

MCS58 barrier

Length

2m to 10,20m

Opening speed

1,5 to 8,5 sec



Parts

Column

Dimensions: 450 W x 440 D x 1100 H

Parts: folded steel plate, an access door, a removable cover and a base plate

Reinforcements are welded to the inside of the column

Removable cover runs diagonally upwards to the centre

Pivot points are mounted with bearings and tension ring mounts

Barrier arm

Round aluminium tube (90mm) 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 cycles)

Secured by four stainless steel bolts which makes it easy to replace

3 types:

- Type R = right-hand mounted barrier arm
- Type L = left-hand mounted barrier arm
- Type C = centrally mounted barrier arm

Surface treatment: blasted and metallized

Finished off with a thermo-hardened polyester coating

Security

Emergency release accessible via access door in front of column (locked).

When the door is opened, the safety interrupter prevents that the barrier opens automatically. Access is protected by a circuit breaker.

Emergency crank

Barrier can be opened manually by using a crank on the right-hand side of the column. When the crank is installed, the motor power will shut off.

Mechanism

Drive

Double bearing intermediate shaft (45mm) is driven by a single-phase gear motor using chain transmission. This shaft transmits the movements using a crankshaft-connecting rod mechanism to the double bearing output shaft (45mm). 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 (1,2) and this clutch, the gear unit is **maintenance-free**. The combination of these benefits makes the barrier more silent than it's predecessor.

Control system

Built-in **microcontroller** is suitable for a wide range of applications (such as 3-push button, switch pulse, start with automatic closing, loop start,...). The electronic engine torque control ensures the smooth motion and ensures lifetime benefits.

Microcontroller can be connected to and managed by other home management or domotic systems with additional communication software.

Options

Skirt (up to 7m)

Folding gate

Support pole

Master/slave config.

Frequency control

External crank

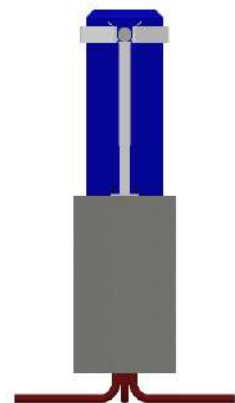
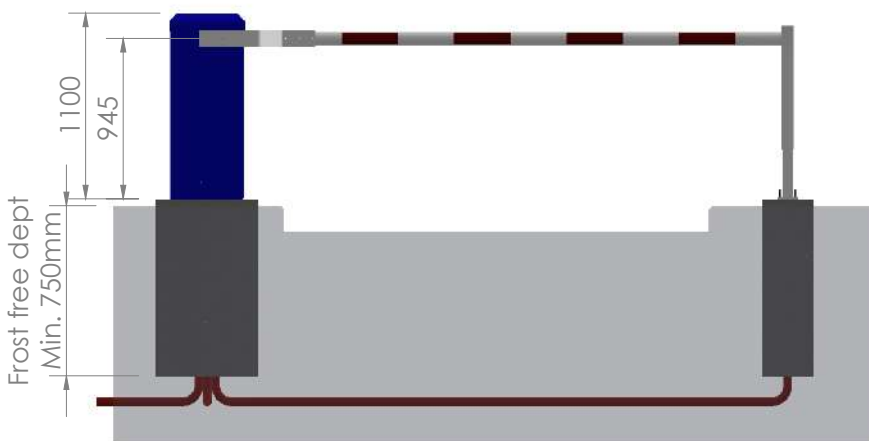
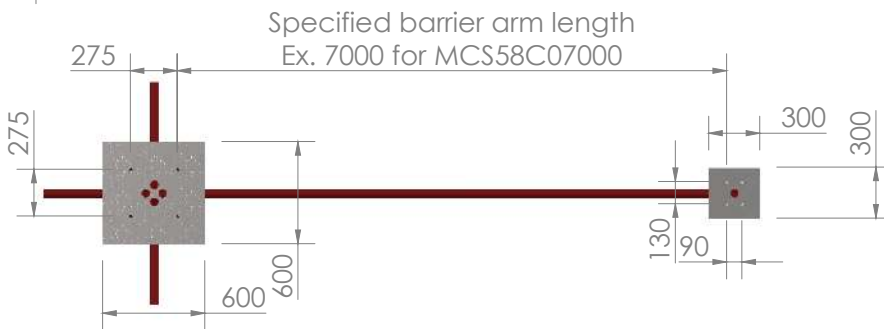
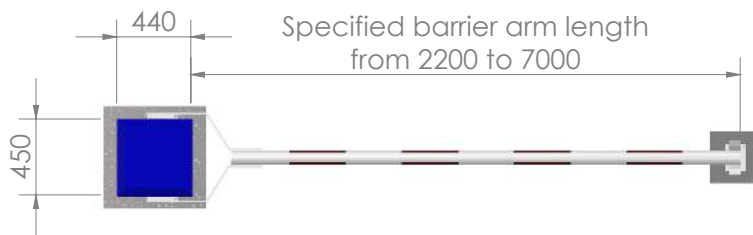
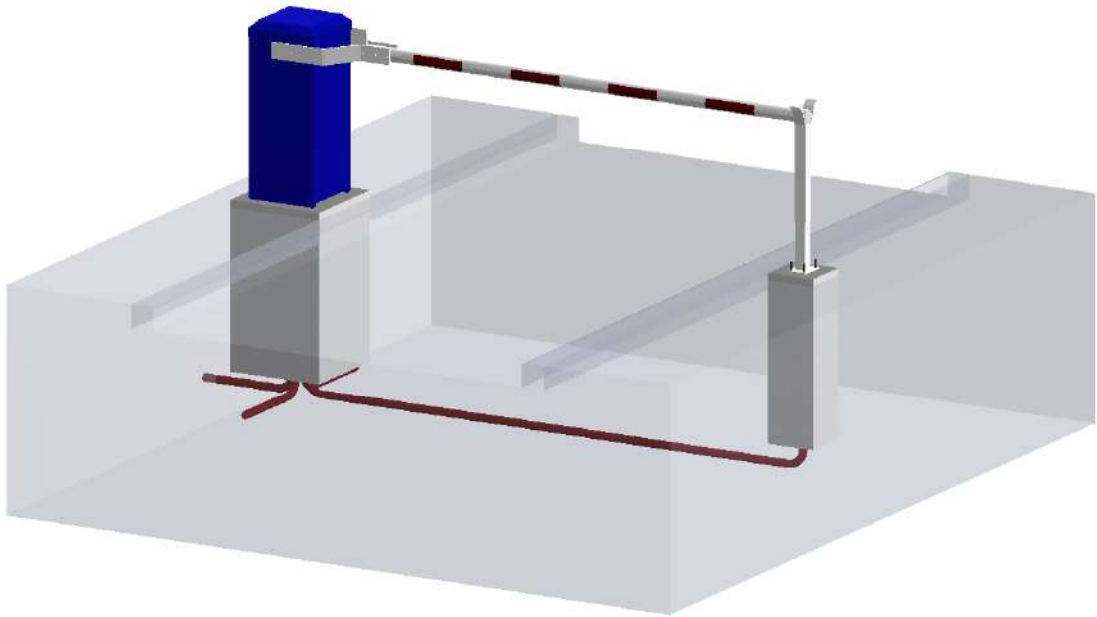
Potential free contact from limit switches in terminal block

