels:
GH = OH – 1-11/16" (43 mm)
(see right drawing)

Sidelites:
SH = OH – 1-7/8" (48 mm)
(see left drawing)

**Calculation of glass width**
Sliding panels:
GW = TL/2
[min. 19-11/16" (500 mm)]

Sidelites:
SW = GW + 1-3/16" (30 mm)

**Torque for screws**
in the clamp-carriers
9 lb-ft (12 Nm)

**GW** Glass width
**TL** Track length
**GH** Glass height
**SH** Sidelite height (fixed panel)
**OH** Opening height
**SW** Sidelite width (fixed panel)

\[ X = \begin{cases} 
5/8" & \text{for 3/8" glass (16 mm for 10 mm glass)} \\
9/16" & \text{for 1/2" glass (14 mm for 12 mm glass)} 
\end{cases} \]
AGILE 150 Track Profile
ceiling or wall mount
(for installation without sidelites),
drilled, stock length 157” (4 m)
Ref. No. 807.340
- Weight in lb/ft (kg/m)
  1.4 (1.910)
Cover profile 807.341/342 must be ordered separately.

AGILE 150 Syncro Track
ceiling mount
(for installation without sidelites),
stock length 157” (4 m)
Ref. No. 807.353
Cover profile 807.341 must be ordered separately.

AGILE 150 Syncro Track
Profile wall mount
(for installation without sidelites),
drilled, stock length 157” (4 m)
Ref. No. 807.355
Ref. No. 807.354
(mounting between walls)
Angle profile 807.342 must be ordered separately.

AGILE 150 Cover Profile,
ceiling mount
(for installation without sidelites),
stock length 157” (4 m)
Ref. No. 807.341
- Weight in lb/ft (kg/m)
  0.38 (0.52)
For use with 807.340/353 Track Profile.

AGILE 150 Angle Profile,
wall mount, drilled,
stock length 157” (4 m)
Ref. No. 807.342
- Weight in lb/ft (kg/m)
  1.06 (1.450)
For use with 807.340/355 Track Profile.

AGILE 150 Wood
Door Adaptor Profile,
drilled, for wood doors from 1-1/16” (28 mm) to 1-3/4” thick,
44 mm stock length 157” (4 m)
Ref. No. 807.369

AGILE 150 Track Profile
ceiling mount, drilled,
(for installation with sidelites),
stock length 157” (4 m)
Ref. No. 807.360
- Weight in lb/ft (kg/m)
  1.92 (2.623)
The sidelite/edge profile 807.361 and view protection profile 807.362 must be ordered separately.

AGILE 150 Syncro
Track ceiling mount
(for installation with sidelites),
stock length 157” (4 m)
Ref. No. 807.373
The sidelite/edge profile 807.361 and view protection profile 807.362 must be ordered separately.

AGILE 150 Sidelite
ceiling mount profile
(for installation with sidelites),
stock length 157” (4 m)
Ref. No. 807.361
- Weight in lb/ft (kg/m)
  0.26 (0.348)
For use with 807.360/373.

AGILE 150 View Protection
ceiling mount profile
to cover gap in entry area
(for installation with sidelites),
stock length 157” (4 m)
Ref. No. 807.362
- Weight in lb/ft (kg/m)
  0.30 (0.405)
For use with 807.360/373.

AGILE 150 Sidelite Inlaid
profile, ceiling mount
to cover gap in sidelite area
(for installation with sidelites),
stock length 157” (4 m)
Ref. No. 807.364
For use with 807.360/373 track.
AGILE 150/AGILE 150 SYNCRO ACCESSORIES

AGILE 150 accessory set
3/8" (10 mm) to 9/16" (14 mm) glass door thickness
Max. panel weight: 330 lb (150 kg)
Set includes: 2 rollers, 2 track stops, and 1 floor guide
Ref. No. 807.725

AGILE 150 commercial/wood door accessory set
1-1/16" (28 mm) to 1-3/4" (44 mm) door thickness
Max. panel weight: 330 lb (150 kg)
Set includes: 2 rollers, 2 track stops, and 1 wood door floor guide
Ref. No. 807.845

AGILE 150 Syncro set
for 2-panel synchronously opening system.
Max. panel width: 39-3/8" (1000 mm)
Max. panel weight: 176 lb (80 kg)
Set includes: 2 × accessory set 1 × deflection device incl. cable, adjustable
Ref. No. 807.330
Track profiles etc. to be ordered separately.

NOTE: AGILE track rail/wall angle must be prepared for syncro system before installing it.
Please read the mounting instructions carefully.

