



**METALUSA**



# ENGINEERING STRUCTURES

BRACE FRAME

**SHORFLEX<sup>CF</sup>**

CLIMBING FORMWORK

**SHORFLEX<sup>TP</sup>**

TUNNEL FORMWORKING

**SHORFLEX<sup>TN</sup>**

FAÇADE STABILISERS

**SHORFLEX<sup>FS</sup>**

SUPER SHORING

**SHORFLEX<sup>HT</sup>**

# Super Shoring

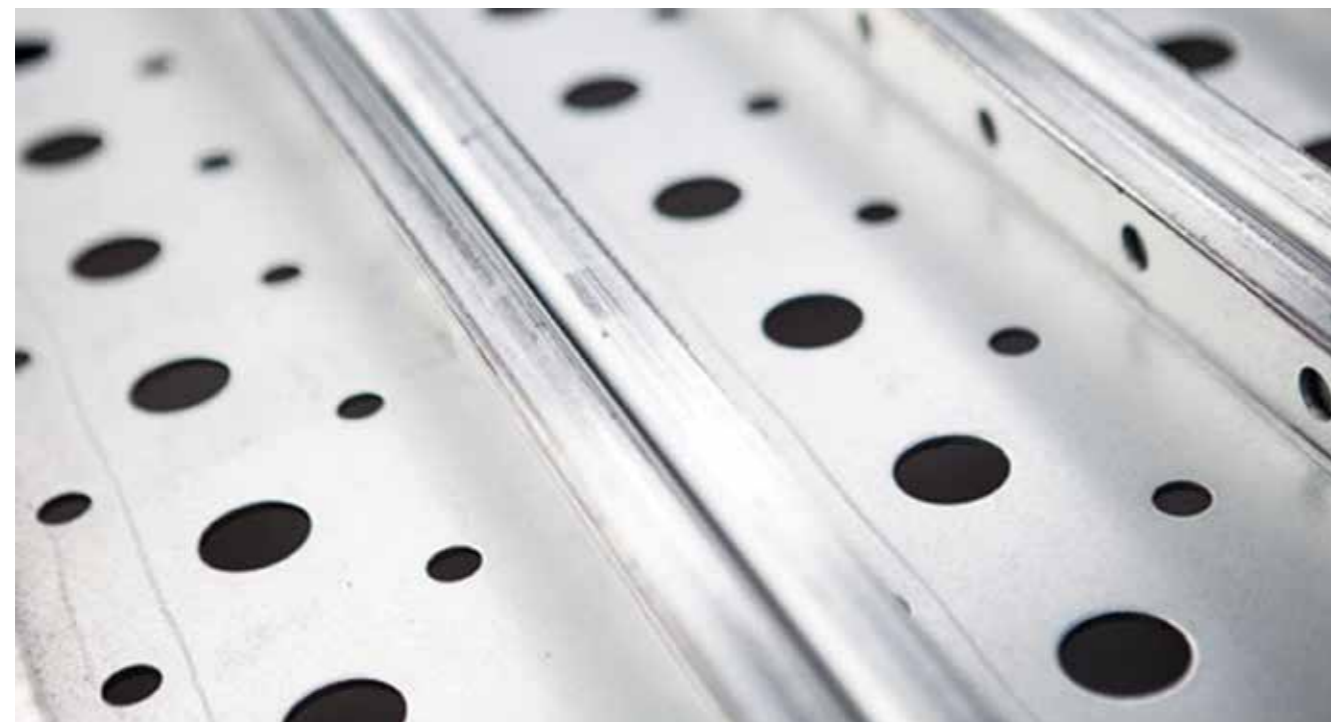
The main components of the Shorflex® HT shoring system are Perflex® profiles.

All system components are made using highly automated, robotised processes. As a result of extremely standardised manufacturing activity and with strict quality control, Metalusa produces innovative products to a great degree of perfection, thereby ensuring that the latter are endowed with great performance and high productivity at the works' site.

Connections between the various components are made by means of pins to increase the speed of assembly and dismantling.



