








Welding Lagnut

AR Welding Lagnuts are designed to be used in single sided (blind side) forming applications or when necessary to secure formwork to steel members. AR welding lagnuts are extra deep to allow for the welding operation and are only available in 20 mm (3/4") diameter. A licensed certified welder should perform all welding. Field-testing should be conducted to established actual approximate safe working loads.



Diameter	Depth of Lagnut	Safe Working Load	Ultimate
20 mm (3/4")	38 mm (1 1/2")	80 kN (18,000 lbs)	160 kN (36,000 lbs)

**APPROXIMATE SAFE
WORKING LOAD
2:1 Safety Factor**

Product	Size		Ultimate Strength		Page Reference
	mm	(in)	kN	(lbs)	
Lagnut 	13 mm	(1/2")	80 kN	(18,000 lbs)	Refer to page 54
	20 mm	(3/4")	160 kN	(36,000 lbs)	
	25 mm	(1")	333 kN	(75,000 lbs)	
	32 mm	(1 1/4")	435 kN	(98,000 lbs)	
	38 mm	(1 1/2")	Consult the AR Technical Department for details.		
Handle Lagnut 	13 mm	(1/2")	80 kN	(18,000 lbs)	Refer to page 54
	20 mm	(3/4")	160 kN	(36,000 lbs)	
	25 mm	(1")	333 kN	(75,000 lbs)	
	32 mm	(1 1/4")	512 kN	(115,000 lbs)	
	38 mm	(1 1/2")	Consult the AR Technical Department for details.		
Wing Nut 	20 mm	(3/4")	178 kN	(40,000 lbs)	Refer to page 55
	25 mm	(1")	365 kN	(80,000 lbs)	
	32 mm	(1 1/4")	512 kN	(115,000 lbs)	
Flat Washer 	95 x 95 x 6 mm	(3 3/4" x 3 3/4" x 1/4")	60 kN	(13,500 lbs)	Refer to page 56
	125 x 125 x 10 mm	(5" x 5" x 3/8")	222 kN	(50,000 lbs)	
	150 x 150 x 13 mm	(6" x 6" x 1/2")	266 kN	(60,000 lbs)	
	200 x 200 x 19 mm	(8" x 8" x 3/4")	1,110 kN	(250,000 lbs)	
Batter Washer 	13 x 41 mm	(1 1/2" x 1 5/8")	Consult the AR Technical Department for details.		Refer to page 57
Lag Thread Coupler 	13 mm	(1/2")	80 kN	(18,000 lbs)	Refer to page 57
	20 mm	(3/4")	160 kN	(36,000 lbs)	
	25 mm	(1")	334 kN	(75,000 lbs)	
Heavy Hex Rod Coupler 	13 mm	(1/2")	80 kN	(18,000 lbs)	Refer to page 77
	16 mm	(5/8")	134 kN	(30,000 lbs)	
	20 mm	(3/4")	160 kN	(36,000 lbs)	
	22 mm	(7/8")	220 kN	(60,000 lbs)	
	25 mm	(1")	334 kN	(75,000 lbs)	