

MITRE LOCK BITS

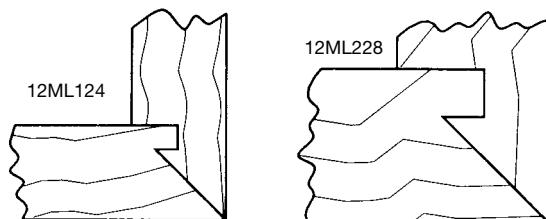
For some time the Mitre Lock Joint has been a problem to accurately produce consistently. The difficulty with the common 'Swiss Pattern' Mitre Lock Cutter is making a square joint, because one panel has to be machined flat and the other panel must be cut in the possibly unstable vertical position.

THIS PROBLEM IS NOW SOLVED!

Both panels are now able to be machined on the flat – where maintenance of accuracy is assured. Note: It is recommended that a router table can be used to assist in the accuracy of cuts.

ALL CUTS ARE PRODUCED WITH THE PANELS ON A HORIZONTAL POSITION.

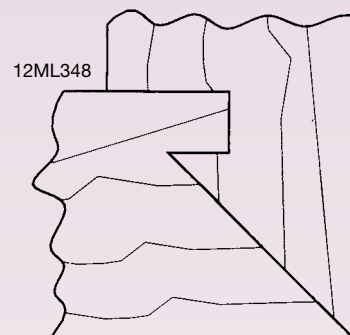
INSTRUCTIONS SUPPLIED.



Product No.	Cutter	Diam.	Material Size	APN
1/4" (6.4mm) Diameter x 1 5/8" (40mm) Long Shank				
12ML124 SET	25mm	1"	9mm to 12mm	9416206160379
12ML124	Spare Mitre Cutter	-	-	9416206160362
12T2064M	Spare Groove Cutter	-	-	9416206000071

Product No.	Cutter	Diam.	Material Size	APN
1/2" (12.7mm) Diameter x 1 5/8" (40mm) Long Shank				
12ML228 SET	39mm	1 9/16"	16mm to 22mm	9416206160737
12ML228	Spare Mitre Cutter	-	-	9416206511492
12T1406M	Spare Groove Cutter	-	-	9416206000491
12ML348 SET	64mm	2 1/2"	22mm to 32mm	9416206160843
12T1408M	Spare Groove Cutter	-	-	9416206000514

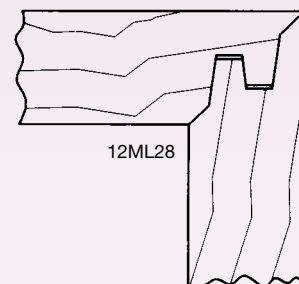
FULL SIZE SHAPE OF CUT



These cutters will make a locking joint at 90°. A good quality router table is important. We also recommend a jig is constructed to hold the panel for the vertical cut.

12,000 RPM MAXIMUM SPEED FOR 12ML28.

Product No.	Cutter	Diameter	Cutting Height	APN
1/2" (12.7mm) Diameter x 1 5/8" (40mm) Long Shank				
12ML28	70mm	2 3/4"	30mm 1 1/8"	9416206160058



STEPS TO PRODUCE A MITRE LOCK JOINT

<p>Step 1</p> <p>First 45° tongue is produced in 'Panel A' using Bit No.1</p>	<p>Step 2</p> <p>Second 45° tongue is produced in 'Panel B' also using Bit No.1</p>	<p>Step 3</p> <p>Trench is produced in 'Panel B' with Bit No.2. A strip of waste is produced.</p>
<p>Step 4</p> <p>Line up 'Panel A' tongue with trench in Panel 'B' then join.</p>	<p>Final Assembly</p>	