



HIGH SPEED STEEL

## TAPER PIPE REAMERS

SERIES 535: MEDA

SUPERIOR IMPORT

SERIES 982: SPIRAL FLUTE (LH) - LAVALLEE & IDE

Size	Small End	Large End	Flute Lgth	OAL.	MEDA				LAVALLEE & IDE			
					Straight Flute		Spiral Flute (LH)		Straight Flute		Spiral Flute (LH)	
					Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/16	.245	.291	3/4	2	5350004		5360004		8268039		8218039	
1/8	.316	.362	3/4	2-1/8	5350008		5360008		8268040		8218040	
1/4	.406	.472	1-1/16	2-7/16	5350016		5360016		8268041		8218041	
3/8	.540	.606	1-1/16	2-9/16	5350024		5360024		8268042		8218042	
1/2	.665	.751	1-3/8	3-1/8	5350032		5360032		8268043		8218043	
3/4	.876	.962	1-3/8	3-1/4	5350048		5360048		8268044		8218044	
1	1.103	1.212	1-3/4	3-3/4	5350064		5360064		8268045		8218045	
1-1/4	1.444	1.553	1-3/4	4	5350080		5360980		8268046		8218046	
1-1/2	1.684	1.793	1-3/4	4-1/4	5350096		5360096		8268047		8218047	
2	2.159	2.268	1-3/4	4-1/2	5350200		5360200		8268048		8218048	
2-1/2	2.722	2.561	2-5/8	5-1/2	5350232		5360232		8268049		8218049	
3	3.380	3.202	2-3/4	6	5350300		5360300		8268050		8218050	

Spiral Flute



## TAPER PIPE REAMER SETS



- Each set is supplied in a plastic pouch with reamer sizes clearly marked.
- Designed for reaming holes to be tapped with American standard taper pipe taps (NPT). • 3/4" Taper per foot. • Generally used by hand.
- Available with straight or spiral flutes and square shank. • Made from High Speed Steel.

Range	No. of Pieces	Straight Flute		Spiral Flute	
		Order No.	Price	Order No.	Price
1/4, 3/8, 1/2, 3/4 and 1"	5	5350015		5360015	

HIGH SPEED STEEL / 3 FLUTE, STRAIGHT SHANK

## SOLID PILOT COUNTERBORES

SERIES 75: For Cap Screws - Machine Screw, Fractional, and Metric Sizes



Size	Pilot Dia.	Cutting Dia.	Shank Dia.	Overall Length	Order No.	Price
No.5	.141	.221	3/16	3	1235005	
No.6	.150	.242	7/32	3	1235006	
No.8	11/64	19/64	1/4	3	1235008	
No.10	13/64	21/64	5/16	3-1/2	1235010	
1/4	9/32	13/32	3/8	5	1235016	
5/16	11/32	1/2	7/16	5	1235020	
3/8	13/32	19/32	1/2	6	1235024	
7/16	15/32	11/16	1/2	7	1235028	
1/2	17/32	25/32	3/4	7-1/2	1235032	
5/8	21/32	31/32	3/4	7-1/2	1235040	
3/4	13/16	1-3/16	1	8	1235048	
7/8	15/16	1-3/8	1	8	1235056	
1	1-1/16	1-9/16	1	10	1235064	

Size	Pilot Dia.	Cutter Dia.	Cutter Length	Shank Dia.	Order No.	Price
M3	3.4	6	25.400	5.556	1236003	
M4	4.5	8	25.400	7.938	1236004	
M5	5.5	10	31.750	9.525	1236005	
M6	6.6	11	34.925	11.112	1236006	
M8	9	15	38.894	12.700	1236008	
M10	11	18	44.450	12.700	1236010	
M12	14	20	50.800	12.700	1236012	
M14*	15	24	60.325	MT2	1236014	
M16*	17	26	79.375	MT2	1236016	
M20*	21	33	79.375	MT2	1236020	

