

Effective 1st November 2018

RECIPROCATING BLADE CATALOGUE



suttontools
world class cutting tools

Saw Blades Reciprocating – Selection Chart



Catalogue Code	Page Number	Wood						Metal							Masonry				
		Hard wood and soft wood	Wood & nails	MDF	Green wood	Pallet	Window frame	Steel	Stainless steel	Aluminium	Copper and Brass	Cast iron	Sheet metal	Metal pipes	Plaster board	Cement sheet	Ceramics and Tiles	Hebel	Brick
H505	10		●			○	○	●	○	●	●		○	●					
H506	11	●																	
H507	11	●	○			○	○	○											
H508	8		●					●	○	○	●		○	○					
H509	9		●					○			○		○	○					
H510	9	○	●			●	●	●			●								
H511	10	○	●			●	●	●			●			●					
H512	6							●	○				●						
H513	6							●	○				●	○					
H514	7							●	○				●						
H515	7							●	○				●						
H516	6	○	●			●	●	●			●		●						
H517	7							●	○	●	●		○						
H518	8							●	○	●	●		○						
H519	9							●	○	●	●		○						
H520	12	●																	
H521	12	●																	
H522	13	●												●					
H523	13	●																	
H524	12	●																	
H525	11	●			●														
H526	14	●	●			●	●	○											
H527	13	○	○			○	○	○											
H528	14	●	●			●	●	○											
H529	14	○			●														
H530	15	●												●				○	
H531	15							●	●				●						
H532	15	●		●											●			●	
H533	16										●		●		○	○	●	○	
H534	16																		
H535	8		●					●		●	●			●					
H536	2	●			●														

● Optimal ○ Effective

Colour System

suttontools

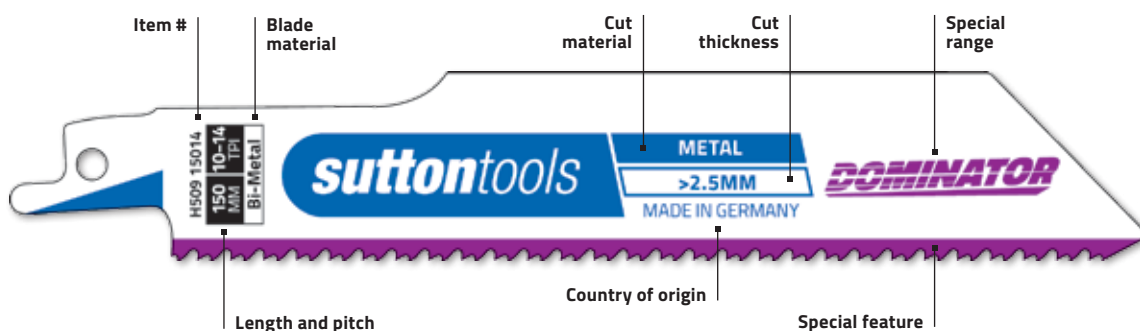
Making blade selection easy

To aid easy blade selection, we have colour coded their blades and packs into the following four material groups:

Wood Application (Red)	
	Hard wood and soft wood
	Wood & nails
	MDF
	Green wood
	Pallet
	Window frame
Metal Application (Blue)	
	Steel
	Stainless steel
	Aluminium
	Copper & Brass
	Cast iron
	Sheet metal
	Metal pipes
Specialty Application (Aqua)	
	PVC Plastics
	Acrylic
	Insulation material
	Polystyrene
	Leather
	Rubber
	Cardboard
	Fibreglass
	Carbon Fibre
Masonry Application (Orange)	
	Plaster board
	Cement sheet
	Ceramic & Tile
	Hebel
	Brick



How to read blade information



suttontools

Special application premium grade blades are highlighted in purple for the most demanding jobs. The blade that professionals prefer to use.

DOMINATOR



FAST STRAIGHT CUTS



Twin-Cut
Twin-Cut geometry reduces tooth breakage



Straight Cut
25mm tall body for straighter, more accurate cuts



Thin kerf
Designed for flexibility and speed

HYPER CUT



DEMOLITION MADE EASY



Demolition
Special thick and robust blade designed for demolition work.



HEAVY DUTY
Break resistant body for maximum durability



Plunge Cut
Taper back design for plunge cutting in hard-to-reach applications

MEGA SHARP



MEGA FAST CLEAN CUTS



Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life



Increased Tang Angle
For optimal speed and cutting performance

POWER CURVE



THE NEXT GENERATION



Curved blade design allows higher tooth engagement resulting in more efficient cuts



Battery Saving Technology
Power Curve allows high power transfer and longer battery life



Thin kerf
Designed for flexibility and speed

ULTRA



ULTRA HARD... ULTIMATE STRENGTH



Carbide Tip
Tungsten carbide teeth for high wear resistance when cutting abrasive materials



HEAVY DUTY
Break resistant body for maximum durability



suttontools



H512 Metal Reciprocating Blade, Sheet Metal >1.2mm

Flexible, finely toothed blade for clean cuts in sheet metal. Suitable for cutting steel and stainless steel (>1.2mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			>1.2mm	●	●	●		
				Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	24 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H512 15024	9311963599045



PROSERIES

H513 Metal Reciprocating Blade, Sheet Metal >1.5mm, Dominator

High performance blade with an extra tall and thin body for fast, accurate and straight plunge cuts in sheet metal. Suitable for cutting steel, stainless steel and metal pipe (>1.5mm).

