AGILE 150
RS 120
DRS 120
RSP 80

Hardware for Tempered Glass Sliding Systems
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DORMA AGILE 150/AGILE 150 Syncro
Sleek design – sophisticated technology

Compact and durable
The AGILE 150 system, part of a new generation of high performance glass panel sliding door accessories from DORMA Glas, combines versatility and durability with sleek European design. 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 have proven successful over many years. Regarding ease of operation, AGILE satisfies the Class 3 criteria of EN 1527—a force equivalent to just 4% max. of the door mass needs to be applied in order to overcome initial friction and set the door in motion. Even large doors can be operated with minimal effort.

Reliable stop
Specially developed catch-type buffers gently decelerate the panels and reliably hold them in both their closed and opened states.

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 (performed to DIN EN 1527). 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**
\[ GH = OH - 1-11/16" \text{ (43 mm)} \]

or
\[ GH = DLO + 3/4" \text{ (20 mm)} \]

(see drawing)

**Calculation of glass width**
\[ GW = OW + 2-3/8" \text{ (60 mm)} \]

[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: \(GH = OH - 1-11/16" (43 \text{ mm})\) (see right drawing)
- Sidelites: \(SH = OH - 1-7/8" (48 \text{ mm})\) (see left drawing)

**Calculation of glass width**
- Sliding panels: \(GW = TL/2\) (**[min. 19-11/16" (500 mm)]**)
- Sidelites: \(SW = GW + 1-3/16" (30 \text{ mm})\)

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

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

\(X = 5/8" \) for 3/8" glass (16 mm for 10 mm glass)
\(9/16" \) for 1/2" glass (14 mm for 12 mm glass)
AGILE 150
AGILE 150 Syncro
Parts

Single parts for version without sidelites

AGILE 150 Track Profile
ceiling or wall mount
(for installation without sidelites), drilled,
stock length 157" (4 m)
Art. 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
celling mount (for installation
without sidelites),
stock length 157" (4 m)
Art No. 807.353
Cover profile 807.341 must
be ordered separately.

AGILE 150 Sidelite ceiling
profile (for installation
with sidelites),
stock length 157" (4 m)
Art. 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 Cover Profile,
ceiling mount (for installation
without sidelites),
stock length 157" (4 m)
Art. 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)
Art. No. 807.342
Weight in lb/ft (kg/m):
1.06 (1.450)
For use with 807.340/355
Track Profile.

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

Single parts for version with sidelites

AGILE 150 Track Profile
ceiling mount, drilled (for
installation with sidelites),
stock length 157" (4 m)
Art. 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 Sidelite Inlaid
profile, ceiling mount
to cover gap in entry area (for
installation with sidelites),
stock length 157" (4 m)
Art. No. 807.364
For use with 807.360/373
track.
AGILE 150 accessory set
Max. panel width: 54" (1400 mm)
Max. panel weight: 330 lb (150 kg)
Set includes:
2 clamp-carriers (for 3/8" (10 mm) or 1/2" (12 mm) glass thickness)
with stabilizer, 2 endstops with safety catch,
1 AGILE floor guide
Art. No. 807.325*
Weight in lb/ft (kg/m):
2.98 (1.354)

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 x accessory set
Art. No. 807.325,
1 x deflection device incl. cable, adjustable
Art. No. 807.330
Track profiles etc. to be ordered separately.

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

* If replacement parts are required, please mention the date of purchase.

NOTE: Various weights and measures in metric units. Refer to page 19 for Metric/English conversion.
AGILE 150 End Cap

AGILE 150 endcap
2-1/8" (54 mm)
for ceiling mount track
Art. No. 807.340/341
Art. No. 807.327
Weight in lb (kg):
0.03 (0.014)

AGILE 150 endcap
2-7/8" (72 mm)
for track with sidelite installation
Art. No. 807.360
Art. No. 807.329
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)
Art. No. 807.400

Brush profile,
for gaps up to 11/16" (18 mm),
stock length 118" (3 m)
Art. No. 807.402

Track brush
Art. No. 807.385
stock length 49" (1.3 m)