Opening

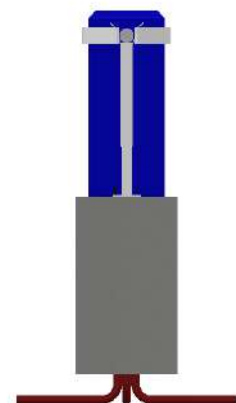
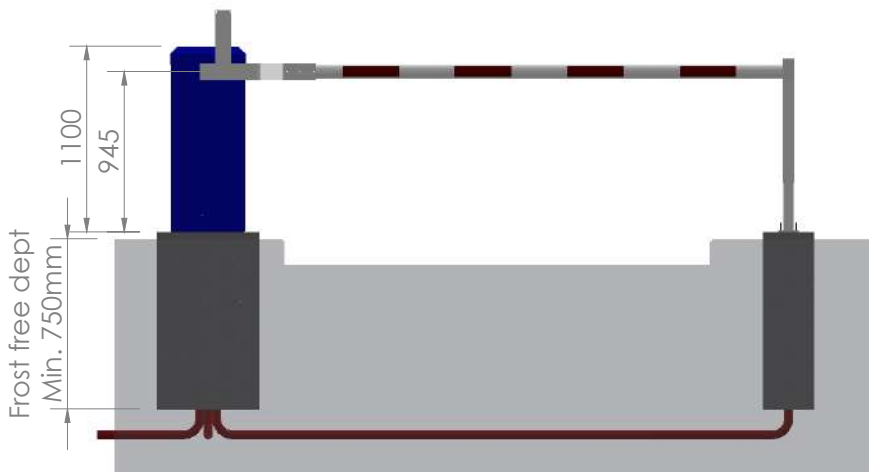
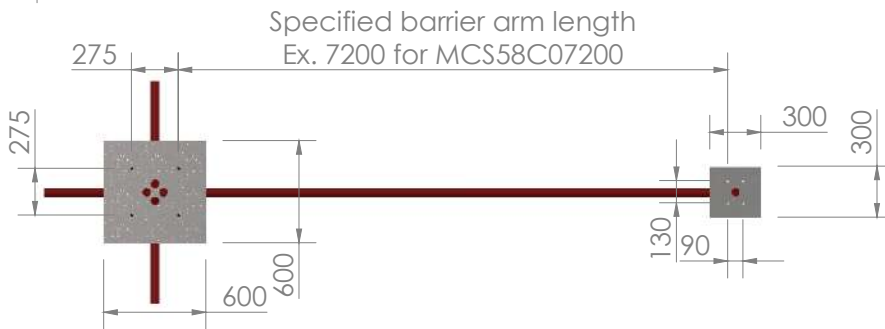
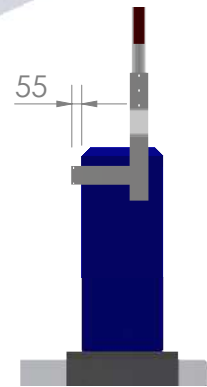
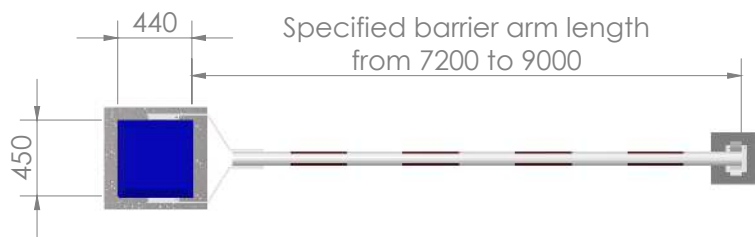
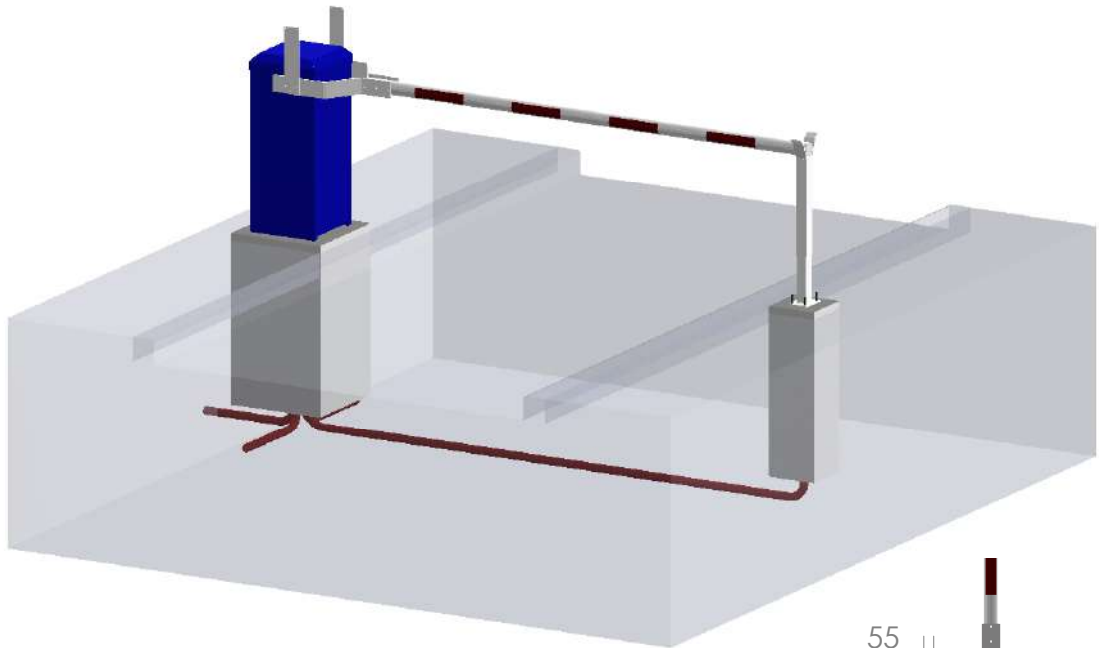
Specified barrier arm length up to:	2m	3m	4m	5m	6m	7m	8m	9m	10m
4,2 sec	CO2200	CO3200	CO4200						
6,9 sec				CO5200	CO6200				
8,2 sec	SKIRT2050 FOLD2050	SKIRT3050 FOLD3050	SKIRT4050 FOLD4050	SKIRT5050 FOLD6050	SKIRT6050 FOLD6050	CO7200 SKIRT7050	CO8200		
10,3 sec								CO9200	CO10200



