

S Type Heavy Duty Deburring Blades

Instructions for successful deburring

Do not use heavy pressure when deburring as this will cause the blade to dig into the material and give an uneven finish
 Use light and even pressure which will allow the blade and handle to work together to remove the burr and leave a smooth finish on the component


Safety Information

Blades should be handled carefully as they are sharp and can cut
 Blades can break causing flying objects
 Sharp edges and flying objects can cause injury
 Users and bystanders should wear protective safety glasses
 Do not pry or bend blades
 Keep blades and sharp tools away from children
 Do not regrind blades as this will weaken the blade and cause breakage and possible injury

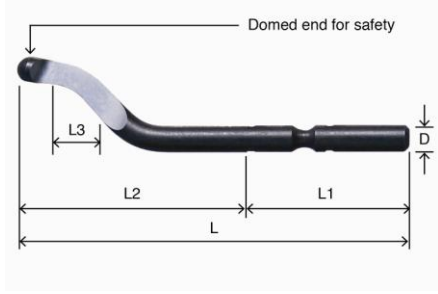
General Information

All Noga products meet the strict requirements of ISO 9001 and ISO 14001

S10 Heavy Duty Deburring Blade

	Order Code	S10
	Pack Reference	BS1010
	Cutting	Right Hand
	Works best on	Steel, Aluminium and Plastic
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,


Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
S10	10	40	65	8	83


	Order Code	S10
	Included Angle	40°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	48mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	20mm
	L3: Cutting Length	6mm

D: Shank Diameter	3.2mm
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S Type Heavy Duty Deburring Blades

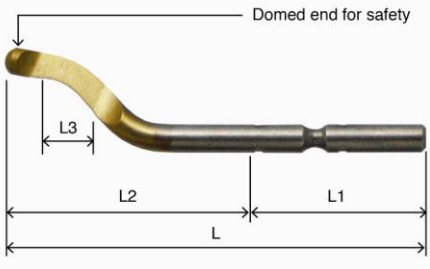
S10 L/H Heavy Duty Deburring Blade

	Order Code	S10 L/H				
	Pack Reference	BS1011				
	Cutting	Left Hand				
	Works best on	Steel, Aluminium and Plastic				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10 L/H	10	40	65	8	83	

	Order Code	S10 L/H	
	Included Angle	40°	
	Blade Material	HSS M2	
	Blade Hardness	62 – 64 HRC	
	L: Overall Length	48mm	
	L1: Length Inside Handle	28mm	
	L2: Protrusion from Handle Length	20mm	
	L3: Cutting Length	6mm	
D: Shank Diameter	3.2mm		


S10 TiN Heavy Duty Deburring Blade

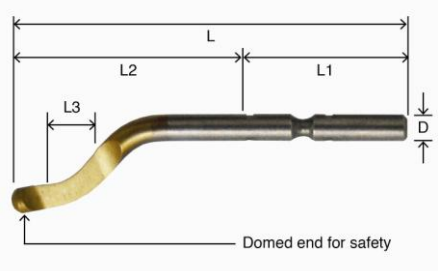
	Order Code	S10 TiN				
	Pack Reference	BS1012				
	Cutting	Right Hand				
	Works best on	Abrasive Materials				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10 TiN	10	40	65	8	83	

	Order Code	S10 TiN	
	Included Angle	40°	
	Blade Material	HSS M2 Tin Coated	
	Blade Hardness	62 – 64 HRC	
	L: Overall Length	48mm	
	L1: Length Inside Handle	28mm	
	L2: Protrusion from Handle Length	20mm	
	L3: Cutting Length	6mm	
D: Shank Diameter	3.2mm		


