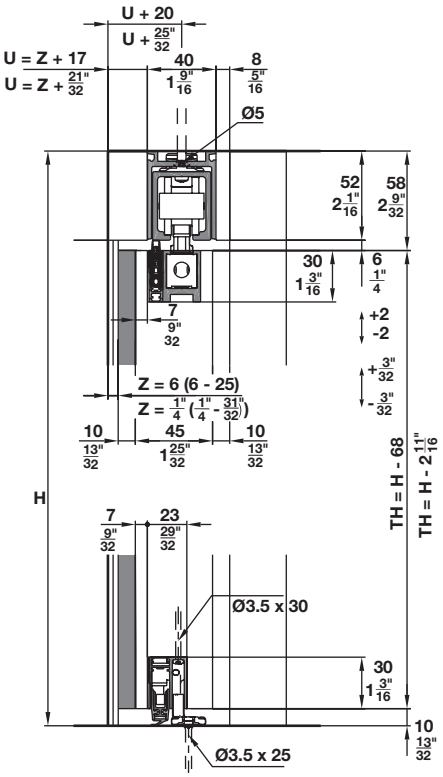
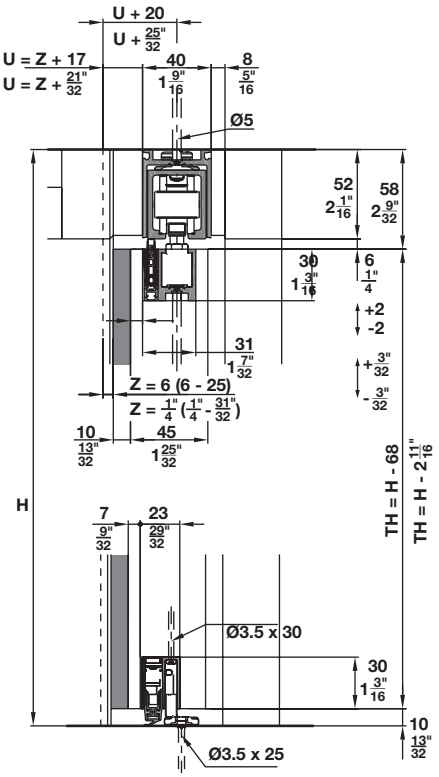
Hawa Junior 100 B Pocket Acoustics

- Effective damping of noise, drafts, odors and unwanted light incursions between two rooms
- For 1 sliding wood door, for soundproof and thermally broken sliding door systems
- Pocket door application
- Low opening forces <30 N (6.7 lbs.)
- Door weight: max. 100 kg (220 lbs.)
- Door width: 800–1300 mm (32 5/16"–56 5/16")
- Clear opening width: 750–1250 mm (29 1/2"–49 3/16")
- Door thickness: 44–50 mm (1 3/4"–1 31/32")
- Height adjustable: ±2 mm (3/32")
- Sound rating: Depending on the door and wall construction a maximum sound insulation value of 41 decibels can be achieved.

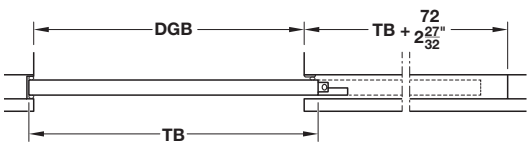
Installation examples



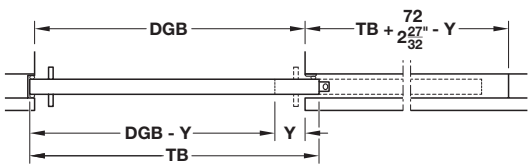


Z = Seal strike profile
U = Z + 17 mm (11/16")
TH = Door height
H = Installation height

Door width calculation TB



Door fully opened, TB = DGB + 50 mm (1 31/32")



Door partially opened, TB = DGB + 50 mm (1 31/32")

Image shown is left closing
TB = Door width
DGB = Clear opening width

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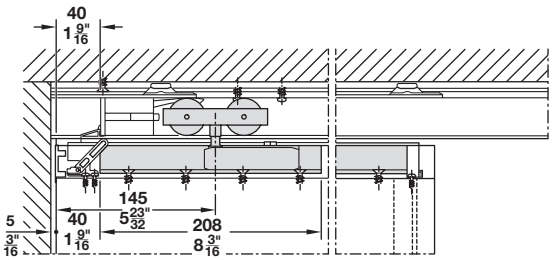
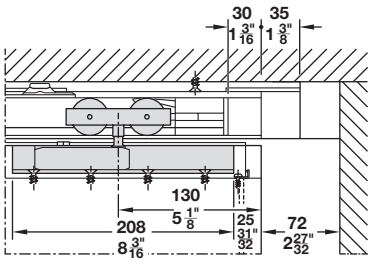
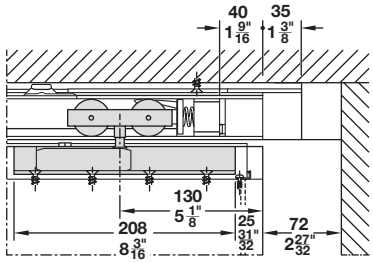