- 25mm tall body reduces twisting for straighter, more accurate cuts
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			>1.5mm	●	●	●		
				Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H513 15018	9311963599298
225	205	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H513 22518	9311963599304
300	280	18 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H513 30018	9311963599311



PROSERIES

H516 Metal Reciprocating Blade, Sheet Metal 1.5-6.0mm, Mega Sharp

High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (1.5-6.0mm), wood & nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			1.5-6.0mm	●	●	●		
				Rough	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	8 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H516 15008	9311963599373
200	180	8 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H516 20008	9311963599380





H514 Metal Reciprocating Blade, Sheet Metal 1.5–2.5mm, Power Curve

Flexible, general purpose blade for fast, clean cuts in sheet metal. Suitable for cutting steel and stainless steel (1.5–2.5mm).

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

30% FASTER Battery Saving Technology		CUT TYPE					Sheet Metal, Steel, Stainless Steel		
		Thickness	Clean	Fast	Straight				
		1.5–2.5mm	●	●					
			Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
150	130	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H514 15018	9311963599090	
225	205	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H514 22518	9311963599106	



H517 Metal Reciprocating Blade, Sheet Metal 2.0–3.5mm, Power Curve

Flexible, general purpose blade for fast, clean cuts in sheet metal. Suitable for cutting steel, stainless steel, aluminium and copper (2.0–3.5mm).

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

30% FASTER Battery Saving Technology		CUT TYPE					Sheet Metal, Steel, Stainless Steel, Aluminium, Copper & Brass				
		Thickness	Clean	Fast	Straight						
		2.0–3.5mm	●	●							
			Rough	Plunge	Curved						
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H517 15014	9311963599137			
225	205	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H517 22514	9311963599144			

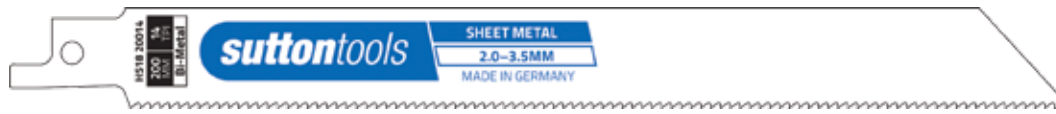


H515 Metal Reciprocating Blade, Sheet Metal 1.5–4.0mm

Flexible, general purpose blade for clean cuts in sheet metal. Suitable for cutting steel and stainless steel (1.5–4.0mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

		CUT TYPE					Sheet Metal, Steel, Stainless Steel		
		Thickness	Clean	Fast	Straight				
		1.5–4.0mm	●						
			Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
150	130	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H515 15018	9311963599076	
200	180	18 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H515 20018	9311963599083	



H518 Metal Reciprocating Blade, Sheet Metal 2.0–3.5mm

Flexible, general purpose blade for clean cuts in sheet metal. Suitable for cutting steel, stainless steel, aluminium and copper (2.0–3.5mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts

			CUT TYPE							
			Thickness	Clean	Fast	Straight				
			2.0–3.5mm	●	●					
				Rough	Plunge	Curved				
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H518 15014	9311963599113		
200	180	14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H518 20014	9311963599120		

PROSERIES



H535 Metal Reciprocating Blade, Shark

Flexible, general purpose blade for fast, aggressive cuts in metal. Suitable for cutting steel, aluminium, copper, metal pipe (>2.5 mm) and wood & nails.

- Shark slot design for optimum heat dissipation and longer tool life
- Shark slot design reduces weight and increases battery life
- Shark tooth design allows fast, aggressive yet stable cutting
- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for fast cutting

		CUT TYPE								
		Thickness	Clean	Fast	Straight					
		>2.5mm	●	●						
			Rough	Plunge	Curved					
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	9-13 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H535 15013	9311963600284		



H508 Metal Reciprocating Blade, Twin-Cut

Flexible blade with innovative Twin-Cut tooth geometry designed to reduce tooth breakage and increase blade life when cutting metal. Suitable for cutting steel, aluminium, copper, metal pipe (>2.5mm) and wood & nails.

- Twin-Cut geometry reduces tooth breakage, combining speed and durability
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for fast cutting

		CUT TYPE								
		Thickness	Clean	Fast	Straight					
		>2.5mm	●	●						
			Rough	Plunge	Curved					
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
150	130	10–14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H508 15014	9311963599052		
225	205	10–14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H508 22514	9311963599069		



H509 Metal Reciprocating Blade, Dominator

High performance blade with innovative Twin-Cut tooth geometry. Extra tall and thin body for fast, accurate and straight plunge cuts in metal. Suitable for cutting steel, copper, metal pipe (>2.5mm) and wood & nails.

