

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



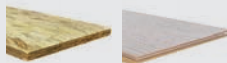
ECLIPSE GRIND

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

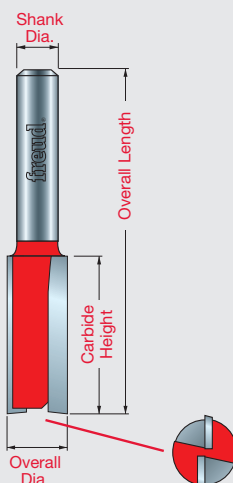
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

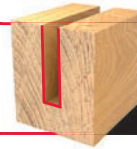
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
04-096**	1/16"	1/4"	1/4"	1-5/8"
04-098**	3/32"	3/8"	1/4"	1-5/16"
04-100**	1/8"	3/8"	1/4"	1-3/4"
04-101**	5/32"	5/8"	1/4"	1-1/2"
04-102**	3/16"	1/2"	1/4"	2"
04-103**	3/16"	5/8"	1/4"	2"
04-104**	1/4"	1/2"	1/4"	2"
04-105**	1/4"	5/8"	1/4"	2"
04-106**	1/4"	3/4"	1/4"	2-1/4"
04-107**	1/4"	7/8"	1/4"	2-1/4"
04-108**	1/4"	1"	1/4"	2-1/2"
04-109**	1/4"	7/8"	1/4"	2-7/8"
04-110**	1/4"	1"	1/4"	2-7/8"
04-112*	9/32"	1"	1/4"	2"
04-118*	5/16"	1"	1/4"	2-1/2"
04-120*	3/8"	7/8"	1/4"	1-7/8"
04-124*	3/8"	1"	1/4"	2-1/2"
04-126*	3/8"	1-1/4"	1/4"	2-11/16"
04-129*	7/16"	1"	1/4"	2-1/2"
04-130*	1/2"	3/4"	1/4"	2-1/4"
04-131*	1/2"	7/8"	1/4"	1-7/8"
04-132*	1/2"	1"	1/4"	2-1/8"
04-133*	1/2"	1-1/4"	1/4"	2-3/4"
04-134*	9/16"	3/4"	1/4"	2-1/8"
04-136*	5/8"	3/4"	1/4"	2-1/8"
04-137*	5/8"	1-1/4"	1/4"	2-3/4"
04-138*	11/16"	3/4"	1/4"	2-1/8"
04-140*	3/4"	3/4"	1/4"	2-1/8"
04-144*	1-13/16"	3/4"	1/4"	2"
04-148*	7/8"	3/4"	1/4"	2"
04-152*	1"	3/4"	1/4"	2"
04-156*	1"	1-1/8"	1/4"	2-9/16"
08-106	1/4"	3/4"	3/8"	2"
08-124	3/8"	1"	3/8"	2-1/4"
08-132	1/2"	1"	3/8"	2-1/2"
08-136	5/8"	1"	3/8"	2-1/4"
08-152	3/4"	1"	3/8"	2-1/4"
12-096*	15/64"	3/4"	1/2"	2-13/32"
12-100*	1/4"	3/4"	1/2"	2-3/8"
12-102*	1/4"	7/8"	1/2"	2-7/8"
12-106*	5/16"	1"	1/2"	2-3/4"
12-108*	3/8"	1"	1/2"	2-5/8"
12-110*	3/8"	1-1/4"	1/2"	2-7/8"
12-112***	13/32"	1"	1/2"	2-5/8"
12-113*	7/16"	1-1/4"	1/2"	3-1/4"
12-115*	7/8"	1-1/4"	1/2"	2-3/4"
12-116*	1/2"	1"	1/2"	2-5/8"
12-118*	1/2"	1-1/4"	1/2"	2-7/8"
12-122*	1/2"	1-1/2"	1/2"	3-1/8"
12-124*	1/2"	1-1/2"	1/2"	4-1/4"
12-128*	1/2"	2"	1/2"	4-1/8"
12-130*	1/2"	2-1/2"	1/2"	4-3/8"
12-134*	9/16"	1-1/4"	1/2"	2-7/8"
12-136*	5/8"	1"	1/2"	2-1/2"
12-138*	5/8"	1-1/4"	1/2"	2-1/2"

