

# Q Door

## Technical Specifications



[www.hag.co.uk](http://www.hag.co.uk)  
Advice Line 0800 072 3444

# Q Door



## What is it made from

Constructed from a composite of polyurethane with a steel reinforced frame between aluminium skins.

## Typical Uses or Specific Use

Typical uses are industrial appliance bay doors.

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For further information about this product please call the HAG advice line on 0800 072 3444 or email [info@hag.co.uk](mailto:info@hag.co.uk)

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## Product Overview

### Description

Q Door, Bi folding Panel Door

### Common use

Industrial

### Maximum Width

10000mm

### The Door Panel

The door panel is made by robust steel reinforced stretch-frame holding pressure cast Polyurethane foam between outer coverings.

The outer skin can be either plastic coated or galvanised steel 0.6mm thick skin in a profiled design.

The pressure cast Polyurethane foam is completely Freon free making the door the most sturdy and resilient in its class. \*(Figure: Of 52Kg density / m<sup>3</sup>).

The reinforced stretch-frame is 5mm thick steel with anchor profiles to reinforce locks, hinges and mountings for incomparable durability.

### Adjustable Hinges

Fixings that do move for operation proposes, have been designed on the basis of simplicity and heavy dimensioning to guarantee extremely low service cost and a long service life in respect of operating functions, corrossions, energy saving Etc.

Two Specifically Developed Hinges That Provide Variations

KGJQ- (Standard hinge) Normally used together with a steel plate door sil 100x100mm that is fitted to the floor. Each time the door moves the steel door is swept off; providing a flat and clean sealing surface. KGJQ is adjustable vertically.

3D Hinge - Is used on flat floors (or if the floor slopes towards the door). Multi dimensional adjustment and lifting movement. Roller bearing runs on the track and lifts the door while moving. To adjust the door and seal vertically and sideways.

### Electric operation

All electric operated Q doors are automatic locking

### Manual operation

Q Door is operated and locked as standard on the inside using a padlock on an external cremone bolt. As an extra the cremone bolt can be fitted with a cylinder lock (excl. cyl.)

### Sealing System

It is important that the door is equipped with a sealing system that withstands ageing that is why there are four different corner-sealing joints placed around the door.

The rubber sealing system gives the door the markets best Insulation and tightness tested values for insulation

### Insulted to European Standards

Q doors F4's Sealing system complies with this top European requirement, but at three times the pressure!

\*(Figures: The top European class 3 for air leakage describes air leakage (T Value) as at best 1.5m<sup>3</sup>/m<sup>2</sup>/h at 50 Pa pressure. I.e. 1.5 m<sup>3</sup> / m<sup>2</sup> /h to 150 Pa)

## Product Overview

### Windows

Windows can be placed in variable combinations and sizes in the door panel as an extra.

The standard windows have aluminium frames, with the option of powder coating.

All window frames are constructed with an open thermal bridge and Toughened Insulated Double Glazed Glass as standard for insulation.

### Operating Motor

The motor is simple, reliable and extremely durable. This virtually eliminated any maintenance costs.

There are two versions of motor unit, which operate closing at the rate 8 or 12-second. This choice reduces heat loss by matching the correct speed motor with your access speed be it vehicle or pedestrian.

### The Door Holder (Manual Doors Only)

When in the open position the door leafs are held back with the door holder for safety.

The door holder engages and locks when the door is opened and is manually disengaged before closing.

Alternatively doors that open inwards can be fitted with a gas spring controlled door holder with a semi automatic opening mechanism. When the set time limit is reached the door holder deactivates and allows the door to close automatically. No special actions are required to set or close the door.

Electric Doors will self hold open.

### Safety Factor

Sensors disengage door movement Built within the sealing system are sensors, when an object touches the rubber seal the sensor is activated and disengaged movement of the door.

### Q Door Options

Customising the Q Door to Your Specification adapting

- Sections
- Colour
- Opening inward opening or outward
- Door Stop
- Windows
- Entry door
- Window Grille
- Operation, Manual or electric

