



For general purpose applications in a variety of materials and for drilling in applications where added toughness is required such as unstable set ups on manual machines or cross hole drilling.

■ HSS (M4) SPADE DRILL							
Series Min. to Max (mm/in)	Diameter		TIN	TIN	TiAlN	TiAlN	
	Inch Metric	Decimal (in)	Coated Code No.	Coated Price \$	Coated Code No.	Coated Price \$	
1	45/64"	.7031"	162-360	34.20	162-500	40.90	
	18mm	.7087"	162-361	34.20	162-501	40.90	
	23/32"	.7188"	162-362	34.20	162-502	40.90	
	18.50mm	.7283"	162-363	34.20	162-503	40.90	
	47/64"	.7344"	162-364	34.20	162-504	40.90	
	19mm	.7480"	162-365	34.20	162-505	40.90	
	3/4"	.7500"	162-366	34.20	162-506	40.90	
	49/64"	.7656"	162-368	34.20	162-508	40.90	
	19.50mm	.7677"	162-369	34.20	162-509	40.90	
	25/32"	.7813"	162-370	34.20	162-510	40.90	
	.690"	20.00mm	.7874"	162-371	34.20	162-511	40.90
	to	51/64"	.7969"	162-373	34.20	162-513	40.90
	.960"	20.50mm	.8071"	162-375	34.20	162-515	40.90
	(5/32")	13/16"	.8125"	162-372	34.20	162-512	40.90
	Thick	21mm	.8268"	162-377	34.20	162-517	40.90
		27mm	.8438"	162-374	34.20	162-514	40.90
		55/64"	.8594"	162-379	34.20	162-519	40.90
		22mm	.8661"	162-381	34.20	162-521	40.90
		7/8"	.8750"	162-376	34.20	162-516	40.90
		57/64"	.8906"	162-383	34.20	162-523	46.88
		23mm	.9055"	162-385	34.20	162-525	40.90
		29/32"	.9063"	162-378	34.20	162-518	40.90
		59/64"	.9219"	162-380	34.20	162-520	40.90
		15/16"	.9375"	162-382	34.20	162-522	40.90
	24mm	.9449"	162-387	34.20	162-527	48.00	
2	31/32"	.9688"	162-384	40.10	162-524	46.90	
	63/64"	.9843"	162-386	40.10	162-526	48.00	
	1"	1.0000"	162-388	40.10	162-528	48.00	
	1-1/64"	1.0156"	162-390	40.10	162-530	48.00	
	26mm	1.0236"	162-391	40.10	162-531	48.00	
	1-1/32"	1.0313"	162-392	40.10	162-532	48.00	
	1-3/64"	1.0469"	162-393	40.10	162-533	48.00	
	1-1/16"	1.0625"	162-394	40.10	162-534	48.00	
	.961"	27mm	1.0630"	162-395	40.10	162-535	48.00
	to	1-3/32"	1.0938"	162-396	40.10	162-536	48.00
	1.380"	28mm	1.1024"	162-397	40.10	162-537	48.00
	(3/16")	1-7/64"	1.1094"	162-399	40.10	162-539	48.00
	Thick	1-1/8"	1.1250"	162-398	40.10	162-538	48.00
		29mm	1.1417"	162-403	40.10	162-541	48.00
		1-5/32"	1.1563"	162-400	40.10	162-540	48.00
		30mm	1.1811"	162-404	40.10	162-543	48.00
		1-3/16"	1.1875"	162-401	40.10	162-542	48.00
		1-7/32"	1.2188"	162-402	40.10	162-544	48.00
		31mm	1.2205"	162-405	40.10	162-545	48.00