- Twin-Cut geometry reduces tooth breakage, combining speed and durability
- 25mm tall body reduces twisting for straighter, more accurate cuts
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting

				CUT TYPE							
				Thickness	Clean	Fast	Straight				
				>2.5mm		●	●				
						Rough	Plunge	Curved			
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H509 15014	9311963599267			
225	205	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H509 22514	9311963599274			
300	280	10-14 TPI	0.9	25	Cobalt Bi-Metal	2 Pack	H509 30014	9311963599281			



H519 Metal Reciprocating Blade, Metal

Flexible, general purpose blade for cutting metal. Suitable for cutting steel, stainless steel, aluminium and copper (3.0-5.0mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting

				CUT TYPE					
				Thickness	Clean	Fast	Straight		
				3.0-5.0mm		●			
						Rough	Plunge	Curved	
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
150	130	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H519 15010	9311963599151	
200	180	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H519 20010	9311963599168	
280	260	10 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H519 28010	9311963599175	



H510 Metal Reciprocating Blade, Mega Sharp

High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (2.5-10mm), wood & nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

				CUT TYPE									
				Thickness	Clean	Fast	Straight						
				2.5-10mm		●							
						Rough	Plunge	Curved					
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode					
150	130	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H510 15005	9311963599397					
200	205	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H510 20005	9311963599403					
280	260	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H510 28005	9311963599410					



H510 Metal Reciprocating Blade, Mega Sharp, Double Shank

High performance blade with double shank design and patented M-Tooth geometry. Suitable for cutting steel, copper (2.5–10mm), wood & nails and PVC plastics.

- Double shank design for complete use of cutting length and up to 60% better economy
- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Thin kerf for flexibility and speed
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

2X FASTER 3X LIFE Economy			CUT TYPE				Steel Wood & Nails PVC Plastic Pallet Window Frame	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			2.5–10mm	Rough	Plunge	Curved		
240	200	5 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H510 24005	9311963599434



H511 Metal Reciprocating Blade, Pipe, Mega Sharp

Designed for parallel cuts in large diameter pipe. High performance blade with patented M-Tooth geometry. Suitable for cutting steel, copper (2.5–10mm), wood & nails and PVC plastics.

- Patented M-Tooth design cuts on both forward and back stroke for 2X cutting speed and 3X life
- Extra thick blade suitable for parallel cuts in large diameter pipes
- Increased tang angle for optimal speed and cutting performance
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades

2X FASTER 3X LIFE			CUT TYPE				Metal Pipe Copper & Brass Wood & Nails PVC Plastic Pallet Window Frame	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			2.5–10mm	Rough	Plunge	Curved		
200	180	5 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H511 20005	9311963599427



H505 Demolition Reciprocating Blade, Metal, Hypercut

Special thick and robust blade designed for demolition work in metal. Suitable for cutting steel, stainless steel, aluminium, copper, metal pipe (>3.0mm), PVC plastics and wood & nails.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

HEAVY DUTY Demolition			CUT TYPE				Steel Aluminium Copper & Brass Metal Pipe Wood & Nails PVC Plastic	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			>3.0mm	Rough	Plunge	Curved		
150	130	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H505 15010	9311963599182
225	205	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H505 22510	9311963599199
300	280	10 TPI	1.57	22	Cobalt Bi-Metal	2 Pack	H505 30010	9311963599205



H506 Demolition Reciprocating Blade, Wood, Hypercut

Special thick and robust blade designed for demolition work in wood. Suitable for cutting hard wood and soft wood.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Demolition		CUT TYPE				Qty		Item # Barcode	
		Thickness	Clean	Fast	Straight				
H506 15006	<100mm	●	●	●	●	2 Pack	H506 15006	9311963599212	
H506 22506	<175mm	●	●	●	●	2 Pack	H506 22506	9311963599229	
H506 30006	<250mm	●	●	●	●	2 Pack	H506 30006	9311963599236	



H507 Demolition Reciprocating Blade, Fire & Rescue, Hypercut

Special thick and robust blade designed for fire & rescue and demolition work. Suitable for cutting wood & nails, and all kinds of timber construction.

- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Increased tang angle for optimal speed and cutting performance
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Fire & Rescue Demolition		CUT TYPE				Qty		Item # Barcode	
		Thickness	Clean	Fast	Straight				
H507 22508	<175mm	●	●	●	●	2 Pack	H507 22508	9311963599243	
H507 30008	<300mm	●	●	●	●	2 Pack	H507 30008	9311963599250	



H525 Wood Reciprocating Blade, Green Wood

Coarse pitch, diagonally sharpened blade for rough cuts in green wood. Suitable for cutting timber and green wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled, side set and diagonally sharpened

Green Wood		CUT TYPE				Qty		Item # Barcode	
		Thickness	Clean	Fast	Straight				
H525 15003	<100mm	●	●	●	●	2 Pack	H525 15003	9311963598970	
H525 22503	<175mm	●	●	●	●	2 Pack	H525 22503	9311963598987	



H520 Wood Reciprocating Blade, Power Curve

Flexible, general purpose blade for fast cuts in wood. Suitable for cutting timber, soft wood and hard wood.