S Type Heavy Duty Deburring Blades

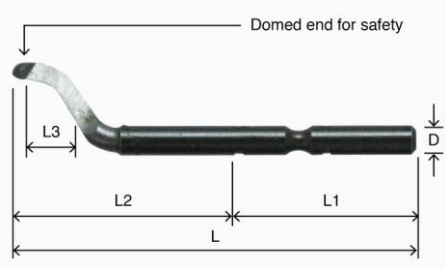
S10 L/H TiN Heavy Duty Deburring Blade

	Order Code	S10 L/H TiN				
	Pack Reference	BS1013				
	Cutting	Left Hand				
	Works best on	Abrasive Materials				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10 L/H TiN	10	40	65	8	83	

	Order Code	S10 L/H TiN				
	Included Angle	40°				
	Blade Material	HSS M2 TiN Coated				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Cutting Length	6mm				
	D: Shank Diameter	3.2mm				


S10 Carbide Heavy Duty Deburring Blade

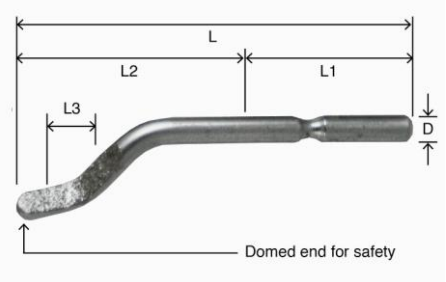
	Order Code	S10 Carbide				
	Pack Reference	BS1016				
	Cutting	Right Hand				
	Works best on	Hardened Steel and Plastics				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10	10	40	65	8	83	

	Order Code	S10 Carbide				
	Included Angle	40°				
	Blade Material	Carbide				
	Blade Hardness	1250HV				
	L: Overall Length	44mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	16mm				
	L3: Cutting Length	5mm				
	D: Shank Diameter	3.2mm				


S Type Heavy Duty Deburring Blades

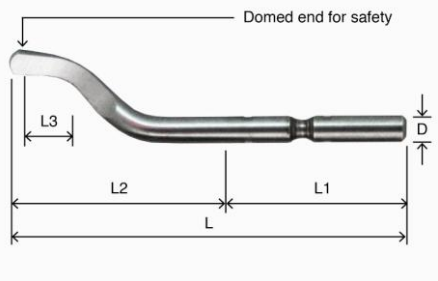
S10 Diamond Heavy Duty Deburring Blade

	Order Code	S10 Diamond				
	Pack Reference	BS1014				
	Cutting	Right Hand				
	Works best on	Glass and Ceramics				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10	10	35	62	4.5	130	

	Order Code	S10 Diamond				
	Included Angle	Flat Face				
	Blade Material	HSS Diamond Coated				
	Blade Hardness	1400-1700HV				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Cutting Length	10mm				
	D: Shank Diameter	3.2mm				


S20 Heavy Duty Deburring Blade

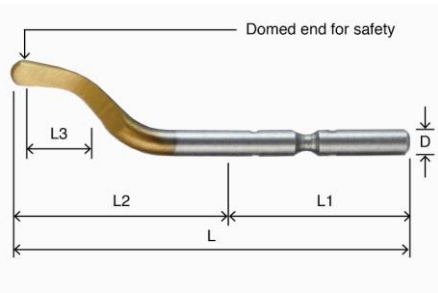
	Order Code	S20				
	Pack Reference	BS2010				
	Cutting	Left and Right Hand				
	Works best on	Brass and Cast Iron				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S20	10	40	65	8	83	

	Order Code	S20				
	Included Angle	60°				
	Blade Material	HSS M2				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Cutting Length	6mm				
D: Shank Diameter	3.2mm					