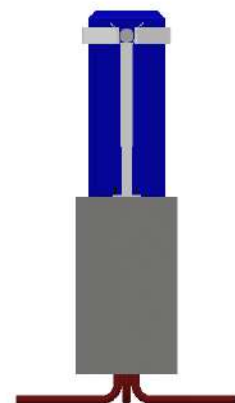
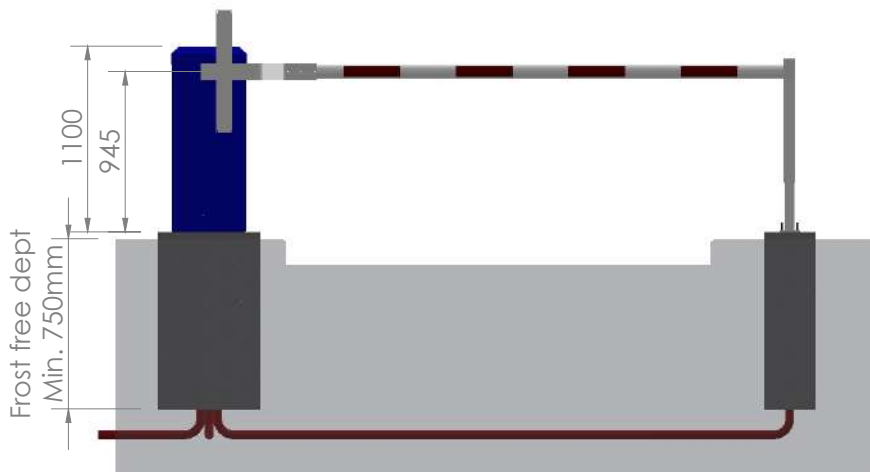
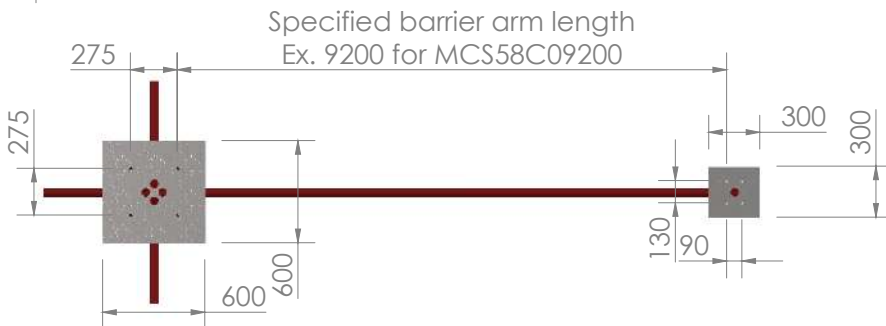
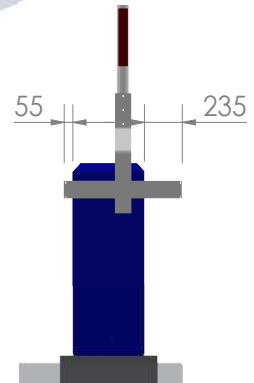
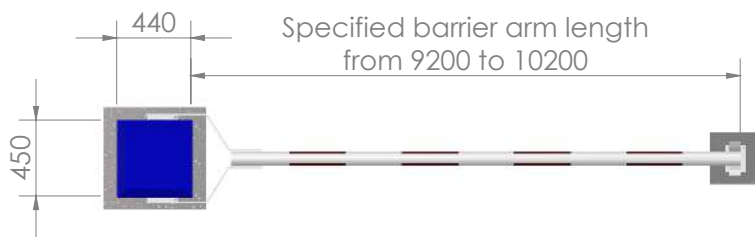
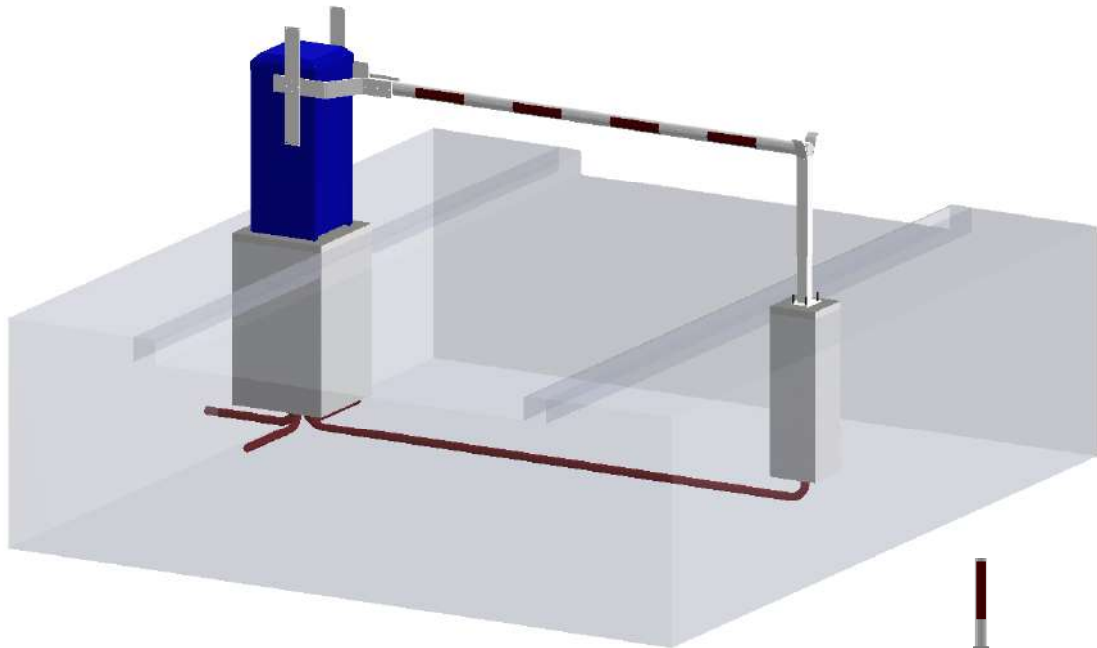
Dimensions MCS58 central (up to 7m)