- Curved blade design allows higher tooth engagement resulting in 30% faster, more efficient and effective cuts
- Power Curve supports the orbital movement of the reciprocating saw allowing high power transfer and longer battery life
- Increased tang angle for optimal speed and cutting performance
- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast cutting

30% FASTER Battery Saving Technology			CUT TYPE				Soft Wood Hard Wood	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			<175mm	Rough	Plunge	Curved		
225	205	4 TPI	1.05	19	HCS	2 Pack	H520 22504	9311963598963



H521 Wood Reciprocating Blade, General Purpose

Flexible, general purpose blade for cutting wood. Suitable for cutting timber, soft wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting

			CUT TYPE				Soft Wood Hard Wood	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			<100mm	Rough	Plunge	Curved		
150	130	4 TPI	1.05	19	HCS	2 Pack	H521 15004	9311963598956



H524 Wood Reciprocating Blade, Curved Cut

Flexible blade designed for clean cuts in wood. Suitable for cutting timber, soft wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth triply sharpened for finer cutting in wood

Clean Cut Curved Cut			CUT TYPE				Soft Wood Hard Wood	
O/A Length	Cut Length	Tooth Pitch	Thickness	Clean	Fast	Straight	Item #	Barcode
			<190mm	Rough	Plunge	Curved		
240	220	6 TPI	1.27	19	HCS	2 Pack	H524 24006	9311963598918



Blade shown at 50% actual size

H522 Wood Reciprocating Blade, Plunge Cut

Flexible plunge cutting blade designed for fast cuts in wood. Suitable for cutting timber, soft wood, hard wood, PVC plastics and plasterboard.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut			CUT TYPE				Material Compatibility			
Thickness	Clean	Fast	Straight	Material Compatibility						
				Soft Wood	Hard Wood	PVC Plastic	Plaster Board			
6-100mm	Rough	Plunge	Curved	●	○	○	○	○	○	
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
300	280	6 TPI	1.27	19	HCS	2 Pack	H522 30006	9311963598888		



Blade shown at 50% actual size

H523 Wood Reciprocating Blade, Plunge Cut

Flexible plunge cutting blade designed for fast cuts in wood and fibre glass. Suitable for cutting timber, soft wood, hard wood, PVC plastics and fibreglass.

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut			CUT TYPE				Material Compatibility				
Thickness	Clean	Fast	Straight	Material Compatibility							
				Soft Wood	Hard Wood	PVC Plastic	Fibreglass	Carbon Fibre			
H523 15006 <100mm	Rough	Plunge	Curved	●	○	○	○	○	○		
H523 30006 <250mm	Rough	Plunge	Curved	●	○	○	○	○	○		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode			
150	130	6 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H523 15006	9311963598895			
300	280	6 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H523 30006	9311963598901			



Blade shown at 50% actual size

H527 Wood & Nails Reciprocating Blade, Plunge Cut

Robust vari-pitch blade with taper back design for plunge cutting in wood & nails. Suitable for cutting wood & nails and timber.

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Variable pitch cuts nails with reduced vibration
- Taper back design for plunge cutting and easier start in hard-to-reach applications

Plunge Cut			CUT TYPE				Material Compatibility			
Thickness	Clean	Fast	Straight	Material Compatibility						
				Wood & Nails	Soft Wood	Pallet	Window Frame			
<250mm	Rough	Plunge	Curved	●	○	○	○	○	○	
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode		
300	280	5-8 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H527 30008	9311963599038		



H528 Specialty Reciprocating Blade, Pallet Repair

Special vari-pitch blade designed for pallet repair. Suitable for cutting wood & nails, timber and steel (>2.5mm).

- Thin kerf for flexibility and speed
- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and side set for straight, fast, rough cutting
- Variable pitch for universal use and reduced vibration

COBALT BI-METAL			CUT TYPE								
			Thickness	Clean	Fast	Straight	Pallet	Window Frame	Wood & Nails	Soft Wood	Steel
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty					
225	205	10-14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H528 22514	9311963598994			
280	260	10-14 TPI	0.9	19	Cobalt Bi-Metal	2 Pack	H528 28014	9311963599007			



H526 Wood & Nails Reciprocating Blade

Straight cutting blade specially designed for pallet repair. Suitable for cutting wood & nails, timber and steel (>2.5mm).