NOTE: Various weights and measures in metric units. Refer to page 19 for Metric/English conversion.
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 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", 8", 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 Glas 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.
RS 120
RS 120 Syncro Syncro
Typical Assemblies

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</th>
<th>max weight per door leaf</th>
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<tbody>
<tr>
<td>2</td>
<td>264 lb (120 kg)</td>
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<tr>
<td>3</td>
<td>330 lb (150 kg)</td>
</tr>
</tbody>
</table>

Calculation of glass height
Height of sliding door leaf
GH = OH – 4-5/8" (118 mm) (see left drawing)

Height of sidelite
SH = OH – 2-3/4" (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 + 1-9/16" (40 mm)

Torque for screws in the clamping patches
15 lb-ft (20 Nm)

GW = Glass width
TL = Track length
GH = Glass height (sliding panel)
SH = Sidelite height (fixed panel)
OH = Opening height
SW = Sidelite width
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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<tr>
<td>2</td>
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</tr>
<tr>
<td>3</td>
<td>330 lb (150 kg)</td>
</tr>
</tbody>
</table>

**Calculation of glass height**

Height of sliding door leaf

GH = OH – 5-15/16" (151 mm)

Height of sidelite

SH = OH – 6-3/4" (171 mm)

**Calculation of glass width**

Width of sliding door leaf

GW = OW + 1-3/8" (35 mm)

Width of sidelite

SW = GW + 1-3/8" (35 mm)

**Torque for screws in the clamping patches**

15 lb-ft (20 Nm)

OH = Opening height

OW = Opening width

TL = Track length

GW = Glass width

SW = Sidelite width

GH = Glass height

SH = Sidelite height

**NOTE:** Various weights and measures in metric units. Refer to page 19 for Metric/English conversion.
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 thickness,
2 end stops, and 1 floor
guide.

Sliding door gear
RS 120 Syncro
For 2-panel synchronously
opening system,
max. panel width =
2 × 39-3/8" (1000 mm)
max. panel weight =
176 lb (86 kg)
per panel, consisting of:
2 × accessory set 907.125
1 × deflection device incl.
cable, adjustable
Art. 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)
Art. No. 907.121
Weight in lb/ft (kg/m):
0.99 (1.355)

RS Cover profile
stock length 157” (4 m)
*Snap on covers for RS Track 907.121
Art. 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)
Art. 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)
Art. No. 907.138
Weight in lb/ft (kg/m):
0.12 (0.164)

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

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

NOTE: Various weights and measures in metric units. Refer to page 19 for Metric/English conversion.
RS 120/RS 120 Syncro 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
Art. No. 907.125

Set of accessories for RS 120 Syncro
consisting of
2 x Art No. 907.125, Syncro cable
Art. No. 907.160
Additional carrier with clamping patches—3/8" (10 mm) and 1/2" (12 mm) thickness—for max. panel weight 330 lb
Art. No. 907.123

RS 120/RS120 Syncro floor guide, adjustable
Art. No. 907.126
Weight in lb (kg): 0.05 (0.024)

DRS 120 Accessories

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

DRS120 floor guide, adjustable
Art. No. 932.988
Weight in lb (kg): 0.05 (0.024)
DORMA RSP 80
Saving space – creating room

The smooth and clean design of the DORMA RSP ensures unparalleled ease of operation in a sliding door. The aluminum track is a round extrusion with a special support profile for direct wall mounting. A flush plastic extrusion clips into the track rail to provide the running surface. Resting on this surface, the roller carriers—essential to the visual effect—quietly guide the sliding panel to the desired position, rolling unhindered to a safe stop every time.

All the visible metal components of the RSP 80 are manufactured in aluminum and feature an attractive satin finish. In addition to the standard EV1 Deco finish (similar to Clear Anodized aluminum), numerous special anodized finishes can be provided upon request. With its variety of color options, the RSP 80 will always blend perfectly with its surroundings.

The RSP 80 is designed for a standard opening, clear width of approximately 39-3/8” (1000 mm) and a maximum door weight of 176 lbs (80 kg). A complete set of hardware and fittings for one sliding glass door is supplied as a package. The RSP 80 system is easy and quick to install, simple to use, and alluring in appearance.

