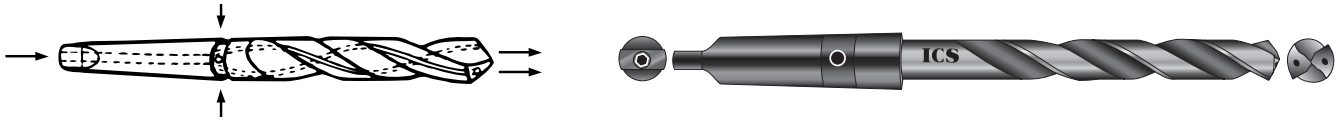


HIGH SPEED STEEL

EXTRA LENGTH TAPER SHANK OIL HOLE DRILLS

ICS USA/ENG SPECIAL PURPOSE 118° POINT



Extra Long Taper Shank Oil Hole Drills are designed for deep hole drilling and where heavy feed conditions are required. Coolant flow virtually eliminates chip packing and other problems common to deep hole drilling applications.

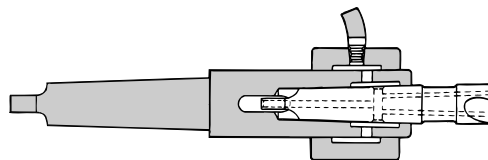
Fractional Sizes (Taper Shank) 31/64 To 1-1/4" Dia.

SIZE	DEC. EQUIV.	PRICE EACH		
		10-1/2" OAL 6" FLUTE OXIDE FINISH 118° PT	12-1/2" OAL 8" FLUTE OXIDE FINISH 118° PT	14-1/2" OAL 10" FLUTE OXIDE FINISH 118° PT
		OHD-10L	OHD-12L	OHD-14L
31/64	.4844	\$343.80	\$ -	\$ -
1/2	.5000	343.80	359.38	427.58
33/64	.5156	343.80	359.38	427.58
17/32	.5312	343.80	359.38	427.58
9/16	.5625	427.58	359.38	427.58
19/32	.5938	427.58	359.38	427.58
5/8	.6250	427.58	359.38	427.58
41/64	.6406	427.58	359.38	427.58
21/32	.6562	427.58	359.38	427.58
11/16	.6875	427.58	359.38	427.58
23/32	.7188	427.58	359.38	427.58
47/64	.7344	427.58	359.38	427.58
3/4	.7500	427.58	359.38	427.58
49/64	.7656	444.42	377.34	554.64

SIZE	DEC. EQUIV.	PRICE EACH		
		10-1/2" OAL 6" FLUTE OXIDE FINISH 118° PT	12-1/2" OAL 8" FLUTE OXIDE FINISH 118° PT	14-1/2" OAL 10" FLUTE OXIDE FINISH 118° PT
		OHD-10L	OHD-12L	OHD-14L
25/32	.7812	\$ 443.70	\$377.34	\$443.70
13/16	.8125	443.70	377.34	443.70
27/32	.8438	443.70	386.96	456.40
7/8	.8750	456.40	391.90	456.40
29/32	.9062	456.40	391.90	464.92
15/16	.9375	464.92	391.90	464.92
31/32	.9688	482.50	412.72	482.50
63/64	.9844	522.48	448.68	522.48
1	1.0000	522.48	448.68	522.48
1-1/32	1.0312	522.48	465.04	540.26
1-1/16	1.0625	540.26	-	674.22
1-1/8	1.1250	677.60	-	677.60
1-3/16	1.1875	726.88	-	726.88
1-1/4	1.2500	806.18	-	806.18

COOLANT INDUCER SOCKET

ICS USA ADAPTER SIDE SHANK FEED



For Adapting Taper Shank Oil Hole Drills To Morse Taper Coolant Fed Adapters. Oil is fed through the side of shank via internal oil holes within adapter. Adapter is designed with a slip ring to which the oil line can be connected when drill is rotating.

ITEM NO.	MORSE TAPER HOLE & SHANK SIZE	OVERALL LENGTH	PRICE EACH
CIS #2	2	6-7/8	\$ 109.76
CIS #3	3	8-1/2	126.00
CIS #4	4	10-1/2	306.88
CIS #5	5	13-3/4	543.20

**NOTE**  
When side shank feed is used, set screw must remain in end of tang to block off tang end oil feed hole. To use tang end feed, simply remove set screw and insert into end feed holder. Side shank feed hole does not need to be blocked when using tang end feed.