- Made from Cobalt Bi-Metal HSS for flexibility, heat and break-resistance, lasting up to 10X longer than high carbon steel blades
- Teeth milled and wavy set for straight, fine cuts
- Variable pitch cuts nails with reduced vibration

Straight Cut			CUT TYPE								
COBALT BI-METAL			Thickness	Clean	Fast	Straight	Pallet	Window Frame	Wood & Nails	Soft Wood	Steel
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty					
150	130	10-14 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H526 15014	9311963599014			
225	205	10-14 TPI	1.27	19	Cobalt Bi-Metal	2 Pack	H526 22514	9311963599021			



H529 Specialty Reciprocating Blade, Tree Pruning

Special induction hardened and diagonally sharpened blade designed for fast cuts in green wood. Suitable for cutting green wood and hard wood.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Induction hardened blade edge for durability
- Teeth side set and diagonally sharpened for fast, clean cuts

COBALT BI-METAL			CUT TYPE					
Straight Cut			Thickness	Clean	Fast	Straight	Green Wood	Hard Wood
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty		
240	220	4-5 TPI	1.27	19	HCS	2 Pack	H529 24005	9311963598949



Blade shown at 50% actual size

H530 Specialty Reciprocating Blade, Plasterboard

Flexible blade designed for fast cuts in plasterboard and wood. Suitable for cutting timber, soft wood, hard wood and plasterboard.

- Made from alloyed tool steel. A flexible blade for cutting soft materials
- Teeth milled and side set for straight, fast, rough cutting

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			H530 15006 6-100mm		●			
			H530 30006 6-250mm	Rough ○	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
150	130	6 TPI	1.05	19	HCS	2 Pack	H530 15006	9311963598925
300	280	6 TPI	1.05	19	HCS	2 Pack	H530 30006	9311963598932



PROSERIES

Blade shown at 100% actual size

H531 Specialty Reciprocating Blade, Stainless Steel

Tungsten Carbide Tipped (TCT) blade for specialised applications. Suitable for cutting stainless steel, steel, acrylic, fibreglass and carbon fibre (2.0-4.0mm).

- Tungsten carbide strip with ground straight taper set teeth for high wear resistance when cutting tough, abrasive materials
- Ground to a sharper edge for excellent wear resistance

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			2.0-4.0mm		●			
				Rough ○	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
115	95	18 TPI	1.25	19	TCT	2 Pack	H531 11518	9311963599359



PROSERIES

Blade shown at 70% actual size

H532 Specialty Reciprocating Blade, Fibreglass

Tungsten Carbide Tipped (TCT) blade for specialised applications. Suitable for cutting hard wood, soft wood, MDF, fibreglass and hebel.

- Made from alloyed tool steel with tungsten carbide teeth for high wear resistance when cutting abrasive materials
- Heavy Duty thick, rigid body resists bending and fracturing for maximum durability

			CUT TYPE					
			Thickness	Clean	Fast	Straight		
			H532 22503 <175mm		●			
			H532 30003 <250mm	Rough ○	Plunge	Curved		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode
225	205	3 TPI	1.3	19	TCT	1 Pack	H532 22503	9311963599335
300	280	3 TPI	1.3	19	TCT	1 Pack	H532 30003	9311963599342



Blade shown at 50% actual size

H534 Specialty Reciprocating Blade, Insulation

Special designed blade for installing insulation. The highly sharp edge and double ground wave blade allows a fast, precise and smooth cutting action. Suitable for cutting rock wool insulation, polystyrene, leather, rubber, paper and carpet (<250mm).

- Double wave blade design for cutting without ripping or snagging
- Specially sharp-edged and double ground blade allows a fast, precise and nearly abrasive-free cutting action
- Made from alloyed tool steel. A flexible blade for cutting soft materials

Smooth Cut		Fast Cut		CUT TYPE				Material Icons	
		Thickness	Clean	Fast	Straight				
		<250mm	●	●			Insulation Material		
			Rough	Plunge	Curved		Polystyrene, PVC Plastic, Leather, Rubber, Ceramic & Tile		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
300	280	3 TPI	1.27	19	HCS	2 Pack	H534 30000	9311963599328	

PROSERIES



H533 Specialty Reciprocating Blade, Masonry

High performance abrasive blade for cutting tough materials that resist chip forming. Carbide grit blades provide fast smooth cuts. Suitable for cutting cast iron, steel pipes, fibreglass, ceramics, cement sheet, hebel and brick (<175mm).

- Tungsten carbide grit cutting edge resists material binding
- Abrasive blade with smooth cutting action

Carbide Grit		Smooth Cut		CUT TYPE				Material Icons	
		Thickness	Clean	Fast	Straight				
		<175mm	●	○			Cast Iron		
			Rough	Plunge	Curved		Metal Pipe, Fibreglass, Brick, Cement Sheet		
O/A Length	Cut Length	Tooth Pitch	Blade Thickness	Blade Height	Blade Material	Qty	Item #	Barcode	
230	210	10-14 TPI	1.05	19	Carbide Grit	2 Pack	H533 23000	9311963599366	