* Solid Carbide
* Eclipse Grind

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

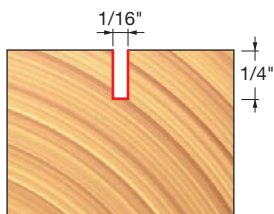
All Profile Drawings 1:1 Scale

Double Flute Straight Bits

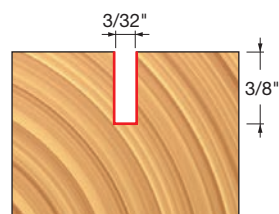


STRAIGHT, SPIRAL & TRIM BITS

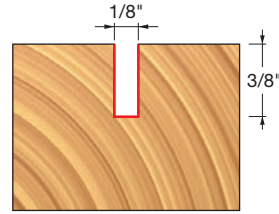
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
12-140*	5/8"	1-1/2"	1/2"	3"
12-142*	5/8"	2"	1/2"	4"
12-148*	11/16"	1-1/4"	1/2"	3"
12-152*	3/4"	1"	1/2"	2-1/2"
12-154*	3/4"	1-1/4"	1/2"	3"
12-156*	3/4"	1-1/2"	1/2"	3"
12-158*	3/4"	2"	1/2"	3-1/2"
12-162*	13/16"	1-1/4"	1/2"	3"
12-168*	7/8"	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"



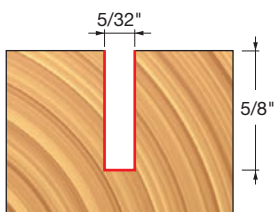
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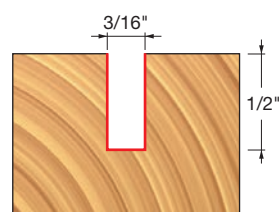
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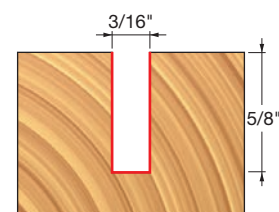
04-100



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



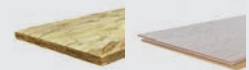
ECLIPSE GRIND

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

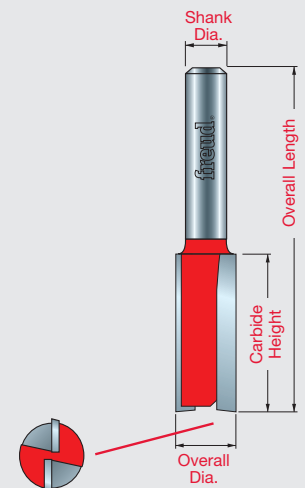
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

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Double Flute Straight Bits

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APPLICATION

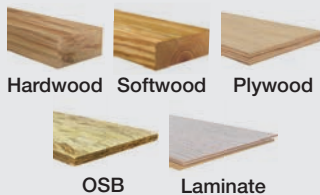
Precise shear and hook angles for smooth finishes and end of bit relief for fast plunging in general stock removal



ECLIPSE GRIND

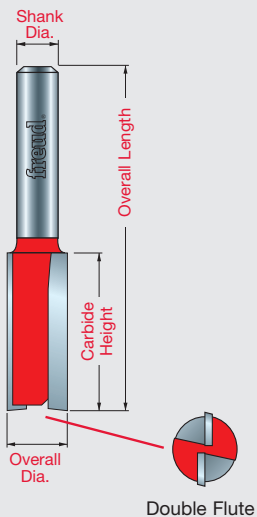
Freud's Eclipse Grind™ provides optimal chip clearance for less build-up; extending the life of the bit while allowing for 2x resharpenings

MATERIALS

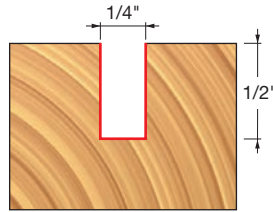


Hardwood Softwood Plywood

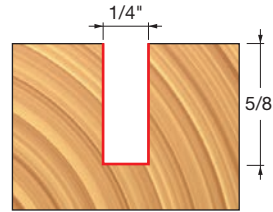
OSB Laminate



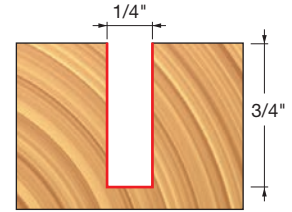
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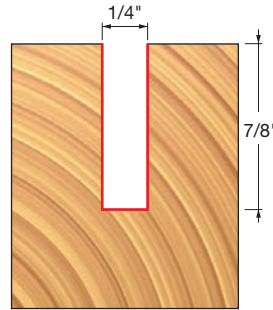
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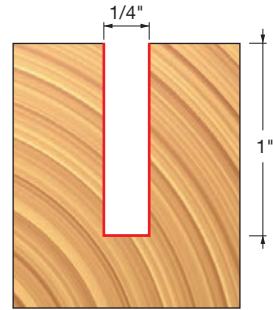
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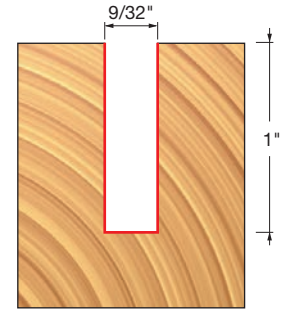
04-106 / 08-106 / 12-100



