

THREAD STEEL HAWG CARBIDE TIPPED CUTTERS

2" CUTTING DEPTH

- Carbide-tipped multiple alternating inside and outside cutting edges
- For steel, cast iron or aluminum
- 3 times faster than twist drills in steel, stainless or non-ferrous metals



VH110



Dia."	Model No.	Price /Each	Dia."	Model No.	Price /Each	Dia."	Model No.	Price /Each
3/4	VH101	146.00	1 3/16	VH180	462.00	3 3/8	VH241	1083.00
13/16	VH106	158.00	1 7/8	VH185	487.00	3 1/2	VH242	1149.00
7/8	VH110	166.00	1 15/16	VH190	520.00	3 5/8	VH244	1214.00
15/16	VH115	179.00	2	VH194	541.00	3 3/4	VH245	1280.00
1	VH119	195.00	2 1/16	VH198	563.00	3 7/8	VH247	1339.00
1 1/16	VH124	196.00	2 1/8	VH201	586.00	4	VH249	1403.00
1 1/8	VH129	232.00	2 1/4	VH205	612.00	4 1/8	VH250	1415.00
1 3/16	VH133	243.00	2 5/16	VH208	634.00	4 1/4	VH251	1479.00
1 1/4	VH139	248.00	2 3/8	VH210	660.00	4 3/8	VH252	1558.00
1 5/16	VH143	265.00	2 1/2	VH215	688.00	4 1/2	VH253	1639.00
1 3/8	VH148	277.00	2 9/16	VH217	716.00	4 5/8	VH254	1741.00
1 7/16	VH153	318.00	2 5/8	VH220	745.00	4 3/4	VH255	1947.00
1 1/2	VH157	331.00	2 3/4	VH224	774.00	5	VH256	2197.00
1 9/16	VH162	371.00	2 7/8	VH228	853.00	5 1/2	VH257	2804.00
1 5/8	VH166	400.00	3	VH232	896.00	6	VH258	3424.00
1 11/16	VH171	414.00	3 1/8	VH236	954.00			
1 3/4	VH175	441.00	3 1/4	VH239	1022.00			

ARBOR ASSEMBLIES FOR THREADED SHANK STEEL HAWG CUTTERS

3/4" SHANK ARBOR ASSEMBLY

For use on motors **TF328**. Oil hose and hand pump not included.

Model No. VH080 Price/Each \$198.00

NO. 3 MORSE TAPER ASSEMBLY

For use on motors **TF328**. No. 3 Morse taper assembly will allow 3/4" Weldon® style shank cutters to be used with Milwaukee's large magnetic drill stands.

Model No. VH074 Price/Each \$198.00



VH080

NO. 3 MORSE TAPER QUICK ARBOR ASSEMBLY

For use on motors **TF334** and **TF335**.

Oil hose and hand pump not included.

Model No. TEA295 Price/Each \$244.00



TEA295

ANNULAR CUTTERS

- M2 quality high speed steel
- Right-hand cutting direction
- 3/4" Weldon shank

Applications:

- For general purpose cutting of steel plate, structural steel, steel pipe, etc
- 3 to 5x faster cutting than conventional drills
- Produces quality burr-free hole in a single pass
- Ideal for magnetic base drill, drill presses and milling machines



CLARKSON  OSBORN

1" DEPTH OF CUT

2" DEPTH OF CUT

3" DEPTH OF CUT

Fractional Size"	Model No.	Price /Each	Fractional Size"	Model No.	Price /Each	Fractional Size"	Model No.	Price /Each
1/2	TFX101	42.50	1/2	TFX129	68.90	3/4	TFX156	185.00
9/16	TFX102	47.50	9/16	TFX130	74.90	13/16	TFX157	195.00
5/8	TFX103	49.50	5/8	TFX131	81.50	7/8	TFX158	205.00
11/16	TFX104	52.90	11/16	TFX132	89.90	15/16	TFX159	209.00
3/4	TFX105	53.90	3/4	TFX133	93.50	1	TFX160	225.00
13/16	TFX106	60.50	13/16	TFX134	105.00	1 1/16	TFX161	245.00
7/8	TFX107	62.90	7/8	TFX135	105.00	1 1/8	TFX162	255.00
15/16	TFX108	67.50	15/16	TFX136	115.00	1 3/16	TFX163	275.00
1	TFX109	69.90	1	TFX137	115.00	1 1/4	TFX164	305.00
1 1/16	TFX110	73.50	1 1/16	TFX138	125.00	1 5/16	TFX165	335.00
1 1/8	TFX111	79.90	1 1/8	TFX139	135.00	1 3/8	TFX166	365.00
1 3/16	TFX112	82.50	1 3/16	TFX140	139.00	1 7/16	TFX167	369.00
1 1/4	TFX113	109.00	1 1/4	TFX141	159.00	1 1/2	TFX168	385.00
1 5/16	TFX114	115.00	1 5/16	TFX142	165.00	1 9/16	TFX169	405.00
1 3/8	TFX115	149.00	1 3/8	TFX143	185.00	1 5/8	TFX170	435.00
1 7/16	TFX116	165.00	1 7/16	TFX144	195.00	1 11/16	TFX171	445.00
1 1/2	TFX117	169.00	1 1/2	TFX145	199.00	1 3/4	TFX172	465.00
1 9/16	TFX118	179.00	1 9/16	TFX146	215.00	1 13/16	TFX173	499.00
1 5/8	TFX119	185.00	1 5/8	TFX147	225.00	1 7/8	TFX174	539.00
1 11/16	TFX120	199.00	1 11/16	TFX148	239.00	1 15/16	TFX175	549.00
1 3/4	TFX121	215.00	1 3/4	TFX149	245.00	2	TFX176	565.00
1 13/16	TFX122	235.00	1 13/16	TFX150	265.00	2 1/16	TFX177	639.00
1 7/8	TFX123	245.00	1 7/8	TFX151	285.00	-	-	-
1 15/16	TFX124	255.00	1 15/16	TFX152	289.00	-	-	-
2	TFX125	269.00	2	TFX153	299.00	-	-	-
2 1/16	TFX126	289.00	2 1/16	TFX154	329.00	-	-	-
2 1/4	TFX127	375.00	2 1/4	TFX155	389.00	-	-	-

Cut pin required **TFX178**
Price/Each \$8.35

Cut pin required **TFX179**
Price/Each \$9.74

Cut pin required **TFX180**
Price/Each \$17.50