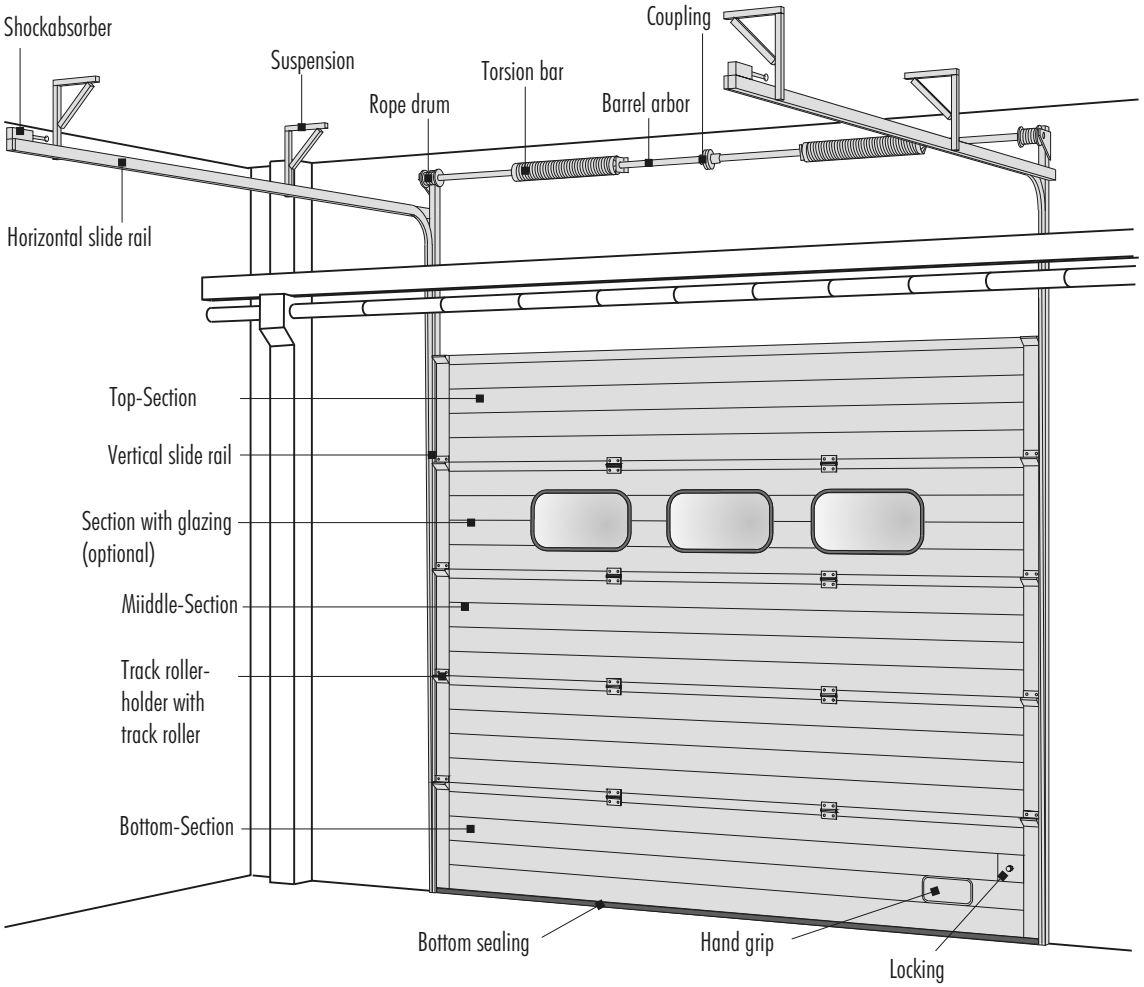
Nani - Sectional door High-led fitting Type HL.



Fitting for high stroke over crane rails or similar mechanisms HL.

The fitting HL is used with large fall heights. When opening the door the door sections are led above the fall and over a tubing or a crane track and returned afterwards into the horizontal one, so that they are placed in the opened status under the cover. The door is suitable for an easy manual control. The torsion bars needed for balancing the door page are non-standard calculated and manufactured on most modern feather/spring machines.

The sectional doors are manufactured non-standard for each door opening from formed aluminum or galvanized steel sheet. High-isolating CFC-free polyurethan-foam, which creates the chemical network between front and back sheet, makes the section doubly self-supporting.

