

No: PC04 – Pollington Box Culverts (stock products)

UK CA

DoP Ref: PD04

Marshalls Civils and Drainage, Pollington, Goole, East Riding of Yorkshire, DN14 0DU

EN14844:2006

Reinforced precast concrete box culverts: for conveyance/storage.

Mechanical strength: Designed to meet LM1-3 loading in accordance with BS EN 1991-2. Where H_c max=2.0m, H_c min =0.4m.

Concrete:

Compressive strength

$$f_{ck} = 40 \text{ N/mm}^2$$

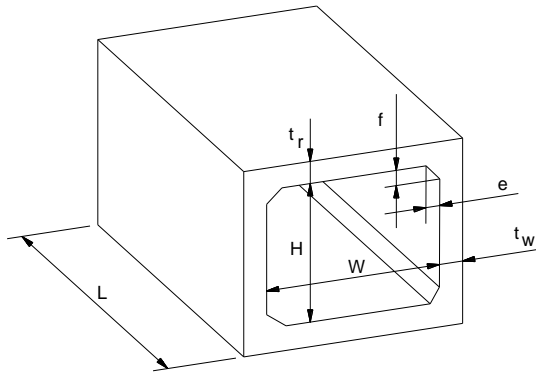
Reinforcing steel:

Ultimate tensile strength

$$f_{tk} = 575 \text{ N/mm}^2$$

Tensile yield strength

$$f_{yk} = 500 \text{ N/mm}^2$$



Measurements: see table below;-

TYPE	DIMENSIONS						
	Width W (m)	Height H (m)	Length L (m)	Walls tw (mm)	Slabs tr (mm)	Splay	
						e (mm)	f (mm)
MC 10.05	1.000	0.500	2.000	150	150	150	50
MC 12.07	1.250	0.750	2.000	150	150	225	75
MC 15.10	1.500	1.000	2.000	150	150	300	100
MC 17.07	1.750	0.750	2.000	175	175	300	100
MC 20.10	2.000	1.000	2.000	150	175	300	100
MC 25.15	2.500	1.500	1.500	200	225	300	100

Durability: Adequate for normal serviceability conditions.