



## Stud Welding New Zealand Ltd Shear Connector and Headed Concrete Anchor Sizes

NOTE: Shear Connector and Headed Concrete Anchor Length should be specified as a "before weld length"

NOTE: Minimum plate thickness for a 3/4" stud is 8mm

Item (length prior to weld)		Approx length after weld clean beam	Approx length after weld thru deck	Item (length prior to weld)		Approx length after weld clean beam	Approx length after weld thru deck
<b><u>1/4" = 6mm</u></b>				<b><u>3/4" = 19mm</u></b>			
1 1/8"	(29mm)	26mm		2 2/16"	(56mm)	51mm	46mm
2 11/16"	(68mm)	65mm		3 3/16"	(81mm)	76mm	71mm
4 1/8"	(105mm)	102mm		3 3/8"	(86mm)	81mm	76mm
<b><u>3/8" = 10mm</u></b>				3 11/16"	(93mm)	88mm	83mm
1 3/8"	(35mm)	32mm		3 7/8"	(98mm)	93mm	88mm
1 5/8"	(41mm)	38mm		4 3/16"	(106mm)	101mm	96mm
2 1/8"	(54mm)	51mm		4 11/16"	(118mm)	113mm	108mm
2 5/8"	(67mm)	64mm		4 7/8"	(124mm)	119mm	114mm
3 1/8"	(80mm)	77mm		5 3/16"	(132mm)	127mm	122mm
4 1/8"	(105mm)	102mm		6 3/16"	(157mm)	152mm	147mm
6 1/8"	(156mm)	153mm		7 3/16"	(183mm)	178mm	173mm
<b><u>1/2" = 13mm</u></b>				8 3/16"	(208mm)	203mm	198mm
1 5/8"	(41mm)	38mm		9 3/16"	(233mm)	228mm	223mm
2 1/8"	(54mm)	51mm		10 3/16"	(259mm)	254mm	249mm
2 5/8"	(67mm)	64mm		<b><u>7/8" = 22mm</u></b>			
3 1/8"	(80mm)	77mm		3 11/16"	(94mm)	89mm	
3 5/8"	(92mm)	89mm		4 3/16"	(106mm)	101mm	
4 1/8"	(105mm)	102mm		5 3/16"	(132mm)	127mm	
5 5/16"	(135mm)	132mm		6 3/16"	(157mm)	152mm	
6 1/8"	(156mm)	153mm		7 3/16"	(183mm)	178mm	
8 1/8"	(207mm)	204mm		8 3/16"	(208mm)	203mm	
10 1/8"	(257mm)	254mm		9 3/16"	(233mm)	228mm	
<b><u>5/8" = 16mm</u></b>				10 3/16"	(259mm)	254mm	
1 7/16"	(37mm)	33mm	29mm	<b><u>1" = 25mm</u></b>			
2 3/16"	(56mm)	52mm	48mm	4 1/4"	(108mm)	102mm	
2 11/16"	(68mm)	64mm	60mm	5 1/4"	(133mm)	127mm	
3 3/16"	(81mm)	77mm	73mm	6 1/4"	(159mm)	153mm	
4 3/16"	(106mm)	102mm	98mm	8 1/4"	(210mm)	204mm	
5 3/16"	(130mm)	126mm	122mm				
6 3/16"	(157mm)	153mm	149mm				
6 9/16"	(167mm)	163mm	159mm				
8 3/16"	(208mm)	204mm	200mm				
10 3/16"	(259mm)	255mm	251mm				