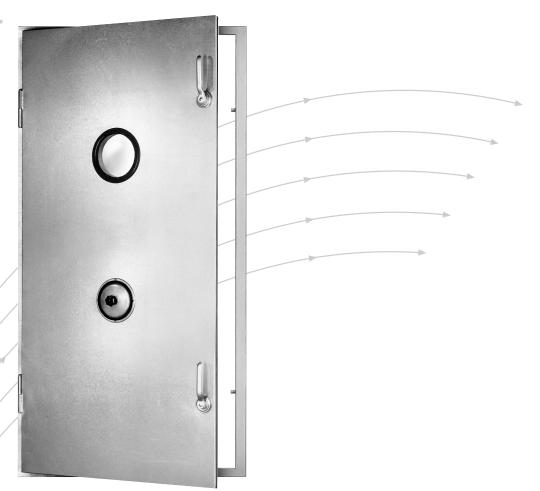
Low Leakage Steel Door

Type ST-XT





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 $\begin{array}{rrr} \mathsf{ST} & \cdot & \mathsf{STV} \\ \mathsf{XT} & \cdot & \mathsf{XTV} \end{array}$



ST-D · STV-D XT-D · XTV-D



Low leakage steel doors are designed for use in air conditioning systems, plant rooms, filter plenums, air handling units etc. If exposed to the weather the steel doors should be protected with anti-corrosion paint. The stable construction guarantees a very low leakage even with high pressure differentials. Good sound insulation is also achieved in the construction with additional acoustic treatment (X versions).

Construction

Type ST \cdot STV \cdot XT \cdot XTV

ST

 Double skinned door in galvanised sheet steel with rockwool insulation: door thickness d approx. 44 mm

- Installation frame (angled section or U-channel) with galvanised builders cleats welded in position
 Double lever locking devices (2 off) diecast aluminium,
- enables operation from both sides
- APT rubber seal, temperature resistant up to 90 °C
- Maximum pressure differential 1000 Pa (pressure should push the door against the frame); leakage 2 m³/h

STV

As for type ST, but:

3

- Reinforced door construction
- Maximum pressure differential 2000 Pa (pressure should push the door against the frame); leakage 4 m³/h

XT

As for type ST, but also with additional acoustic treatment

XTV

5

1

H/B

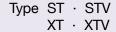
0 0 0

ca. 30/B

(4) ^I

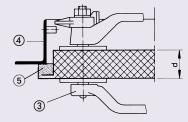
ca. 20

As for type STV, but also with additional acoustic treatment

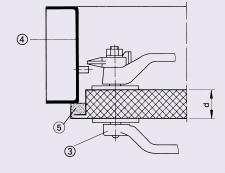


Detail of Double Lever Locking Device

With angled section installation frame



With U-channel installation frame



1) Door

- Rockwool insulation
- ③ Double lever locking device not removeable
- ④ Installation frame, angle section or U-channel

⑤ Seal

Construction

Type ST-D · STV-D · XT-D · XTV-D

ST-D

- Double skinned door of galvanised sheet steel with rockwool insulation
- Installation frame (angle section or U-channel) with screw-fixed centre mullion and galvanised builders cleats welded in position
- Double lever locking devices (2 off per door) in diecast aluminium, enabling operation from both sides
- APT rubber seal, temperature-resistant up to 90 °C
- Maximum pressure differential 1000 Pa (pressure should push the door against the frame); leakage 4 m³/h

STV-D

As for type ST-D, but:

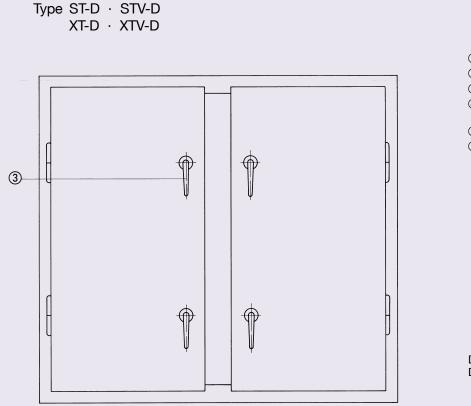
- Reinforced door construction
- Maximum pressure differential 2000 Pa (pressure should push the door against the frame); leakage 8 m³/h

XT-D

As for type ST-D, but also with additional acoustic treatment

XTV-D

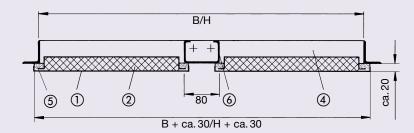
As for type STV-D, but also with additional acoustic treatment





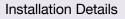
- Rockwool insulation
- ③ Double lever locking device
- ④ Installation frame,
- angle section or U-channel
- ⑤ Seal
- 6 Centre mullion

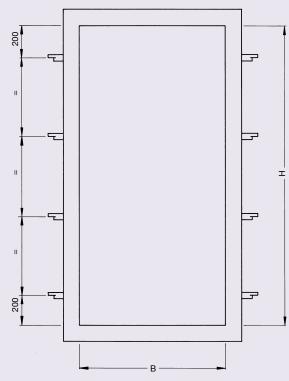
Detail of Double Lever Locking Device see page 3