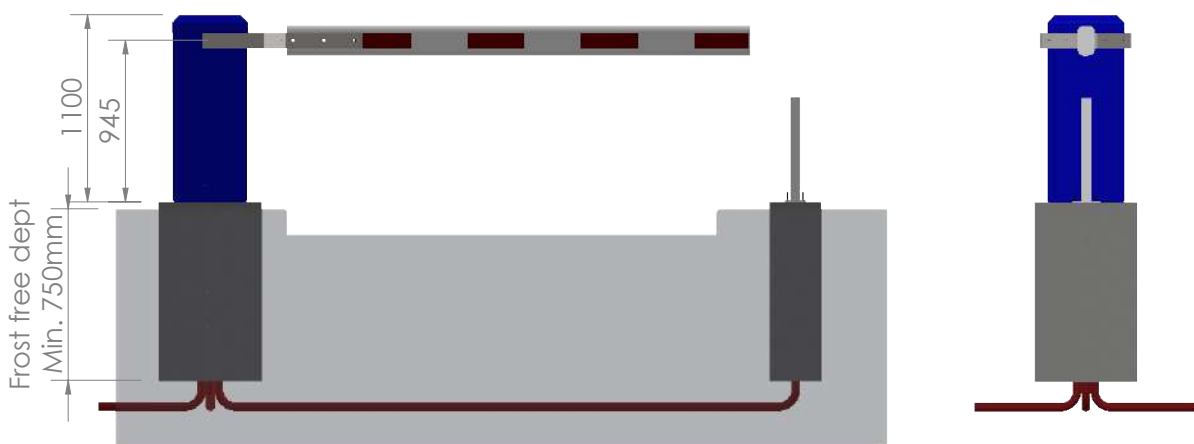
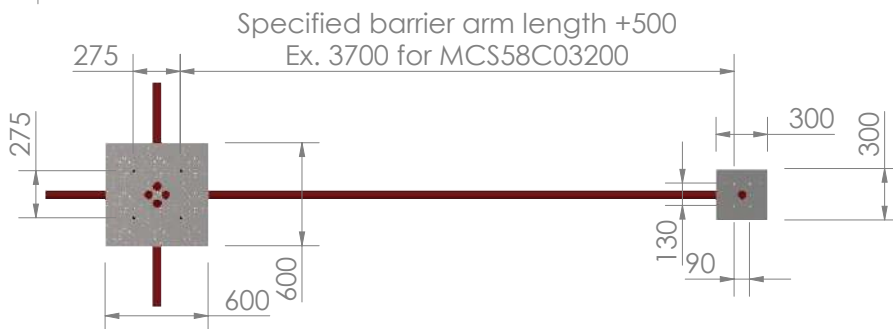
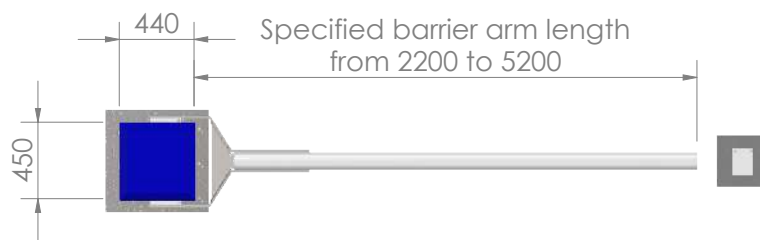
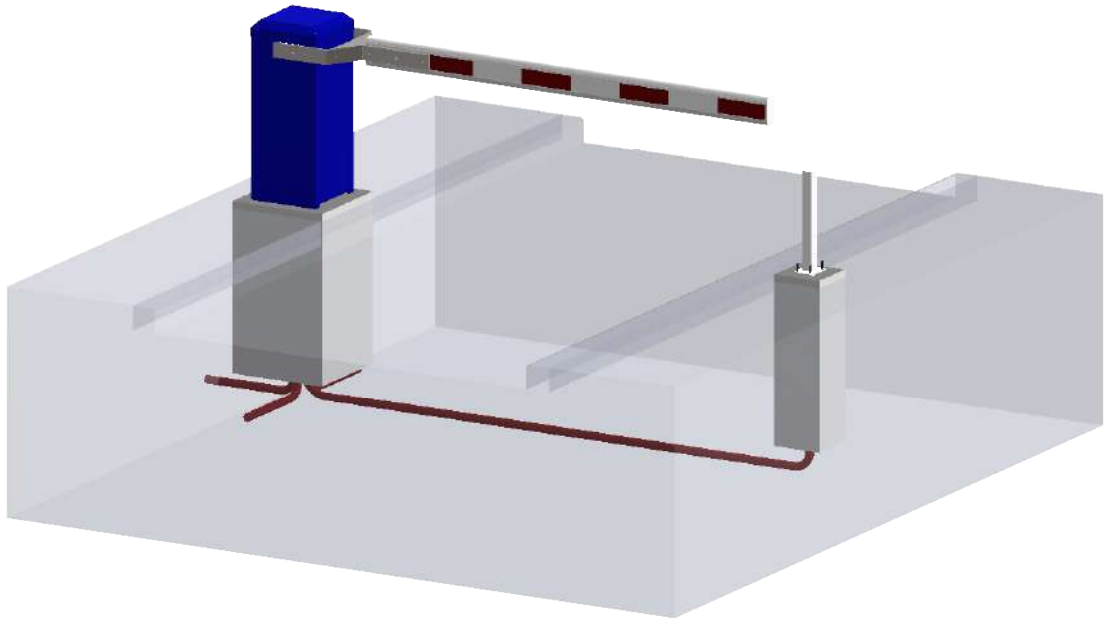
Dimensions MCS58 central (up to 9m)