Reciprocating Blades – Brand Equivalent

suttontools

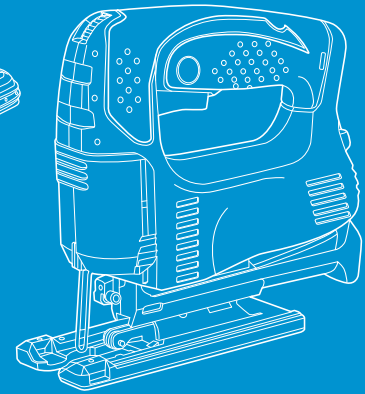
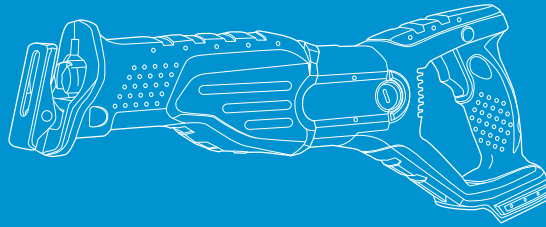
Power Tool Suitability

Reciprocating saw blades are available with a ½" universal shank and are suitable for the following power tools:
AEG Black & Decker, Bosch, De Walt, Hitachi, Makita, Metabo, Milwaukee, Ozito, Ryobi.



SUTTON TOOLS	BRAND EQUIVALENT LIST						
	AEG	BOSCH	DEWALT	LENOX	MAKITA	METABO	MILWAUKEE
H505 15010	373247	S920CF	-	-	P46969	31992	48-00-5700
H505 22510	-	S1120CF	-	960R	P46975	31993	48-00-5705
H505 30010	-	-	-	-	P46981	-	48-00-5710
H506 15006	373243	S610DF	DW4862	6066R	P47036	31925	48-00-5021
H506 22506	373244	S1110DF	DW4863	966R	P47042	31926	48-00-5026
H506 30006	-	-	DW4860	106R	P47058	-	48-00-5027
H507 22508	-	-	-	-	-	-	48-00-5026
H507 30008	-	-	-	-	-	-	48-00-5027
H508 15014	-	-	-	-	-	-	-
H508 22514	-	-	-	-	-	-	-
H509 15014	-	-	-	-	-	-	-
H509 22514	-	-	-	-	-	-	-
H509 30014	-	-	-	-	-	-	-
H510 15005	-	-	-	-	-	-	-
H510 20005	-	-	-	-	-	-	-
H510 24005	-	-	-	-	-	-	-
H510 28005	-	-	-	-	-	-	-
H511 20005	-	-	-	-	-	-	-
H512 15024	354796	S922AF	DW4813	624R	P04905	-	-
H513 15018	-	-	-	6118R	-	-	48-00-5784
H513 22518	-	-	-	9118R	-	-	48-00-5788
H513 30018	-	-	-	12118R	-	-	48-00-5789
H514 15018	-	-	-	21069618GR	-	-	-
H514 22518	-	-	-	21070818GR	-	-	-
H515 15018	354792	S922EF	DW4811	618R	P04880	31454	48-00-5184
H515 20018	354793	S1122EF	DW4821	818R	P04933	31493	-
H516 15008	-	-	-	-	-	-	-
H516 20008	-	-	-	-	-	-	-
H517 15014	-	-	-	210946114GR	-	-	-
H517 22514	-	-	-	210989114GR	-	-	-
H518 15014	354789	S922BF	DW4808	614R	P04911	31491	48-00-5182
H518 20014	361345	-	DW4809	814R	P04927	31494	-
H519 15010	318127	S922HF	DW4806	610R	P46997	-	48-00-5092
H519 20010	-	S1122HF	-	810R	P47008	31932	-
H519 28010	-	-	-	-	P04983	-	-
H520 22504	-	-	-	21062956GR	-	-	-
H521 15004	-	-	-	-	P04999	-	-
H522 30006	323802	S1344D	DW4804	156R	P05016	31472	48-00-1079
H523 15006	354775	S611DF	-	656R	P05088	-	48-00-5035
H523 30006	354778	S1411DF	-	156R	-	-	48-00-5037
H524 24006	-	S2345X	-	-	-	-	-
H525 15003	-	-	-	-	-	-	-
H525 22503	-	S1111K	-	-	-	-	-
H526 15014	-	-	-	-	-	-	-
H526 22514	-	-	-	-	-	-	-
H527 30008	-	-	-	-	-	-	-
H528 22514	-	-	-	-	-	-	-
H528 28014	-	-	-	-	-	-	-
H529 24005	323803	S1531L	-	-	P47117	31488	48-00-1077
H530 15006	354780	S628D	DW4851	-	-	-	48-00-5052
H530 30006	-	-	-	-	-	-	-
H531 11518	-	-	-	-	-	-	-
H532 22503	-	-	-	-	-	-	-
H532 30003	-	-	-	-	-	-	-
H533 23000	373386	S1130Riff	-	100RG	-	31818	-
H534 30000	-	-	-	-	P80444	-	48-00-1084
H535 15013	-	-	-	-	-	-	-

Saw Blades – Helpful Hints



Jigsaws and reciprocating saws are the most widely used power tools – along with the power drill and cordless screwdriver – this is due in part to their versatility.

A jigsaw is a tool used for cutting arbitrary curves, such as stencilled designs or other custom shapes. It can be used in a more artistic fashion than other saws, which typically cut in straight lines only. In this way, it is similar to the rasp and the chisel.

