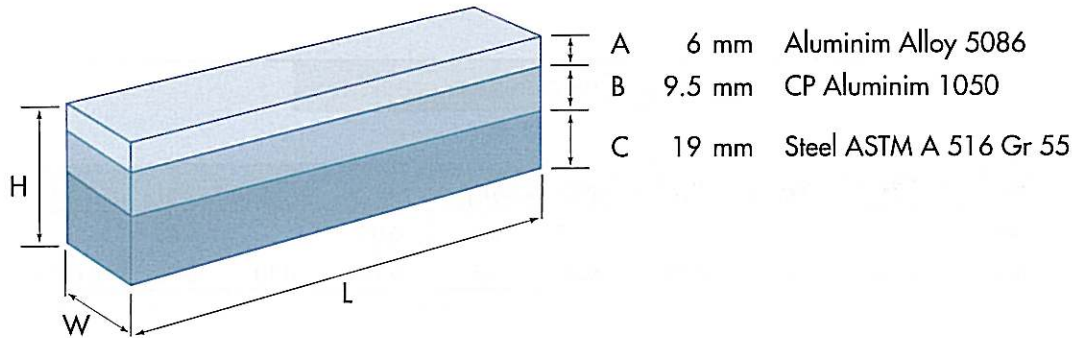


TRICLAD Aluminium/Steel Transition Joint (With Lloyd's Register of Shipping Class Cert.)



Chemical Composition

Steel ASTM A 516 Gr 55		CP Aluminium 1050		Aluminium Alloy 5086	
C	0.20%	Si	0.25%	Si	0.40%
Mn	0.60 - 1.20%	Fe	0.40%	Fe	0.50%
P	0.035%	Cu	0.05%	Cu	0.10%
S	0.035%	Mn	0.05%	Mn	0.20 - 0.70%
Si	0.035%	Mg	0.05%	Mg	3.50 - 4.50%
		Zn	0.07%	Cr	0.05 - 0.25%
		Ti	0.05%	Zn	0.25%
				Ti	0.15%

Mechanical Properties

	Steel ASTM A 516 Gr 55	CP Aluminium 1050	Aluminium Alloy 5086
Rm (MPa-N/mm ²)	380-515	65-95	240-310
UTS (ksi)	55,000-75,000	9,400-13,800	35-45
Re (MPa-N/mm ²) min	205	20	100
YTS (ksi) min	30,000	3,000	14.5
A5/Elongation (%) min	27	35	18

Width (W)	Height (H)	Length (L)
16 mm	34 mm	3.7 m
20 mm	34 mm	3.7 m
24 mm	34 mm	3.7 m
30 mm	34 mm	3.7 m
32 mm	34 mm	3.7 m
40 mm	34 mm	3.7 m
50 mm	34 mm	3.7 m