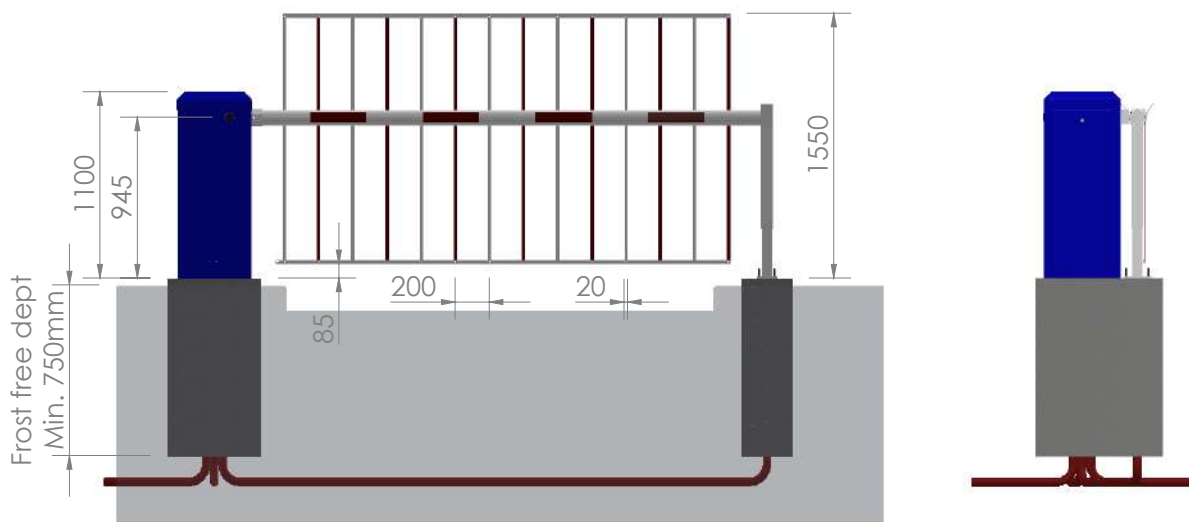
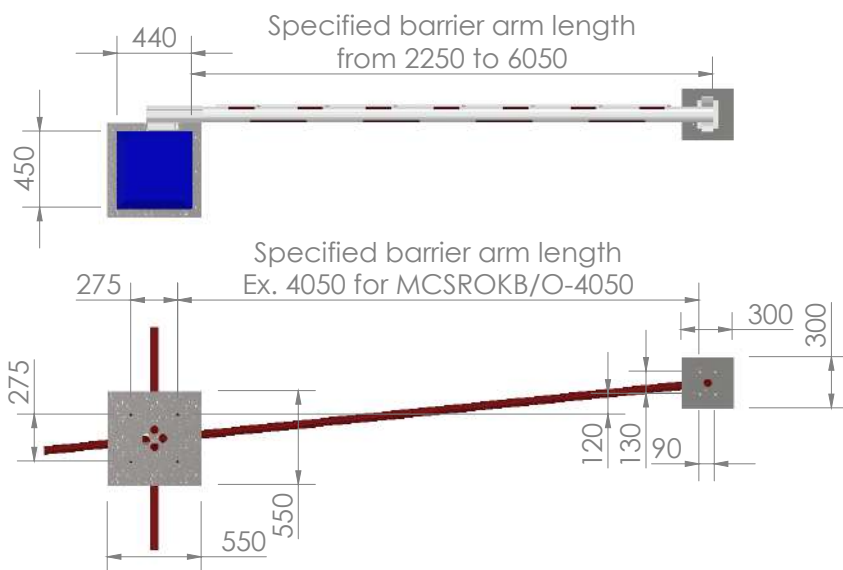
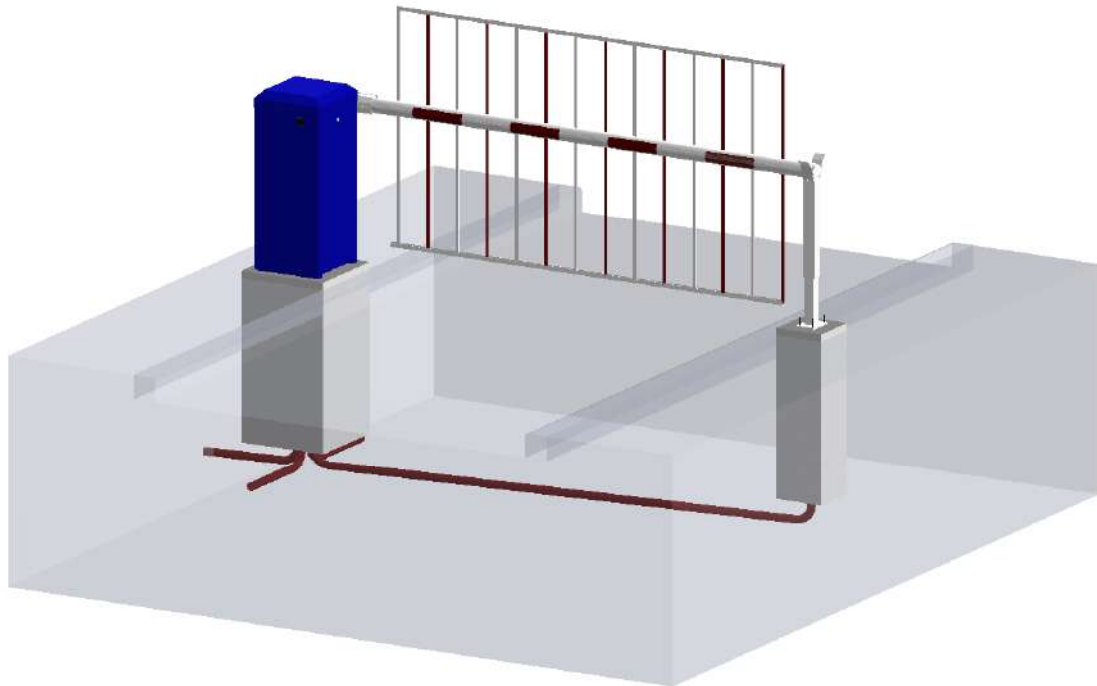
Dimensions MCS58 central (up to 10,20m)