The number of window sections can be varied as required - also combination and placing can be determined individually.

As door with an electric drive it corresponds to the safety regulations of the professional association, the "Guidelines for strength-operated windows, doors and gates" after ZH 1/494, always in the newest case version.

ST8-9407-E

Changes to specification maybe made without prior notification.

VERLADETECHNIK

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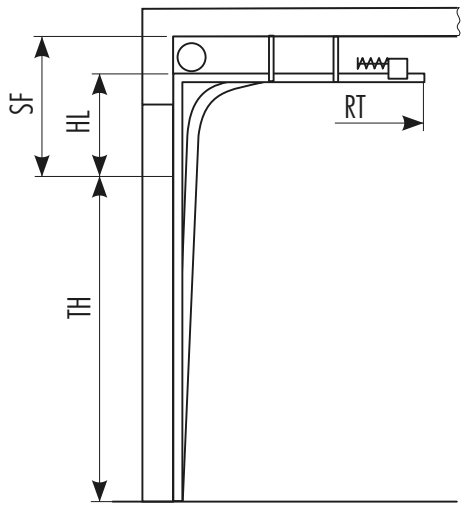
Nani - Sectional door. High-led fitting Type HL.

High-led fitting (Example)

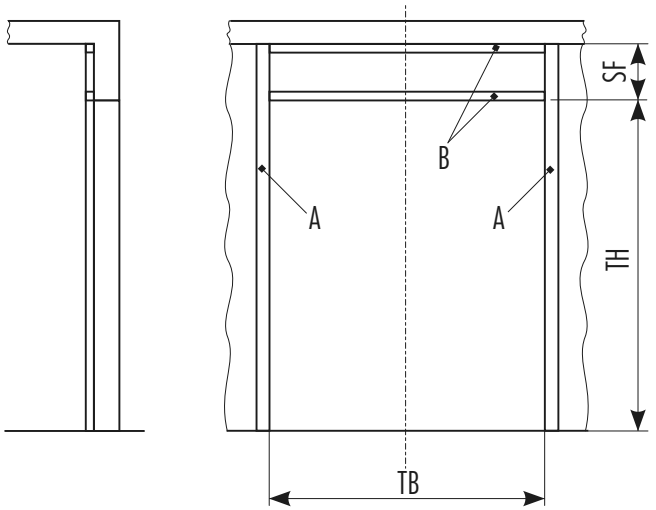


TB = max. 10000 mm, clearance door width
TH = max. 6700 mm (HL 2200), cl. door height
TH = max. 5800 mm (HL 3300)
SF = min. 600 mm, lintel-free space
HL - Lifting
RT = TH - HL + 550 mm, required space
Free space on the right sides min. 120 mm
Free space on the left side min. 120 mm

At the use of an E-propulsion or chain propulsion you need min. 200 mm more space on one side!

A mounting frame is necessary if the door has to be installed at a 'not to burden statically' assembly plant such as trapezium sheet, gas concrete or panels or if there exists no flush limit area!

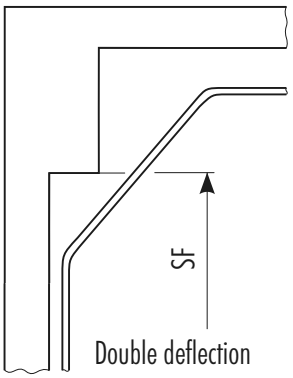
Mounting frame

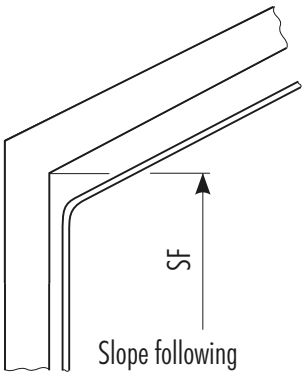


Door limit frame i.e.
rectangular pipe, 80 x 40 x 2 mm

A: 2 pieces, L = TH + SF
B: 2 pieces, L = TB

Special fittings





Changes to specification maybe made without prior notification.

