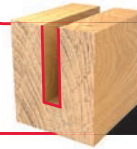
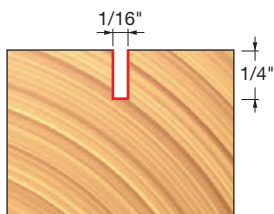


Double Flute Straight Bits

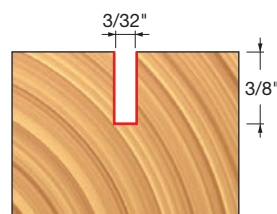


STRAIGHT, SPIRAL & TRIM BITS

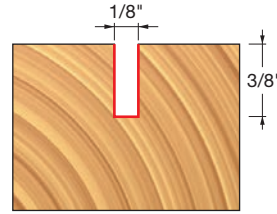
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
12-140*	5/8"	1-1/2"	1/2"	3"
12-142*	5/8"	2"	1/2"	4"
12-148*	11/16"	1-1/4"	1/2"	3"
12-152*	3/4"	1"	1/2"	2-1/2"
12-154*	3/4"	1-1/4"	1/2"	3"
12-156*	3/4"	1-1/2"	1/2"	3"
12-158*	3/4"	2"	1/2"	3-1/2"
12-162*	13/16"	1-1/4"	1/2"	3"
12-168*	7/8"	1-1/4"	1/2"	3"
12-172*	1"	1-1/4"	1/2"	3"
12-178*	1-1/8"	1-1/2"	1/2"	3"
12-182*	1-1/4"	1-1/2"	1/2"	2-7/8"
12-186*	1-3/8"	1-1/4"	1/2"	3"
12-190*	1-1/2"	1-1/4"	1/2"	3"
12-194*	1-3/4"	1-1/4"	1/2"	3"
Undersized Plywood Bits				
04-111**	7/32"	3/4"	1/4"	2"
04-127*	15/32"	3/4"	1/4"	2"
04-128*	15/32"	7/8"	1/4"	2-3/8"
12-114*	15/32"	1-1/4"	1/2"	2-7/8"
12-135*	19/32"	1-1/4"	1/2"	2-7/8"
12-150*	23/32"	1-1/4"	1/2"	2-7/8"
Metric Version				
04-502**	2mm	5/32"	1/4"	1-1/2"
04-508**	3mm	5/16"	1/4"	1-3/4"
04-512**	5mm	15/32"	1/4"	2"
04-520*	10mm	1-1/4"	1/4"	2-3/8"
04-528*	12mm	1-1/4"	1/4"	2-3/8"
04-532*	15mm	3/4"	1/4"	2-1/4"
04-536*	15mm	1-1/4"	1/4"	2-5/8"
04-540*	16mm	3/4"	1/4"	2-1/4"
04-544*	16mm	1-1/4"	1/4"	2-5/8"
04-548*	18mm	3/4"	1/4"	2"
04-552*	20mm	3/4"	1/4"	2"
12-520*	10mm	1-1/4"	1/2"	2-3/4"
12-530*	12mm	1-1/4"	1/2"	2-3/4"
12-544*	16mm	1-1/4"	1/2"	2-3/4"



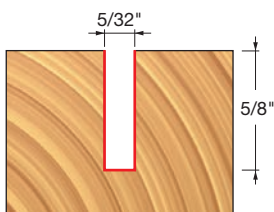
04-096



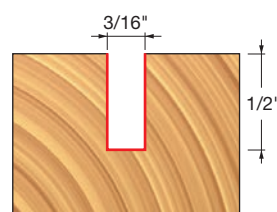
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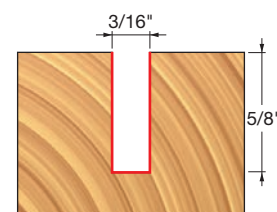
04-100



04-101



04-102



04-103

* Solid Carbide
* Eclipse Grind

** For use with Porter-Cable® Dovetail Jig #4212
Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



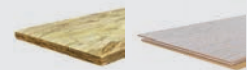
ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