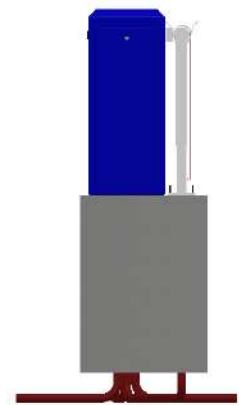
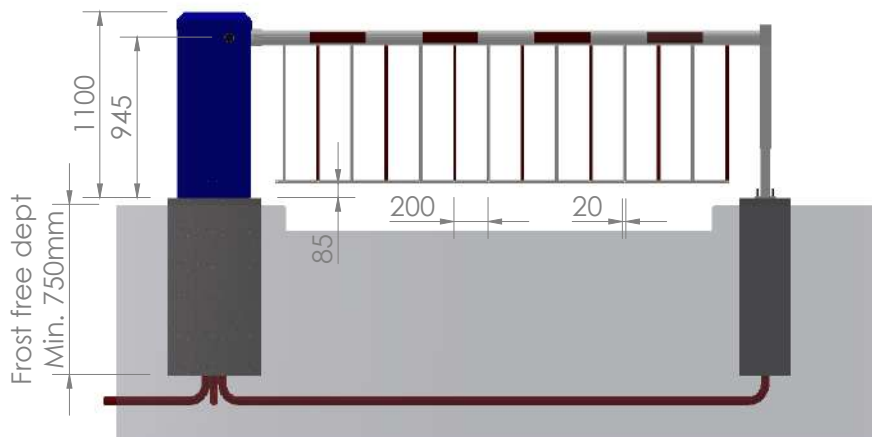
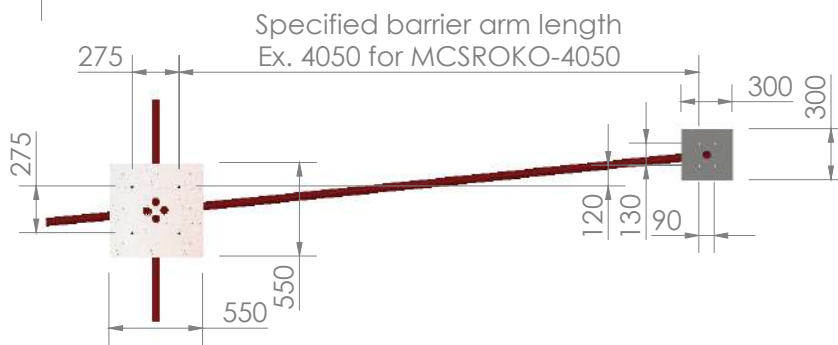
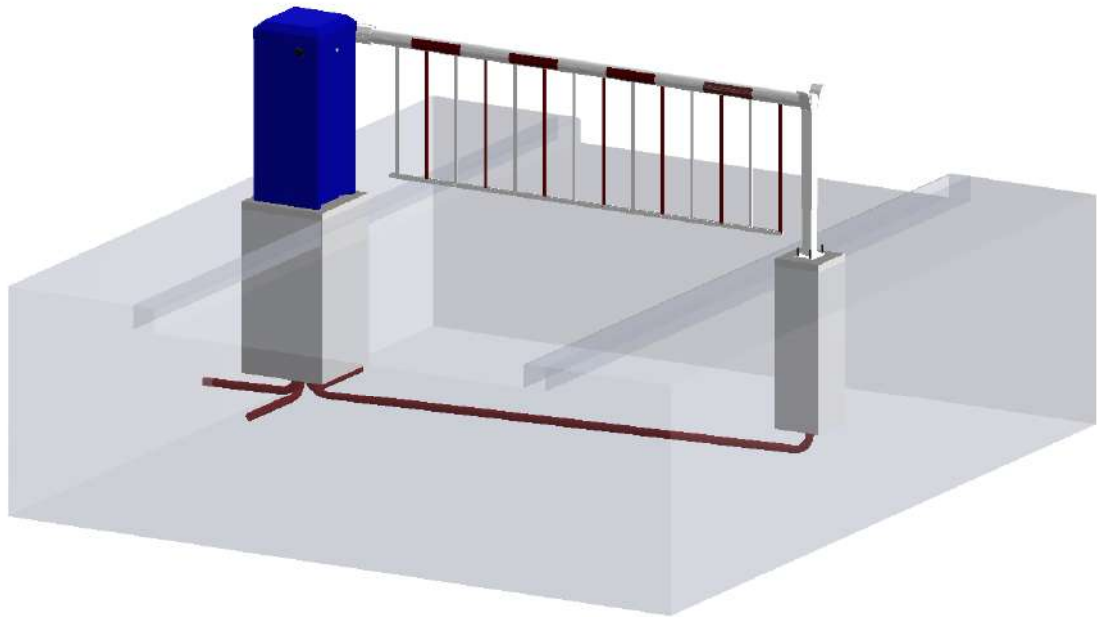
Dimensions MCS58 central oval (up to 5,20m)