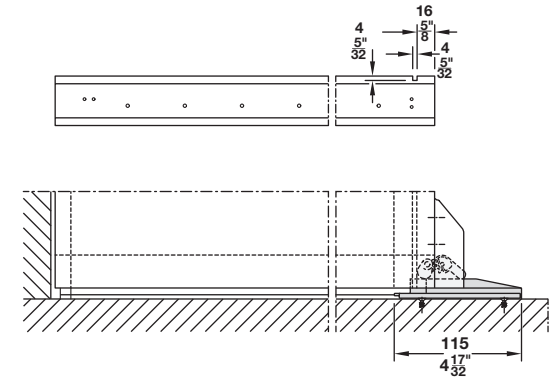
Locking side, SoftStop Acoustics with ramp

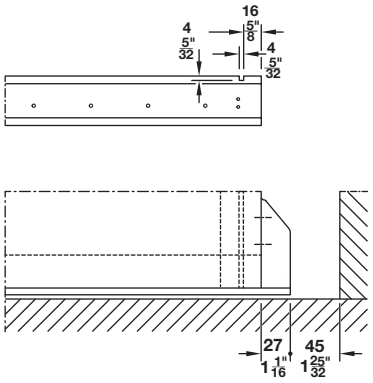


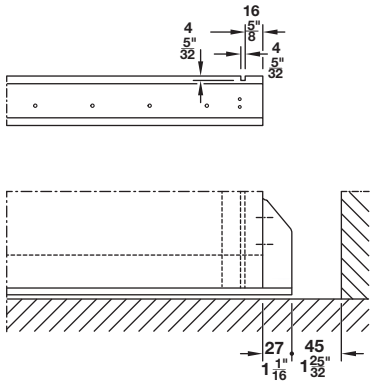
Pocket side, SoftStop

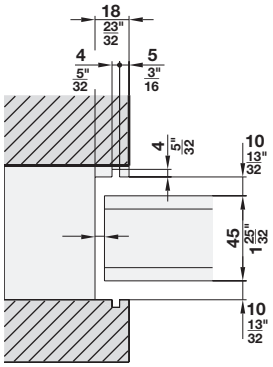


Pocket side, spring-loaded buffer

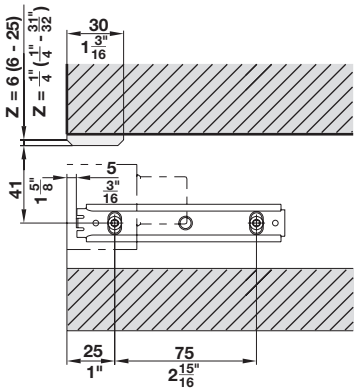








Detail: Lock side



Detail: Floor guide

Mounting hints

> Distance between the sliding door and the seal contact surface: 10 mm (13/32")
> Gap between the lower edge of the door and the floor: the horizontal seal can absorb a floor clearance of 8–12 mm (5/16"–15/32")
> The use of a soft close mechanism is possible but only in the open direction (pocket side)

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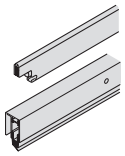
→ For 1 Sliding Door Without Upper Track

Model	Door width	Supplied with	Item No.
Junior 100 B / B Pocket with SoftStop on both sides, without soft close	≥ 800 mm (31 1/2")	2 running gears 2 carrier profiles with suspension plate incl. M10 bolt 1 SoftStop, with retaining spring and ramp 1 SoftStop, with retaining spring 1 Cover cap set, plastic, aluminum finish 1 adjustment wrench	941.04.017

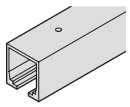
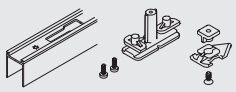
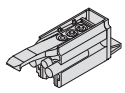
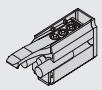
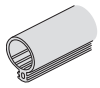
→ Seal Set

Description		Supplied with	Handing	Size	Item No.
Horizontal seal set		1 upper seal 1 lower seal 1 small part set, top 1 small part set, bottom 1 pocket door adapter	Left	XS	940.80.460
				S	940.80.461
				M	940.80.462
				L	940.80.463
				XL	940.80.464
			Right	XS	940.80.465
				S	940.80.466
				M	940.80.467
				L	940.80.468
				XL	940.80.469