Standard Sizes · Installation Details

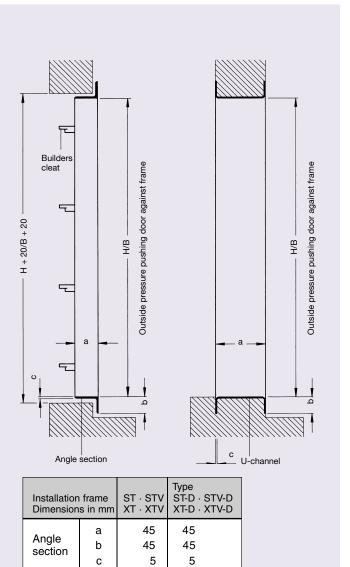
Туре	B in mm	H in mm		cleats on H dimension
ST STV XT XTV	500 600 600 800 940	1500 1600 1800 1800 1940	_	3 3 4 4 4
ST-D STV-D XT-D XTV-D	1080 1280 1280 1680 1960	1500 1600 1800 1800 1940	1	4 4 5 5 5





Single door construction shown

For double door construction, 1 additional builders cleat on the B dimension



115 or 240

50

5

С

а

b

С

U-

channel

Product Range

Angle section installation Frame - single door - 45/45/5 Frame - double door - 50/50/5 Frame

Construction	Complete with		Code
	Night Latch Lock		Z 01 *
Basic Construction	Glass Inspection Port	Øca. 190	Z 02 *
	Pressure Relief Valve		Z 03 *
	Lock with Glass Inspection Port		Z 04 *
	Lock with Pressure Relieve Valve		Z 05 *
	Glass Inspection Port with Pressure Relief Valve		Z 06 *
	Lock with Glass Inspection Port and Pressure Relief Valve		Z 07 *
Padlock Facility (excludes padlock)		Z 08 *	
U-channel installation frame 115/50/4.5	•		13
U-channel installation frame 240/50/4.5			15

Painted/Stainless Steel construction available on request. *Double doors shall have the selected option on each leaf.

Accessories · Technical Data

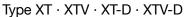
Nomenclature

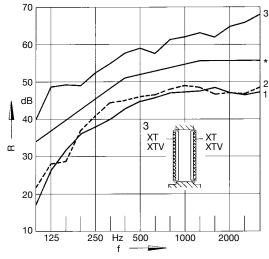
R in dB: Sound reduction index R_w in dB: Sound reduction index rating in Hz: Frequency f

Туре	Graph	R _w in dB
XT · XTV	1	4346
XTD · XTV-D	2	4447
XT · XTV (doors on both sides of wall opening)	3	5861

Note:

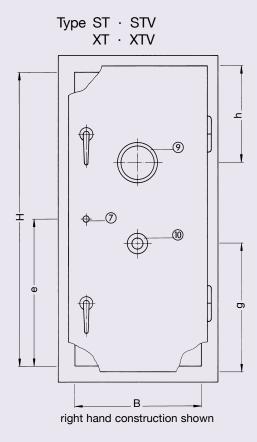
Before mortaring in place, align door carefully; when the door is closed, the seal must be in contact with the door frame all the way around.





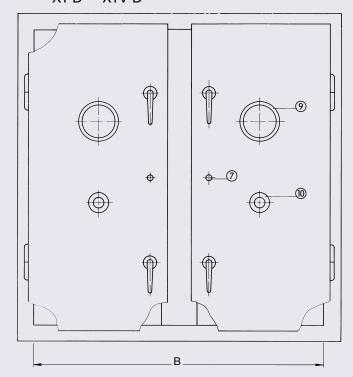
* Reference curve from DIN EN ISO 717

Arrangement of Accessories



Dim. in mm	Type ST · STV XT · XTV ST-D · STV-D XT-D · XTV-D
e	H/2
g	H/2 – 190
h	570

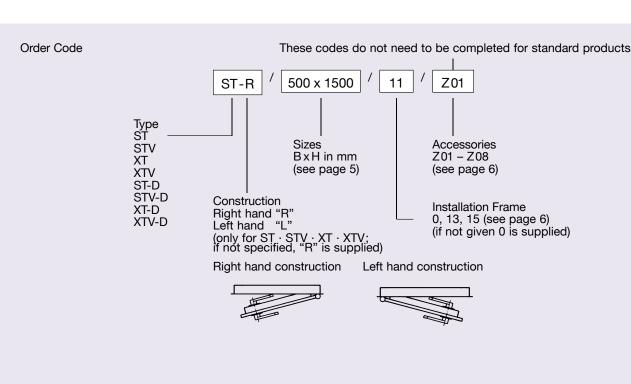
XT-D · XTV-D



⑦ Night Latch Lock ③ Glass inspection port 1 Pressure relief valve

Type ST-D · STV-D

Order Details



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Specification Text

- Low leakage steel doors comprising:
- Double skinned door in formed galvanised sheet steel to DIN EN 10142; with insulation of non-flammable rockwool
- to DIN 4102
- Installation frame with welded hinges and galvanised steel builders cleats
- Double lever locking devices enalbes operation from both sides, in diecast aluminium
 Peripheral profiled rubber seal of APT, temperature resistant up to 90 °C

Installation frame: see data on pages 5 and 6

Accessories: see data on pages 6 and 7

Type: see data on pages 3 and 4

Order Example Make: TROX

Type: ST-R / 500 x 1500 / 0 / Z01

Qty: 4