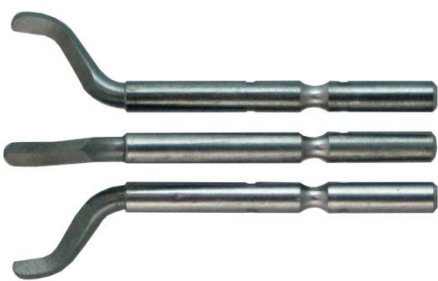
S Type Heavy Duty Deburring Blades

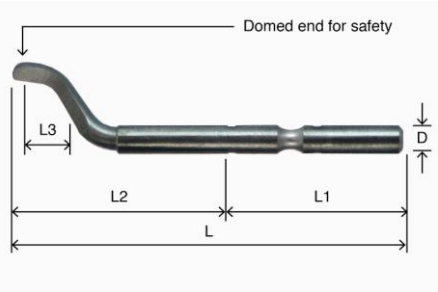
S20 TiN Heavy Duty Deburring Blade

	Order Code	S20 TiN				
	Pack Reference	BS2012				
	Cutting	Left and Right Hand				
	Works best on	Stainless Steel				
Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,					
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S20 TiN	10	40	65	8	83	

	Order Code	S20 TiN				
	Included Angle	60°				
Blade Material	HSS M2 TiN Coated					
Blade Hardness	62 – 64 HRC					
L: Overall Length	48mm					
L1: Length Inside Handle	28mm					
L2: Protrusion from Handle Length	20mm					
L3: Cutting Length	6mm					
D: Shank Diameter	3.2mm					


S20 Carbide Heavy Duty Deburring Blade

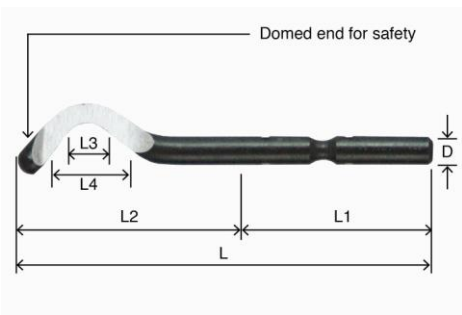
	Order Code	S20 Carbide				
	Pack Reference	BS2015				
	Cutting	Left and Right Hand				
	Works best on	Hardened Steel and Plastics				
Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,					
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S20 Carbide	10	40	65	8	83	

	Order Code	S10				
	Included Angle	60°				
Blade Material	Carbide					
Blade Hardness	1250HV					
L: Overall Length	44mm					
L1: Length Inside Handle	28mm					
L2: Protrusion from Handle Length	16mm					
L3: Cutting Length	5mm					
D: Shank Diameter	3.2mm					


S Type Heavy Duty Deburring Blades

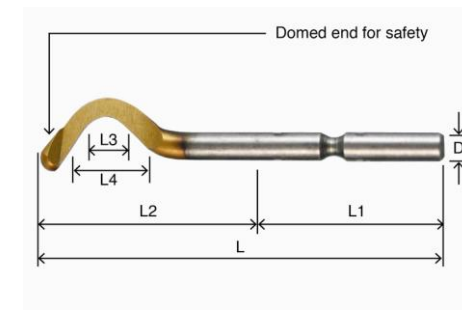
S30 Heavy Duty Deburring Blade

	Order Code	S30				
	Pack Reference	BS3010				
	Cutting	Right Hand				
	Works best on	Internal and External Burrs				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
	Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
	S30	10	40	65	8	83

	Order Code	S30				
	Included Angle	40°				
	Blade Material	HSS M2				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Min Cutting Width	2mm				
	L4: Max Cutting Width	8mm				
	D: Shank Diameter	3.2mm				


S30 TiN Heavy Duty Deburring Blade

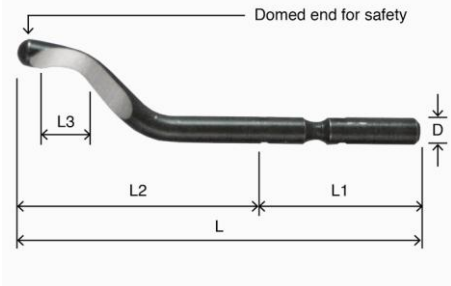
	Order Code	S30 TiN				
	Pack Reference	BS3003				
	Cutting	Right Hand				
	Works best on	Internal and External Burrs				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
	Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
	S30 TiN	10	40	65	8	83