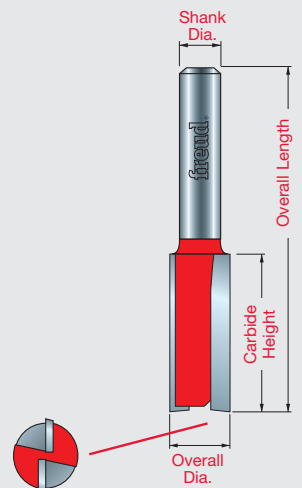
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

STRAIGHT, SPIRAL & TRIM BITS



Double Flute Straight Bits

USE IN



Table Router



Hand Router

CNC

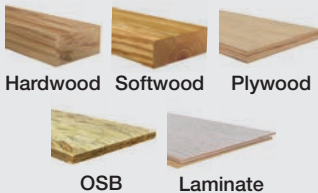
APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal

ECLIPSE GRIND

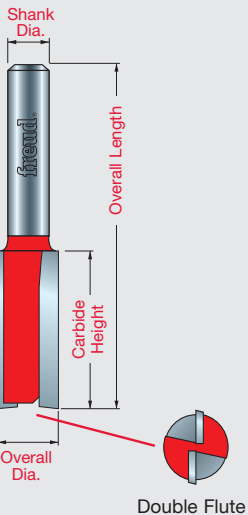
Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

MATERIALS



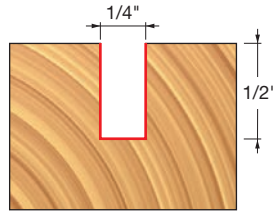
Hardwood Softwood Plywood

OSB Laminate

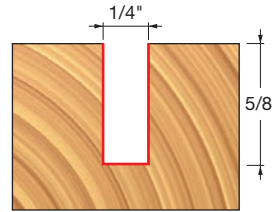


Double Flute

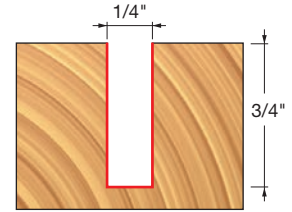
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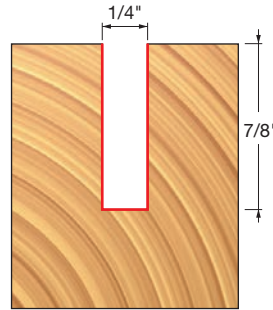
04-104