\* Taper Shank

See next page for sets

HIGH SPEED STEEL / 2 FLUTE, STRAIGHT SHANK

## SOLID PILOT COUNTERBORES

SERIES 74: For Fillister Head Screws - Machine Screw Sizes and Fractional Sizes



	Screw Size	Pilot Size	Cutting Size	Shank Dia.	Overall Length	Order No.	Price	
Machine Screw Sizes	0	.059	.110		2-1/2	1230000		
	1	.072	.133		2-1/2	1230001		
	2	.085	.155	.1875	2-1/2	1230002		
	3	.098	.176	.1875	2-1/2	1230003		
	4	.111	.198	.2500	2-5/8	1230004		
	5	.124	.220	.2500	2-5/8	1230005		
	6	.137	.241	.2500	2-5/8	1230006		
	8	.163	.285	.3125	2-3/4	1230008		
	10	.189	.328	.3750	2-7/8	1230010		
	12	.215	.372	.3750	3	1230012		
	Fractional Sizes	1/4	1/4	13/32	5/16	3-5/8	1230016	
		5/16	5/16	15/32	3/8	4	1230020	
3/8		3/8	19/32	7/16	4-3/8	1230024		
7/16		7/16	21/32	1/2	4-3/4	1230028		
	1/2	1/2	25/32	9/16	5-1/8	1230032		

Contains 1 piece each. Supplied in Wood Block		Order No.	Price
5 Piece Set: No.2, No.4, No.6, No.8, No.10		1230025	
4 Piece Set: 1/4", 5/16", 3/8", 1/2"		1230124	

**HIGH SPEED STEEL / 3 FLUTE, TAPER SHANK**  
**SOLID PILOT COUNTERBORES**  
 SERIES 75: For Cap Screws



**HIGH SPEED STEEL / 3 FLUTE, STRAIGHT SHANK**  
**SOLID COUNTERBORE SETS**  
 SERIES 75: For Cap Screws



Size	Pilot Dia.	Cutter Dia.	Shank Taper	Overall Length	Order No.	Price
1/4	9/32	13/32	2 MT	5-3/4	1237016	
5/16	11/32	1/2	2 MT	6	1237020	
3/8	13/32	19/32	2 MT	6-1/2	1237024	
7/16	15/32	11/16	2 MT	7	1237028	
1/2	17/32	25//32	2 MT	7-1/4	1237032	
5/8	21/32	31/32	2 MT	7-1/2	1237040	
5/8	11/16	1	2 MT	7-1/2	1237041	
3/4	13/16	1-3/16	3 MT	9	1237048	
7/8	15/16	1-3/8	3 MT	9	1237056	
1	1-1/16	1-9/16	3 MT	10	1237064	



Supplied on wooden block.

No. of Pieces	Sizes Included	Order No.	Price
4	#6, #8 #10, 1/4	1235400	
4	1/4, 5/16, 3/8, 1/2	1235450	
7	#6, #8, #10, 1/4, 5/16, 3/8, 1/2	1235700	
7	M3, M4, M5, M6, M8, M10, M12	1235800	