	Order Code	S30 TiN				
	Included Angle	40°				
	Blade Material	HSS M2 TiN Coated				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Min Cutting Width	2mm				
	L4: Max Cutting Width	8mm				
	D: Shank Diameter	3.2mm				


S Type Heavy Duty Deburring Blades

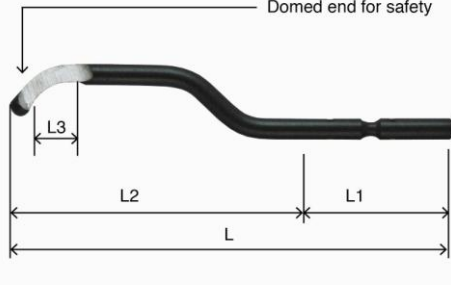
S35 Heavy Duty Deburring Blade

	Order Code	S35				
	Pack Reference	BS3510				
	Cutting	Left and Right Hand				
	Works best on	Straight Edges on most materials				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S35	10	40	65	8	83	

	Order Code	S35
	Included Angle	55°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	48mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	20mm
	L3: Cutting Length	7mm
D: Shank Diameter	3.2mm	


S60 Heavy Duty Deburring Blade

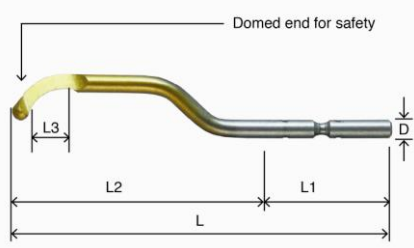
	Order Code	S60				
	Pack Reference	BS6010				
	Cutting	Right Hand				
	Works best on	Cross Holes in difficult to reach places				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S60	10	55	65	8	83	

	Order Code	S60
	Included Angle	40°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	66mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	38mm
	L3: Cutting Length	6mm
D: Shank Diameter	3.2mm	

S Type Heavy Duty Deburring Blades


S60 Tin Heavy Duty Deburring Blade

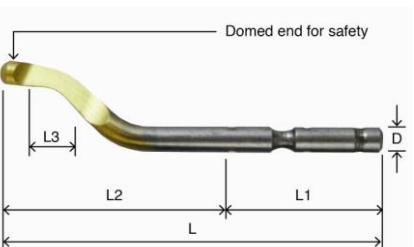
	Order Code	S60 TiN				
	Pack Reference	BS6003				
	Cutting	Right Hand				
	Works best on	Cross Holes in difficult to reach places				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S60 TiN	10	55	65	8	83	

	Order Code	S60 TiN				
	Included Angle	40°				
	Blade Material	HSS M2 TiN Coated				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	66mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	38mm				
L3: Cutting Length	6mm					
D: Shank Diameter	3.2mm					

S70 Heavy Duty Deburring Blade: See last page of Data Sheet


S100 Tin Heavy Duty Deburring Blade

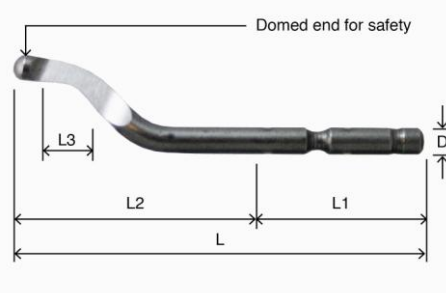
	Order Code	S100 TiN				
	Pack Reference	BS1019				
	Cutting	Right Hand				
	Works best on	Plastic and Hard Materials				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S100 TiN	10	40	65	8	83	

	Order Code	S100 TiN				
	Included Angle	45°				
	Blade Material	HSS M2 TiN Coated				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
L3: Cutting Length	6mm					
D: Shank Diameter	3.2mm					