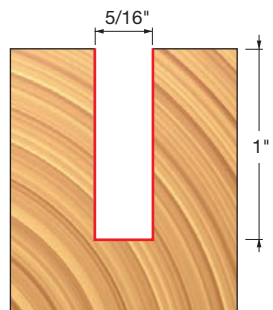
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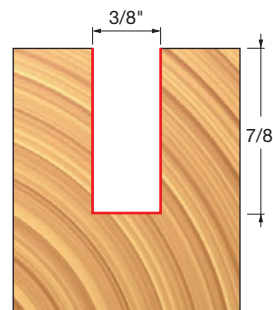
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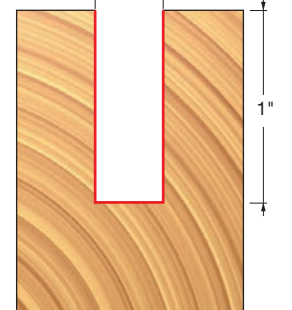
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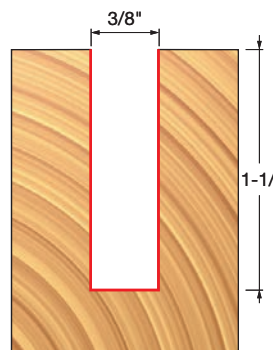
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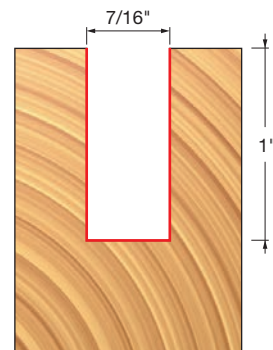
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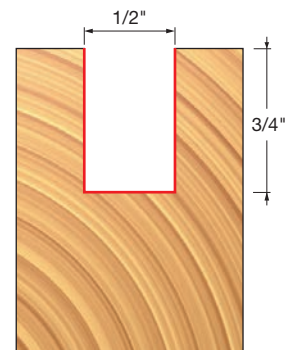
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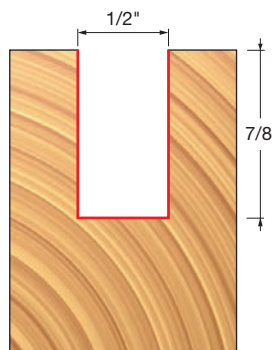
04-126 / 12-110



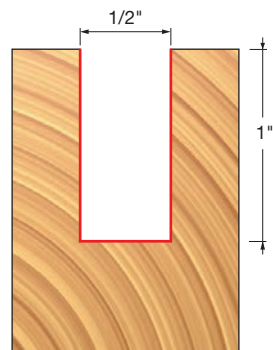
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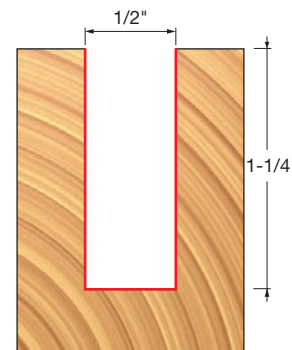
04-130



