

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

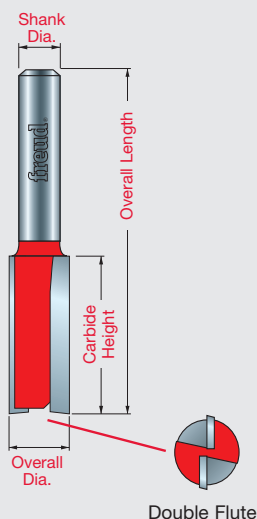
MATERIALS



Hardwood Softwood Plywood



OSB Laminate



Double Flute

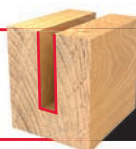
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
04-096**	1/16"	1/4"	1/4"	1-5/8"
04-098**	3/32"	3/8"	1/4"	1-5/16"
04-100**	1/8"	3/8"	1/4"	1-3/4"
04-101**	5/32"	5/8"	1/4"	1-1/2"
04-102**	3/16"	1/2"	1/4"	2"
04-103**	3/16"	5/8"	1/4"	2"
04-104**	1/4"	1/2"	1/4"	2"
04-105**	1/4"	5/8"	1/4"	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

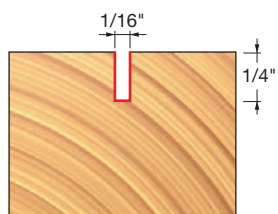
ITEM NUMBER	OVERALL DIA.	CARBIDE HEIGHT	SHANK DIA.	OVERALL LENGTH
12-140*	5/8"	1-1/2"	1/2"	3"
12-142*	5/8"	2"	1/2"	4"
12-148*	11/16"	1-1/4"	1/2"	3"
12-152*	3/4"	1"	1/2"	2-1/2"
12-154*	3/4"	1-1/4"	1/2"	3"
12-156*	3/4"	1-1/2"	1/2"	3"
12-158*	3/4"	2"	1/2"	3-1/2"
12-162*	13/16"	1-1/4"	1/2"	3"
12-168*	7/8"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

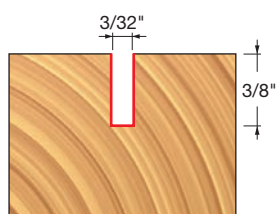
04-111**	7/32"	3/4"	1/4"	2"
04-127*	15/32"	3/4"	1/4"	2"
04-128*	15/32"	7/8"	1/4"	2-3/8"
12-114*	15/32"	1-1/4"	1/2"	2-7/8"
12-135*	19/32"	1-1/4"	1/2"	2-7/8"
12-150*	23/32"	1-1/4"	1/2"	2-7/8"

Metric Version

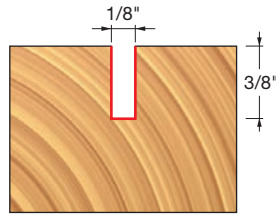
04-502**	2mm	5/32"	1/4"	1-1/2"
04-508**	3mm	5/16"	1/4"	1-3/4"
04-512**	5mm	15/32"	1/4"	2"
04-520*	10mm	1-1/4"	1/4"	2-3/8"
04-528*	12mm	1-1/4"	1/4"	2-3/8"
04-532*	15mm	3/4"	1/4"	2-1/4"
04-536*	15mm	1-1/4"	1/4"	2-5/8"
04-540*	16mm	3/4"	1/4"	2-1/4"
04-544*	16mm	1-1/4"	1/4"	2-5/8"
04-548*	18mm	3/4"	1/4"	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"