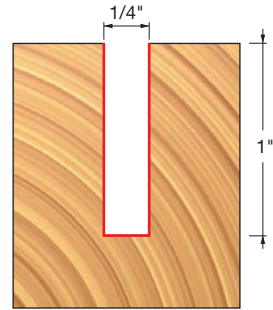
04-105



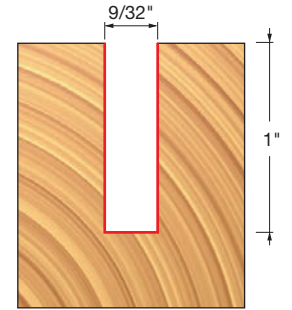
04-106 / 08-106 / 12-100



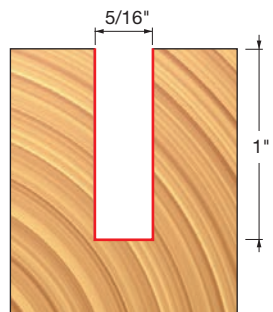
04-107 / 04-109 / 12-102



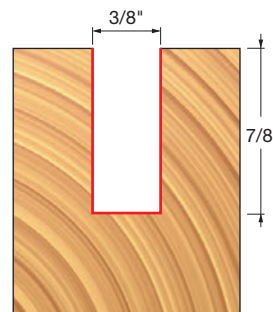
04-108 / 04-110



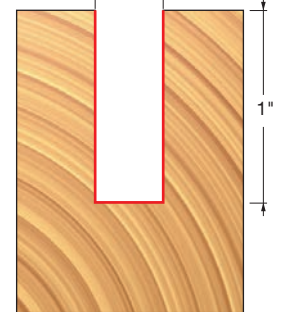
04-112



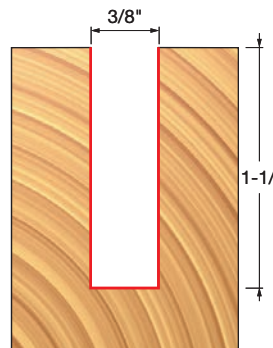
04-118 / 12-106



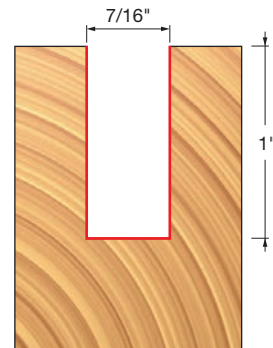
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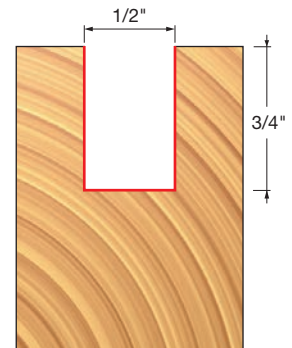
04-124 / 08-124 / 12-108



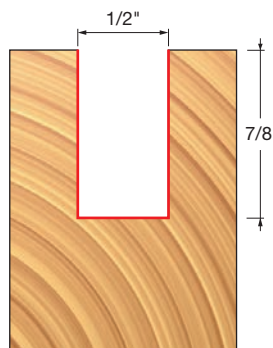
04-126 / 12-110



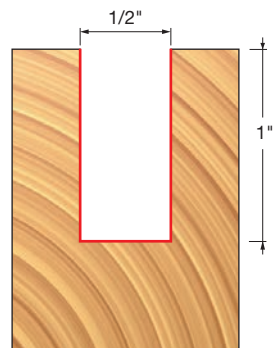
04-129



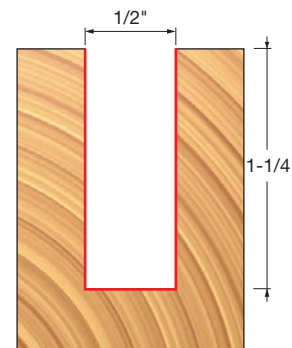
04-130



04-131



04-132 / 08-132 / 12-116



04-133 / 12-118

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

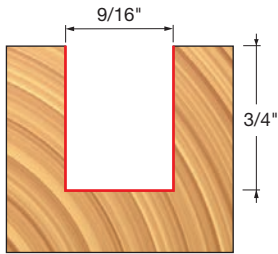
All Profile Drawings 1:1 Scale

Double Flute Straight Bits

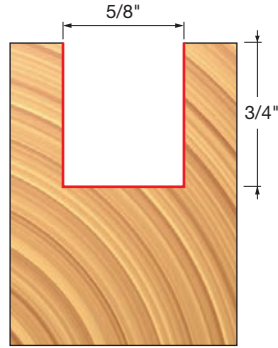


STRAIGHT, SPIRAL & TRIM BITS

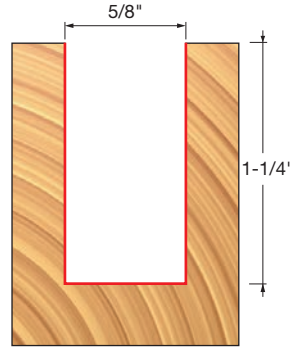
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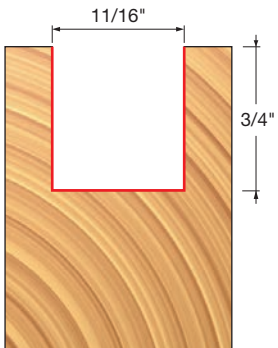
04-134



