



## MCS25

- Reach: 2m to 4m50
- Built-in wear-resistant compression spring:  
> 3.000.000 movements
- Adjustable movement speed
- Master/slave
- Up to 5 year warranty
- Custom-made and delivered ready for installation

### PARTS

#### Barrier box

- Dimension: 350 W x 320 D x 1010 H
- Parts: folded and welded steel plate (2,5mm) with internal reinforcement (up to 10mm), an access door, a removable cover and a base plate (6mm)
- Removable cover runs diagonally upwards to the center
- Pivot points are mounted with bearings and tension ring mounts

#### Barrier arm

- Round aluminium tube (Ø 84mm) with a plug at both ends
- Red reflective strips (330 x 90 mm) are applied to both sides
- Balanced by a wear-resistant compression spring (> 3.000.000 movements)
- 3 types:
  - Type R = right-hand mounted barrier arm
  - Type L = left-hand mounted barrier arm
  - Type C = centrally mounted barrier arm
- Secured by 4 (R, L) or 3 (C) stainless steel bolts which makes the barrier arm easy to replace

### FINISHING

- Surface treatment: blasted and metallized
- Finished off with a thermo-hardened polyester coating

### OPENING

- Type S (fast): 1,5 sec (max. barrier arm length = 3470mm)
- Type N (normal): 4,0 sec (max. barrier arm length = 4500mm)

### SAFETY

Emergency release accessible through the access door at the front of the barrier box. When the door is opened, a circuit breaker prevents the barrier from opening automatically. The barrier can be opened manually using the emergency crank (found on the connecting rod).

#### Emergency crank (optional)

When the emergency crank is used, the current is automatically interrupted by a limit switch that is in contact with the motor gearbox. To use the emergency crank, swivel the cover on the right side of the barrier box.

### MECHANISM

#### Drive

Single bearing intermediate shaft (25mm) is driven by a singlephase gear motor using a crankshaft-connecting rod mechanism to the single bearing output shaft (35mm). This mechanism ensures a fluent movement when opening or closing and is locked in both end positions.

#### Durability

Slip action clutch in the gear unit ensures a safe ratio between the torque exerted and the torque required. By combining the favourable power factor (1,3) and this clutch, the gear unit is maintenance-free.

#### Control system

Built-in FEIG FUZ-2B frequency drive microcontroller is suitable for a wide range of applications (such as 3-push button, switch pulse, start with automatic closing, loop start,...) and is supplied with a magnetic motor safety switch. This control system prevents slipping in the slip-action clutch, which makes it maintenance-free. Microcontroller can be connected to and managed by other home management or domotic systems with additional communication software.

#### Operating temperature

The MCS25 has an operating temperature of -5°C to 50°C. With the optional heating mat, the operating temperature increases to -30°C to 50°C.

# TECHNICAL INFORMATION



<b>1 Door switch</b>	
<b>2 Upper shaft</b>	
<b>3 Control + motor capacitor</b>	FEIG-WU-A-BOR
Power supply	1F 230 VAC
Frequency	50 Hz
Power usage	30 Watt
<b>4 Connecting rod</b>	
<b>5 Balance spring</b>	
<b>6 Terminal strip</b>	
<b>7 Motor gearbox with internal slip clutch</b>	
Power supply	230 VAC
Frequency	50 Hz
Power usage	370 Watt
Cosinus Phi	0.94
<b>8 Limit switches</b>	

Position of the barrier arm



Left

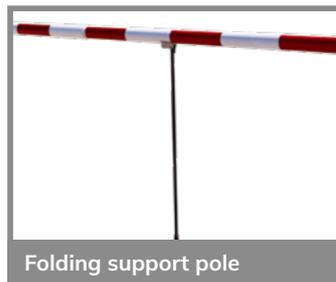
Right

Central

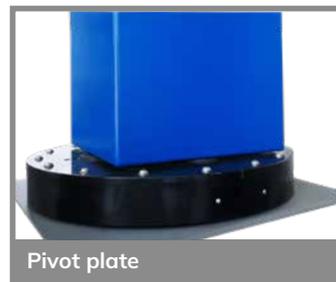
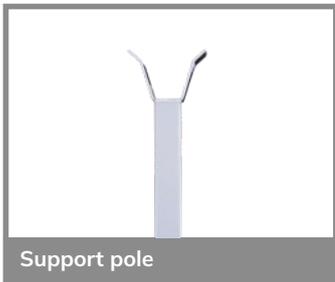
<b>Dimensions barrier box</b>	350 x 320 x 1010mm (WxDxH)
<b>Parts barrier box</b>	Folded and welded steel plate (2,5mm) with internal reinforcement (up to 10mm), an access door, a removeable cover and a base plate (6mm)
<b>Ø boom barrier arm</b>	84mm
<b>Opening speed</b>	*without options
Type F	1,5 sec (max. barrier arm length = 3470mm)
Type N	4 sec (max. barrier arm length = 4500mm)
<b>Control</b>	Relay control
<b>Operating temperature</b>	-5°C to 50°C
<b>Options</b>	
Frequency control	
Articulated barrier arm	To 4500mm
Folding barrier arm	To 4500mm (dependent on height of the socle/ceiling)
Emergency crank	
Potential-free contact of the limit switches in the clamping strip	
Maritime coating	
Stainless steel	
Support pole	

