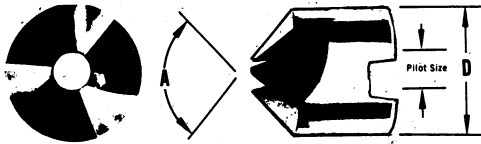


CUTTING TOOLS

BACK COUNTERSINK CUTTERS

Bayonet lock type



MM 290 Back countersink cutters are made from high speed tool steel properly heat treated and ground with proper clearances to insure free cutting. For use in restricted areas where conventional type countersinking tools cannot be used.

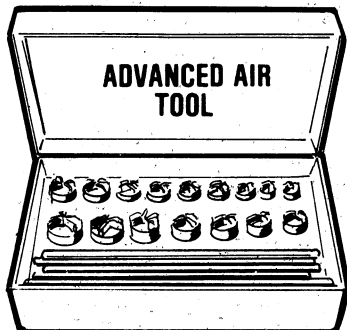
TOOL NO.	DIA	PILOT SIZE
MM 290-1	1/4"	3/32"
MM 290-1B	1/4"	1/8"
MM 290-2	5/16"	1/8"
MM 290-2B	5/16"	5/32"
MM 290-3	3/8"	5/32"
MM 290-3B	3/8"	3/16"
MM 290-4	7/16"	5/32"
MM 290-4B	7/16"	3/16"
MM 290-5	1/2"	3/16"
MM 290-5B	1/2"	1/4"
MM 290-6	9/16"	3/16"
MM 290-6B	9/16"	1/4"
MM 290-7	5/8"	1/4"
MM 290-7B	5/8"	5/16"

WHEN ORDERING PLEASE SPECIFY PART NUMBER AND A-DEGREE. FOR PILOTS REFER TO MM 285. SEE PAGE 80.

SPECIAL DIAMETERS AND PILOT HOLE SIZES AVAILABLE ON SPECIAL ORDER.

TOOL NO.	DIA.	PILOT SIZE
MM290-8J	11/16	3/16
MM290-8K	11/16	1/4
MM290-8L	11/16	5/16
MM290-9J	3/4	1/4
MM290-9K	3/4	5/16
MM290-9L	3/4	3/8
MM290-10J	7/8	1/4
MM290-10K	7/8	5/16
MM290-10L	7/8	3/8
MM290-11J	1	5/16
MM290-11K	1	3/8
MM290-11L	1	1/2
MM290-12J	1-1/4	3/8
MM290-12K	1-1/4	1/2

BACK COUNTERSINK CUTTER KIT



(20 PIECES)

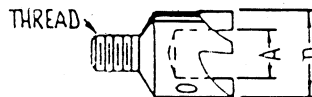
BACK COUNTERSINK CUTTER KIT

Includes:

all MM 290 Countersink cutters
1/4" through 5/8"
with 6 Pilots in Box

#290K20.....

COLLAR REMOVAL CUTTERS



HIGH SPEED STEEL

- For collar removal on Hi-Shear and Huck Fasteners
- 1/4" x 28 Male Threaded Shank

PART NUMBER	"D" DIA.	"A" I.D.	FASTENER TYPE	FASTENER SIZE
MM335-1	.365	.124	HI SHEAR	1/8
MM335-2	.365	.157	HI SHEAR	5/32
MM335-3	.438	.1875	HI SHEAR	3/16
MM335-4	.500	.250	HI SHEAR	1/4
MM335-5	.562	.310	HI SHEAR	5/16
MM335-6	.625	.373	HI SHEAR	3/8
MM335-11	.373	.1875	HUCK	L6 LOCK BOLT

PART NUMBER	"D" DIA.	"A" I.D.	FASTENER TYPE	FASTENER SIZE
MM335-12	.413	.250	HUCK	L8 LOCK BOLT
MM335-13	.372	.265	HUCK	058 BLIND RIVET
MM335-14	.528	.3125	HUCK	L10 LOCK BOLT
MM335-15	.465	.339	HUCK	OS10 BLIND RIVET
MM335-16	.622	.375	HUCK	L12 LOCK BOLT
MM335-17	.550	.397	HUCK	OS12 BLIND RIVET