**PILOTS FOR INTERCHANGEABLE COUNTERBORES** SERIES 73:

Pilot Dia.	3/32 Shank Dia.		5/32 Shank Dia.		3/16 Shank Dia.		1/4 Shank Dia.		5/16 Shank Dia.		3/8 Shank Dia.		7/16 Shank Dia.		1/2 Shank Dia.	
	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price	Order No.	Price
1/8	1700081		-		-		-		-		-		-		-	
5/32	1700101		1700102		-		-		-		-		-		-	
3/16	1700121		1700122		1700123		-		-		-		-		-	
7/32	1700141		1700142		1700143		-		-		-		-		-	
1/4	1700161		1700162		1700163		1700164		-		1700166		-		-	
9/32	1700181		1700182		1700183		1700184		-		-		-		-	
5/16	1700201		1700202		1700203		1700204		-		-		-		-	
11/32	1700221		1700222		1700223		1700224		1700225		-		-		-	
3/8	1700241		1700242		1700243		1700244		1700245		-		-		-	
13/32	1700261		1700262		1700263		1700264		1700265		1700266		-		-	
7/16			1700282		1700283		1700284		1700285		1700286		-		-	
15/32			1700302		1700303		1700304		1700305		1700306		-		-	
1/2			1700322		1700323		1700324		1700325		1700326		1700327		-	
17/32					1700343		1700344		1700345		1700346		1700347		1700348	
9/16					1700363		1700364		1700365		1700366		1700367		1700368	
19/32					1700383		1700384		1700385		1700386		1700387		1700389	
5/8					1700403		1700404		1700405		1700406		1700407		1700408	
21/32					1700423		1700424		1700425		1700426		1700427		1700428	
11/16					1700443		1700444		1700445		1700446		1700447		1700448	
23/32					1700463		1700464		1700465		1700466		1700467		1700468	
3/4					1700483		1700484		1700485		1700486		1700487		1700488	
13/16					1700523		1700524		1700525		1700526		1700527		1700528	
7/8					1700563		1700564		1700565		1700566		1700567		1700568	
15/16					1700603		-		1700605		1700606		1700607		1700608	
1					1700643		1700644		1700645		1700646		1700647		1700648	
1-1/16									1700685		1700686		1700687		1700688	
1-1/8									1700725		1700726		1700727		1700728	
1-3/16									1700765		1700766		1700767		1700768	
1-1/4											1700806		1700807		1700808	
1-5/16											1700846		1700847		1700848	
1-3/8											1700886		1700887		1700888	
1-7/16											1700926		1700927		1700928	
1-1/2													1700967		1700968	
1-9/16													1701377		1701378	
1-5/8													1701407		1701408	
1-11/16													1701447		1701448	
1-3/4													1701487		1701488	
1-13/16													1701527		1701528	
1-7/8													1701567		1701568	
1-15/16															1701608	
2															1702008	
2-1/16															1702048	
2-1/8															1702088	
2-3/16															1702128	
2-1/4															1702168	
2-5/16															1702208	
2-3/8															1702248	
2-7/16															1702288	
2-1/2															1702328	
2-9/16															1702368	
2-5/8															1702408	
2-11/16															1702448	
2-3/4															1702488	
2-13/16															1702528	
2-7/8															1702568	
2-15/16															1702608	
3															1703008	

Many of these sizes are available. See our website or inquire.

Interchangeable Pilot Counterbores see page 90.

1/8" Shank Diameter pilots available. See our website or inquire.

HIGH SPEED STEEL

## COUNTERBORES FOR INTERCHANGEABLE PILOTS

SERIES 72: STRAIGHT SHANK AND TAPER SHANK

AIRCRAFT COUNTERBORES are available. See our website or inquire.