# ACCESSORIES

## Barrier arm



## General

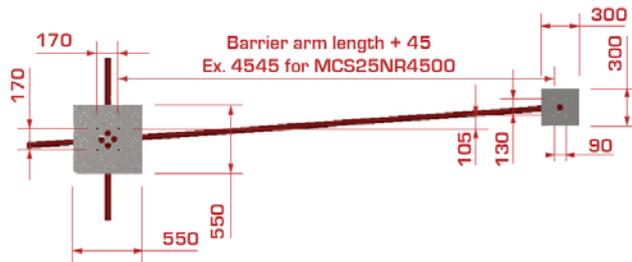
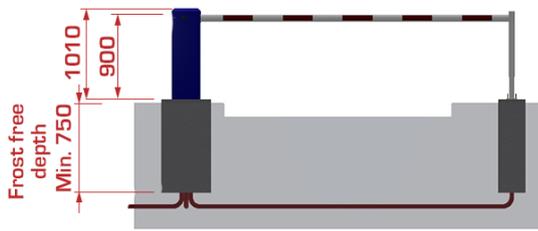




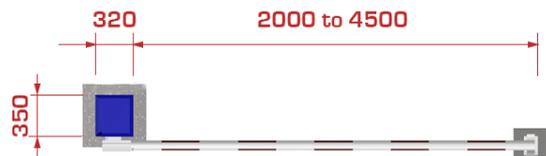
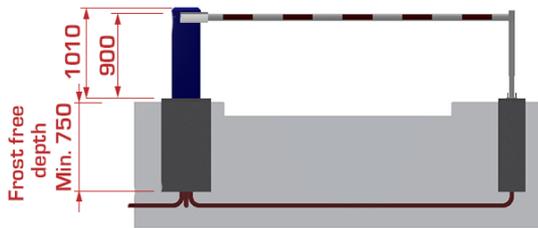
# MCS25

## TECHNICAL DRAWINGS

### MCS25 - right-hand mounted barrier arm

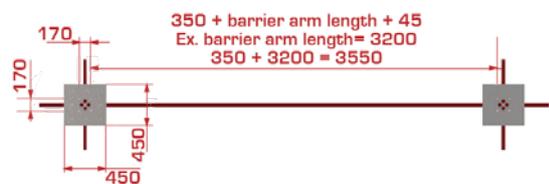
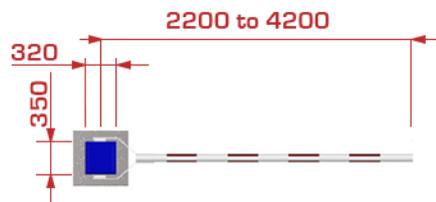
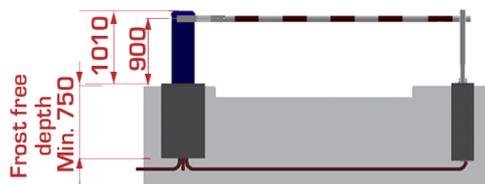


### MCS25 - left-hand mounted barrier arm

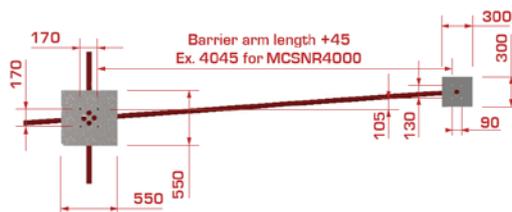
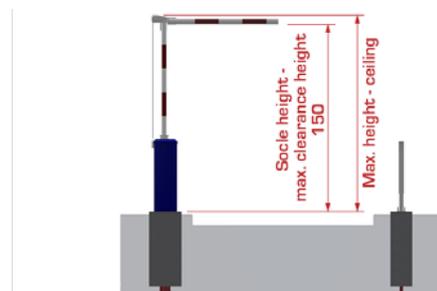
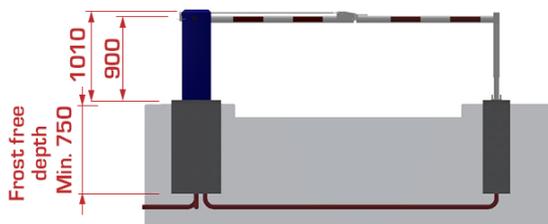


