

WNS Bead Roller (BR305H)

W. NEAL SERVICES LTD
 29 Purdeys Way
 Purdeys Industrial Estate
 Rochford
 Essex
 SS4 1ND
 ENGLAND



WNS BEAD ROLLERS (BR305H) are principally used for swaging, beading and forming of sheet metal. The BR305H has a 305mm (12") throat and can accommodate mild steel up to 1.2mm thick. This machine comes complete with 7 sets of rolls (including Bead/Swage, Flange/Stepped & Shearing).

SPECIFICATIONS				
Model:	Throat Depth:	Maximum Thickness:	Bead/Swage Rolls (x 3):	
BR305H	305mm (12")	1.2mm Mild Steel	6.35mm, 9.0mm & 12.7mm	
Flange/Stepped Rolls (x 3):	Shearing Rolls (x 1):	Roll Outside Diameter:	Roll Inside Diameter:	
1.6mm, 3.0mm & 6.35mm	1 Set	50mm - 55mm	22mm	
Shaft Size:	Machine Body:	Handle Length:	Dimensions - machine:	Weights - net/gross:
22mm Diameter	14mm Thick	380mm	501mm x 70mm x 180mm (l x w x h)	17Kg/19Kg

Revised: April 2022

All capacities are based on the use of quality mild steel unless otherwise stated. All specifications, dimensions & weights are approximate & are to be used as a guide. Colours may vary. Please note photographs/drawings may not be to scale. W. Neal Services Ltd reserves the right to alter any specifications. *For warranty terms please see our full [Terms & Conditions](#) (on our website). E&OE.

WNS Bead Roller Rolls (BR/ROLLS-22)

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INDIVIDUAL ROLL SETS:		
Tanking Rolls - 15mm	Jenny/Flange Rolls	Swage Rolls - 24mm
 (TAN15-22)	 (JEN00-22)	 (SWA24-22)
Swage Rolls - 28mm	Swage Rolls - 32mm	Hem Rolls - 3/8", 90°
 (SWA28-22)	 (SWA32-22)	 (HEM00-22)
Spoiler Rolls	Louver Rolls - 16mm	Tipping Rolls
 (SPO00-22)	 (LOU00-22)	 (TIP00-22)
Angle Rolls - 30°	Round Bead Rolls - 19mm	Step Rolls - 45°
 (ANG30-22)	 (RND19-22)	 (STP45-22)

WNS BEAD ROLLER ROLLS are compatible with all electrical & manual WNS Bead Rollers with a 22mm shaft. Rolls available include: Tanking, Jenny/Flange, Swage, Hem, Spoiler, Louver, Tipping, Angle, Round Bead & Step Rolls.

N.B. These rolls are sold as individual sets (2 rolls per set).

SPECIFICATIONS		
Roll Outside Diameter (apx):	Roll Inside Diameter/Bore:	Weights - net/gross:
50-55mm	22mm	0.9Kg/1.0Kg Per Set

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Individual Bead Roller Roll Functions.

Tanking Rolls (TAN15-22)

WNS Bead Roller Tanking Rolls are often used to roll a radius on the end of a fuel tank. They can also stiffen sheet metal up to the maximum capacity of the Bead Roller being used. These Rolls are ideal for edge flares when joining two panels together and also create a fantastic finish when two sheets are tank rolled to 45 degrees and butt welded together at 90 degrees.

Jenny/Flange Rolls (JEN00-22)

WNS Bead Roller Jenny/Flange Rolls are principally used to strengthen metal panels by creating ridges and up-stands in sheet metal. Jenny Wheels are indispensable for the fabrication of race car interiors, fuel tanks, body panels etc.

Swage/Round Bead Rolls (SWA24-22, SWA28-22, SWA32-22) / (RND19-22)

WNS Bead Roller Swage Rolls & Round Bead Rolls both create a round bead in a piece of sheet metal in order to add strength, or to stiffen the material, generally formed parallel to the outer edge of the workpiece.

Hem Rolls (HEM00-22)

WNS Bead Roller Hem Rolls create rounded return edges on sheet metal panels to create a stronger, safer, and overall, more professional appearance. Hem Rolls have an integrated guide to keep the edge consistent.

Spoiler Rolls (SPO00-22)

WNS Bead Roller Spoiler Rolls are used to create a long gradual radius in sheet panels, giving additional strength by stiffening the material. Effectively this creates a spoiler on the edge of the workpiece.

Louver Rolls (LOU00-22)

WNS Bead Roller Louver Rolls create louvers in sheet metal of any length. This is achieved by passing the sheet through the rolls multiple times to slice, and progressively form the louver profile.

Tipping Rolls (TIP00-22)

WNS Bead Roller Tipping Rolls allow you to make tight creases in a piece of sheet metal. They are used to sharpen 90 degree bends to create a cleaner edge, or to bend a flange.

Angle Rolls (ANG30-22)

WNS Bead Roller Angle Rolls are used to create a 30 degree elevation in a piece of sheet metal.

Step Rolls (STP45-22)

WNS Bead Roller Step Rolls are principally used to add strength, function, and style to custom parts. These rolls form steps in sheet metal to make it easier to smoothly overlap metal without leaving a 'weak spot' along the joint.