CUTTING TOOLS - REAMERS

Size	Overall Length	Shank (Taper) Size (Shank)	Pilot Hole Dia.	Straight Shank		Taper Shank	
				Order No.	Price	Order No.	Price
3/16	3	15/64 x 2-3/8 (1)	3/32	1225012	-	1226012	-
13/64	3	15/64 x 2-3/8	3/32	1225013	-	-	-
7/32	3	15/64 x 2-3/8 (1)	3/32	1225014	-	1226014	-
15/64	3-13/16	15/64 x 3-1/16	3/32	1225015	-	-	-
1/4	3-13/16	15/64 x 3-1/16 (1)	3/32	1225016	-	1226016	-
17/64	3-13/16	17/64 x 3-1/16	3/32	1225017	-	-	-
9/32	3-13/16	17/64 x 3-1/16 (1)	3/32	1225018	-	1226018	-
19/64	3-13/16	17/64 x 3-1/16	3/32	1225019	-	-	-
5/16	3-13/16	19/64 x 3-1/16(1)	3/32	1225020	-	1226020	-
21/64	3-13/16	5/16 x 3-1/16	3/32	1225021	-	-	-
11/32	3-13/16	5/16 x 3-1/16 (1)	3/32	1225022	-	1226022	-
23/64	4-1/16	5/16 x 3-1/16	5/32	1225023	-	-	-
3/8	4-1/16	5/16 x 3-1/16 (1)	5/32	1225024	-	1226024	-
25/64	4-1/16	3/8 x 3-1/16	5/32	1225025	-	-	-
13/32	4-1/16	3/8 x 3-1/16 (1)	5/32	1225026	-	1226026	-
27/64	4-1/16	3/8 x 3-1/16	5/32	1225027	-	-	-
7/16	4-1/16	3/8 x 3-1/16 (1)	5/32	1225028	-	1226028	-
29/64	4-5/16	7/16 x3-1/16	3/16	1225029	-	-	-
15/32	4-5/16	7/16 x3-1/16 (1)	3/16	1225030	-	1226030	-
31/64	4-5/16	7/16 x3-1/16	3/16	1225031	-	-	-
1/2	4-5/16	7/16 x3-1/16 (1)	3/16	1225032	-	1226032	-
33/64	4-5/16	1/2 x 3-1/16	3/16	1225033	-	-	-
17/32	4-5/16	1/2 x 3-1/16 (2)	3/16	1225034	-	1226034	-
35/64	4-5/16	1/2 x 3-1/16	3/16	1225035	-	-	-
9/16	4-5/16	1/2 x 3-1/16(2)	3/16	1225036	-	1226036	-
37/64	5-1/8	1/2 x 3-7/8	3/16	1225037	-	-	-
19/32	5-1/8	1/2 x 3-7/8 (2)	3/16	1225038	-	1226038	-
39/64	5-1/8	1/2 x 3-7/8	3/16	1225039	-	-	-
5/8	5-1/8	1/2 x 3-7/8 (2)	3/16	1225040	-	1226040	-
41/64	5-1/8	1/2 x 3-7/8	3/16	1225041	-	-	-
21/32	5-1/8	1/2 x 3-7/8 (2)	3/16	1225042	-	1226042	-
43/64	5-1/8	1/2 x 3-7/8	3/16	1225043	-	-	-
11/16	5-1/8	1/2 x 3-7/8 (2)	3/16	1225044	-	1226044	-
45/64	5-3/8	1/2 x 3-7/8	1/4	1225045	-	-	-
23/32	5-3/8	1/2 x 3-7/8 (2)	1/4	1225046	-	1226046	-
47/64	5-3/8	1/2 x 3-7/8	1/4	1225047	-	-	-
3/4	5-3/8	1/2 x 3-7/8 (2)	1/4	1225048	-	1226048	-
49/64	5-3/8	5/8 x 3-7/8	1/4	1225049	-	-	-
25/32	5-3/8	5/8 x 3-7/8 (2)	1/4	1225050	-	1226050	-
51/64	5-3/8	5/8 x 3-7/8	1/4	1225051	-	-	-
13/16	5-3/8	5/8 x 3-7/8 (2)	1/4	1225052	-	1226052	-
53/64	5-3/8	3/4 x 3-7/8	1/4	1225053	-	-	-
27/32	5-3/8	3/4 x 3-7/8 (2)	1/4	1225054	-	1226054	-
55/64	5-3/8	3/4 x 3-7/8	1/4	1225055	-	-	-
7/8	5-3/8	3/4 x 3-7/8 (2)	1/4	1225056	-	1226056	-
57/64	6-1/8	3/4 x 4-5/8	1/4	1225057	-	-	-
29/32	6-1/8	3/4 x 4-5/8 (2)	1/4	1225058	-	1226058	-
59/64	6-1/8	3/4 x 4-5/8	1/4	1225059	-	-	-
15/16	6-1/8	3/4 x 4-5/8 (3)	1/4	1225060	-	1226060	-
61/64	6-3/8	3/4 x 4-5/8	5/16	1225061	-	-	-
31/32	6-3/8	3/4 x 4-5/8 (3)	5/16	1225062	-	1226062	-
63/64	6-3/8	3/4 x 4-5/8	5/16	1225063	-	-	-
1	6-3/8	3/4 x 4-5/8 (3)	5/16	1225064	-	1226064	-
1-1/16	6-3/8	3/4 x 4-5/8 (3)	5/16	1225068	-	1226068	-
1-1/8	6-3/8	1 x 4-5/8 (3)	5/16	1225072	-	1226072	-
1-3/16	6-3/8	1 x 4-5/8 (3)	5/16	1225076	-	1226076	-
1-1/4	6-5/8	1 x 4-5/8 (3)	3/8	1225080	-	1226080	-
1-5/16	6-5/8	1 x 4-5/8 (3)	3/8	1225084	-	1226084	-
1-3/8	6-5/8	1 x 4-5/8 (3)	3/8	1225088	-	1226088	-
1-7/16	7-7/8	1-1/4 x 5-7/8 (4)	3/8	1225092	-	1226092	-