# TECHNICAL DRAWINGS

## MCS25 - central mounted arm

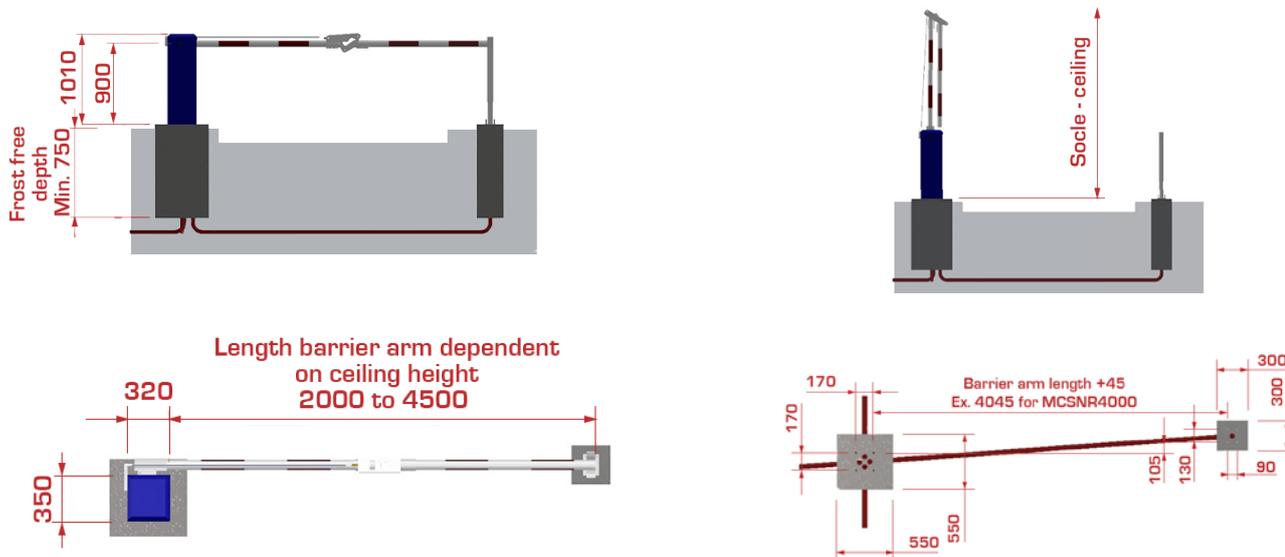


## MCS25 - articulated arm

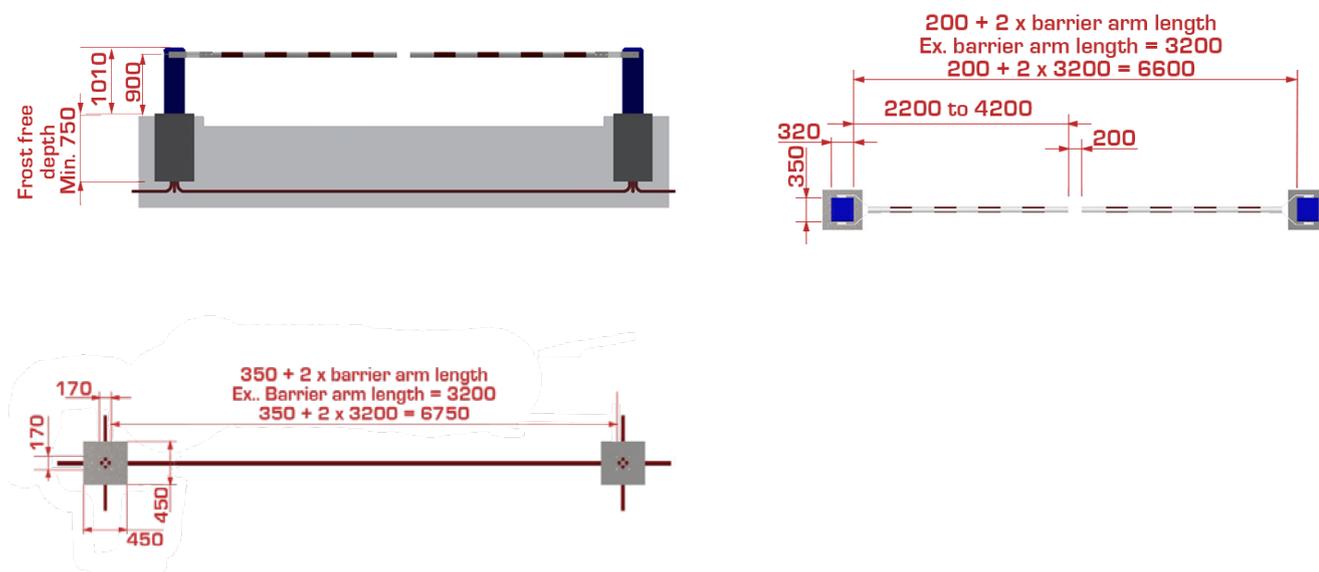


# TECHNICAL DRAWINGS

## MCS25 - folding arm



## MCS25 - Master/slave



## MCS25 - Springs

	1970	2200	2470	2970	3200	3470	3500	4000	4200	4500
MCS25 right/left	VEER 16x32 MCS25/51 type 1		VEER 16x32 MCS25/51 type 1	VEER 19x38 MCS25/51 type 2	VEER 19x38 MCS25/51 type 2	VEER 19x38 MCS25/51 type 2	VEER 25x51 MCS25/51 type 3	VEER 25x51 MCS25/51 type 3		VEER 38x63 MCS25/51 type 4
MCS25 central		VEER 16x32 MCS25/51 type 1					VEER 25x51 MCS25/51 type 3		VEER 38x63 MCS25/51 type 4	



**/ YOUR SAFE PARTNER  
IN ACCESS**

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