### Environmental Specification

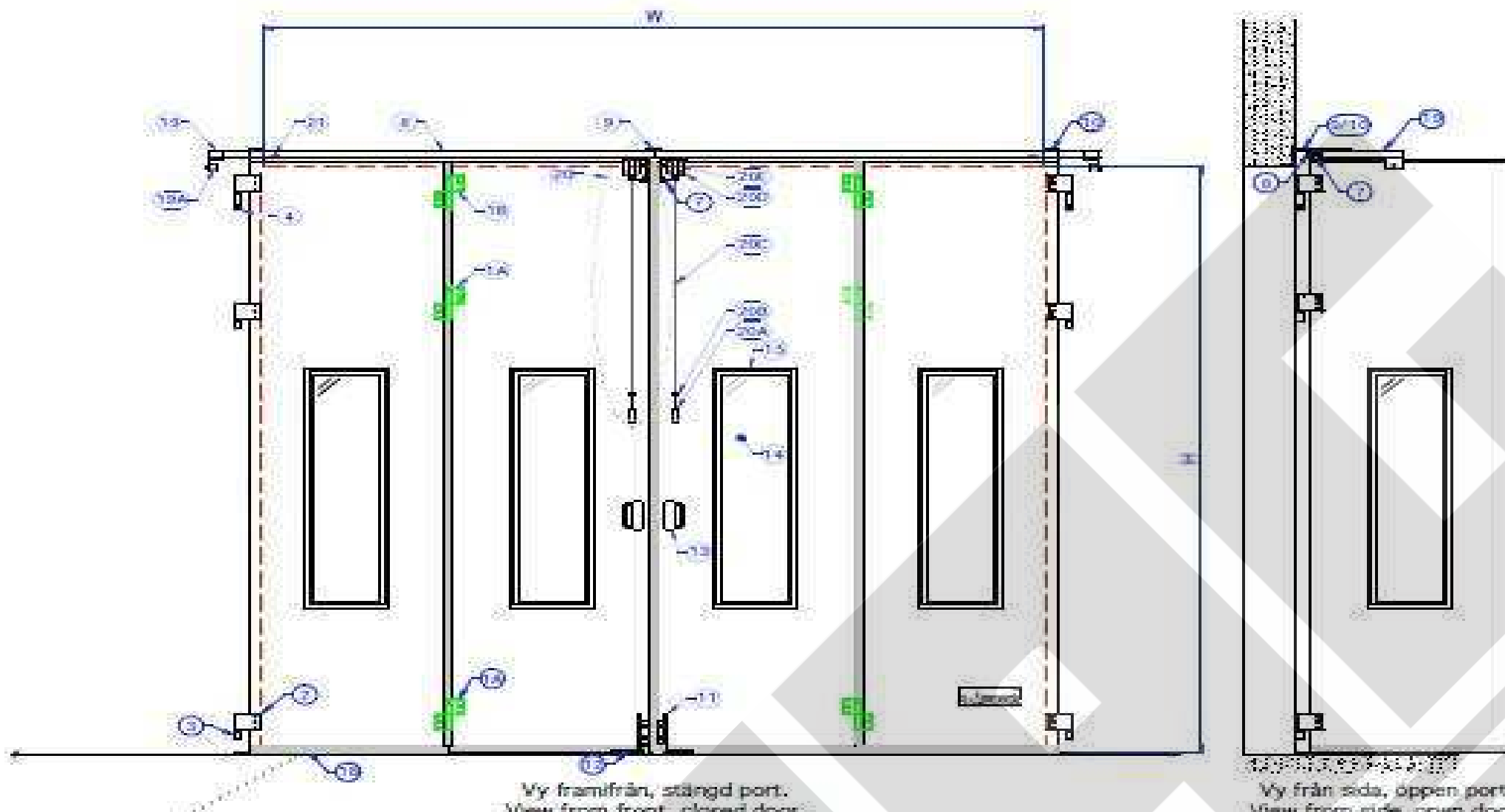
For example a door 5000mm x 5000mm with 4 panels

- Resistance to Wind load, Class (0-5):5
- Air Permeability, Class(0-6):5
- Thermal ability (U-Value) best average of panel:0,23
- Water tightness, Class (0-3) :3
- Thermal ability (U-Value) complete door:0,9