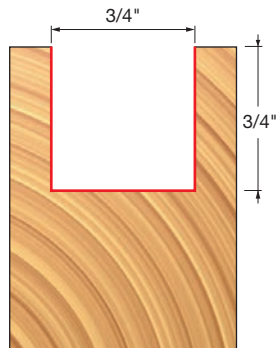
04-136



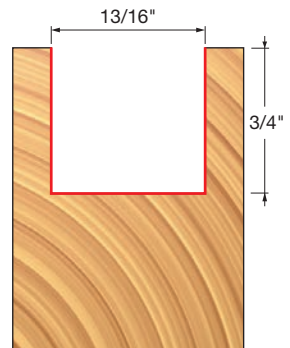
04-137 / 12-138



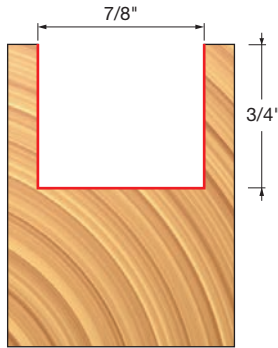
04-138



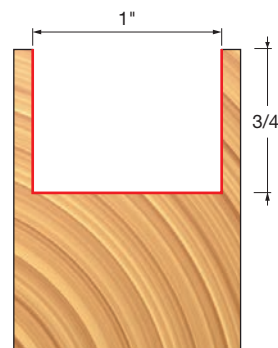
04-140



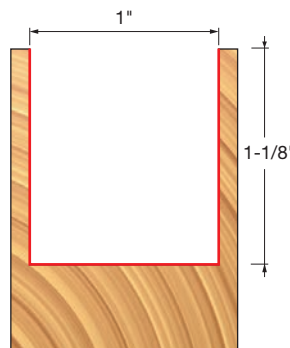
04-144



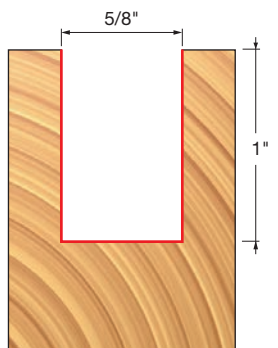
04-148



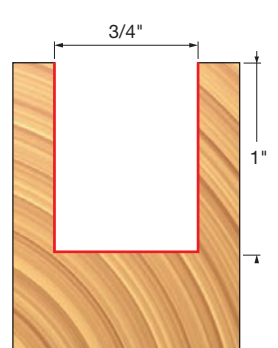
04-152



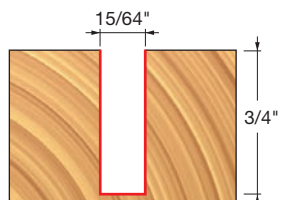
04-156



08-136 / 12-136



08-152 / 12-152



12-096

USE IN



Table Router



Hand Router



CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



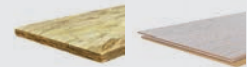
ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

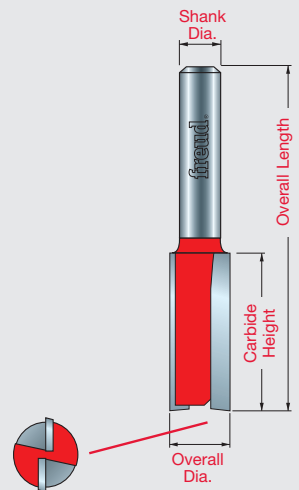
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS

Double Flute Straight Bits



USE IN



Table Router



Hand Router

CNC

APPLICATION

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ECLIPSE GRIND

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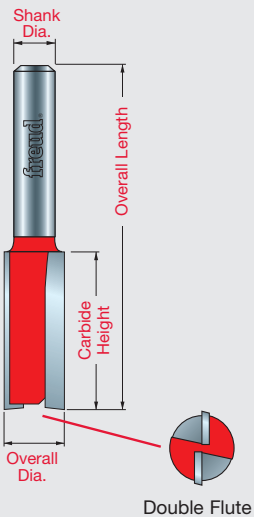
MATERIALS