AGILE 150 floor guide
adjustable for 3/8" (10 mm), 1/2" (12 mm), and 9/16" (13.5 mm) glass thickness
Ref. No. 807.326
Weight in lb/ft (kg/m): 0.21 (0.094)

AGILE 150 wood door floor guide
Ref. No. 807.226

Laminated glass accessories

Ref. No. 934.801
3M™ Scotch-Weld™ EPX™ plus II applicator with 2:1 and 1:1 plunger

Ref. No. 934.800
3M™ Scotch-Weld™ Urethane Adhesive, DP 605 NS, off white, 1 tube per 4 roller carriers

Ref. No. 934.802
3M™ Scotch-Weld™ EPX™ plus II mixing square nozzle, 5.3 mm

Ref. No. 807.640
Laminated glass component, pair of clamp carrier plates, backset, and screws
AGILE 150 End Cap

**AGILE 150 endcap**

- **2-1/4" (57 mm)**
  - for wall mount track
  - Ref. No. 807.340/342
  - Ref. No. 807.720
  - Weight in lb (kg):
    - 0.03 (0.014)

- **2-1/8" (54 mm)**
  - for ceiling mount track
  - Ref. No. 807.340/341
  - Ref. No. 807.721
  - Weight in lb (kg):
    - 0.03 (0.014)

- **2-7/8" (72 mm)**
  - for track with sidelite installation
  - Ref. No. 807.360
  - Ref. No. 807.722
  - Weight in lb (kg):
    - 0.03 (0.014)

AGILE 150 Brush Profile

**Brush profile**

- for gaps up to 1/2" (13 mm),
  - stock length 118" (3 m)
  - Ref. No. 807.400

**Track brush**

- Ref. No. 807.385
  - stock length 49" (1.3 m)

**Brush profile**

- for gaps up to 11/16" (18 mm),
  - stock length 118" (3 m)
  - Ref. No. 807.402
Rugged Construction – Easy Operation

**Rugged track**
The DORMA RS 120 and DRS 120 feature a hollow profiled aluminum track that is light, yet rugged and resistant to twisting. It can be mounted directly under the ceiling or onto a wall. Cutting to the required size is simplicity itself. The raised, convex profile of the rail surface prevents dust and dirt from collecting.

**Clip-on covers**
The RS 120 covers are aluminum and easily clipped onto the track. If the track is top mounted onto the ceiling, the covers are used on both sides; if the track is side mounted, the cover is used on the exposed side only. The covers also can easily be cut to size.

The DRS 120 utilizes the RS track with DORMA DRS clamp-on rails. Rail heights are available in 3-5/8", 4", 6", and 10" tall. Snap-on covers make installation quick and easy.

**Sidelite profile**
A special profile to be hung and screwed into the track is available for systems that include fixed sidelites. The sidelite profile ensures the correct mounting distance between the glass and the track. Sidelite profiles can be provided with clip-on covers. Also, protection profiles are available to cover from below where sidelite profiles are exposed in the passage area.

**Gentle, easy action**
The carriers run on large nylon wheels with needle bearings, giving a quiet and very low friction ride. They are made from high grade, glass-fiber-reinforced nylon, which is corrosion resistant and extremely strong.

**End stop and holder**
An ingenious device within the track operates as a cushioned end stop, retaining the door securely in the end positions.

**Syncro version**
The RS 120 Syncro features a cable and deflection device for synchronously opening a bi-panel installation. Opening one panel automatically opens the other, so a minimum of effort leads to the maximum opening width.

**No glass preparation**
DORMA has extensive experience working with tempered glass, which has led to the development of a mechanism for clamping glass panels within the DORMA RS sliding-door gear. Drilling or cutting the glass panels is unnecessary. The clamping mechanism also allows you the flexibility of adjusting the height of the doors after they’ve been hung, without dismantling them.
Features and Data

DORMA RS 120

For one or more door leaves, with or without sidelites; 3/8" (10 mm) and 1/2" (12 mm) glass thickness.

Maximum weight of door leaves

<table>
<thead>
<tr>
<th>No. of carriers per door leaf</th>
<th>max weight per door leaf</th>
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<tbody>
<tr>
<td>2</td>
<td>264 lb (120 kg)</td>
</tr>
<tr>
<td>3</td>
<td>330 lb (150 kg)</td>
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</tbody>
</table>

Calculation of glass height

Height of sliding door leaf:

\[ GH = OH - 4\frac{5}{8}" (118 mm) \]

(see left drawing)

Height of sidelite:

\[ SH = OH - 2\frac{3}{4}" (70 mm) \]

+ insert into floor (see right drawing)

Calculation of glass width

Width of sliding door leaf:

\[ GW = TL/2 \] (min. 19-11/16" (500 mm))

Width of sidelite:

\[ SW = GW + 1\frac{9}{16}" (40 mm) \]

Torque for screws in the clamping patches

15 lb-ft (20 Nm)
**Features and Data**

**DORMA DRS 120**

For one or more door leaves, with or without sidelites; 3/8" (10 mm) and 1/2" (12 mm) glass thickness.