04-131



04-132 / 08-132 / 12-116



04-133 / 12-118

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

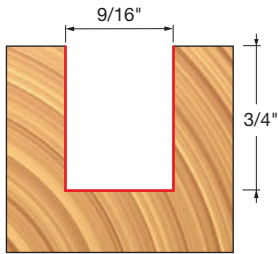
All Profile Drawings 1:1 Scale

Double Flute Straight Bits

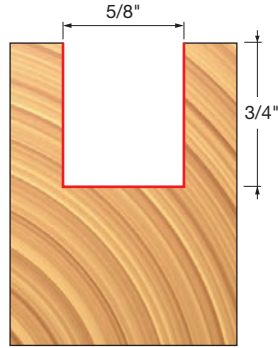


STRAIGHT, SPIRAL & TRIM BITS

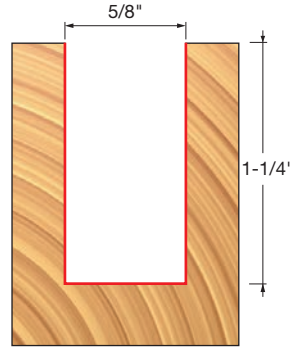
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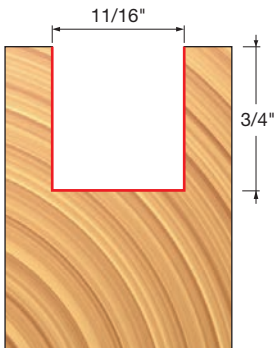
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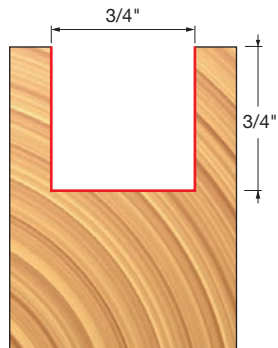
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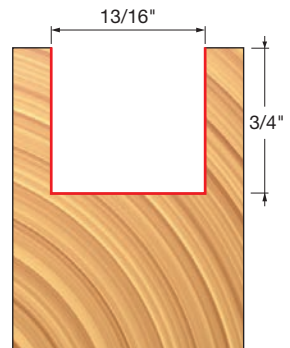
04-137 / 12-138



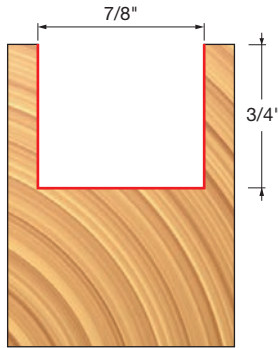
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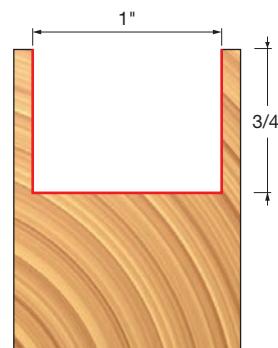
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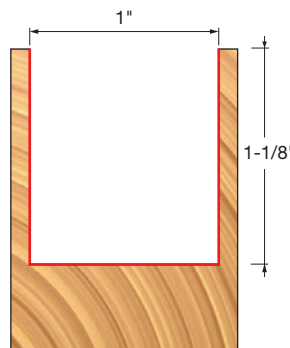
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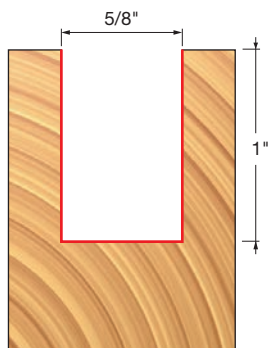
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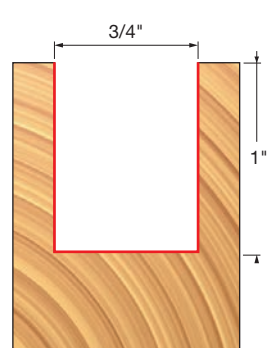
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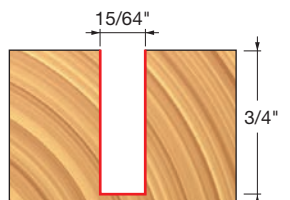
04-156



08-136 / 12-136



08-152 / 12-152



12-096

USE IN



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CNC

APPLICATION

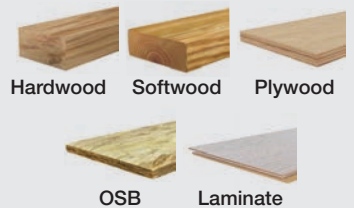
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MATERIALS



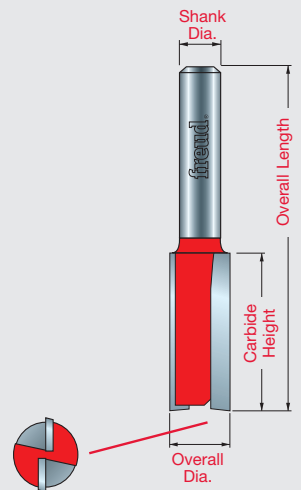
Hardwood

Softwood

Plywood

OSB

Laminate



Double Flute

* Solid Carbide

Red Item Numbers Indicate 1/2" Shank

All Profile Drawings 1:1 Scale

ROUTER BITS