■ HSS (M4) SPADE DRILL							
Series Min. to Max (mm/in)	Diameter		TIN	TIN	TiAlN	TiAlN	
	Inch Metric	Decimal (in)	Coated Code No.	Coated Price \$	Coated Code No.	Coated Price \$	
2	1-1/4"	1.2500"	162-406	40.10	162-546	48.00	
	32mm	1.2598"	162-407	40.10	162-547	48.00	
	1-9/32"	1.2813"	162-408	40.10	162-548	48.00	
	2	33mm	1.2992"	162-409	40.10	162-549	48.00
	.961"	1-5/16"	1.3125"	162-410	40.10	162-550	48.00
	to	34mm	1.3386"	162-411	40.10	162-551	48.00
	1.380"	1-11/32"	1.3438"	162-412	40.10	162-552	48.00
	(3/16")	1-3/8"	1.3750"	162-414	40.10	162-554	48.00
	Thick	35mm	1.3780"	162-415	40.10	162-555	48.00
		1-13/32"	1.4063"	162-416	49.80	162-558	59.80
		36mm	1.4173"	162-417	49.80	162-559	59.80
		1-7/16"	1.4375"	162-418	49.80	162-560	59.80
3	37mm	1.4567"	162-419	49.80	162-561	59.80	
	1-15/32"	1.4688"	162-420	49.80	162-562	59.80	
	38mm	1.4961"	162-421	49.80	162-563	59.80	
	1-1/2"	1.5000"	162-422	49.80	162-564	59.80	
	1-17/32"	1.5313"	162-424	49.80	162-566	59.80	
	39mm	1.5354"	162-425	49.80	162-567	59.80	
	1-9/16"	1.5625"	162-426	49.80	162-568	59.80	
	3	40mm	1.5748"	162-427	49.80	162-569	59.80
	1.353"	1-19/32"	1.5938"	162-428	49.80	162-570	59.80
	to	41mm	1.6142"	162-429	49.80	162-571	59.80
	1.882"	1-5/8"	1.6250"	162-430	49.80	162-572	59.80
	(1/4")	42mm	1.6535"	162-431	49.80	162-573	59.80
Thick	1-21/32"	1.6563"	162-432	49.80	162-574	59.80	
	1-11/16"	1.6875"	162-434	49.80	162-576	59.80	
	43mm	1.6929"	162-435	49.80	162-577	59.80	
	1-23/32"	1.7188"	162-436	49.80	162-578	59.80	
	44mm	1.7323"	162-437	49.80	162-579	59.70	
	1-3/4"	1.7500"	162-438	49.80	162-580	59.80	
	45mm	1.7717"	162-439	49.80	162-581	59.80	
	1-25/32"	1.7813"	162-440	49.80	162-582	59.80	
	46mm	1.8110"	162-441	49.80	162-583	59.80	
	1-13/16"	1.8125"	162-442	49.80	162-584	59.80	
	1-27/32"	1.8438"	162-444	49.80	162-586	59.80	
	47mm	1.8504"	162-445	49.80	162-587	59.80	
	1-7/8"	1.8750"	162-446	49.80	162-588	59.80	
4	1-29/32"	1.9063"	162-448	59.00	162-590	70.80	
	1.850"	1-15/16"	1.9375"	59.00	162-592	70.80	
	to	1-31/32"	1.9688"	59.00	162-594	70.80	
	2.570"	2"	2.0000"	59.00	162-596	70.80	
	(5/16")	2-1/32"	2.0313"	59.00	162-598	70.80	
	Thick	2-3/64"	2.0472"	59.00	162-600	70.80	
		2-1/16"	2.0625"	59.00	162-602	70.80	

# HSS-M4 DRILL INSERTS



For general purpose applications in a variety of materials and for drilling in applications where added toughness is required such as unstable set ups on manual machines or cross hole drilling.

■ HSS (M4) SPADE DRILL						
Series Min. to Max (mm/in)	Diameter		TIN	TIN	TiAlN	TiAlN
	Inch Metric	Decimal (in)	Coated Code No.	Coated Price \$	Coated Code No.	Coated Price \$
4 1.850" to 2.570" (5/16") Thick	2-3/32"	2.0938"	162-462	59.00	162-604	70.80
	2-1/8"	2.1250"	162-464	59.00	162-606	70.80
	2-5/32"	2.1563"	162-466	59.00	162-608	70.80
	2-3/16"	2.1875"	162-468	59.00	162-610	70.80
	2-7/32"	2.2188"	162-470	59.00	162-612	70.80
	2-1/4"	2.2500"	162-472	59.00	162-614	70.80
	2-9/32"	2.2813"	162-474	59.00	162-616	70.80
	2-5/16"	2.3125"	162-476	59.00	162-618	70.80
	2-11/32"	2.3438"	162-478	59.00	162-620	70.80
	2-3/8"	2.3750"	162-480	59.00	162-622	70.80
	2-13/32"	2.4063"	162-482	59.00	162-624	70.80
	2-7/16"	2.4375"	162-484	59.00	162-626	70.80
	2-15/32"	2.4688"	162-486	59.00	162-628	70.80
	2-1/2"	2.5000"	162-488	59.00	162-630	70.80
	2-17/32"	2.5313"	162-490	59.00	162-632	70.80
	2-9/16"	2.5625"	162-492	59.00	162-634	70.80
5 2.456" to 3.000" (7/16") Thick	2-1/2"	2.5000"	162-900	91.00	TiAlN not stocked but available on request.	
	2-5/8"	2.6250"	162-912	91.00		
	2-3/4"	2.7500"	162-922	91.00		
	2-25/32"	2.7813"	162-926	91.00		
	2-13/16"	2.8125"	162-928	91.00		
	2-27/32"	2.8438"	162-932	91.00		
	2-7/8"	2.8750"	162-934	91.00		
	2-29/32"	2.9063"	162-936	91.00		
2-15/16"	2.9375"	162-940	91.00			
2-31/32"	2.9688"	162-942	91.00			
3"	3.0000"	162-946	91.00			
6 3.001" to 3.507" (7/16") Thick	3-1/16"	3.0625"	162-950	105.30		
	3-1/8"	3.1250"	162-956	105.30		
	3-1/4"	3.2500"	162-968	105.30		
	3-3/8"	3.3750"	162-978	105.30		
	3-7/16"	3.4375"	162-984	105.30		
3-1/2"	3.5000"	162-990	105.30			
7 3.455" to 4.0" (7/16") Thick	3-9/16"	3.5625"	162-991	125.90		
	3-5/8"	3.6250"	163-002	125.90		
	3-3/4"	3.7500"	163-012	125.90		
	3-7/8"	3.8750"	163-024	125.90		
4"	4.0000"	163-034	125.90			

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