ST3-2407-E

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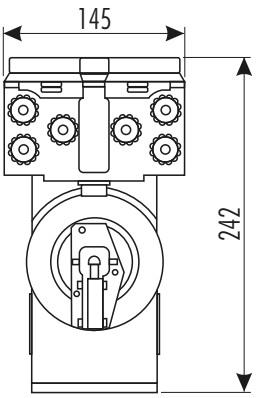
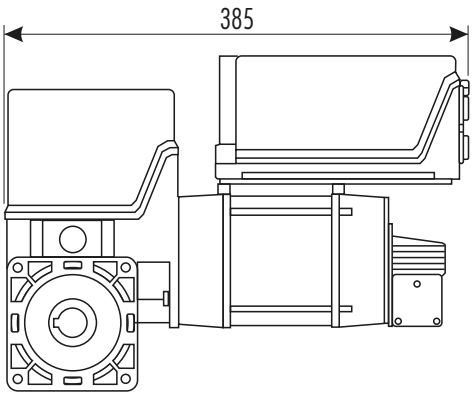
Nani - Sectional door. Propulsions and Types of section.

E-Propulsion

Size SE 9.24

Propulsion gets adapted to the door-size

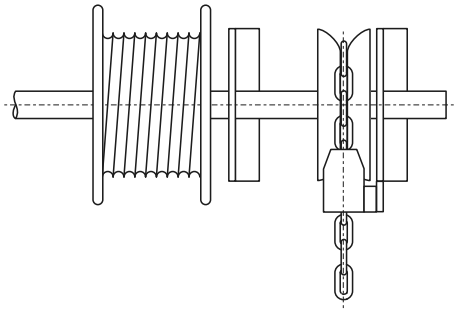




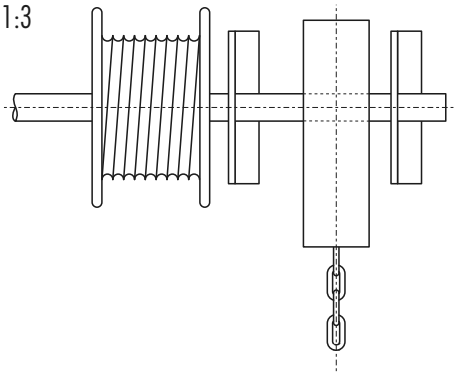
Hollow shaft diameter	mm	25 / 25,4	Engine-Nominal current	A	2,1 / 1,2
Drive torgue	Nm	90	Engine-On-Time	ED	S3 - 60 %
static holding torgue	Nm	240	Feedline /Fuse (provided by customer)		5 x 1,5² / 10 A delay
Door weight upto ca.	N	3000	Continous sond pressure level	dB (A)	<70
Engine power	kW	0,37	Protection class	IP	54
Operating voltage	V	3 x 230 / 400; 50 Hz	ELEKTROMATEN-weight	kg	15
Control voltage	V	230; 50 Hz			