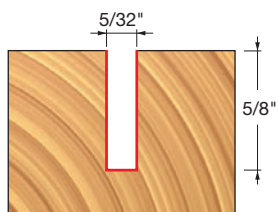
04-096



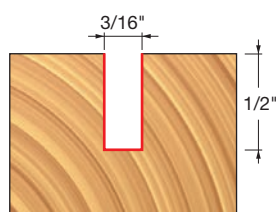
04-098



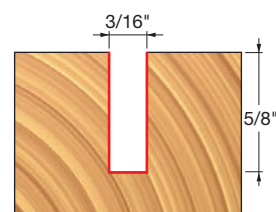
04-100



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



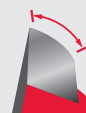
Hand Router



CNC

APPLICATION

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



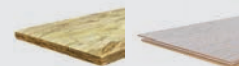
ECLIPSE GRIND

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

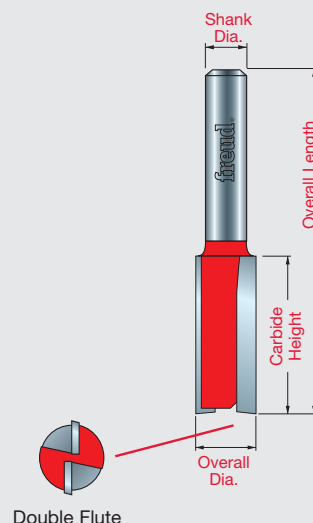
MATERIALS



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

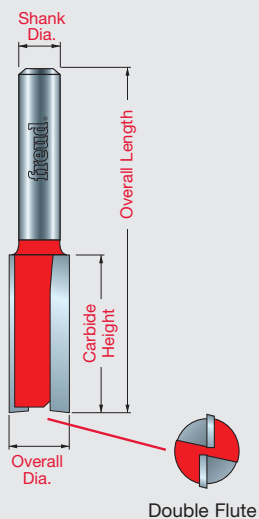
MATERIALS



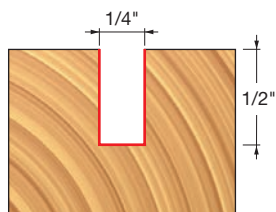
Hardwood Softwood Plywood



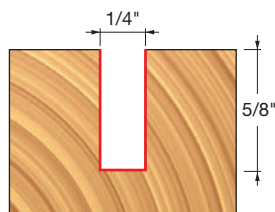
OSB Laminate



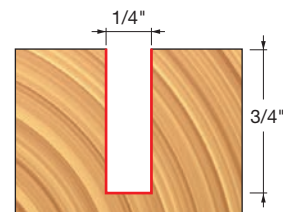
CONTINUED



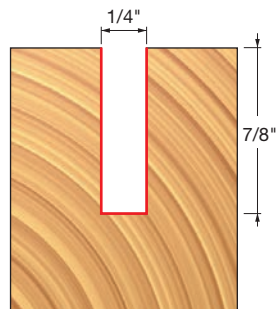
04-104



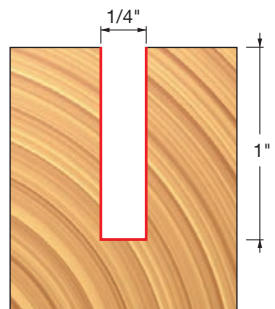
04-105



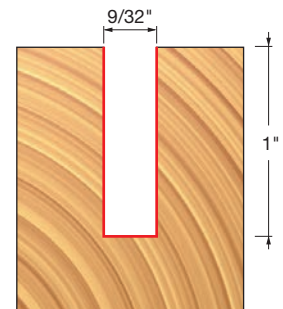
04-106 / 08-106 / 12-100



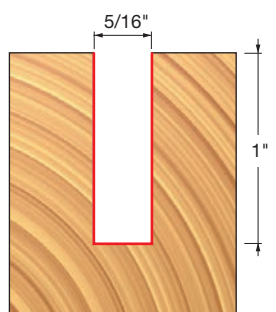
04-107 / 04-109 / 12-102



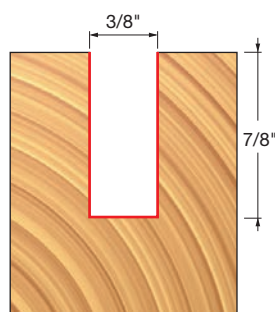
04-108 / 04-110



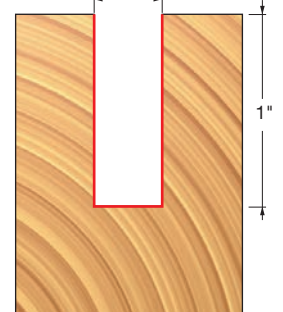
04-112



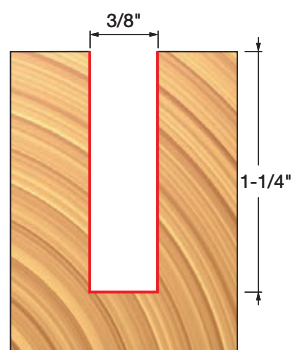
04-118 / 12-106



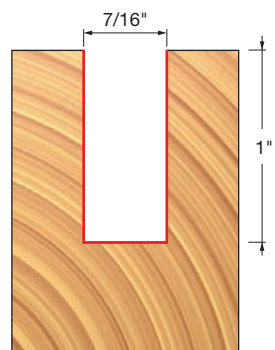
04-120



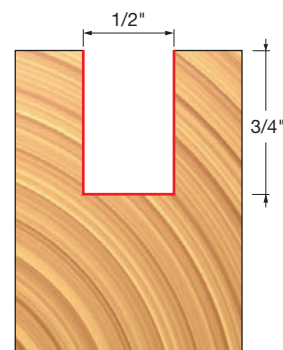
04-124 / 08-124 / 12-108



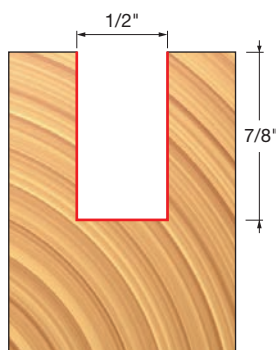
04-126 / 12-110



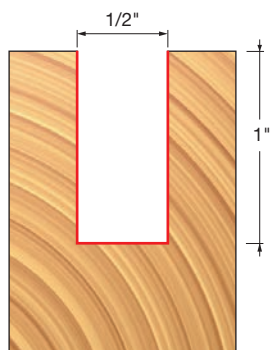
04-129



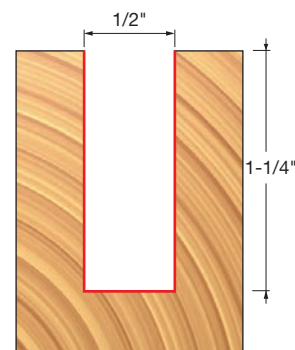
04-130



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