A reciprocating saw can be used comfortably on vertical surfaces. The cutting action is achieved through a push and pull reciprocating motion of the blade. It is capable of straight line cuts and tight-curve cuts.

How to use:

i. **Select a powertool suitable for your project.**

Hint: Make sure you are comfortable with your machine before you start cutting. Read the user's manual carefully and know all control features of your tool.

ii. **Select the correct blade for the material you are going to cut and attach it to the saw.**

iii. **Measure and mark the cut line you need for your project.**

For shapes like sink cut-outs in countertops you can use a template which is usually supplied with the sink or use the actual sink to scribe a cut line is your best option. For other shapes or special projects, creating a template for your cut out of paper or cardboard may make the process easier and more accurate. Draw the cutting design on your work piece. The mark has to be thick enough to be visible when sawdust accumulates.

iv. **Clamp your workpiece firmly.**

Hold smaller pieces such as pipe or conduit in a vice or attach it to the workbench with clamps.

v. **Position the blade close to the edge of the material where you will begin your cut.**

Start the cut on an edge of the work piece and not on a corner as you run the risk of chipping the corner.

Hint: Drill pilot hole for interior cuts. Make a ½" hole to allow the saw to commence cutting. Some saws have plunge cutting capability. In this instance, pilot hole is not required.

vi. **Commence cutting the material.**

Begin your cut by slowly squeezing the trigger of the saw, and when it is running at the desired speed, push it forward into the material you are cutting. Use a steady cutting speed and make slow movements to cut along the mark. To eliminate vibration, always cut close to the clamping point.

Hint: The adjustable shoe of a reciprocating saw is on a pivot, which allows it to turn when you work on bevelled or slanted wood so that the cut will go completely through without splintering the wood.

vii. **Stop occasionally and clear the sawdust.**

For example, with a brush or attach a dust extraction system if suitable to the tool.

Cutting Tips:

- Let the blade do the work. Never apply excessive forward pressure to the tool.
- Let the blade cool down naturally. Never use water or other liquids to cool the blade rapidly since it might break.
- Operate the saw with two hands. Let the blade run freely for a few seconds before commencing to cut.
- When cutting thin sheets of metal, place a piece of plywood on either side to control vibration and prevent tearing.
- Always wear safety equipment.

Operating Conditions:

It is important to work with the right speed and feeds to preserve the life of your saw blades and increase efficiency. Although the best speed for specific application is largely determined by experience, as a general rule, slower speeds should be used when cutting hard materials like metals. Faster speeds should be used when cutting soft materials like wood.

Always make sure that the blade is sharp to ensure less load on the tool and better cutting results.

In order to increase the life of a saw blade, a cooling liquid is recommended during cutting:

- Sutton Tools Venom Cutting Fluid (steel, metal)
- Petroleum (aluminium)
- Water (plastics, glass-fiber)

Safety Considerations:

- Use hearing and eye protection before commencing cutting.
- Jigsaws and reciprocating saws use big motors that take awhile to spin down after you let go of the trigger. Carefully hold onto the tool when you're finished with the cut till it stops completely.
- When restarting in the middle of a cut, back the saw off just a hair so the teeth aren't touching the material before you pull the trigger. The blade will bite in more predictably this way.
- Be careful to avoid kickback, which arises when the material you're cutting through tries to make the blade hold still, which then causes the body of the saw to reciprocate instead of the blade. If you experience more than mild kickback, immediately let go of the trigger and continue to hold the powertool firmly until the saw motor winds down.

Saw Blades Technical Information

The performance of a saw blade depends on **1 Tool Material** **2 TPI** **3 Tooth Geometry** **4 Blade Length**. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting all materials.

1 Tool Material



High Carbon Steel:

- Most economical blade material
- Resistant to abrasion and deformation
- Ability to hold a cutting edge at elevated temperatures
- High flexibility

Recommended material to cut:



Hard Wood Soft Wood PVC Plastic Plasterboard



Cobalt Bi-Metal:

Flexible electron beam welded joint of high temperature alloyed sprung steel and cobalt high speed steel on the cutting edge to meet the highest demands given to a blade during use.

- optimum cutting efficiency
- prolonged service life
- flexible making it virtually unbreakable

Recommended material to cut:



Pallet Wood & Nails Carbon Fibre Steel Aluminium Copper & Brass Sheet Metal Metal Pipe



Carbide Tipped / Carbide Grit:

Alloyed tool steel with tungsten carbide teeth or tungsten carbide gritted cutting edge:

- Very abrasion resistant = longest life.
- Can withstand higher temperatures than standard high speed steel tools
- Maintain a sharper cutting edge, produce a better finish and allows faster cutting

Recommended material to cut:

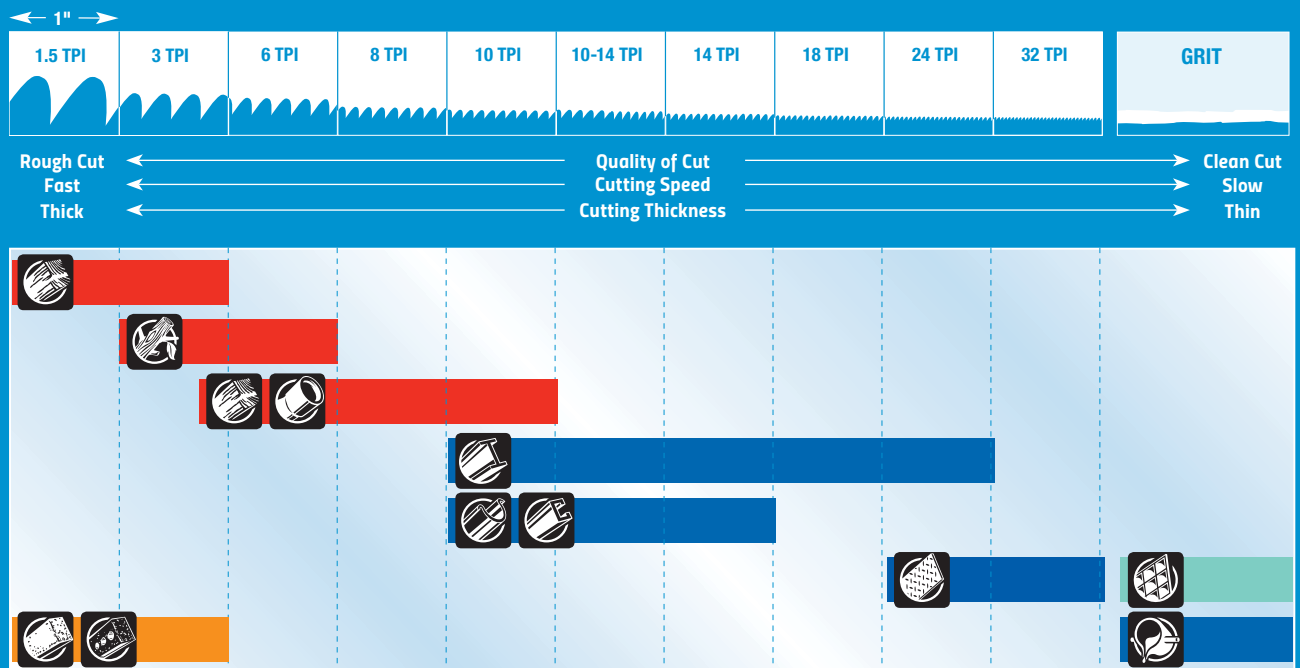


Hebel Brick Stainless Steel



Cast Iron Ceramic & Tiles

2 TPI (Teeth Per Inch) Selection Guide



3 Tooth Geometry Selection Guide



Side set toothing for rough cuts



Side set, diagonally sharpened toothing for rough quick cuts



Conically ground blade, teeth diagonally sharpened toothing for precise clean cuts



Wavy set toothing for fine and clean cuts

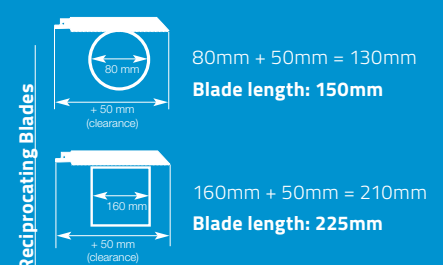
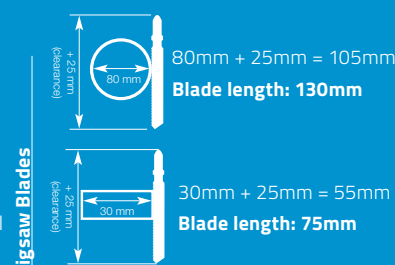


Reverse Teeth very clean and splinter free surface cuts

Tooth Shape: D = Roof Tooth P = Positive Tooth N = Normal Tooth

4 Blade Length Selection Guide

- As a general rule, the jigsaw blade should be 25mm longer than the workpiece thickness and the reciprocating blade should be 50mm longer than the workpiece thickness.
- 2-3 teeth need to work constantly in the material, the used tooth pitch also follows this rule of thumb.
- It is recommended to use saw blades with a small tooth pitch for thin material and a rough tooth pitch for thick material.



Material Codes: ■ Wood ■ Metal ■ Specialty ■ Masonry

Sutton Tools NZ Ltd

New Zealand

80A Hunua Rd. Papakura, Auckland, New Zealand, 2110

T 0800 553 236 **F** 0800 708 677 **E** sales@suttontools.co.nz

Australia (Head Office)

378 Settlement Road, Thomastown 3074, Victoria Australia

T +61 3 9280 0800 **F** +61 3 9464 0015

Customer Service

T 1800 335 350 **F** 1800 333 127 **E** cservice@sutton.com.au

Special Sales

T 1800 035 010 **F** 1800 804 084 **E** specsales@sutton.com.au

www.suttontools.co.nz