Seal selection for doors fully and partially opened

Seal size	Clear opening width DGB
XS	750–850 mm (29 1/2"–33 7/16")
S	850–970 mm (33 7/16"–38 3/16")
M	970–1100 mm (38 3/16"–43 5/16")
L	1100–1220 mm (43 5/16"–48 1/16")
XL	1220–1250 mm (48 1/16"–49 3/16")

→ Upper Tracks and Accessories

Description		Material	Finish	Length	Item No.
Upper track, pre-drilled 34 x 40 mm (1 11/32" x 1 9/16")		Aluminum	clear anodized	1.6 m (5' 3")	940.80.160
				1.8 m (5' 10 7/8")	940.80.180
				2 m (6' 6 3/4")	940.80.200
				2.2 m (7' 2 5/8")	940.80.220
				2.5 m (8' 2 7/16")	940.80.250
				3 m (9' 10 1/8")	940.80.300
Fixing profile for upper track with bayonet lock, with mounting set (can be shortened to respective track length)		Aluminum	clear anodized	2 m (6' 6 3/4")	940.80.420
				2.5 m (8' 2 7/16")	940.80.421
				3 m (9' 10 1/8")	940.80.422
SoftStop track stopper with adjustable retaining spring and ramp		–	–	–	941.04.304
SoftStop track stopper with adjustable retaining spring		–	–	–	941.04.301
Vertical seal		Silicone	–	7.7 m (25' 3 1/8")	940.00.500
Junior 80/100 spring buffer, cannot be used in combination with SoftMove		Zinc Alloy	–	–	940.80.320

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Dimensional data not binding. Dimensions in mm, inches are approximate. We reserve the right to alter specifications.

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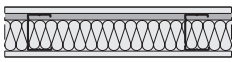
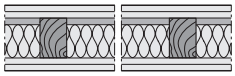
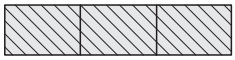
Soundproofing Matrix between Rooms
All reference values were measured using a practical setup. The sound insulation values Rw indicate the sound insulation to be expected between the two rooms, which are influenced by the wall, the system and the choice of the door. Reference values tested with a lightweight wall according to James Hardy (Type 1 H 31 / Rw 52 dB) size 2.5 x 2.45 m according to DIN EN ISO 10140-2. Passage dimension 2.0 x 1.0 m. The sound insulation refers to the entire construction and indicates what sound insulation can be expected between the two rooms.

Wall construction examples	System	Door thickness	Door	Expected room to room sound retenton
Wall construction with a sound insulation value of at least Rw 52 dB Metal stud wall construction  Wood stud wall construction  Solid wall construction  Insulation values of wall construction according to manufacturer. The sound insulation values can differ with other wall construction types.	**Wall Mounted Installation**			
	Without Hawa Acoustics	38 mm (1 3/8")	Door without a sealing system	≈ 18 dB
	Hawa Porta 60 HMD Acoustics Hawa Porta 100 HMD Acoustics		Door, approx. 19 kg/m2, sound insulation vale Rw 29 dB	≈ 31 dB
			Chipboard, approx. 25 kg/m2, no defined sound insulation	≈ 30 dB
			Door with medium sound insulation, approx. 25 kg/m2, sound insulation value Rw 39 dB	≈ 34 dB
	Hawa Junior 100 B Acoustics Hawa Porta 60 HMD Acoustics Hawa Porta 100 HMD Acoustics	44 mm (1 3/4")	Door, approx. 20 kg/m2, sound insulation value Rw 29 dB	≈ 30 dB
			Door with medium sound insulation, approx. 28 kg/m2, sound insulation value Rw 40 dB	≈ 34 dB
	Hawa Junior 100 B Acoustics	50 mm (1 31/32")	Door with high sound insulation, approx. 33 kg/m2, sound insulation value Rw 39 dB	≈ 35 dB
	Pocket Door Installation			
	Without Hawa Acoustics	38 mm (1 3/8")	Door without a sealing system	≈ 20 dB
	Hawa Porta 60 HMT Pocket Acoustics Hawa Porta 100 HMT Pocket Acoustics		Door, approx. 19 kg/m2, sound insulation value Rw 29 dB	≈ 31 dB
			Door with medium sound insulation, approx. 25 kg/m2, sound insulation value Rw 39 dB	≈ 37 dB
	Hawa Junior 100 B Pocket Acoustics Hawa Porta 60 HMT Pocket Acoustics Hawa Porta 100 HMT Pocket Acoustics	44 mm (1 3/4")	Door, approx. 20 kg/m2, sound insulation value Rw 29 dB	≈ 32 dB
			Door with medium sound insulation, approx. 28 kg/m2, sound insulation value Rw 40 dB	≈ 39 dB
	Hawa Junior 100 B Pocket Acoustics	50 mm (1 31/32")	Door with high sound insulation, approx. 33 kg/m2, sound insulation value Rw 39 dB	≈ 41 dB