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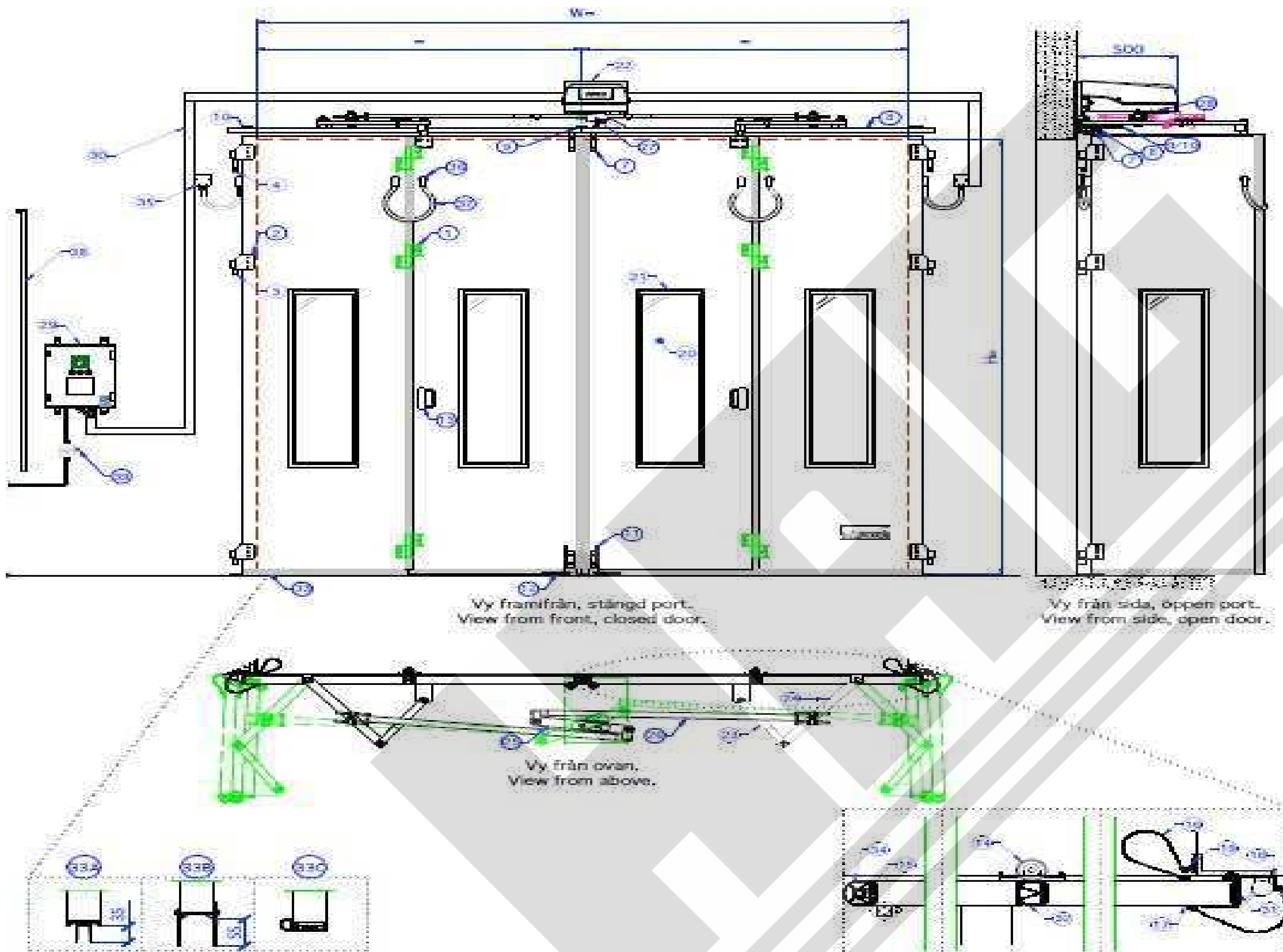
21	Spetsfällingsöversäck till V14	Windcatcher boot	11433
20E	Ändokole V14 med ögla	Wind catcher bracket	15983 (LF1021)
20D	Ändoplatå, V14 H+V	Mounting board, R+L	9917 H+V
20C	Polyesterfärg 65 svart	Roofs, polyester, 65, black	CP1004
20B	Ledspår	Steering for rope	L21002
20A	Plasthandtag	Plastic handle	CP1003
20A-E	V14 komplett, 20A+B+C+D+E	Wind catcher V14, nr 20A+B+C+D+E	16000 H+V
19A	Gummistöpp 630	Rubber strip 630	LU1003
19	Portstopp H+V (inkl 19A)	Door strip H+L (incl 19A)	3180 H+V
18C	Ändspårlåda GK1	Floor seal, GK1	14155
18B	Extra högt skåpvarn - plåttät	Floor seal, extra high	5747-5750
18A	Skåpvarn G1, 35mm	Floor seal G1, 35mm	15642
17	Skåpvarn G1 14165	Intermediate seal 14165	CP1023
16	Ramfällning 14155	Frame seal 14155	CP1024
15	Fönsterram	Window frame	X0000
14	Isolerings 4-12'	Double 4 min insulated glass	CG1008
13	Draghandtag	Door handle	LD1005
12	Styrsko	Guide shoe	15210
11	Styrspår	Guide shoe fitting	15833
10	Styrskåpfläta, a=200	Guide rail holder, a=200	10867
9	Styrskåpfläta, a=100	Guide rail holder, a=100	10866
8	Styrskåp	Guide rail	L-
7	Styrhjul	Steering wheel	6261
6	Fällare, portbeslag, <a href="http://www.hag.se">www.hag.se</a>	Rebaler, door fitting, <a href="http://www.hag.se">www.hag.se</a>	9159-Q2
5	Fällare, rambeslag, <a href="http://www.hag.se">www.hag.se</a>	Rebaler, frame fitting, <a href="http://www.hag.se">www.hag.se</a>	9159-Q1
4	Öndertal kg ink bärg & kron	Str-part upper frame hinge (adjustable)	9182
3	Öndertal kg ink bärg	Bottom part lower frame hinge	9181
2	Ramgångjärn V+H	Frame hinge L+H	15162 V+H
1B	Mellangångjärn, drick, justerbart V+H	Intermediate adjustable hinge L+H	15268 V+H
1A	Mellangångjärn, urdrick styrande V+H	Intermediate steering hinge L+H	15269 V+H
Det. nr	Svenska beteckn	English terms	Artikelnr
Enhet	Storle	Enhet	Storle
m	m	mm	mm
		75	75
		TL	TL
		Stor	Storle
			Storle