S Type Heavy Duty Deburring Blades

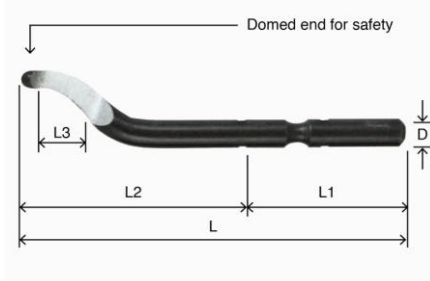
S10S Heavy Duty Deburring Blade

	Order Code	S10S / S100				
	Pack Reference	BS1018				
	Cutting	Right Hand				
	Works best on	Stainless Steel and Plastics				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
	Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S10S / S100	10	40	65	8	83	

	Order Code	S10S / S100				
	Included Angle	45°				
	Blade Material	HSS Co				
	Blade Hardness	65 – 67 HRC				
	L: Overall Length	48mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	20mm				
	L3: Cutting Length	6mm				
	D: Shank Diameter	3.2mm				


S101 Heavy Duty Deburring Blade

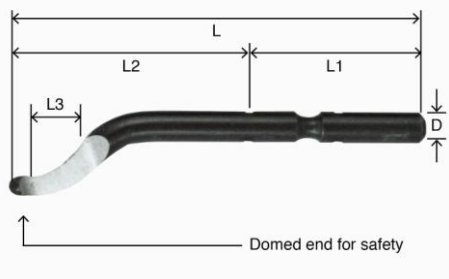
	Order Code	S101				
	Pack Reference	BK1010				
	Cutting	Right Hand				
	Works best on	Fine Edges on all materials				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
	Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S101 LH	10	40	65	8	83	

	Order Code	S101				
	Included Angle	40°				
	Blade Material	HSS M2				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	44mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	16mm				
	L3: Cutting Length	7mm				
	D: Shank Diameter	3.2mm				


S Type Heavy Duty Deburring Blades


S101 L/H Heavy Duty Deburring Blade

	Order Code	S101 LH			
	Pack Reference	BK1011			
	Cutting	Left Hand			
	Works best on	Fine Edges on all materials			
Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
S101 LH	10	40	65	8	83

	Order Code	S101 LH
	Included Angle	40°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	44mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	16mm
	L3: Cutting Length	7mm
	D: Shank Diameter	3.2mm


S101 TiN Heavy Duty Deburring Blade

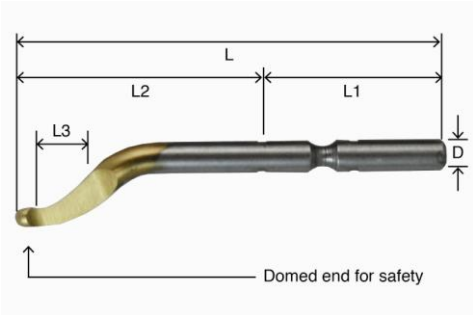
	Order Code	S101 TiN			
	Pack Reference	BK1012			
	Cutting	Right Hand			
	Works best on	Steel, Aluminium and Plastics			
Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
S202	10	40	65	8	83

	Order Code	S101 TiN
	Included Angle	40°
	Blade Material	HSS M2 TiN Coated
	Blade Hardness	62 – 64 HRC
	L: Overall Length	44mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	16mm
	L3: Cutting Length	7mm
	D: Shank Diameter	3.2mm


S Type Heavy Duty Deburring Blades

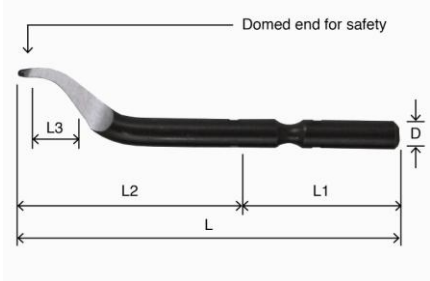
S101 L/H TiN Heavy Duty Deburring Blade

	Order Code	S101 LH TiN				
	Pack Reference	BK1013				
	Cutting	Left Hand				
	Works best on	Steel, Aluminium and Plastic				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S101 LH TiN	10	40	65	8	83	