Minimal gap dimensions
Design specifications automatically ensure very small gap dimensions between glass and wall surfaces.

Sophisticated track roller assembly—secure hold
The RSP 80 satisfies a wide range of customer requirements: its two visible and maintenance-free roller carriers are rated to support glass panels of up to 176 lb (80 kg). A total of four holes drilled in the glass serve to efficiently hang the glass panel on two rollers. Proven track roller engineering ensures smooth and quiet operation. In terms of ease of operation, the RSP 80 satisfies the Class 3 EN 1527 criteria, which requires that just 4% of the door mass has to be overcome as initial force in order to start the door in motion.

Safe stopping
During both opening and closing cycles the doors are gently decelerated by a grip-type buffer in their ending positions.

Elegant floor guide
The innovative and attractive AGILE floor track incorporates an adjustment system for accommodating different glass thicknesses. A rotating plastic insert securely positions glass panels from 5/16” (8 mm) to 9/16” (13.5 mm) thick.

Long service life—corrosion resistance
Protracted tests comprising over 50,000 motion cycles (to EN 1527) have proven the RSP 80 to have a long service life. The RSP 80 also offers a high level of corrosion resistance, making these fittings suitable for use in wet rooms.
DORMA RSP 80 sliding door set for 3/8" (10 mm) glass consisting of track profiles for max. panel width 42-1/2" (1080 mm), roller, stopper, and floor guide, finish Aluminum EV1 Deco (similar to Clear Anodized)
Art. No. 830.700
Weight in lb (kg):
12.34 (5.6)

DORMA RSP 80 slidding door system for Tempered Glass Sliding Systems

Typical Assembly

DORMA RSP 80 Typical Assembly
Glass Application Set

Preparation for glass applications

Set components for glass applications

Single components

Roller, carrier, stop, and floor guide:
Art. No. 830.701

RSP 80 track profile for mounting to wall
stock length 157" (4 m)
Art. No. 830.705

RSP 80 track profile for mounting to wall
in fixed length (min. door width should not go below 31-1/2" [800 mm])
63" [1600] track profile
Art. No. 830.706
**DORMA RSP 80 Wood Application Set**

**Set components for wood applications**

- DORMA RSP 80 sliding door set for wood applications consisting of track profiles for max. panel width 42-1/2" (1080 mm), roller, stopper, and floor guide, finish Aluminum EV1 Deco (similar to Clear Anodized)  
  Art. No. 830.707  
  Weight in lb (kg): 12.34 (5.6)

**Single components**

- Roller, carrier, stop, and floor guide for wood applications  
  Art. No. 830.708  
- RSP 80 track profile for mounting to wall (wood application)  
  stock length 157" (4 m)  
  Art. No. 830.712  
- RSP 80 track profile for mounting to wall (wood application) in fixed length (min. door width should not go below 31-1/2" [800 mm] / 63" [1600 mm] track profile)  
  Art. No. 830.713

**Preparation for wood applications**

- Preparation for wood application

**NOTE:** Various weights and measures in metric units. Refer to page 19 for Metric/English conversion.
**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
**Art. 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
**Art. No. 905.201**
Weight in kg:
- aluminum 0.890

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

**Set of lever handles**
- **Flat handles**
  - Available in 101 Clear Anodized or 107 Aluminum similar to Satin Stainless Steel finishes
  - **Art. No. 910.314**
- **Tubular handles**
  - Available in 101 Clear Anodized or 107 Aluminum similar to Satin Stainless Steel finishes
  - **Art. No. 910.310**

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

**Europrofile cylinder**
Key/thumbturn, handed (please specify right/left hand)
- **Art. No. 901.004 (LH)**
- **Art. No. 901.002 (RH)**
### Metric/English Conversion

**kg/lb conversion**
To convert to pounds, multiply kilograms by 2.2.

**inch/mm conversion**
To convert to millimeters, multiply inches by 25.4.
To convert to inches, divide millimeters by 25.4 or multiply millimeters by 0.03937.

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