**Product:** Q Door  
**Operation:** Manual  
**Locking:** Espagnolette 2 point locking system  
**Fixing:** Face fixed  
**Finish:** Standard Ral colours available

**Disclaimer**  
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39	Arbetsbrytare	Hand operated circuit breaker	XXXXX
38	Draglock för motorfrkoppling	Release bar for motor drive release	8360
37	Slang CYLT 178	Plastic hose, CYLT 178	8K1106
36	Vinkelörskruvning HVDD 90°	Cable gland, angle 90°	XXXXX
35	Kopplingsbox	Junction box	8K1114
34	Sektions tätning för tapetvätsch	Intermediate seal for tapewitch	15082
33C	Årselgätätning GK1	Floor seal, GK1	14355
33B	Extra högt släppgummi + plättar	Floor seal, extra high	5747-5750
33A	Släppgummi GT 35mm	Floor seal GT, 35mm	15647
32	Sektions tätning 14155	Intermediate seal 14155	8F1023
31	Ram tätning 14155	Frame seal 14155	8F1024
30	Kabelkanal	Cable conduit	8K1064
29	Automatkladd EP100-1	Control cabinet	EA1027
28	Medelringare	Carrier	8572
27	Motorfrkoppling	Motor drive release	Part of 8563-50
26	Drivarm	Driving arm	16225
25	Vridarm	Crank arm	8563-50
24	Vridarm med vloggkorsel	Link arm with wall fitting	15628
23	Dragarm med portkorsel	Link arm with door fitting	15627
22	Motoraxel, höger utif	Motor drive shaft	15806-H
21	Röretskarm	Window frame	XXXXX
20	Isolerat glas (4-12)	Double 4 mm insulated glass	CG100X
19	Årselgätskydd	Safety anchoring strip, impact side	15009
18	Ramgätskydd	Frame hinge safety anchoring strip	15010
17	Förankringstripp	Safety rubber seal anchoring strip	10045
16	Gummiskydd b=240	Safety rubber seal w=240	3282
15	Stämkydd, tapetvätsch 1218P	Crush-guard (tapewitch 1218P)	8F1023
14	Fingerkyddsrör	Finger anti-arm "tube"	15600
13	Dragnötag	Door handle	L01005
12	Stycke	Guide shoe	15210
11	Styrtapp	Guide shoe fitting	15653
10	Styckenästa, a=180	Guide rail holder, a=180	10867
9	Styckenästa, a=100	Guide rail holder, a=100	10866
8	Styckenä	Guide rail	L=
7	Styrhjul	Steering wheel	8261
6	Förhållare, portbeslag, www.hag.se	Bracket, door fitting, adjustable	9198-HQ
5	Förhållare, rambeslag, www.hag.se	Bracket, frame fitting, adjustable	9199-HQ
4	Överdel och läml besp & skov	Bltn part upper frame hinge (adjustable)	9182
3	Överdel och läml besp	Bottom part lower frame hinge	9181
2	Ramgångäm V=H	Frame hinge L=H	15583 V=H
1	Mellangångäm V=H	Intermediate hinge L=H	15575 V=H
Dec. no	Swedish term	English term	Article no
Rev:	Rev. no	Rev. no	Rev. no
13	13	13	13
11	11	11	11
10	10	10	10
9	9	9	9
8	8	8	8
7	7	7	7
6	6	6	6
5	5	5	5
4	4	4	4
3	3	3	3
2	2	2	2
1	1	1	1

**Product:** Q Door  
**Operation:** 3 phase electric  
**Operator:** Push button control  
**Fixing:** Face fixed  
**Finish:** Standard Ral colours available

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