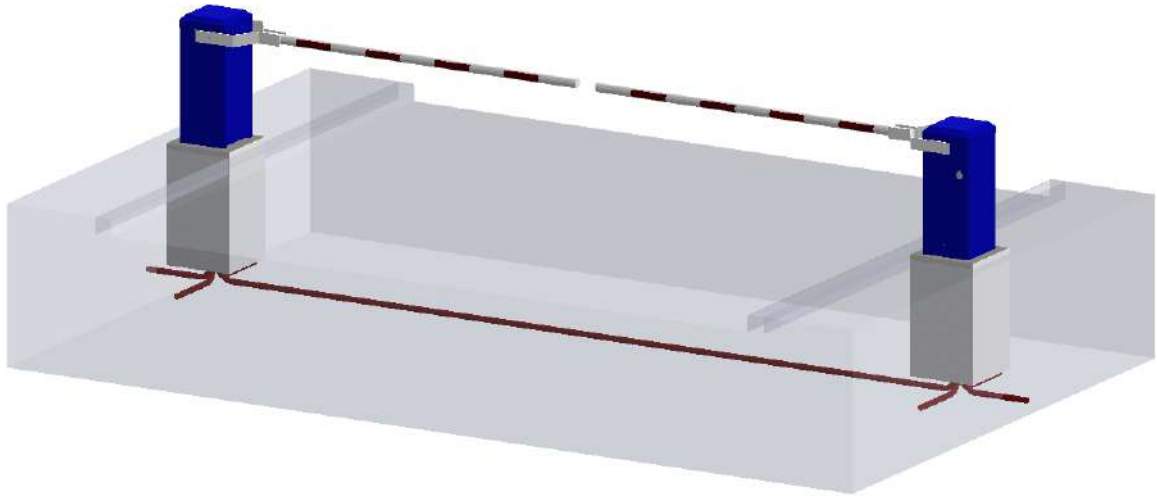
Dimensions MCS58 folding gate right (up to 6m)



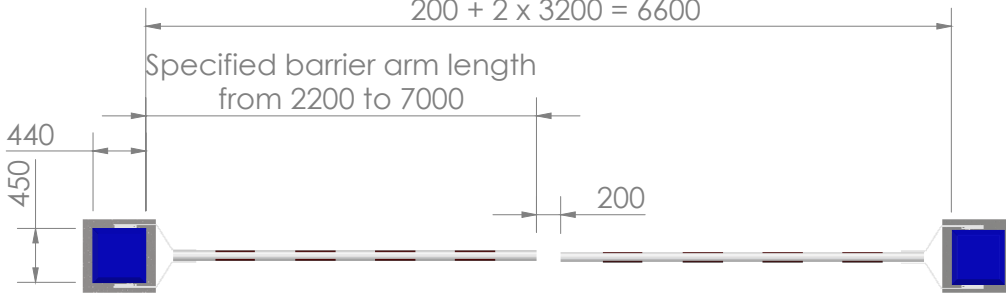
Dimensions MCS58 skirt right (up to 7m)



Dimensions MCS58 Master/Slave



200 + 2 x Specified barrier arm length
 Ex. Specified barrier arm length = 3200
 $200 + 2 \times 3200 = 6600$



360 + 2 x Specified barrier arm length
 Ex. Specified barrier arm length = 3200
 $360 + 2 \times 3200 = 6760$

