

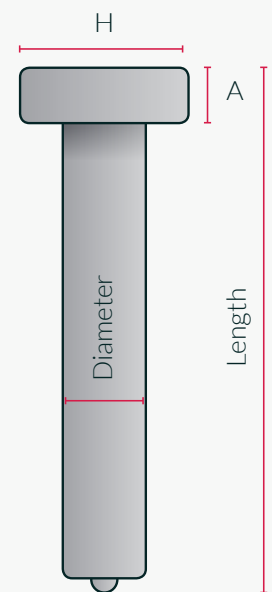
# CSC Composite Shear Connectors

Providing concrete shear restraint for composite steel designs, CMF's CSC shear studs are the ideal solution for composite structures and the perfect accompaniment to the MetFloor decking range.

Our CSC shear connectors enable the fabrication and installation of compositely designed steel and concrete and can be used for both direct to steel and through deck studwelding. All CSC Composite Shear Connectors are type SD1-A and are produced to BS EN ISO 13918 and ISO/TR 15608 standards.

Diameter	Length after weld (LAW)	H	A	Part-Number	Ceramic Ferrules <sup>2</sup>
16		32	8	CSC-16	UF16 straight to steel
19	Available in a variety of lengths; stated as length after weld (LAW) <sup>1</sup>	32	10	CSC-19	DS19 through deck UF19 straight to steel
22		35	10	CSC-22	DS22 through deck UF22 straight to steel
25		41	11	CSC-25	UF25 straight to steel

- LAW for through deck studwelding is typically 5mm shorter than straight to steel
- Ferrules for vertical applications straight to steel are also available



- BS EN ISO 13918
- ISO/TR 15608
- Suitable for through-deck studwelding
- Suitable for straight to steel studwelding

## PERFORMANCE DATA

<b>Identification</b>	CSC – Composite Shear Connectors
<b>Type</b>	SD1 – Shear Connector
<b>Intended Use</b>	Providing shear connections to composite floor decks and composite beam designs, suitable for multi-rise buildings and car park structures

PERFORMANCE CHARACTERISTICS	PERFORMANCE
Tolerances on dimension and shape	BS EN ISO 13918:2018 (Table 10)
Weldability	BS EN ISO 13918:2018 (Clause 5.3.4)
Mechanical characteristics	BS EN ISO 13918:2018 (Table 2)
Reaction to fire	Class A1 (steel only)
Release of cadmium and its compounds	N/A
Emission of radioactivity	N/A

Made in the UK 



For further information please contact CMF:

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