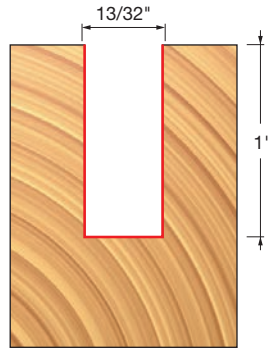
Hardwood Softwood Plywood



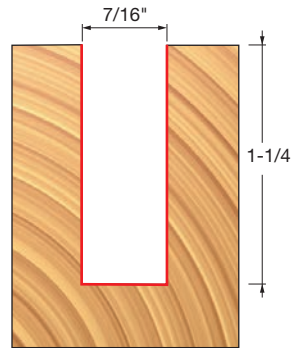
OSB Laminate



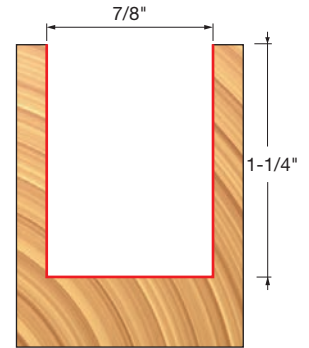
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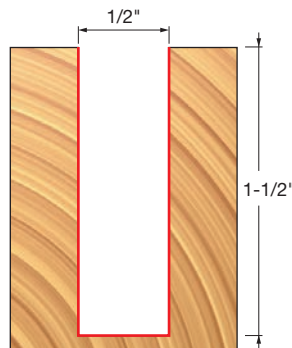
12-112



