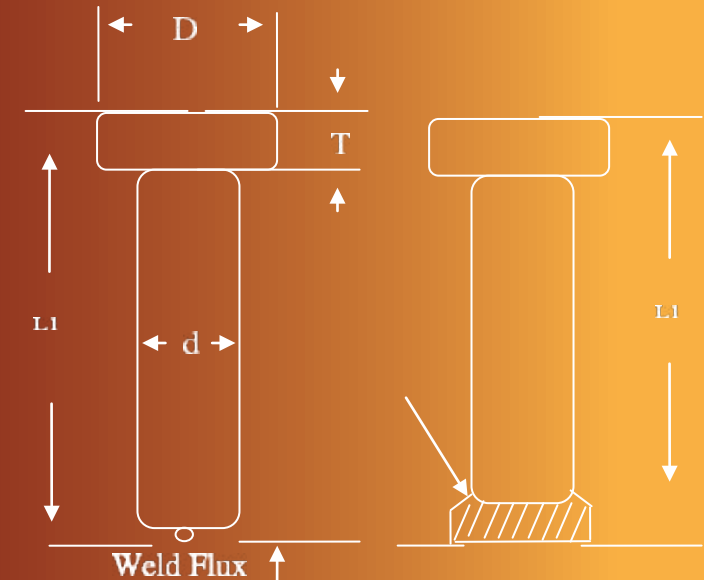




SHEAR CONNECTORS Dimensions

Stud Diameter	d	13		16		19	
		Max	Min	Max	Min	Max	Min
Stud length (Before)		12.95	12.70	15.95	15.70	19.00	18.62
Stud Length (after)	[L1]	L1±1.6					
	[L]	3~5mm Shorter Than L1					
Head Diameter	[D]	25.4 ± 0.4		31.7 ± 0.4		31.7± 0.4	
Head Height	[T]	8 ⁺¹ ₀		8 ⁺¹ ₀		9.5 ⁺¹ ₀	
Ferrule Inner Diameter	[FA]	Vertical	1400	1700	2050		
		Weld-Thru	-	1700	2050		
Ferrule Outer Diameter	[FD]	Vertical	2100	3000	3200		
		Weld-Thru	-	3000	3200		
Ferrule Height	[FH]	Vertical	1000	1450	1650		
		Weld-Thru	-	1800	1650		

Stud Diameter	d	22		25		
		Max	Min	Max	Min	
Stud length (Before)		22.10	21.72	25.40	25.02	
Stud Length (after)	[L1]	L1±1.6				
	[L]	3~5mm Shorter Than L1				
Head Diameter	[D]	39.9 ± 0.4		41.3 ± 0.4		
Head Height	[T]	9.5 ⁺¹ ₀		8 ⁺¹ ₀		
Ferrule Inner Diameter	[FA]	Vertical	2350	2650		
		Weld-Thru	2350	-		
Ferrule Outer Diameter	[FD]	Vertical	3600	1800		
		Weld-Thru	4000	-		
Ferrule Height	[FH]	Vertical	1800	2100		
		Weld-Thru	2100	-		



AWS D1.1 Mechanical Property Shear Connectors

Tensile Strength	Yield Strength	Elongation	Reduction Area
Mpa	Mpa	%	%
450	350	15	50

Midland Shear Connector also complies with mechanical requirements as per BS5950, Part3, Section3.1:1990
EN ISO 14555 and DIN EN ISO 13918 are available upon request.