Chain drive

Direct



Transformation1:3 in the gearbox

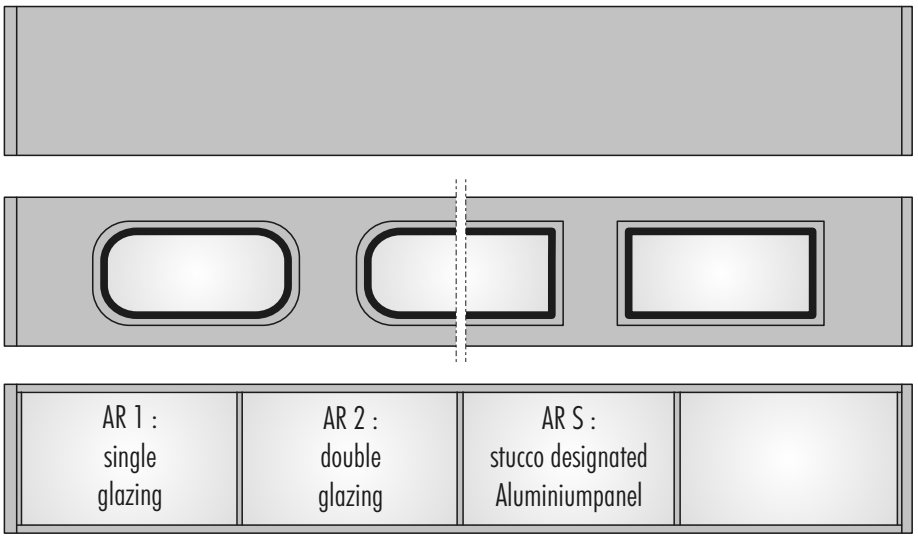


Type of sections

S 40
stucco / flat
with crimping
RAL 9002

S 40 F / R
oval windows
S 40 F / E
rectangular windows

AR
Alu-Frame-
Sections



ST1-9804-E

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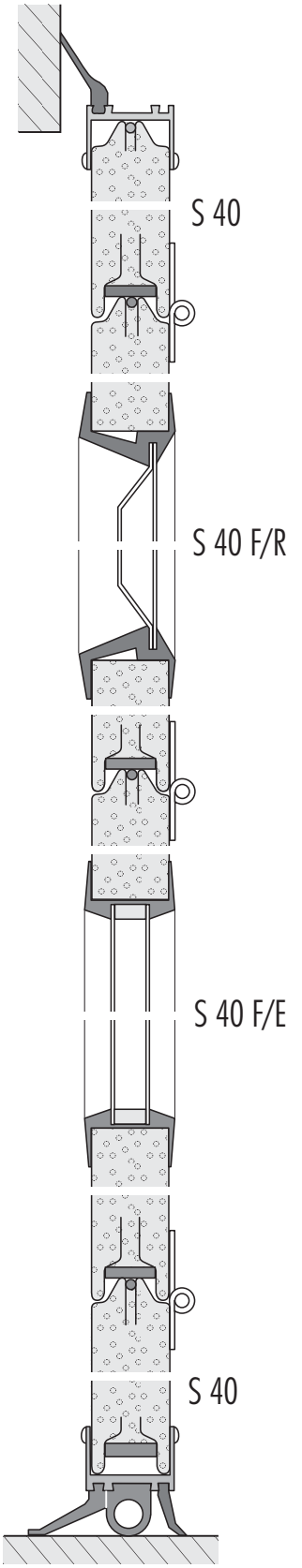
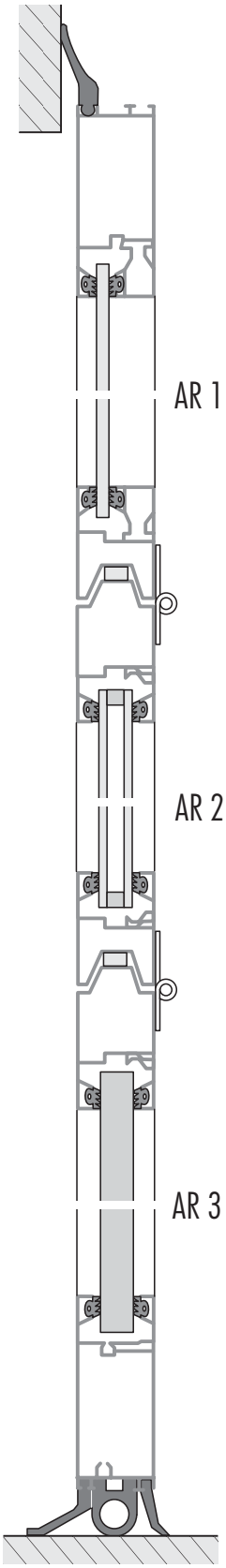
Type Thermo F/R



Type AR



section type	K-value (W/m² °C)	db-value (db)
S 40	~0,47	~22
S 40 F	~0,75	~19
AR	~2,60	~15

Upper sealing

All doors have a top sealing strip in a fastener. This fastener can be delivered in different versions.
Protects the upper section.

Section sealing

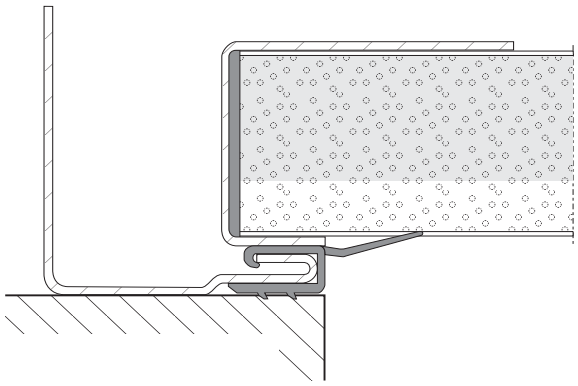
Between the sections is a strong rubber bar mounted. The solutions guarantees an optimal sealing against the wind as well as against driving rain.

Bottom sealing

The door has a special rubber profile with three sealing-lips.
Furthermore serves this bottom sealing as pressure-wave-contact-strip for the E-propulsion.

Side sealing

All insulated doors have a combined guide rail/sealing lip.
It guarantees a maximum sealing and a frictionless function.



S10-2804-E

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