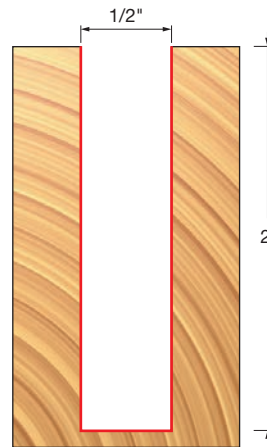
12-113



12-115 / 12-168



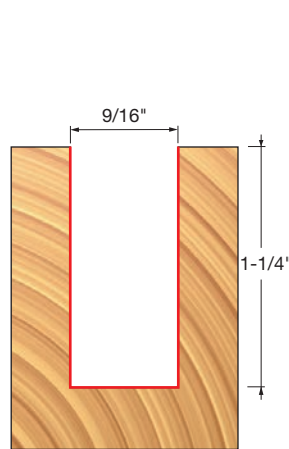
12-122 / 12-124



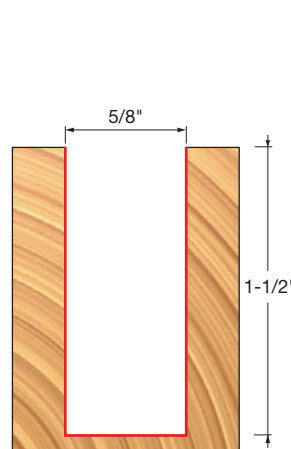
12-128



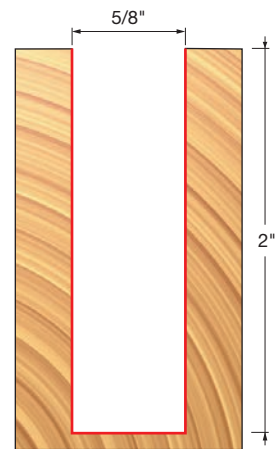
12-130



12-134



12-140



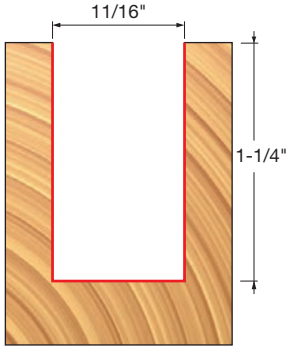
12-142

Double Flute Straight Bits

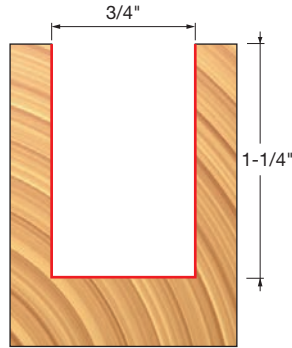


STRAIGHT, SPIRAL & TRIM BITS

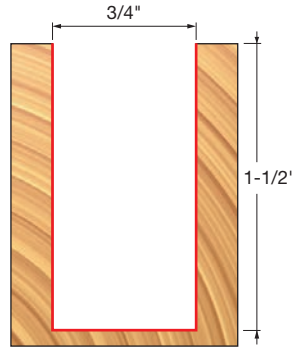
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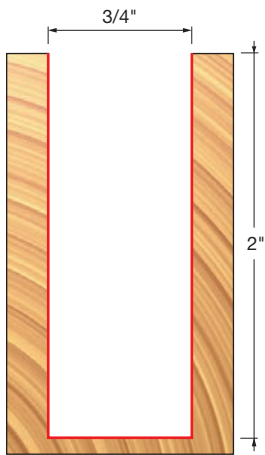
12-148



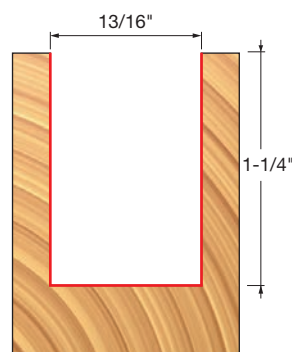
12-154



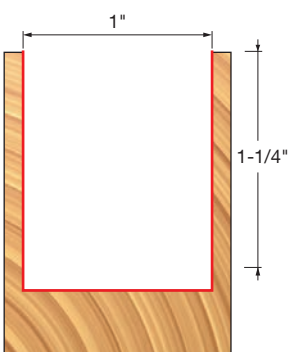
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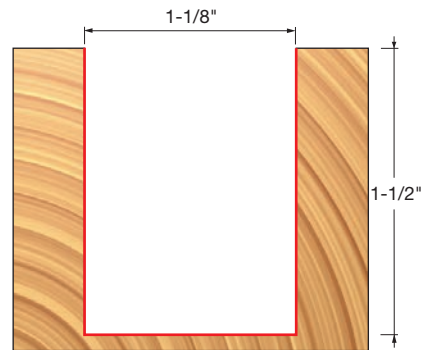
12-158



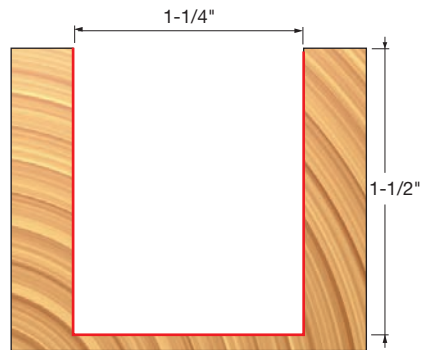
12-162



12-172



12-178



12-182

USE IN



Table Router

Hand Router

CNC

APPLICATION

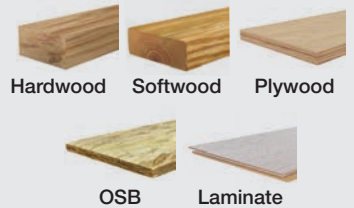
Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

