

FLY CUTTERS, STRAIGHT SHANK

Set comes with wooden stand

Order No.	Shank Size	Head Dia.	Tool Bit Size	Piece/Set
202-0020	1/2"	3/4"	3/16"	3pcs
	1/2"	1-1/8"	1/4"	
	1/2"	1-3/8"	5/16"	
202-0021	3/4"	1-1/2"	5/16"	3pcs
	3/4"	2"	5/16"	
	3/4"	2-1/2"	5/16"	
202-0022	1/2"	3/4"	3/16"	5pcs
	1/2"	1-1/8"	1/4"	
	1/2"	1-3/8"	5/16"	
	1/2"	2"	3/8"	
	5/8"	2-1/2"	1/2"	
202-0023	1/2"	3/4"	3/16"	6pcs
	1/2"	1-1/8"	1/4"	
	1/2"	1-3/8"	5/16"	
	3/4"	1-1/2"	5/16"	
	3/4"	2"	5/16"	
	3/4"	2-1/2"	5/16"	



Individual Size

Order No.	Shank Size	Head Dia.	Tool Bit Size
202-0001	1/2"	7/8"	3/16"
202-0002	1/2"	3/4"	3/16"
202-0003	1/2"	1-1/8"	1/4"
202-0004	1/2"	1-3/8"	5/16"
202-0005	1/2"	1-1/2"	5/16"
202-0006	1/2"	2"	3/8"
202-0007	5/8"	2-1/2"	1/2"
202-0008	3/4"	1-1/2"	5/16"
202-0009	3/4"	2"	5/16"
202-0010	3/4"	2-1/2"	5/16"

R8 FACE MILL CUTTER



Order No.	Milling Capacity	Shank	Weight
202-0050	63mm	R8	1.3kg
202-0051	80mm	R8	2kg

R8 SHANK FACE MILL CUTTER J TYPE



Order No.	Milling Capacity	Shank	Weight
202-0052	63mm	R8	1kg
202-0053	80mm	R8	1.2kg

MORSE TAPER SHANK FACE MILL CUTTER

Order No.	Milling Capacity	Shank	Weight
202-0054	50mm	MT2	0.5kg
202-0055	63mm	MT3	1.1kg
202-0056	80mm	MT3	1.8kg



MORSE TAPER SHANK FACE MILL CUTTER J TYPE

Order No.	Milling Capacity	Shank	Weight
202-0057	63mm	MT2	1kg
202-0058	80mm	MT3	1.6kg

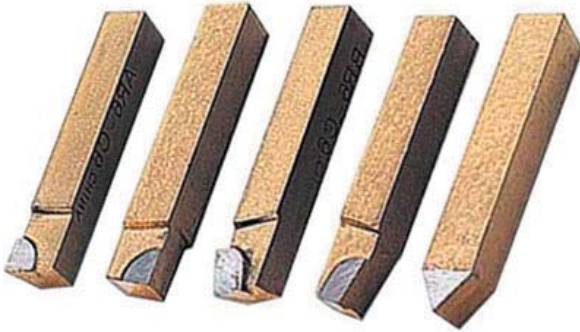


ISO SHANK FACE MILL CUTTER

Order No.	Milling Capacity	Shank	Weight
202-0059	63mm	ISO 30	2kg
202-0060	63mm	ISO 40	2kg
202-0061	80mm	ISO 40	2.2kg
202-0062	80mm	ISO 50	2.2kg



CARBIDE TIPPED TOOL BITS SET



C2- General Purpose			
Order No.	One each of	Tool	Length
208-2001	AR4,AL4, BR4, BL4,E4	1/4"	2"
208-2002	AR5,AL5, BR5, BL5,E5	5/16"	2-1/4"
208-2003	AR6,AL6, BR6, BL6,E6	3/8"	2-1/2"
208-2004	AR7,AL7,BR7,BL7,E7	7/16"	3"
208-2005	AR8,AL8,BR8,BL8,E8	1/2"	3-1/2"
208-2006	AR10,AL10,BR10,BL10,E10	5/8"	4"
208-2007	AR12,AL12,BR12,BL12,E12	3/4"	4-1/2"
208-2008	AR16,AL16,BR16,BL16,E16	1"	6"
C6- For Steel			
Order No.	One each of	Tool	Length
208-2011	AR4,AL4, BR4, BL4,E4	1/4"	2"
208-2012	AR5,AL5, BR5, BL5,E5	5/16"	2-1/4"
208-2013	AR6,AL6, BR6, BL6,E6	3/8"	2-1/2"
208-2014	AR7,AL7,BR7,BL7,E7	7/16"	3"
208-2015	AR8,AL8,BR8,BL8,E8	1/2"	3-1/2"
208-2016	AR10,AL10,BR10,BL10,E10	5/8"	4"
208-2017	AR12,AL12,BR12,BL12,E12	3/4"	4-1/2"
208-2018	AR16,AL16,BR16,BL16,E16	1"	6"

CARBIDE TIPPED TOOL BITS-BR



C2- General Purpose			
Order No.	Size	Tool	Length
208-2301	BR4	1/4"	2"
208-2302	BR5	5/16"	2-1/4"
208-2303	BR6	3/8"	2-1/2"
208-2304	BR7	7/16"	3"
208-2305	BR8	1/2"	3-1/2"
208-2306	BR10	5/8"	4"
208-2307	BR12	3/4"	4-1/2"
208-2308	BR16	1"	6"
C6-For Steel			
Order No.	Size	Tool	Length
208-2311	BR4	1/4"	2"
208-2312	BR5	5/16"	2-1/4"
208-2313	BR6	3/8"	2-1/2"
208-2314	BR7	7/16"	3"
208-2315	BR8	1/2"	3-1/2"
208-2316	BR10	5/8"	4"
208-2317	BR12	3/4"	4-1/2"
208-2318	BR16	1"	6"

CARBIDE TIPPED TOOL BITS-BL



C2- General Purpose			
Order No.	Size	Tool	Length
208-2401	BL4	1/4"	2"
208-2402	BL5	5/16"	2-1/4"
208-2403	BL6	3/8"	2-1/2"
208-2404	BL7	7/16"	3"
208-2405	BL8	1/2"	3-1/2"
208-2406	BL10	5/8"	4"
208-2407	BL12	3/4"	4-1/2"
208-2408	BL16	1"	6"
C6-For Steel			
Order No.	Size	Tool	Length
208-2411	BL4	1/4"	2"
208-2412	BL5	5/16"	2-1/4"
208-2413	BL6	3/8"	2-1/2"
208-2414	BL7	7/16"	3"
208-2415	BL8	1/2"	3-1/2"
208-2416	BL10	5/8"	4"
208-2417	BL12	3/4"	4-1/2"
208-2418	BL16	1"	6"

CARBIDE TIPPED TOOL BITS-AR



C2- General Purpose			
Order No.	Size	Tool	Length
208-2101	AR4	1/4"	2"
208-2102	AR5	5/16"	2-1/4"
208-2103	AR6	3/8"	2-1/2"
208-2104	AR7	7/16"	3"
208-2105	AR8	1/2"	3-1/2"
208-2106	AR10	5/8"	4"
208-2107	AR12	3/4"	4-1/2"
208-2108	AR16	1"	6"
C6-For Steel			
Order No.	Size	Tool	Length
208-2111	AR4	1/4"	2"
208-2112	AR5	5/16"	2-1/4"
208-2113	AR6	3/8"	2-1/2"
208-2114	AR7	7/16"	3"
208-2115	AR8	1/2"	3-1/2"
208-2116	AR10	5/8"	4"
208-2117	AR12	3/4"	4-1/2"
208-2118	AR16	1"	6"

CARBIDE TIPPED TOOL BITS-AL



C2- General Purpose			
Order No.	Size	Tool	Length
208-2202	AL4	1/4"	2"
208-2202	AL5	5/16"	2-1/4"
208-2203	AL6	3/8"	2-1/2"
208-2204	AL7	7/16"	3"
208-2205	AL8	1/2"	3-1/2"
208-2206	AL10	5/8"	4"
208-2207	AL12	3/4"	4-1/2"
208-2208	AL16	1"	6"
C6-For Steel			
Order No.	Size	Tool	Length
208-2211	AL4	1/4"	2"
208-2212	AL5	5/16"	2-1/4"
208-2213	AL6	3/8"	2-1/2"
208-2214	AL7	7/16"	3"
208-2215	AL8	1/2"	3-1/2"
208-2216	AL10	5/8"	4"
208-2217	AL12	3/4"	4-1/2"
208-2218	AL16	1"	6"

CARBIDE TIPPED TOOL BITS-E



C2- General Purpose			
Order No.	Size	Tool	Length
208-2501	E4	1/4"	2"
208-2502	E5	5/16"	2-1/4"
208-2503	E6	3/8"	2-1/2"
208-2504	E7	7/16"	3"
208-2505	E8	1/2"	3-1/2"
208-2506	E10	5/8"	4"
208-2507	E12	3/4"	4-1/2"
208-2508	E16	1"	6"

C6- For Steel			
Order No.	Size	Tool	Length
208-2511	E4	1/4"	2"
208-2512	E5	5/16"	2-1/4"
208-2513	E6	3/8"	2-1/2"
208-2514	E7	7/16"	3"
208-2515	E8	1/2"	3-1/2"
208-2516	E10	5/8"	4"
208-2517	E12	3/4"	4-1/2"
208-2518	E16	1"	6"

INDEXABLE CARBIDE TIPPED TURNING TOOLS

Order No.	Shank Size	Insert I.C.	Bit Sizes
208-1001	1/4"	7/32"	AR-4,AR-4,BR-4,BL-4,E-4
208-1002	3/8"	1/4"	AR-6,AR-6,BR-6,BL-6,E-6
208-1003	1/2"	3/8"	AR-8,AR-8,BR-8,BL-8,E-8
208-1004	5/8"	3/8"	AR-10,AR-10,BR-10,BL-10,E-10
208-1005	3/4"	3/8"	AR-12,AR-12,BR-12,BL-12,E-12
204-1006	1"	1/2"	AR-16,AR-16,BR-16,BL-16,E-16



END MILL SET, M2



Order No.	Size Range
211-0001	2F & 4F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0002	2F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0003	4F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0004	2F & 4F each of 1/4", 3/8", 1/2", 5/8", 3/4"
211-0005	2F & 4F each of 3,4,5,6,8,10,12,14,18,20mm
211-0006	2F each of 3,4,5,6,8,10,12,14,18,20mm
211-0007	4F each of 3,4,5,6,8,10,12,14,18,20mm

SINGLE END MILL SET M2, TINCOATED



Order No.	Size Range
211-0008	2F & 4F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0009	2F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0010	4F each of 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
211-0011	2F & 4F each of 1/4", 3/8", 1/2", 5/8", 3/4"
211-0012	2F & 4F each of 3,4,5,6,8,10,12,14,18,20mm
211-0013	2F each of 3,4,5,6,8,10,12,14,18,20mm
211-0014	4F each of 3,4,5,6,8,10,12,14,18,20mm

2 FLUTE SINGLE END MILL-M2



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-1001	1/8"	3/8"	3/8"	2-5/16"
211-1002	9/64"	3/8"	3/8"	2-5/16"
211-1003	5/32"	3/8"	7/16"	2-5/16"
211-1004	11/64"	3/8"	7/16"	2-5/16"
211-1005	3/16"	3/8"	7/16"	2-5/16"
211-1006	13/64"	3/8"	7/16"	2-5/16"
211-1007	7/32"	3/8"	1/2"	2-5/16"
211-1008	7/32"	3/8"	1/2"	2-3/8"
211-1009	15/64"	3/8"	1/2"	2-3/8"
211-1010	1/4"	3/8"	3/8"	2-1/4"
211-1011	1/4"	3/8"	1/2"	2-5/16"
211-1012	17/64"	3/8"	9/16"	2-3/8"
211-1013	9/32"	3/8"	1/2"	2-5/16"
211-1014	9/32"	3/8"	9/16"	2-3/8"
211-1015	19/64"	3/8"	9/16"	2-3/8"
211-1016	5/16"	3/8"	9/16"	2-5/16"
211-1017	21/64"	3/8"	9/16"	2-3/8"
211-1018	11/32"	3/8"	9/16"	2-5/16"
211-1019	11/32"	3/8"	9/16"	2-3/8"
211-1020	23/64"	3/8"	9/16"	2-3/8"
211-1021	3/8"	3/8"	9/16"	2-5/16"
211-1022	13/32"	3/8"	13/16"	2-1/2"
211-1023	7/16"	3/8"	13/16"	2-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-1024	15/32"	3/8"	13/16"	2-1/2"
211-1025	15/32"	1/2"	7/8"	2-1/2"
211-1026	15/32"	1/2"	1"	3"
211-1027	1/2"	3/8"	13/16"	2-1/2"
211-1028	1/2"	3/8"	1"	3"
211-1029	1/2"	1/2"	1"	3"
211-1030	1/2"	1/2"	1-1/8"	3-1/8"
211-1031	17/32"	1/2"	1-1/8"	3-1/8"
211-1032	9/16"	1/2"	1-1/8"	3-1/8"
211-1033	19/32"	1/2"	1-1/8"	3-1/8"
211-1034	5/8"	1/2"	1-1/8"	3-1/8"
211-1035	5/8"	5/8"	1-5/16"	3-7/16"
211-1036	21/32"	1/2"	1-5/16"	3-5/16"
211-1037	11/16"	1/2"	1-5/16"	3-5/16"
211-1038	11/16"	5/8"	1-5/16"	3-7/16"
211-1039	23/32"	1/2"	1-5/16"	3-5/16"
211-1040	3/4"	1/2"	1-5/16"	3-5/16"
211-1041	3/4"	5/8"	1-5/16"	3-7/16"
211-1042	3/4"	3/4"	1-5/16"	3-7/16"
211-1043	3/4"	3/4"	1-5/16"	3-9/16"
211-1044	3/4"	3/4"	1-3/4"	4"
211-1045	25/32"	1/2"	1-1/2"	3-1/2"
211-1046	13/16"	1/2"	1-1/2"	3-5/16"
211-1047	13/16"	1/2"	1-1/2"	3-5/8"
211-1048	13/16"	5/8"	1-1/2"	3-5/8"
211-1049	13/16"	3/4"	1-1/2"	3-3/4"
211-1050	27/32"	1/2"	1-1/2"	3-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-1051	7/8"	1/2"	1-1/2"	3-1/2"
211-1052	7/8"	1/2"	1-1/2"	3-5/8"
211-1053	7/8"	5/8"	1-1/2"	3-5/8"
211-1054	7/8"	3/4"	1-1/2"	3-3/4"
211-1055	7/8"	7/8"	1-1/2"	3-3/4"
211-1056	29/32"	1/2"	1-1/2"	3-1/2"
211-1057	15/16"	1/2"	1-1/2"	3-5/8"
211-1058	15/16"	5/8"	1-1/2"	3-5/8"
211-1059	15/16"	3/4"	1-1/2"	3-3/4"
211-1060	15/16"	7/8"	1-1/2"	3-3/4"
211-1061	31/32"	1/2"	1-1/2"	3-1/2"
211-1062	1"	1/2"	1-1/2"	3-1/2"
211-1063	1"	1/2"	1-1/2"	3-5/8"
211-1064	1"	5/8"	1-1/2"	3-5/8"
211-1065	1"	3/4"	1-1/2"	3-3/4"
211-1066	1"	7/8"	1-1/2"	3-3/4"
211-1067	1"	1"	1-5/8"	4-1/8"
211-1068	1-1/16"	3/4"	1-5/8"	3-3/4"
211-1069	1-1/16"	5/8"	1-5/8"	3-7/8"
211-1070	1-1/16"	3/4"	1-5/8"	3-7/8"
211-1071	1-1/16"	7/8"	1-5/8"	3-7/8"
211-1072	1-1/8"	3/4"	1-5/8"	3-7/8"
211-1073	1-1/8"	7/8"	1-5/8"	3-7/8"
211-1074	1-1/8"	1"	1-5/8"	4-1/8"
211-1075	1-3/16"	3/4"	1-5/8"	3-7/8"
211-1076	1-3/16"	1"	1-5/8"	4-1/8"
211-1077	1-3/16"	1"	1-5/8"	4-1/8"
211-1078	1-1/4"	3/4"	1-5/8"	3-7/8"
211-1079	1-1/4"	7/8"	1-5/8"	3-7/8"
211-1080	1-1/4"	1"	1-5/8"	4-1/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-1081	1-1/4"	1-1/4"	1-5/8"	4-1/8"
211-1082	1-5/16"	3/4"	1-5/8"	3-7/8"
211-1083	1-3/8"	3/4"	1-5/8"	3-7/8"
211-1084	1-3/8"	1"	1-5/8"	4-1/8"
211-1085	1-7/16"	3/4"	1-5/8"	3-7/8"
211-1086	1-1/2"	3/4"	1-5/8"	3-7/8"
211-1087	1-1/2"	3/4"	1-5/8"	4-1/8"
211-1088	1-1/2"	1"	1-5/8"	4-1/8"
211-1089	1-1/2"	1-1/4"	1-5/8"	4-1/8"
211-1090	1-5/8"	3/4"	1-5/8"	3-7/8"
211-1091	1-5/8"	3/4"	1-5/8"	4-1/8"
211-1092	1-5/8"	1-1/4"	1-5/8"	4-1/8"
211-1093	1-3/4"	3/4"	1-5/8"	3-7/8"
211-1094	1-3/4"	3/4"	1-5/8"	4-1/8"
211-1095	1-3/4"	1-1/4"	1-5/8"	4-1/8"
211-1096	1-7/8"	3/4"	1-5/8"	3-7/8"
211-1097	1-7/8"	1-1/4"	1-5/8"	4-1/8"
211-1098	2"	3/4"	1-5/8"	3-7/8"
211-1099	2"	3/4"	1-5/8"	4-1/8"
211-1100	2"	1-1/4"	1-5/8"	4-1/8"
211-1101	2"	1-1/4"	2-1/2"	5"
211-1102	2"	2"	2"	5-3/4"
211-1103	2"	2"	3"	6-3/4"
211-1104	2"	2"	4"	7-3/4"
211-1105	2-1/4"	1-1/4"	1-5/8"	4-1/8"
211-1106	2-1/2"	2"	4"	7-5/8"
211-1107	2-1/2"	2"	4"	7-3/4"
211-1108	2-1/2"	2"	6"	9-5/8"
211-1109	2-1/2"	2"	6"	9-3/4"
211-1110	3"	2-1/2"	4"	7-3/4"

2 FLUTE SINGLE END MILL-M2 AL



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-2001	1/8"	3/8"	3/8"	2-5/16"
211-2002	9/64"	3/8"	3/8"	2-5/16"
211-2003	5/32"	3/8"	7/16"	2-5/16"
211-2004	11/64"	3/8"	7/16"	2-5/16"
211-2005	3/16"	3/8"	7/16"	2-5/16"
211-2006	13/64"	3/8"	7/16"	2-5/16"
211-2007	7/32"	3/8"	1/2"	2-5/16"
211-2008	7/32"	3/8"	1/2"	2-3/8"
211-2009	15/64"	3/8"	1/2"	2-3/8"
211-2010	1/4"	3/8"	3/8"	2-1/4"
211-2011	1/4"	3/8"	1/2"	2-5/16"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-2012	17/64"	3/8"	9/16"	2-3/8"
211-2013	9/32"	3/8"	1/2"	2-5/16"
211-2014	9/32"	3/8"	9/16"	2-3/8"
211-2015	19/64"	3/8"	9/16"	2-3/8"
211-2016	5/16"	3/8"	9/16"	2-5/16"
211-2017	21/64"	3/8"	9/16"	2-3/8"
211-2018	11/32"	3/8"	9/16"	2-5/16"
211-2019	11/32"	3/8"	9/16"	2-3/8"
211-2020	23/64"	3/8"	9/16"	2-3/8"
211-2021	3/8"	3/8"	9/16"	2-5/16"
211-2022	13/32"	3/8"	13/16"	2-1/2"
211-2023	7/16"	3/8"	13/16"	2-1/2"
211-2024	15/32"	3/8"	13/16"	2-1/2"
211-2025	15/32"	1/2"	7/8"	2-1/2"
211-2026	15/32"	1/2"	1"	3"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-2027	1/2"	3/8"	13/16"	2-1/2"
211-2028	1/2"	3/8"	1"	3"
211-2029	1/2"	1/2"	1"	3"
211-2030	1/2"	1/2"	1-1/8"	3-1/8"
211-2031	17/32"	1/2"	1-1/8"	3-1/8"
211-2032	9/16"	1/2"	1-1/8"	3-1/8"
211-2033	19/32"	1/2"	1-1/8"	3-1/8"
211-2034	5/8"	1/2"	1-1/8"	3-1/8"
211-2035	5/8"	5/8"	1-5/16"	3-7/16"
211-2036	21/32"	1/2"	1-5/16"	3-5/16"
211-2037	11/16"	1/2"	1-5/16"	3-5/16"
211-2038	11/16"	5/8"	1-5/16"	3-7/16"
211-2039	23/32"	1/2"	1-5/16"	3-5/16"
211-2040	3/4"	1/2"	1-5/16"	3-5/16"
211-2041	3/4"	5/8"	1-5/16"	3-7/16"
211-2042	3/4"	3/4"	1-5/16"	3-7/16"
211-2043	3/4"	3/4"	1-5/16"	3-9/16"
211-2044	3/4"	3/4"	1-3/4"	4"
211-2045	25/32"	1/2"	1-1/2"	3-1/2"
211-2046	13/16"	1/2"	1-1/2"	3-5/16"
211-2047	13/16"	1/2"	1-1/2"	3-5/8"
211-2048	13/16"	5/8"	1-1/2"	3-5/8"
211-2049	13/16"	3/4"	1-1/2"	3-3/4"
211-2050	27/32"	1/2"	1-1/2"	3-1/2"
211-2051	7/8"	1/2"	1-1/2"	3-1/2"
211-2052	7/8"	1/2"	1-1/2"	3-5/8"
211-2053	7/8"	5/8"	1-1/2"	3-5/8"
211-2054	7/8"	3/4"	1-1/2"	3-3/4"
211-2055	7/8"	7/8"	1-1/2"	3-3/4"
211-2056	29/32"	1/2"	1-1/2"	3-1/2"
211-2057	15/16"	1/2"	1-1/2"	3-5/8"
211-2058	15/16"	5/8"	1-1/2"	3-5/8"
211-2059	15/16"	3/4"	1-1/2"	3-3/4"
211-2060	15/16"	7/8"	1-1/2"	3-3/4"
211-2061	31/32"	1/2"	1-1/2"	3-1/2"
211-2062	1"	1/2"	1-1/2"	3-1/2"
211-2063	1"	1/2"	1-1/2"	3-5/8"
211-2064	1"	5/8"	1-1/2"	3-5/8"
211-2065	1"	3/4"	1-1/2"	3-3/4"
211-2066	1"	7/8"	1-1/2"	3-3/4"
211-2067	1"	1"	1-5/8"	4-1/8"
211-2068	1-1/16"	3/4"	1-5/8"	3-3/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-2069	1-1/16"	5/8"	1-5/8"	3-7/8"
211-2070	1-1/16"	3/4"	1-5/8"	3-7/8"
211-2071	1-1/16"	7/8"	1-5/8"	3-7/8"
211-2072	1-1/8"	3/4"	1-5/8"	3-7/8"
211-2073	1-1/8"	7/8"	1-5/8"	3-7/8"
211-2074	1-1/8"	1"	1-5/8"	4-1/8"
211-2075	1-3/16"	3/4"	1-5/8"	3-7/8"
211-2076	1-3/16"	1"	1-5/8"	4-1/8"
211-2077	1-3/16"	1"	1-5/8"	4-1/8"
211-2078	1-1/4"	3/4"	1-5/8"	3-7/8"
211-2079	1-1/4"	7/8"	1-5/8"	3-7/8"
211-2080	1-1/4"	1"	1-5/8"	4-1/8"
211-2081	1-1/4"	1-1/4"	1-5/8"	4-1/8"
211-2082	1-5/16"	3/4"	1-5/8"	3-7/8"
211-2083	1-3/8"	3/4"	1-5/8"	3-7/8"
211-2084	1-3/8"	1"	1-5/8"	4-1/8"
211-2085	1-7/16"	3/4"	1-5/8"	3-7/8"
211-2086	1-1/2"	3/4"	1-5/8"	3-7/8"
211-2087	1-1/2"	3/4"	1-5/8"	4-1/8"
211-2088	1-1/2"	1"	1-5/8"	4-1/8"
211-2089	1-1/2"	1-1/4"	1-5/8"	4-1/8"
211-2090	1-5/8"	3/4"	1-5/8"	3-7/8"
211-2091	1-5/8"	3/4"	1-5/8"	4-1/8"
211-2092	1-5/8"	1-1/4"	1-5/8"	4-1/8"
211-2093	1-3/4"	3/4"	1-5/8"	3-7/8"
211-2094	1-3/4"	3/4"	1-5/8"	4-1/8"
211-2095	1-3/4"	1-1/4"	1-5/8"	4-1/8"
211-2096	1-7/8"	3/4"	1-5/8"	3-7/8"
211-2097	1-7/8"	1-1/4"	1-5/8"	4-1/8"
211-2098	2"	3/4"	1-5/8"	3-7/8"
211-2099	2"	3/4"	1-5/8"	4-1/8"
211-2100	2"	1-1/4"	1-5/8"	4-1/8"
211-2101	2"	1-1/4"	2-1/2"	5"
211-2102	2"	2"	2"	5-3/4"
211-2103	2"	2"	3"	6-3/4"
211-2104	2"	2"	4"	7-3/4"
211-2105	2-1/4"	1-1/4"	1-5/8"	4-1/8"
211-2106	2-1/2"	2"	4"	7-5/8"
211-2107	2-1/2"	2"	4"	7-3/4"
211-2108	2-1/2"	2"	6"	9-5/8"
211-2109	2-1/2"	2"	6"	9-3/4"
211-2110	3"	2-1/2"	4"	7-3/4"

2 FLUTE SINGLE END MILL-TIN COATED



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-3001	1/8"	3/8"	3/8"	2-5/16"
211-3002	9/64"	3/8"	3/8"	2-5/16"
211-3003	5/32"	3/8"	7/16"	2-5/16"
211-3004	11/64"	3/8"	7/16"	2-5/16"
211-3005	3/16"	3/8"	7/16"	2-5/16"
211-3006	13/64"	3/8"	7/16"	2-5/16"
211-3007	7/32"	3/8"	1/2"	2-5/16"
211-3008	7/32"	3/8"	1/2"	2-3/8"
211-3009	15/64"	3/8"	1/2"	2-3/8"
211-3010	1/4"	3/8"	3/8"	2-1/4"
211-3011	1/4"	3/8"	1/2"	2-5/16"
211-3012	17/64"	3/8"	9/16"	2-3/8"
211-3013	9/32"	3/8"	1/2"	2-5/16"
211-3014	9/32"	3/8"	9/16"	2-3/8"
211-3015	19/64"	3/8"	9/16"	2-3/8"
211-3016	5/16"	3/8"	9/16"	2-5/16"
211-3017	21/64"	3/8"	9/16"	2-3/8"
211-3018	11/32"	3/8"	9/16"	2-5/16"
211-3019	11/32"	3/8"	9/16"	2-3/8"
211-3020	23/64"	3/8"	9/16"	2-3/8"
211-3021	3/8"	3/8"	9/16"	2-5/16"
211-3022	13/32"	3/8"	13/16"	2-1/2"
211-3023	7/16"	3/8"	13/16"	2-1/2"
211-3024	15/32"	3/8"	13/16"	2-1/2"
211-3025	15/32"	1/2"	7/8"	2-1/2"
211-3026	15/32"	1/2"	1"	3"
211-3027	1/2"	3/8"	13/16"	2-1/2"
211-3028	1/2"	3/8"	1"	3"
211-3029	1/2"	1/2"	1"	3"
211-3030	1/2"	1/2"	1-1/8"	3-1/8"
211-3031	17/32"	1/2"	1-1/8"	3-1/8"
211-3032	9/16"	1/2"	1-1/8"	3-1/8"
211-3033	19/32"	1/2"	1-1/8"	3-1/8"
211-3034	5/8"	1/2"	1-1/8"	3-1/8"
211-3035	5/8"	5/8"	1-5/16"	3-7/16"
211-3036	21/32"	1/2"	1-5/16"	3-5/16"
211-3037	11/16"	1/2"	1-5/16"	3-5/16"
211-3038	11/16"	5/8"	1-5/16"	3-7/16"
211-3039	23/32"	1/2"	1-5/16"	3-5/16"
211-3040	3/4"	1/2"	1-5/16"	3-5/16"
211-3041	3/4"	5/8"	1-5/16"	3-7/16"
211-3042	3/4"	3/4"	1-5/16"	3-7/16"
211-3043	3/4"	3/4"	1-5/16"	3-9/16"
211-3044	3/4"	3/4"	1-3/4"	4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-3045	25/32"	1/2"	1-1/2"	3-1/2"
211-3046	13/16"	1/2"	1-1/2"	3-5/16"
211-3047	13/16"	1/2"	1-1/2"	3-5/8"
211-3048	13/16"	5/8"	1-1/2"	3-5/8"
211-3049	13/16"	3/4"	1-1/2"	3-3/4"
211-3050	27/32"	1/2"	1-1/2"	3-1/2"
211-3051	7/8"	1/2"	1-1/2"	3-1/2"
211-3052	7/8"	1/2"	1-1/2"	3-5/8"
211-3053	7/8"	5/8"	1-1/2"	3-5/8"
211-3054	7/8"	3/4"	1-1/2"	3-3/4"
211-3055	7/8"	7/8"	1-1/2"	3-3/4"
211-3056	29/32"	1/2"	1-1/2"	3-1/2"
211-3057	15/16"	1/2"	1-1/2"	3-5/8"
211-3058	15/16"	5/8"	1-1/2"	3-5/8"
211-3059	15/16"	3/4"	1-1/2"	3-3/4"
211-3060	15/16"	7/8"	1-1/2"	3-3/4"
211-3061	31/32"	1/2"	1-1/2"	3-1/2"
211-3062	1"	1/2"	1-1/2"	3-1/2"
211-3063	1"	1/2"	1-1/2"	3-5/8"
211-3064	1"	5/8"	1-1/2"	3-5/8"
211-3065	1"	3/4"	1-1/2"	3-3/4"
211-3066	1"	7/8"	1-1/2"	3-3/4"
211-3067	1"	1"	1-5/8"	4-1/8"
211-3068	1-1/16"	3/4"	1-5/8"	3-3/4"
211-3069	1-1/16"	5/8"	1-5/8"	3-7/8"
211-3070	1-1/16"	3/4"	1-5/8"	3-7/8"
211-3071	1-1/16"	7/8"	1-5/8"	3-7/8"
211-3072	1-1/8"	3/4"	1-5/8"	3-7/8"
211-3073	1-1/8"	7/8"	1-5/8"	3-7/8"
211-3074	1-1/8"	1"	1-5/8"	4-1/8"
211-3075	1-3/16"	3/4"	1-5/8"	3-7/8"
211-3076	1-3/16"	1"	1-5/8"	4-1/8"
211-3077	1-3/16"	1"	1-5/8"	4-1/8"
211-3078	1-1/4"	3/4"	1-5/8"	3-7/8"
211-3079	1-1/4"	7/8"	1-5/8"	3-7/8"
211-3080	1-1/4"	1"	1-5/8"	4-1/8"
211-3081	1-1/4"	1-1/4"	1-5/8"	4-1/8"
211-3082	1-5/16"	3/4"	1-5/8"	3-7/8"
211-3083	1-3/8"	3/4"	1-5/8"	3-7/8"
211-3084	1-3/8"	1"	1-5/8"	4-1/8"
211-3085	1-7/16"	3/4"	1-5/8"	3-7/8"
211-3086	1-1/2"	3/4"	1-5/8"	3-7/8"
211-3087	1-1/2"	3/4"	1-5/8"	4-1/8"
211-3088	1-1/2"	1"	1-5/8"	4-1/8"
211-3089	1-1/2"	1-1/4"	1-5/8"	4-1/8"
211-3090	1-5/8"	3/4"	1-5/8"	3-7/8"
211-3091	1-5/8"	3/4"	1-5/8"	4-1/8"
211-3092	1-5/8"	1-1/4"	1-5/8"	4-1/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-3093	1-3/4"	3/4"	1-5/8"	3-7/8"
211-3094	1-3/4"	3/4"	1-5/8"	4-1/8"
211-3095	1-3/4"	1-1/4"	1-5/8"	4-1/8"
211-3096	1-7/8"	3/4"	1-5/8"	3-7/8"
211-3097	1-7/8"	1-1/4"	1-5/8"	4-1/8"
211-3098	2"	3/4"	1-5/8"	3-7/8"
211-3099	2"	3/4"	1-5/8"	4-1/8"
211-3100	2"	1-1/4"	1-5/8"	4-1/8"
211-3101	2"	1-1/4"	2-1/2"	5"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-3102	2"	2"	2"	5-3/4"
211-3103	2"	2"	3"	6-3/4"
211-3104	2"	2"	4"	7-3/4"
211-3105	2-1/4"	1-1/4"	1-5/8"	4-1/8"
211-3106	2-1/2"	2"	4"	7-5/8"
211-3107	2-1/2"	2"	4"	7-3/4"
211-3108	2-1/2"	2"	6"	9-5/8"
211-3109	2-1/2"	2"	6"	9-3/4"
211-3110	3"	2-1/2"	4"	7-3/4"

2 FLUTE EXTENDED SHANK SINGLE END MILL-M2



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-4001	1/8"	3/8"	3/8"	2-3/8"
211-4002	3/16"	3/8"	1/2"	2-11/16"
211-4003	3/16"	3/8"	5/8"	3-1/16"
211-4004	1/4"	3/8"	5/8"	3-1/16"
211-4005	1/4"	3/8"	5/8"	3-1/16"
211-4006	5/16"	3/8"	3/4"	3-5/16"
211-4007	5/16"	3/8"	3/4"	3-1/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-4008	3/8"	3/8"	3/4"	3-5/16"
211-4009	3/8"	3/8"	1-7/8"	3-5/16"
211-4010	1/2"	1/2"	1"	1"
211-4011	1/2"	1/2"	1-7/8"	4"
211-4012	5/8"	1/2"	1-3/8"	4-5/8"
211-4013	5/8"	5/8"	1-3/8"	4-5/8"
211-4014	5/8"	5/8"	2"	4-5/8"
211-4015	3/4"	1/2"	1-5/8"	5-3/8"
211-4016	3/4"	3/4"	1-5/8"	5-3/8"
211-4017	7/8"	7/8"	2"	6"
211-4018	1"	1"	2-1/2"	7-1/4"
211-4019	1-1/4"	1-1/4"	3"	7-1/4"

2 FLUTE EXTENDED SHANK SINGLE END MILL-M2 AL

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-4101	1/8"	3/8"	3/8"	2-3/8"
211-4102	3/16"	3/8"	1/2"	2-11/16"
211-4103	3/16"	3/8"	5/8"	3-1/16"
211-4104	1/4"	3/8"	5/8"	3-1/16"
211-4105	1/4"	3/8"	5/8"	3-1/16"
211-4106	5/16"	3/8"	3/4"	3-5/16"
211-4107	5/16"	3/8"	3/4"	3-1/4"
211-4108	3/8"	3/8"	3/4"	3-5/16"
211-4109	3/8"	3/8"	1-7/8"	3-5/16"
211-4110	1/2"	1/2"	1"	1"
211-4111	1/2"	1/2"	1-7/8"	4"
211-4112	5/8"	1/2"	1-3/8"	4-5/8"
211-4113	5/8"	5/8"	1-3/8"	4-5/8"
211-4114	5/8"	5/8"	2"	4-5/8"
211-4115	3/4"	1/2"	1-5/8"	5-3/8"
211-4116	3/4"	3/4"	1-5/8"	5-3/8"
211-4117	7/8"	7/8"	2"	6"
211-4118	1"	1"	2-1/2"	7-1/4"
211-4119	1-1/4"	1-1/4"	3"	7-1/4"

2 FLUTE EXTENDED SHANK SINGLE END MILL-TIN COATED

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-4201	1/8"	3/8"	3/8"	2-3/8"
211-4202	3/16"	3/8"	1/2"	2-11/16"
211-4203	3/16"	3/8"	5/8"	3-1/16"
211-4204	1/4"	3/8"	5/8"	3-1/16"
211-4205	1/4"	3/8"	5/8"	3-1/16"
211-4206	5/16"	3/8"	3/4"	3-5/16"
211-4207	5/16"	3/8"	3/4"	3-1/4"
211-4208	3/8"	3/8"	3/4"	3-5/16"
211-4209	3/8"	3/8"	1-7/8"	3-5/16"
211-4210	1/2"	1/2"	1"	1"
211-4211	1/2"	1/2"	1-7/8"	4"
211-4212	5/8"	1/2"	1-3/8"	4-5/8"
211-4213	5/8"	5/8"	1-3/8"	4-5/8"
211-4214	5/8"	5/8"	2"	4-5/8"
211-4215	3/4"	1/2"	1-5/8"	5-3/8"
211-4216	3/4"	3/4"	1-5/8"	5-3/8"
211-4217	7/8"	7/8"	2"	6"
211-4218	1"	1"	2-1/2"	7-1/4"
211-4219	1-1/4"	1-1/4"	3"	7-1/4"

2 FLUTE SINGLE END MILL-LONG HELIX-M2



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5001	3/16"	3/8"	3/4"	2-5/8"
211-5002	7/32"	3/8"	1-1/4"	3-1/8"
211-5003	1/4"	3/8"	1"	2-3/4"
211-5004	1/4"	3/8"	1"	3-1/16"
211-5005	1/4"	3/8"	1-1/4"	3-1/8"
211-5006	9/32"	3/8"	1-3/8"	3-1/8"
211-5007	5/16"	3/8"	1-1/4"	3"
211-5008	5/16"	3/8"	1-1/4"	3-5/16"
211-5009	5/16"	3/8"	1-3/8"	3-1/8"
211-5010	11/32"	3/8"	1-1/2"	3-1/4"
211-5011	3/8"	3/8"	1"	2-3/4"
211-5012	3/8"	3/8"	1-1/2"	3-1/4"
211-5013	7/16"	1/2"	1-3/4"	3-3/4"
211-5014	1/2"	1/2"	1-1/2"	3-1/2"
211-5015	1/2"	1/2"	2"	4"
211-5016	1/2"	1/2"	3"	5"
211-5017	5/8"	5/8"	1-5/8"	3-3/4"
211-5018	5/8"	5/8"	2"	4-1/8"
211-5019	5/8"	5/8"	2-3/8"	4-1/2"
211-5020	5/8"	5/8"	2-1/2"	4-5/8"
211-5021	5/8"	5/8"	3"	5-1/8"
211-5022	5/8"	5/8"	4"	6-1/8"
211-5023	3/4"	3/4"	1-3/4"	4"
211-5024	3/4"	3/4"	2-1/4"	4-1/2"
211-5025	3/4"	3/4i ⁻	2-1/2"	4-3/4"
211-5026	3/4"	3/4"	3"	5-1/4"
211-5027	3/4"	3/4"	3-1/2"	5-3/4"
211-5028	3/4"	3/4"	4"	6-1/4"
211-5029	7/8"	7/8"	2"	4-1/4"
211-5030	7/8"	7/8"	2-1/2"	4-3/4"
211-5031	7/8"	7/8"	3-1/2"	5-3/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5032	1"	1"	2"	4-1/2"
211-5033	1"	1"	2-1/4"	4-3/4"
211-5034	1"	1"	2-1/2"	5"
211-5035	1"	1"	3"	5-1/2"
211-5036	1"	1"	3-1/2"	6"
211-5037	1"	1"	4"	6-1/2"
211-5038	1"	1"	4-5/8"	7"
211-5039	1-1/8"	1"	2-1/4"	4-3/4"
211-5040	1-1/8"	1"	3"	4-3/4"
211-5041	1-1/8"	1"	3"	5-1/2"
211-5042	1-1/4"	1"	2-1/4"	4-3/4"
211-5043	1-1/4"	1-1/4"	2-1/4"	5-1/2"
211-5044	1-1/4"	1"	3"	5-1/2"
211-5045	1-1/4"	1-1/4"	3"	5-1/2"
211-5046	1-1/4"	1-1/4"	3-1/2"	6"
211-5047	1-1/4"	1-1/4"	4-3/4"	7-1/4"
211-5048	1-3/8"	1"	2-1/4"	4-3/4"
211-5049	1-3/8"	1"	3"	5-1/2"
211-5050	1-1/2"	1-1/4"	6"	8-1/2"
211-5051	1-1/2"	1-1/4"	2-1/4"	4-3/4"
211-5052	1-1/2"	1-1/4"	3"	5-1/2"
211-5053	1-1/2"	1-1/4"	4"	6-1/2"
211-5054	1-5/8"	1-1/4"	2-1/4"	4-3/4"
211-5055	1-5/8"	1-1/4"	3"	5-1/2"
211-5056	1-3/4"	1-1/4"	2-1/4"	4-3/4"
211-5057	1-3/4"	1-1/4"	3"	5-1/2"
211-5058	1-7/8"	1-1/4"	2-1/4"	4-3/4"
211-5059	1-7/8"	1-1/4"	3"	5-1/2"
211-5060	2"	1-1/4"	2-1/4"	4-3/4"
211-5061	2"	1-1/4"	3"	5-1/2"
211-5062	2"	1-1/4"	4"	6-1/2"

2 FLUTE SINGLE END MILL-LONG HELIX-M2 AL

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5101	3/16"	3/8"	3/4"	2-5/8"
211-5102	7/32"	3/8"	1-1/4"	3-1/8"
211-5103	1/4"	3/8"	1"	2-3/4"
211-5104	1/4"	3/8"	1"	3-1/16"
211-5105	1/4"	3/8"	1-1/4"	3-1/8"
211-5106	9/32"	3/8"	1-3/8"	3-1/8"
211-5107	5/16"	3/8"	1-1/4"	3"
211-5108	5/16"	3/8"	1-1/4"	3-5/16"
211-5109	5/16"	3/8"	1-3/8"	3-1/8"
211-5110	11/32"	3/8"	1-1/2"	3-1/4"
211-5111	3/8"	3/8"	1"	2-3/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5112	3/8"	3/8"	1-1/2"	3-1/4"
211-5113	7/16"	1/2"	1-3/4"	3-3/4"
211-5114	1/2"	1/2"	1-1/2"	3-1/2"
211-5115	1/2"	1/2"	2"	4"
211-5116	1/2"	1/2"	3"	5"
211-5117	5/8"	5/8"	1-5/8"	3-3/4"
211-5118	5/8"	5/8"	2"	4-1/8"
211-5119	5/8"	5/8"	2-3/8"	4-1/2"
211-5120	5/8"	5/8"	2-1/2"	4-5/8"
211-5121	5/8"	5/8"	3"	5-1/8"
211-5122	5/8"	5/8"	4"	6-1/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5123	3/4"	3/4"	1-3/4"	4"
211-5124	3/4"	3/4"	2-1/4"	4-1/2"
211-5125	3/4"	3/4i ⁻	2-1/2"	4-3/4"
211-5126	3/4"	3/4"	3"	5-1/4"
211-5127	3/4"	3/4"	3-1/2"	5-3/4"
211-5128	3/4"	3/4"	4"	6-1/4"
211-5129	7/8"	7/8"	2"	4-1/4"
211-5130	7/8"	7/8"	2-1/2"	4-3/4"
211-5131	7/8"	7/8"	3-1/2"	5-3/4"
211-5132	1"	1"	2"	4-1/2"
211-5133	1"	1"	2-1/4"	4-3/4"
211-5134	1"	1"	2-1/2"	5"
211-5135	1"	1"	3"	5-1/2"
211-5136	1"	1"	3-1/2"	6"
211-5137	1"	1"	4"	6-1/2"
211-5138	1"	1"	4-5/8"	7"
211-5139	1-1/8"	1"	2-1/4"	4-3/4"
211-5140	1-1/8"	1"	3"	4-3/4"
211-5141	1-1/8"	1"	3"	5-1/2"
211-5142	1-1/4"	1"	2-1/4"	4-3/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5143	1-1/4"	1-1/4"	2-1/4"	5-1/2"
211-5144	1-1/4"	1"	3"	5-1/2"
211-5145	1-1/4"	1-1/4"	3"	5-1/2"
211-5146	1-1/4"	1-1/4"	3-1/2"	6"
211-5147	1-1/4"	1-1/4"	4-3/4"	7-1/4"
211-5148	1-3/8"	1"	2-1/4"	4-3/4"
211-5149	1-3/8"	1"	3"	5-1/2"
211-5150	1-1/2"	1-1/4"	6"	8-1/2"
211-5151	1-1/2"	1-1/4"	2-1/4"	4-3/4"
211-5152	1-1/2"	1-1/4"	3"	5-1/2"
211-5153	1-1/2"	1-1/4"	4"	6-1/2"
211-5154	1-5/8"	1-1/4"	2-1/4"	4-3/4"
211-5155	1-5/8"	1-1/4"	3"	5-1/2"
211-5156	1-3/4"	1-1/4"	2-1/4"	4-3/4"
211-5157	1-3/4"	1-1/4"	3"	5-1/2"
211-5158	1-7/8"	1-1/4"	2-1/4"	4-3/4"
211-5159	1-7/8"	1-1/4"	3"	5-1/2"
211-5160	2"	1-1/4"	2-1/4"	4-3/4"
211-5161	2"	1-1/4"	3"	5-1/2"
211-5162	2"	1-1/4"	4"	6-1/2"

2 FLUTE END MILL-LONG HELIX-TIN COATED

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5201	3/16"	3/8"	3/4"	2-5/8"
211-5202	7/32"	3/8"	1-1/4"	3-1/8"
211-5203	1/4"	3/8"	1"	2-3/4"
211-5204	1/4"	3/8"	1"	3-1/16"
211-5205	1/4"	3/8"	1-1/4"	3-1/8"
211-5206	9/32"	3/8"	1-3/8"	3-1/8"
211-5207	5/16"	3/8"	1-1/4"	3"
211-5208	5/16"	3/8"	1-1/4"	3-5/16"
211-5209	5/16"	3/8"	1-3/8"	3-1/8"
211-5210	11/32"	3/8"	1-1/2"	3-1/4"
211-5211	3/8"	3/8"	1"	2-3/4"
211-5212	3/8"	3/8"	1-1/2"	3-1/4"
211-5213	7/16"	1/2"	1-3/4"	3-3/4"
211-5214	1/2"	1/2"	1-1/2"	3-1/2"
211-5215	1/2"	1/2"	2"	4"
211-5216	1/2"	1/2"	3"	5"
211-5217	5/8"	5/8"	1-5/8"	3-3/4"
211-5218	5/8"	5/8"	2"	4-1/8"
211-5219	5/8"	5/8"	2-3/8"	4-1/2"
211-5220	5/8"	5/8"	2-1/2"	4-5/8"
211-5221	5/8"	5/8"	3"	5-1/8"
211-5222	5/8"	5/8"	4"	6-1/8"
211-5223	3/4"	3/4"	1-3/4"	4"
211-5224	3/4"	3/4"	2-1/4"	4-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5225	3/4"	3/4i ⁻	2-1/2"	4-3/4"
211-5226	3/4"	3/4"	3"	5-1/4"
211-5227	3/4"	3/4"	3-1/2"	5-3/4"
211-5228	3/4"	3/4"	4"	6-1/4"
211-5229	7/8"	7/8"	2"	4-1/4"
211-5230	7/8"	7/8"	2-1/2"	4-3/4"
211-5231	7/8"	7/8"	3-1/2"	5-3/4"
211-5232	1"	1"	2"	4-1/2"
211-5233	1"	1"	2-1/4"	4-3/4"
211-5234	1"	1"	2-1/2"	5"
211-5235	1"	1"	3"	5-1/2"
211-5236	1"	1"	3-1/2"	6"
211-5237	1"	1"	4"	6-1/2"
211-5238	1"	1"	4-5/8"	7"
211-5239	1-1/8"	1"	2-1/4"	4-3/4"
211-5240	1-1/8"	1"	3"	4-3/4"
211-5241	1-1/8"	1"	3"	5-1/2"
211-5242	1-1/4"	1"	2-1/4"	4-3/4"
211-5243	1-1/4"	1-1/4"	2-1/4"	5-1/2"
211-5244	1-1/4"	1"	3"	5-1/2"
211-5245	1-1/4"	1-1/4"	3"	5-1/2"
211-5246	1-1/4"	1-1/4"	3-1/2"	6"
211-5247	1-1/4"	1-1/4"	4-3/4"	7-1/4"
211-5248	1-3/8"	1"	2-1/4"	4-3/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5249	1-3/8"	1"	3"	5-1/2"
211-5250	1-1/2"	1-1/4"	6"	8-1/2"
211-5251	1-1/2"	1-1/4"	2-1/4"	4-3/4"
211-5252	1-1/2"	1-1/4"	3"	5-1/2"
211-5253	1-1/2"	1-1/4"	4"	6-1/2"
211-5254	1-5/8"	1-1/4"	2-1/4"	4-3/4"
211-5255	1-5/8"	1-1/4"	3"	5-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-5256	1-3/4"	1-1/4"	2-1/4"	4-3/4"
211-5257	1-3/4"	1-1/4"	3"	5-1/2"
211-5258	1-7/8"	1-1/4"	2-1/4"	4-3/4"
211-5259	1-7/8"	1-1/4"	3"	5-1/2"
211-5260	2"	1-1/4"	2-1/4"	4-3/4"
211-5261	2"	1-1/4"	3"	5-1/2"
211-5262	2"	1-1/4"	4"	6-1/2"

2 FLUTE SINGLE END MILL -FOR ALUMINUM-M2 AL



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6101	1/4"	3/8"	5/8"	2-1/2"
211-6102	1/4"	3/8"	1-1/4"	3-1/8"
211-6103	1/4"	3/8"	1-3/4"	3-1/2"
211-6104	5/16"	3/8"	3/4"	2-1/2"
211-6105	5/16"	3/8"	1-3/8"	3-1/8"
211-6106	5/16"	3/8"	2"	3-3/4"
211-6107	3/8"	3/8"	3/4"	2-1/2"
211-6108	3/8"	3/8"	1-1/2"	3-1/4"
211-6109	3/8"	3/8"	2-1/2"	4-1/4"
211-6110	7/16"	3/8"	1"	2-11/16"
211-6111	7/16"	1/2"	1-3/4"	3-3/4"
211-6112	7/16"	1/2"	2-3/4"	4-3/4"
211-6113	1/2"	1/2"	1"	3-1/4"
211-6114	1/2"	1/2"	2"	4"
211-6115	1/2"	1/2"	3"	5"
211-6116	5/8"	1/2"	1-3/8"	3-3/8"
211-6117	5/8"	5/8"	1-5/8"	3-3/4"
211-6118	5/8"	5/8"	2-1/2"	4-5/8"
211-6119	5/8"	5/8"	4"	6-1/8"
211-6120	3/4"	1/2"	1-5/8"	3-5/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6121	3/4"	3/4"	1-5/8"	3-7/8"
211-6122	3/4"	3/4"	3"	5-1/4"
211-6123	3/4"	3/4"	4"	6-1/4"
211-6124	7/8"	7/8"	1-7/8"	4-1/8"
211-6125	7/8"	7/8"	3-1/2"	5-3/4"
211-6126	7/8"	7/8"	5"	7-1/4"
211-6127	1"	3/4"	1-7/8"	4-1/8"
211-6128	1"	1"	2"	4-1/2"
211-6129	1"	1"	4"	6-1/2"
211-6130	1"	1"	6"	8-1/2"
211-6131	1-1/4"	1-1/4"	2"	4-1/2"
211-6132	1-1/4"	1-1/4"	4"	6-1/2"
211-6133	1-1/4"	1-1/4"	6"	8-1/2"
211-6134	1-1/2"	1-1/4"	2"	4-1/2"
211-6135	1-1/2"	1-1/4"	4"	6-1/2"
211-6136	1-1/2"	1-1/4"	8"	10-1/2"
211-6137	1-3/4"	1-1/4"	2"	4-1/2"
211-6138	1-3/4"	1-1/4"	4"	6-1/2"
211-6139	2"	1-1/4"	2"	4-1/2"
211-6140	2"	1-1/4"	4"	6-1/2"

2 FLUTE SINGLE END MILL-FOR ALUMINUM-M2

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6001	1/4"	3/8"	5/8"	2-1/2"
211-6002	1/4"	3/8"	1-1/4"	3-1/8"
211-6003	1/4"	3/8"	1-3/4"	3-1/2"
211-6004	5/16"	3/8"	3/4"	2-1/2"
211-6005	5/16"	3/8"	1-3/8"	3-1/8"
211-6006	5/16"	3/8"	2"	3-3/4"
211-6007	3/8"	3/8"	3/4"	2-1/2"
211-6008	3/8"	3/8"	1-1/2"	3-1/4"
211-6009	3/8"	3/8"	2-1/2"	4-1/4"
211-6010	7/16"	3/8"	1"	2-11/16"
211-6011	7/16"	1/2"	1-3/4"	3-3/4"
211-6012	7/16"	1/2"	2-3/4"	4-3/4"
211-6013	1/2"	1/2"	1"	3-1/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6014	1/2"	1/2"	2"	4"
211-6015	1/2"	1/2"	3"	5"
211-6016	5/8"	1/2"	1-3/8"	3-3/8"
211-6017	5/8"	5/8"	1-5/8"	3-3/4"
211-6018	5/8"	5/8"	2-1/2"	4-5/8"
211-6019	5/8"	5/8"	4"	6-1/8"
211-6020	3/4"	1/2"	1-5/8"	3-5/8"
211-6021	3/4"	3/4"	1-5/8"	3-7/8"
211-6022	3/4"	3/4"	3"	5-1/4"
211-6023	3/4"	3/4"	4"	6-1/4"
211-6024	7/8"	7/8"	1-7/8"	4-1/8"
211-6025	7/8"	7/8"	3-1/2"	5-3/4"
211-6026	7/8"	7/8"	5"	7-1/4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6027	1"	3/4"	1-7/8"	4-1/8"
211-6028	1"	1"	2"	4-1/2"
211-6029	1"	1"	4"	6-1/2"
211-6030	1"	1"	6"	8-1/2"
211-6031	1-1/4"	1-1/4"	2"	4-1/2"
211-6032	1-1/4"	1-1/4"	4"	6-1/2"
211-6033	1-1/4"	1-1/4"	6"	8-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6034	1-1/2"	1-1/4"	2"	4-1/2"
211-6035	1-1/2"	1-1/4"	4"	6-1/2"
211-6036	1-1/2"	1-1/4"	8"	10-1/2"
211-6037	1-3/4"	1-1/4"	2"	4-1/2"
211-6038	1-3/4"	1-1/4"	4"	6-1/2"
211-6039	2"	1-1/4"	2"	4-1/2"
211-6040	2"	1-1/4"	4"	6-1/2"

2 FLUTE SINGLE END MILL-FOR ALUMINUM-TIN COATED

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6201	1/4"	3/8"	5/8"	2-1/2"
211-6202	1/4"	3/8"	1-1/4"	3-1/8"
211-6203	1/4"	3/8"	1-3/4"	3-1/2"
211-6204	5/16"	3/8"	3/4"	2-1/2"
211-6205	5/16"	3/8"	1-3/8"	3-1/8"
211-6206	5/16"	3/8"	2"	3-3/4"
211-6207	3/8"	3/8"	3/4"	2-1/2"
211-6208	3/8"	3/8"	1-1/2"	3-1/4"
211-6209	3/8"	3/8"	2-1/2"	4-1/4"
211-6210	7/16"	3/8"	1"	2-11/16"
211-6211	7/16"	1/2"	1-3/4"	3-3/4"
211-6212	7/16"	1/2"	2-3/4"	4-3/4"
211-6213	1/2"	1/2"	1"	3-1/4"
211-6214	1/2"	1/2"	2"	4"
211-6215	1/2"	1/2"	3"	5"
211-6216	5/8"	1/2"	1-3/8"	3-3/8"
211-6217	5/8"	5/8"	1-5/8"	3-3/4"
211-6218	5/8"	5/8"	2-1/2"	4-5/8"
211-6219	5/8"	5/8"	4"	6-1/8"
211-6220	3/4"	1/2"	1-5/8"	3-5/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-6221	3/4"	3/4"	1-5/8"	3-7/8"
211-6222	3/4"	3/4"	3"	5-1/4"
211-6223	3/4"	3/4"	4"	6-1/4"
211-6224	7/8"	7/8"	1-7/8"	4-1/8"
211-6225	7/8"	7/8"	3-1/2"	5-3/4"
211-6226	7/8"	7/8"	5"	7-1/4"
211-6227	1"	3/4"	1-7/8"	4-1/8"
211-6228	1"	1"	2"	4-1/2"
211-6229	1"	1"	4"	6-1/2"
211-6230	1"	1"	6"	8-1/2"
211-6231	1-1/4"	1-1/4"	2"	4-1/2"
211-6232	1-1/4"	1-1/4"	4"	6-1/2"
211-6233	1-1/4"	1-1/4"	6"	8-1/2"
211-6234	1-1/2"	1-1/4"	2"	4-1/2"
211-6235	1-1/2"	1-1/4"	4"	6-1/2"
211-6236	1-1/2"	1-1/4"	8"	10-1/2"
211-6237	1-3/4"	1-1/4"	2"	4-1/2"
211-6238	1-3/4"	1-1/4"	4"	6-1/2"
211-6239	2"	1-1/4"	2"	4-1/2"
211-6240	2"	1-1/4"	4"	6-1/2"

3 FLUTE SINGLE END MILL-M2



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7001	3/32"	3/8"	5/16"	2-5/16"
211-7002	1/8"	3/8"	3/8"	2-5/16"
211-7003	3/16"	3/8"	1/2"	2-3/8"
211-7004	1/4"	3/8"	5/8"	2-7/16"
211-7005	5/16"	3/8"	3/4"	2-1/2"
211-7006	3/8"	3/8"	3/4"	2-1/2"
211-7007	7/16"	3/8"	1"	2-11/16"
211-7008	7/16"	1/2"	1"	2-15/16"
211-7009	1/2"	3/8"	1"	2-11/16"
211-7010	1/2"	1/2"	1-1/4"	3-1/4"
211-7011	9/16"	1/2"	1-3/8"	3-3/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7012	5/8"	1/2"	1-3/8"	3-3/8"
211-7013	5/8"	5/8"	1-5/8"	3-3/4"
211-7014	11/16"	1/2"	1-5/8"	3-5/8"
211-7015	11/16"	5/8"	1-5/8"	3-3/4"
211-7016	3/4"	5/8"	1-5/8"	3-3/4"
211-7017	3/4"	1/2"	1-5/8"	3-5/8"
211-7018	3/4"	3/4"	1-5/8"	3-7/8"
211-7019	13/16"	5/8"	1-5/8"	3-3/4"
211-7020	13/16"	3/4"	1-5/8"	3-7/8"
211-7021	7/8"	5/8"	1-7/8"	4"
211-7022	7/8"	3/4"	1-7/8"	4-1/8"
211-7023	7/8"	7/8"	1-7/8"	4-7/8"
211-7024	7/8"	1/2"	1-5/8"	3-5/8"
211-7025	15/16"	7/8"	1-7/8"	4-1/8"
211-7026	15/16"	5/8"	1-7/8"	4"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7027	1"	5/8"	1-7/8"	4"
211-7028	1"	3/4"	1-7/8"	4-1/8"
211-7029	1"	7/8"	1-7/8"	4-1/8"
211-7030	1"	1"	2"	4-1/2"
211-7031	1-1/8"	1"	2"	4-1/2"
211-7032	1-1/4"	1"	2"	4-1/2"
211-7033	1-1/4"	1-1/4"	2"	4-1/2"
211-7034	1-3/8"	1"	2"	4-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7035	1-3/8"	1-1/4"	2"	4-1/2"
211-7036	1-1/2"	1"	2"	4-1/2"
211-7037	1-1/2"	1-1/4"	2"	4-1/2"
211-7038	1-3/4"	1-1/4"	2"	4-1/2"
211-7039	2"	1-1/4"	2"	4-1/2"
211-7040	2"	2"	3"	5-3/4"
211-7041	2-1/2"	2"	4"	7-5/8"
211-7042	2-1/2"	2-1/2"	4"	8"

3 FLUTE SINGLE END MILL-M2 AL

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7101	3/32"	3/8"	5/16"	2-5/16"
211-7102	1/8"	3/8"	3/8"	2-5/16"
211-7103	3/16"	3/8"	1/2"	2-3/8"
211-7104	1/4"	3/8"	5/8"	2-7/16"
211-7105	5/16"	3/8"	3/4"	2-1/2"
211-7106	3/8"	3/8"	3/4"	2-1/2"
211-7107	7/16"	3/8"	1"	2-11/16"
211-7108	7/16"	1/2"	1"	2-15/16"
211-7109	1/2"	3/8"	1"	2-11/16"
211-7110	1/2"	1/2"	1-1/4"	3-1/4"
211-7111	9/16"	1/2"	1-3/8"	3-3/8"
211-7112	5/8"	1/2"	1-3/8"	3-3/8"
211-7113	5/8"	5/8"	1-5/8"	3-3/4"
211-7114	11/16"	1/2"	1-5/8"	3-5/8"
211-7115	11/16"	5/8"	1-5/8"	3-3/4"
211-7116	3/4"	5/8"	1-5/8"	3-3/4"
211-7117	3/4"	1/2"	1-5/8"	3-5/8"
211-7118	3/4"	3/4"	1-5/8"	3-7/8"
211-7119	13/16"	5/8"	1-5/8"	3-3/4"
211-7120	13/16"	3/4"	1-5/8"	3-7/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7121	7/8"	5/8"	1-7/8"	4"
211-7122	7/8"	3/4"	1-7/8"	4-1/8"
211-7123	7/8"	7/8"	1-7/8"	4-7/8"
211-7124	7/8"	1/2"	1-5/8"	3-5/8"
211-7125	15/16"	7/8"	1-7/8"	4-1/8"
211-7126	15/16"	5/8"	1-7/8"	4"
211-7127	1"	5/8"	1-7/8"	4"
211-7128	1"	3/4"	1-7/8"	4-1/8"
211-7129	1"	7/8"	1-7/8"	4-1/8"
211-7130	1"	1"	2"	4-1/2"
211-7131	1-1/8"	1"	2"	4-1/2"
211-7132	1-1/4"	1"	2"	4-1/2"
211-7133	1-1/4"	1-1/4"	2"	4-1/2"
211-7134	1-3/8"	1"	2"	4-1/2"
211-7135	1-3/8"	1-1/4"	2"	4-1/2"
211-7136	1-1/2"	1"	2"	4-1/2"
211-7137	1-1/2"	1-1/4"	2"	4-1/2"
211-7138	1-3/4"	1-1/4"	2"	4-1/2"
211-7139	2"	1-1/4"	2"	4-1/2"
211-7140	2"	2"	3"	5-3/4"
211-7141	2-1/2"	2"	4"	7-5/8"
211-7142	2-1/2"	2-1/2"	4"	8"

3 FLUTE SINGLE END MILL-TIN COATED



Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7201	3/32"	3/8"	5/16"	2-5/16"
211-7202	1/8"	3/8"	3/8"	2-5/16"
211-7203	3/16"	3/8"	1/2"	2-3/8"
211-7204	1/4"	3/8"	5/8"	2-7/16"
211-7205	5/16"	3/8"	3/4"	2-1/2"
211-7206	3/8"	3/8"	3/4"	2-1/2"
211-7207	7/16"	3/8"	1"	2-11/16"
211-7208	7/16"	1/2"	1"	2-15/16"
211-7209	1/2"	3/8"	1"	2-11/16"
211-7210	1/2"	1/2"	1-1/4"	3-1/4"
211-7211	9/16"	1/2"	1-3/8"	3-3/8"
211-7212	5/8"	1/2"	1-3/8"	3-3/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7213	5/8"	5/8"	1-5/8"	3-3/4"
211-7214	11/16"	1/2"	1-5/8"	3-5/8"
211-7215	11/16"	5/8"	1-5/8"	3-3/4"
211-7216	3/4"	5/8"	1-5/8"	3-3/4"
211-7217	3/4"	1/2"	1-5/8"	3-5/8"
211-7218	3/4"	3/4"	1-5/8"	3-7/8"
211-7219	13/16"	5/8"	1-5/8"	3-3/4"
211-7220	13/16"	3/4"	1-5/8"	3-7/8"
211-7221	7/8"	5/8"	1-7/8"	4"
211-7222	7/8"	3/4"	1-7/8"	4-1/8"
211-7223	7/8"	7/8"	1-7/8"	4-7/8"
211-7224	7/8"	1/2"	1-5/8"	3-5/8"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7225	15/16"	7/8"	1-7/8"	4-1/8"
211-7226	15/16"	5/8"	1-7/8"	4"
211-7227	1"	5/8"	1-7/8"	4"
211-7228	1"	3/4"	1-7/8"	4-1/8"
211-7229	1"	7/8"	1-7/8"	4-1/8"
211-7230	1"	1"	2"	4-1/2"
211-7231	1-1/8"	1"	2"	4-1/2"
211-7232	1-1/4"	1"	2"	4-1/2"
211-7233	1-1/4"	1-1/4"	2"	4-1/2"

Order No.	Size	Shank Dia.	Flute Length	Overall Length
211-7234	1-3/8"	1"	2"	4-1/2"
211-7235	1-3/8"	1-1/4"	2"	4-1/2"
211-7236	1-1/2"	1"	2"	4-1/2"
211-7237	1-1/2"	1-1/4"	2"	4-1/2"
211-7238	1-3/4"	1-1/4"	2"	4-1/2"
211-7239	2"	1-1/4"	2"	4-1/2"
211-7240	2"	2"	3"	5-3/4"
211-7241	2-1/2"	2"	4"	7-5/8"
211-7242	2-1/2"	2-1/2"	4"	8"

3/16" SHANK 2 FLUTE DOUBLE END MILL-M2 STEEL



Order No.	Size	Flute Length	Overall Length
210-0002	1/32"	3/32"	2-1/4"
210-0003	3/64"	9/64"	2-1/4"
210-0004	1/16"	3/16"	2-1/4"
210-0005	5/64"	15/64"	2-1/4"
210-0006	3/32"	9/32"	2-1/4"

Order No.	Size	Flute Length	Overall Length
210-0007	7/64"	21/64"	2-1/4"
210-0008	1/8"	3/8"	2-1/4"
210-0009	9/64"	13/32"	2-1/4"
210-0010	5/32"	7/16"	2-1/4"
210-0011	11/64"	1/2"	2-1/4"
210-0012	3/16"	1/2"	2-1/4"

3/16" SHANK 2 FLUTE DOUBLE END MILL-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-0102	1/32"	3/32"	2-1/4"
210-0103	3/64"	9/64"	2-1/4"
210-0104	1/16"	3/16"	2-1/4"
210-0105	5/64"	15/64"	2-1/4"
210-0106	3/32"	9/32"	2-1/4"

210-0107	7/64"	21/64"	2-1/4"
210-0108	1/8"	3/8"	2-1/4"
210-0109	9/64"	13/32"	2-1/4"
210-0110	5/32"	7/16"	2-1/4"
210-0111	11/64"	1/2"	2-1/4"
210-0112	3/16"	1/2"	2-1/4"

3/16" 2 SHANK FLUTE DOUBLE END MILL-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-0202	1/32"	3/32"	2-1/4"
210-0203	3/64"	9/64"	2-1/4"
210-0204	1/16"	3/16"	2-1/4"
210-0205	5/64"	15/64"	2-1/4"
210-0206	3/32"	9/32"	2-1/4"

210-0207	7/64"	21/64"	2-1/4"
210-0208	1/8"	3/8"	2-1/4"
210-0209	9/64"	13/32"	2-1/4"
210-0210	5/32"	7/16"	2-1/4"
210-0211	11/64"	1/2"	2-1/4"
210-0212	3/16"	1/2"	2-1/4"

3/16" SHANK 2 FLUTE DOUBLE END MILL-STUB LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-0302	1/32"	3/64"	2"
210-0303	3/64"	1/16"	2"
210-0304	1/16"	3/32"	2"
210-0305	5/64"	1/8"	2"
210-0306	3/32"	9/64"	2"

210-0307	7/64"	5/32"	2"
210-0308	1/8"	3/16"	2"
210-0309	9/64"	7/32"	2"
210-0310	5/32"	15/64"	2"
210-0311	11/64"	1/4"	2"
210-0312	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE DOUBLE END MILL-STUB LENGTH-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-0402	1/32"	3/64"	2"
210-0403	3/64"	1/16"	2"
210-0404	1/16"	3/32"	2"
210-0405	5/64"	1/8"	2"
210-0406	3/32"	9/64"	2"