	Order Code	S101 LH TiN
	Included Angle	40°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	44mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	16mm
	L3: Cutting Length	7mm
D: Shank Diameter	3.2mm	


S150 Heavy Duty Deburring Blade

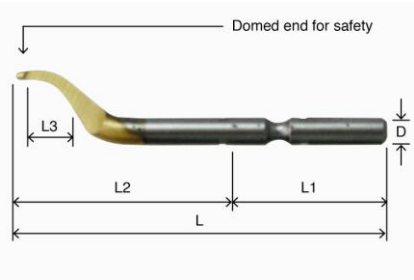
	Order Code	S150				
	Pack Reference	BK3010				
	Cutting	Right Hand				
	Works best on	For holes 1.5mm and larger				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S150	10	40	65	8	83	

	Order Code	S150
	Included Angle	45°
	Blade Material	HSS M2
	Blade Hardness	62 – 64 HRC
	L: Overall Length	44mm
	L1: Length Inside Handle	28mm
	L2: Protrusion from Handle Length	16mm
	L3: Cutting Length	6mm
D: Shank Diameter	3.2mm	


S Type Heavy Duty Deburring Blades

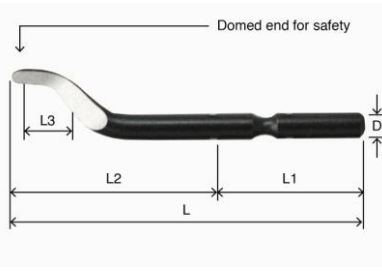
S150 TiN Heavy Duty Deburring Blade

	Order Code	S150 TiN				
	Pack Reference	BK3010				
	Cutting	Right Hand				
	Works best on	For holes 1.5mm and larger				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S150 TiN	10	40	65	8	83	

	Order Code	S150 TiN				
	Included Angle	45°				
	Blade Material	HSS M2 TiN Coated				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	44mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	16mm				
L3: Cutting Length	6mm					
D: Shank Diameter	3.2mm					


S202 Heavy Duty Deburring Blade

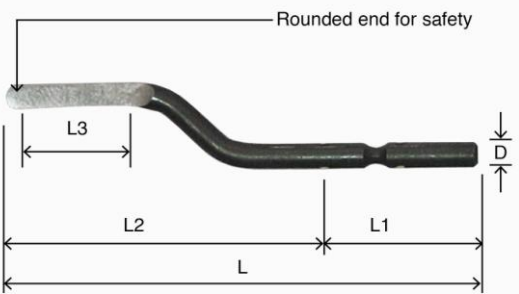
	Order Code	S202				
	Pack Reference	BK2010				
	Cutting	Left and Right Hand				
	Works best on	Brass and Cast Iron Fine Edges				
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,				
Packed Weight and Dimensions						
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm	
S202	10	40	65	8	83	

	Order Code	S202				
	Included Angle	55°				
	Blade Material	HSS M2				
	Blade Hardness	62 – 64 HRC				
	L: Overall Length	44mm				
	L1: Length Inside Handle	28mm				
	L2: Protrusion from Handle Length	16mm				
L3: Cutting Length	7mm					
D: Shank Diameter	3.2mm					

S Type Heavy Duty Deburring Blades

S70 Heavy Duty Deburring Blade

	Order Code	S70			
	Pack Reference	BS7001			
	Cutting	Right Hand			
	Works best on	Straight Edges			
	Used with Handle	NG-1, NG-3 + S Holder, Plastic Edge Off, Rapid Burr, Plastic Rapid Burr,			
Packed Weight and Dimensions					
Code	Pack Quantity	Weight g	Wmm	Hmm	Lmm
S70	1	8	65	8	83

	Order Code	S70
	Included Angle	45°
Blade Material	HSS M2	
Blade Hardness	62 – 64 HRC	
L: Overall Length	58mm	
L1: Length Inside Handle	28mm	
L2: Protrusion from Handle Length	30mm	
L3: Cutting Length	15mm	
D: Shank Diameter	3.2mm	