MATERIALS



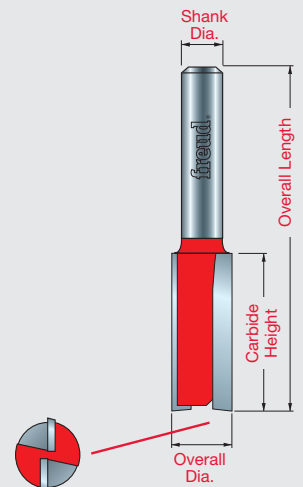
Hardwood

Softwood

Plywood

OSB

Laminate



Double Flute

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

STRAIGHT, SPIRAL & TRIM BITS

Double Flute Straight Bits



CONTINUED

USE IN



Table Router



Hand Router

CNC

APPLICATION

Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

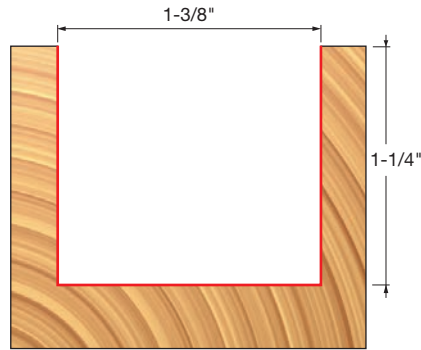
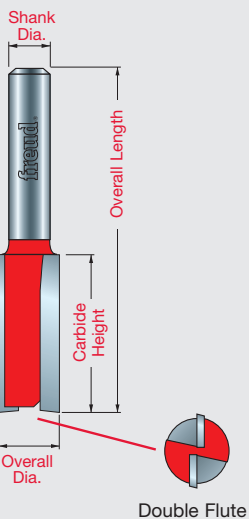
MATERIALS



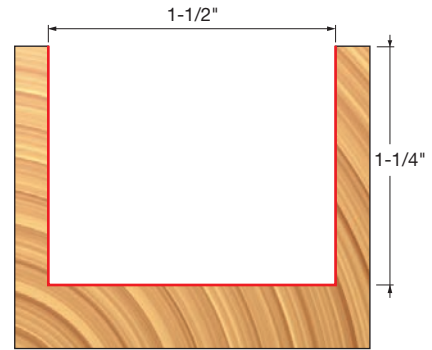
Hardwood Softwood Plywood



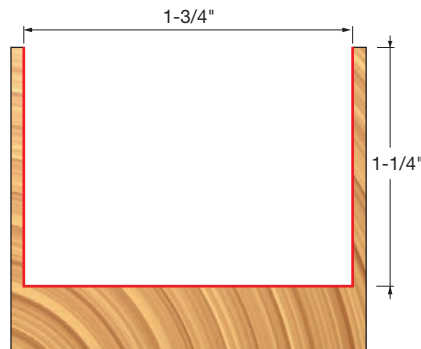
OSB Laminate



12-186

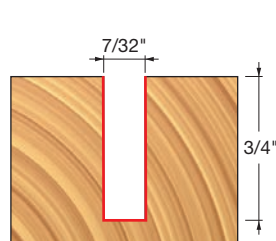


12-190

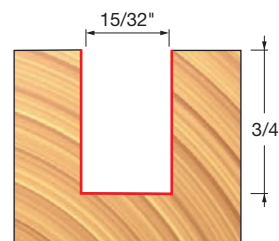


12-194

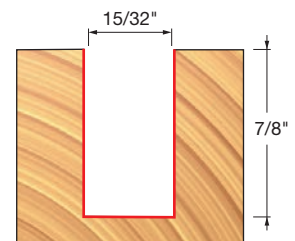
Undersized Plywood Bits



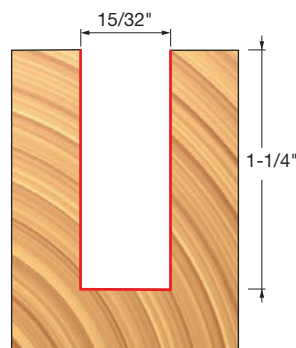
04-111



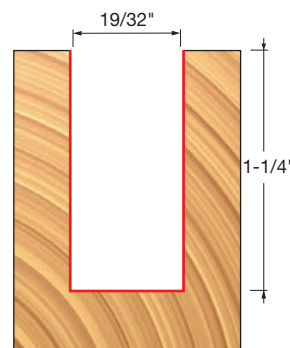
04-127



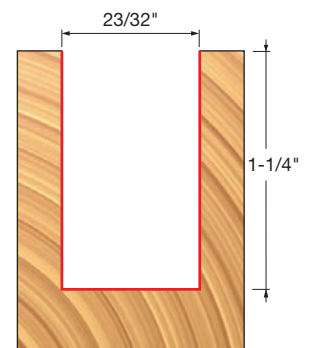
04-128



12-114



12-135



12-150

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale