



Connectors FSC90 Center, FSC Leg



Application

90° flat sheet connection
for PS and YSP straight web piles only

Properties

Steel grade:	S355J2	
Length FSC90 Center:	10 m	32.8 ft
Length FSC Leg:	up to 18 m	up to 59 ft
Steel thickness FSC90 Center:	16 mm	0.63"
Steel thickness FSC Leg:	12.7 mm	0.5"
Weight FSC90 Center:	29.2 kg/m	19.62 lbs/ft
Weight FSC Leg:	19.5 kg/m	13.1 lbs/ft
Max. tensile strength FSC90 Center:	6,129 kN/m (FEM)	35 kips/in (FEM)
FEM: The value applies when all sockets are stressed at the same time.		

In the development of these connection systems, the main focus was on maximum safety and the longest possible lengths of the whole clutch bar connection. Therefore the division in FSC-Center and the FSC-Leg clutch bars, because the weight decides the length. The lighter the weight per meter, the longer the clutch bar. We can manufacture the FSC60-Center clutch in a length of 31.2 ft, the FSC90-Center in 32.8 ft, the FSC120-Center in 36.8 ft and the FSC-Leg clutch even up to 59 ft.

To achieve the maximum tensile strength, the FSC-Leg connector bar must be fully welded to the FSC-Center connector bar on both sides in tension as shown on the data sheets.

The FSC-Center and the FSC-Leg connectors can be purchased individually or completely assembled and welded ready for installation.

SteelWall connectors generally comply with the European standards and are manufactured by certified steel processing companies. All figures are approximate and may vary. Bar twists are possible up to 0.025" per foot (2 mm per meter). Tolerance of steel thickness $\pm 0.04"$ (± 1 mm). Length tolerance up to $\pm 7.9"$ (± 200 mm). Degree details refer to the connector bar axes. We reserve the right to make technical changes. We refer to DIN EN 12063. Please check the sheet pile interlocks with a physical sample section of the desired connector for compatibility.

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