**THE THOROUGHNESS OF THE PRODUCTION PROCESS AND THE CORROSION PROOFING, ACHIEVED BY MEANS OF HOT-DIP GALVANISATION, MAKE THE SHORING SYSTEM A HIGHLY PROFITABLE SYSTEM FOR WORKS AT THE SITE.**



# High Load Capacity

The Shorflex® HT shoring system is the appropriate system for carrying out works at great heights with the need for the application of major loads, managing to achieve high performance levels.

They allow the assembly of shoring with greater spacing between the spans.

The main components of the lattice structure are Perflex profiles which will form the vertical alignments.

The use of diagonals increases the load capacity and ensures great stability of the shoring structure.

The base levellers of the vertical alignments are adjustable to ensure the stability of the shoring structure.

The adjustable forks are applied at the upper end of the vertical alignments and they may be combined with other components to adjust the formwork surface to the requirements of the works.

The structure may be separated into smaller sections so they can be moved more easily with the aid of a crane.



The fine adjustment of the vertical alignments of the shoring structure is carried out by means of highly-resistant levellers with a load capacity of 250 kN per vertical alignment.

Shorflex® HT Elements



Shorflex® HT are conferred by the work-related characteristics at a height and the resistance to major loads:

- ▶ Small number of supports on the ground;
- ▶ Formation of structures with larger free spans;
- ▶ Rapid, secure assembly and dismantling;
- ▶ Movement of large sections without dismantling;
- ▶ System formed by modular elements which are easily adaptable to different heights;
- ▶ Possibility of setting up the structure on netting or independent structures with variable spans.



CODE	VERTICAL PROFILES	Weight (Kg)
P0602021050G	Galv. profile PERFLEX "2C-ST" 1050mm	14,15
P0602021575G	Galv. profile PERFLEX "2C-ST" 1575mm	21,23
P0602021950G	Galv. profile PERFLEX "2C-ST" 1950mm	26,47
P0602022100G	Galv. profile PERFLEX "2C-ST" 2100mm	28,31
P0602022700G	Galv. profile PERFLEX "2C-ST" 2700mm	36,31
P0602023000G	Galv. profile PERFLEX "2C-ST" 3000mm	40,62
P0602024050G	Galv. profile PERFLEX "2C-ST" 4050mm	54,14
P0602024200G	Galv. profile PERFLEX "2C-ST" 4200mm	56,62
P0602025100G	Galv. profile PERFLEX "2C-ST" 5100mm	68,30
P0602025250G	Galv. profile PERFLEX "2C-ST" 5250mm	70,77

CODE	SHORFLEX® HORIZONTAL BARS	Weight (Kg)
P0701011058G	Shorflex® horizontal bar 1,0m	2,49
P0701011442G	Shorflex® horizontal bar 1,5m	3,74
P0701011942G	Shorflex® horizontal bar 2,0m	5,36
P0701012500G	Shorflex® horizontal bar 2,5m	7,18
P0701013000G	Shorflex® horizontal bar 3,0m	8,80

CODE	VERTICAL DIAGONALS 1,5m	Weight (Kg)
P0701041600	Vertical Diagonal Ø48x3,2 - 1,0x1,5m	6,26
P0701041834	Vertical Diagonal Ø48x3,2 - 1,5x1,5m	6,92
P0701042204	Vertical Diagonal Ø48x3,2 - 2,0x1,5m	7,97
P0701042667	Vertical Diagonal Ø48x3,2 - 2,5x1,5m	9,31
P0701043108	Vertical Diagonal Ø48x3,2 - 3,0x1,5m	10,62
CODE	VERTICAL DIAGONALS 2,0m	Weight (Kg)
P0701052130	Vertical Diagonal Ø48x3,2 - 1,0x2,0m	4,87
P0701052312	Vertical Diagonal Ø48x3,2 - 1,5x2,0m	5,67
P0701052615	Vertical Diagonal Ø48x3,2 - 2,0x2,0m	6,88
P0701053015	Vertical Diagonal Ø48x3,2 - 2,5x2,0m	8,38
P0701053412	Vertical Diagonal Ø48x3,2 - 3,0x2,0m	9,81



**Metalusa S.A.**  
**Phone** +351 234 529 230  
**Fax** +351 234 529 239  
metalusa@metalusa.pt

**[www.metalusa.pt](http://www.metalusa.pt)**



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