**Maximum weight of door leaves**

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</table>

**Calculation of glass height**

Height of sliding door leaf:

\[ GH = OH - 5-15/16" (151 \text{ mm}) \]

Height of sidelite:

\[ SH = OH - 6-3/4" (171 \text{ mm}) \]

**Calculation of glass width**

Width of sliding door leaf:

\[ GW = OW + 1-3/8" (35 \text{ mm}) \]

Width of sidelite:

\[ SW = GW + 1-3/8" (35 \text{ mm}) \]

**Torque for screws in the clamping patches**

15 lb-ft (20 Nm)

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**Abbreviations**

- **GW**: Glass width
- **TL**: Track length
- **GH**: Glass height
- **SH**: Sidelite height (fixed panel)
- **OH**: Opening height
- **OW**: Opening width
- **SW**: Sidelite width (fixed panel)
Sliding door gear RS 120
consisting of 1 track, 2 carriers
with clamping patches and
support screw for 3/8" (10 mm)
and 1/2" (12 mm) glass thick-
ness, 2 end stops, and 1 floor
guide.

Sliding door gear RS 120 Syncro
For 2-panel synchronously
opening system,
max. panel width
2 x 39-3/8" (1000 mm)
max. panel weight
176 lb (86 kg)
per panel, consisting of:
2 x accessory set 907.125
1 x deflection device incl. cable,
adjustable
Ref. No. 907.150

The following parts must be ordered
separately: sidelite profile, cover profile,
view protection profile.
INDIVIDUAL PARTS RS 120 / RS 120 SYNCRO / DRS 120

RS Track
prepared for ceiling or wall mount, stock length 157" (4 m)
Ref. No. 907.121
Weight in lb/ft (kg/m): 0.99 (1.355)

Endcap
track connected to ceiling, including screws
Ref. No. 907.129
Weight in lb (kg): 0.08 (0.037)

Endcap
track connected to wall, including screws
Ref. No. 907.127
Weight in lb (kg): 0.08 (0.037)

RS Cover profile
stock length 157" (4 m)
*Snap on covers for RS Track 907.121
Ref. No. 907.140
Weight in lb/ft (kg/m): 0.61 (0.826)

RS Sidelite profile
connectable to track, non prepared, stock length 157" (4 m)
Ref. No. 907.122
Weight in lb/ft (kg/m): 1.23 (1.680)

RS Bottom view protection profile
(only in combination with sidelite profile 07.122 and cover profile 07.140)
stock length 157" (4 m)
Ref. No. 907.138
Weight in lb/ft (kg/m): 0.12 (0.164)
RS 120 / RS 120 Syncro / DRS 120 Accessories

Set of accessories for RS 120
consisting of 2 carriers with clamping patches—3/8" (10 mm) and 1/2" (12 mm) glass thickness—and support screw, 2 end stops with safety catch, 1 floor guide
Ref. No. 907.125

Set of accessories for RS 120 Syncro
consisting of 2 x Ref. No. 907.125,
Syncro cable
Ref. No. 907.160

Additional carrier with clamping patches
3/8" (10 mm) and 1/2" (12 mm) thickness
max. panel weight
330 lb (150 kg)
Ref. No. 907.123

RS 120 / RS 120 Syncro floor guide
adjustable
Ref. No. 907.126
Weight in lb (kg):
0.05 (0.024)

DRS 120 floor guide
adjustable
Ref. No. 932.988
Weight in lb (kg):
0.05 (0.024)

Set of accessories for DRS 120
consisting of 2 rollers with mounting brackets and guide, 2 end stops, 1 floor guide
Ref. No. consult factory
GENERAL ACCESSORIES

Hook lock
for sliding doors, prepared for Europrofile cylinder, left hand and right hand, with lock keeper plate, suitable for lever handles with follower
Ref. No. 905.202
Weight in lb (kg):
aluminum 2.92 (1.325)

Strike box
to suit hook lock (905.202), non-handed, only to be used with bi-parting systems
Ref. No. 905.201
Weight in lb (kg):
aluminum 1.96 (89)

*Left/right hand (illustration shows left hand) is determined by view from hanging side.

Europose cylinder
key/thumbturn, handed (please specify right/left hand)
Ref. No. 901.004 (LH)
Ref. No. 901.002 (RH)

Set of lever handles
Flat handles
Available in 101 Clear Anodized or 107 Aluminum similar to Satin Stainless Steel finishes
Ref. No. 910.314

Set of lever handles
Tubular handles
Available in 101 Clear Anodized or 107 Aluminum similar to Satin Stainless Steel finishes
Ref. No. 910.301

Flush pull
aluminum, to be glued onto the glass—requires glass cut
Ref. No. 907.200
Weight in lb (kg):
0.16 (0.072)