NELSON®

NS20-BHD

Heavy duty stud gun for welding drawn arc applications with a ferrule

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Durable Gun Body: Constructed from thermo-plastic resin for maximum strength and longevity.

Lift Adjustment: Mechanical adjustment for lift heights in increments of 0.25mm with detents on the core screw. Adjusting the core screw clockwise increases the lift height, counter clockwise reduces the lift height.

Lift Mechanism: Assures reliable control of lift height for highly repeatable weld arc length over millions of welds.

Leg Design And Diameter: Stainless steel legs with milled flats resists galling from leg screws and allows free movement of leg assembly during plunge adjustment. The 10mm (3/8") diameter stainless legs resist flexing with longer length studs.

Ergonomic Shape: Shape and balance reduces operator fatigue.

Plunge Dampener: The NS40-BHD can be equiped with an optional plunge dampener for welding studs larger than 10mm. This feature known as Tranquil Arc slows the stud plunging into the molten metal to reduce weld spatter.

At a Glance:
The NS20-BHD works with all the large diameter Nelson Drawn Arc welders such as the N1500i, Nelwelds N4000/6000, and Intra 1400/2100.

Gun Components:
• Legs
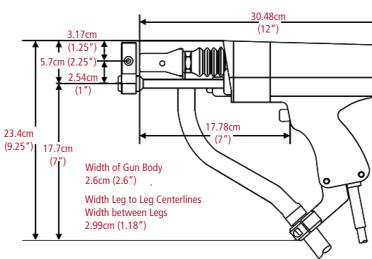• Feet
• Ferrule grips
• Plunge dampener
• Chucks

Specifications

Model	NS20-BHD
Length (less accessories)	30.5cm (12")
Basic Weight	3.1kg (6 lbs)
Working Weight	4.3kg (9 lbs)
Shipping Weight	5kg (11 lbs)
Lift Height Range	22mm (7/8")

The Nelson NS20-BHD is a rugged, standard duty Drawn Arc stud welding gun designed specifically to weld studs up to 25mm (6/8") diameter. It can be used to weld smaller diameter studs using the Gas Arc or Short Cycle welding procedure.

Applications
• Welding of large diameter studs for construction, shipbuilding and industrial applications.
• Shear connector stud through galvanized metal decking.
• Long studs is permitted by use of rigid extension accessories.

30.48cm (12")
3.17cm (1.25")
5.7cm (2.25")
2.54cm (1")
23.4cm (9.25")
17.7cm (7")
17.78cm (7")
Width of Gun Body 2.6cm (2.6")
Width Leg to Leg Centerlines
Width between Legs 2.99cm (1.18")