Size	Overall Length	Shank Size	Pilot Hole Dia.	Straight Shank	
				Order No.	Price
1-1/2	7-7/8	1-1/4 x 5-7/8	3/8	1225096	-
1-9/16	8-1/8	1-1/4 x 5-7/8	7/16	1225136	-
1-5/8	8-1/8	1-1/4 x 5-7/8	7/16	1225140	-
1-11/16	8-1/8	1-1/4 x 5-7/8	7/16	1225144	-
1-3/4	8-1/8	1-1/4 x 5-7/8	7/16	1225148	-
1-13/16	8-1/8	1-1/2 x 5-7/8	7/16	1225152	-
1-7/8	8-1/8	1-1/2 x 5-7/8	7/16	1225156	-
1-15/16	8-1/8	1-1/2 x 5-7/8	7/16	1225160	-
2	8-3/8	1-1/2 x 5-7/8	1/2	1225200	-
2-1/8	9-7/8	1-1/2 x 7-3/8	1/2	1225208	-
2-3/16	9-7/8	1-1/2 x 7-3/8	1/2	1225212	-
2-1/4	9-7/8	1-1/2 x 7-3/8	1/2	1225216	-
2-3/8	9-7/8	1-3/4 x 7-3/8	1/2	1225224	-
2-1/2	9-7/8	1-3/4 x 7-3/8	1/2	1225232	-
2-5/8	9-7/8	1-3/4 x 7-3/8	1/2	1225240	-
2-7/8	9-7/8	1-3/4 x 7-3/8	1/2	1225256	-

Size	Overall Length	Shank Size (Taper Shank)	Pilot Hole Dia.	Taper Shank	
				Order No.	Price
1-1/2	7-7/8	1-1/4 x 5-7/8 (4)	3/8	1226096	-
1-9/16	8-1/8	1-1/4 x 5-7/8 (4)	7/16	1226136	-
1-5/8	8-1/8	1-1/4 x 5-7/8 (4)	7/16	1226140	-
1-11/16	8-1/8	1-1/4 x 5-7/8 (4)	7/16	1226144	-
1-3/4	8-1/8	1-1/4 x 5-7/8 (4)	7/16	1226148	-
1-13/16	8-1/8	1-1/2 x 5-7/8 (4)	7/16	1226152	-
1-7/8	8-1/8	1-1/2 x 5-7/8 (4)	7/16	1226156	-
1-15/16	8-1/8	1-1/2 x 5-7/8 (4)	7/16	1226160	-
2	8-3/8	1-1/2 x 5-7/8 (4)	1/2	1226200	-
2-1/16	9-7/8	1-1/2 x 7-3/8 (5)	1/2	1226204	-
2-1/8	9-7/8	1-1/2 x 7-3/8 (5)	1/2	1226208	-
2-3/16	9-7/8	1-1/2 x 7-3/8 (5)	1/2	1226212	-
2-1/4	9-7/8	1-1/2 x 7-3/8 (5)	1/2	1226216	-
2-5/16	9-7/8	1-1/2 x 7-3/8 (5)	1/2	1226220	-
2-3/8	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226224	-
2-7/16	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226228	-
2-1/2	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226232	-
2-9/16	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226236	-
2-5/8	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226240	-
2-3/4	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226248	-
2-7/8	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226256	-
3	9-7/8	1-3/4 x 7-3/8 (5)	1/2	1226300	-

HIGH SPEED STEEL / STRAIGHT SHANK

## COUNTERBORE SET - 40pc.



INCLUDES:

- 13 Counterbores: 1/4" thru 1" by 16ths.
- 26 Pilots: 3/32" shank - 1/8", 5/32", 3/16", 1/4" 5/32" shank - 3/16", 7/32", 1/4", 9/32", 5/16" 3/16" shank - 1/4", 5/16", 3/8", 7/16", 1/2" 1/4" shank - 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" 5/16" shank - 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

Counterbores supplied in fitted case or stand.



	Order No.	Price
Straight Shank	1225000	-
Taper Shank	0878483	-

Straight Shanks Shown