210-0407	7/64"	5/32"	2"
210-0408	1/8"	3/16"	2"
210-0409	9/64"	7/32"	2"
210-0410	5/32"	15/64"	2"
210-0411	11/64"	1/4"	2"
210-0412	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE DOUBLE END MILL-STUB LENGTH-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-0502	1/32"	3/64"	2"
210-0503	3/64"	1/16"	2"
210-0504	1/16"	3/32"	2"
210-0505	5/64"	1/8"	2"
210-0506	3/32"	9/64"	2"

210-0507	7/64"	5/32"	2"
210-0508	1/8"	3/16"	2"
210-0509	9/64"	7/32"	2"
210-0510	5/32"	15/64"	2"
210-0511	11/64"	1/4"	2"
210-0512	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE DOUBLE END MILL-LONG LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-0604	1/16"	7/32"	2-1/2"
210-0605	5/64"	1/4"	2-1/2"
210-0606	3/32"	9/32"	2-5/8"
210-0607	7/64"	9/32"	2-5/8"

210-0608	1/8"	3/4"	3-1/8"
210-0609	9/64"	3/4"	3-1/8"
210-0610	5/32"	7/8"	3-1/4"
210-0611	11/64"	7/8"	3-1/4"
210-0612	3/16"	1"	3-3/8"

3/16" SHANK 2 FLUTE DOUBLE END MILL-LONG LENGTH-M2 AL STEEL

Order No.	Size	Flute Length	Overall Length
210-0704	1/16"	3/8"	2-1/2"
210-0705	5/64"	3/8"	2-1/2"
210-0706	3/32"	1/2"	2-5/8"
210-0707	7/64"	1/2"	2-5/8"

210-0708	1/8"	3/4"	3-1/8"
210-0709	9/64"	3/4"	3-1/8"
210-0710	5/32"	7/8"	3-1/4"
210-0711	11/64"	7/8"	3-1/4"
210-0712	3/16"	1"	3-3/8"

3/16" SHANK 2 FLUTE DOUBLE END MILL-LONG LENGTH-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-0804	1/16"	3/8"	2-1/2"
210-0805	5/64"	3/8"	2-1/2"
210-0806	3/32"	1/2"	2-5/8"
210-0807	7/64"	1/2"	2-5/8"

210-0808	1/8"	3/4"	3-1/8"
210-0809	9/64"	3/4"	3-1/8"
210-0810	5/32"	7/8"	3-1/4"
210-0811	11/64"	7/8"	3-1/4"
210-0812	3/16"	1"	3-3/8"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-M2 STEEL



Order No.	Size	Flute Length	Overall Length
210-1002	1/32"	3/32"	2-1/4"
210-1003	3/64"	9/64"	2-1/4"
210-1004	1/16"	3/16"	2-1/4"
210-1005	5/64"	15/64"	2-1/4"
210-1006	3/32"	9/32"	2-1/4"

Order No.	Size	Flute Length	Overall Length
210-1007	7/64"	21/64"	2-1/4"
210-1008	1/8"	3/8"	2-1/4"
210-1009	9/64"	13/32"	2-1/4"
210-1010	5/32"	7/16"	2-1/4"
210-1011	11/64"	1/2"	2-1/4"
210-1012	3/16"	1/2"	2-1/4"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-1102	1/32"	3/32"	2-1/4"
210-1103	3/64"	9/64"	2-1/4"
210-1104	1/16"	3/16"	2-1/4"
210-1105	5/64"	15/64"	2-1/4"
210-1106	3/32"	9/32"	2-1/4"

210-1107	7/64"	21/64"	2-1/4"
210-1108	1/8"	3/8"	2-1/4"
210-1109	9/64"	13/32"	2-1/4"
210-1110	5/32"	7/16"	2-1/4"
210-1111	11/64"	1/2"	2-1/4"
210-1112	3/16"	1/2"	2-1/4"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-1202	1/32"	3/32"	2-1/4"
210-1203	3/64"	9/64"	2-1/4"
210-1204	1/16"	3/16"	2-1/4"
210-1205	5/64"	15/64"	2-1/4"
210-1206	3/32"	9/32"	2-1/4"

210-1207	7/64"	21/64"	2-1/4"
210-1208	1/8"	3/8"	2-1/4"
210-1209	9/64"	13/32"	2-1/4"
210-1210	5/32"	7/16"	2-1/4"
210-1211	11/64"	1/2"	2-1/4"
210-1212	3/16"	1/2"	2-1/4"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-STUB LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-1302	1/32"	3/64"	2"
210-1303	3/64"	1/16"	2"
210-1304	1/16"	3/32"	2"
210-1305	5/64"	1/8"	2"
210-1306	3/32"	9/64"	2"

210-1307	7/64"	5/32"	2"
210-1308	1/8"	3/16"	2"
210-1309	9/64"	7/32"	2"
210-1310	5/32"	15/64"	2"
210-1311	11/64"	1/4"	2"
210-1312	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-STUB LENGTH-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-1402	1/32"	3/64"	2"
210-1403	3/64"	1/16"	2"
210-1404	1/16"	3/32"	2"
210-1405	5/64"	1/8"	2"
210-1406	3/32"	9/64"	2"

210-1407	7/64"	5/32"	2"
210-1408	1/8"	3/16"	2"
210-1409	9/64"	7/32"	2"
210-1410	5/32"	15/64"	2"
210-1411	11/64"	1/4"	2"
210-1412	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-STUB LENGTH-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-1502	1/32"	3/64"	2"
210-1503	3/64"	1/16"	2"
210-1504	1/16"	3/32"	2"
210-1505	5/64"	1/8"	2"
210-1506	3/32"	9/64"	2"

210-1507	7/64"	5/32"	2"
210-1508	1/8"	3/16"	2"
210-1509	9/64"	7/32"	2"
210-1510	5/32"	15/64"	2"
210-1511	11/64"	1/4"	2"
210-1512	3/16"	9/32"	2"

3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL-LONG LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-1604	1/16"	7/32"	2-1/2"
210-1605	5/64"	1/4"	2-1/2"
210-1606	3/32"	9/32"	2-5/8"
210-1607	7/64"	9/32"	2-5/8"

210-1608	1/8"	3/4"	3-1/8"
210-1609	9/64"	3/4"	3-1/8"
210-1610	5/32"	7/8"	3-1/4"
210-1611	11/64"	7/8"	3-1/4"
210-1612	3/16"	1"	3-3/8"

**3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL
-LONG LENGTH-M2AL STEEL**

Order No.	Size	Flute Length	Overall Length
210-1704	1/16"	3/8"	2-1/2"
210-1705	5/64"	3/8"	2-1/2"
210-1706	3/32"	1/2"	2-5/8"
210-1707	7/64"	1/2"	2-5/8"

210-1708	1/8"	3/4"	3-1/8"
210-1709	9/64"	3/4"	3-1/8"
210-1710	5/32"	7/8"	3-1/4"
210-1711	11/64"	7/8"	3-1/4"
210-1712	3/16"	1"	3-3/8"

**3/16" SHANK 2 FLUTE BALL NOSE DOUBLE END MILL
-LONG LENGTH-TIN COATED**

Order No.	Size	Flute Length	Overall Length
210-1804	1/16"	3/8"	2-1/2"
210-1805	5/64"	3/8"	2-1/2"
210-1806	3/32"	1/2"	2-5/8"
210-1807	7/64"	1/2"	2-5/8"

210-1808	1/8"	3/4"	3-1/8"
210-1809	9/64"	3/4"	3-1/8"
210-1810	5/32"	7/8"	3-1/4"
210-1811	11/64"	7/8"	3-1/4"
210-1812	3/16"	1"	3-3/8"

3/16" SHANK 4 FLUTE DOUBLE END MILL-M2 STEEL



Order No.	Size	Flute Length	Overall Length
210-2004	1/16"	3/16"	2-1/4"
210-2005	5/64"	15/64"	2-1/4"
210-2006	3/32"	9/32"	2-1/4"
210-2007	7/64"	21/64"	2-1/4"

210-2008	1/8"	3/8"	2-1/4"
210-2009	9/64"	13/32"	2-1/4"
210-2010	5/32"	7/16"	2-1/4"
210-2011	11/64"	1/2"	2-1/4"
210-2012	3/16"	1/2"	2-1/4"

3/16" SHANK 4 FLUTE DOUBLE END MILL-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-2104	1/16"	3/16"	2-1/4"
210-2105	5/64"	15/64"	2-1/4"
210-2106	3/32"	9/32"	2-1/4"
210-2107	7/64"	21/64"	2-1/4"

210-2108	1/8"	3/8"	2-1/4"
210-2109	9/64"	13/32"	2-1/4"
210-2110	5/32"	7/16"	2-1/4"
210-2111	11/64"	1/2"	2-1/4"
210-2112	3/16"	1/2"	2-1/4"

3/16" SHANK 4 FLUTE DOUBLE END MILL-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-2204	1/16"	3/16"	2-1/4"
210-2205	5/64"	15/64"	2-1/4"
210-2206	3/32"	9/32"	2-1/4"
210-2207	7/64"	21/64"	2-1/4"

210-2208	1/8"	3/8"	2-1/4"
210-2209	9/64"	13/32"	2-1/4"
210-2210	5/32"	7/16"	2-1/4"
210-2211	11/64"	1/2"	2-1/4"
210-2212	3/16"	1/2"	2-1/4"

3/16" SHANK 4 FLUTE DOUBLE END MILL-STUB LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-2304	1/16"	3/32"	2"
210-2305	5/64"	1/8"	2"
210-2306	3/32"	9/64"	2"
210-2307	7/64"	5/32"	2"

210-2308	1/8"	3/16"	2"
210-2309	9/64"	7/32"	2"
210-2310	5/32"	15/64"	2"
210-2311	11/64"	1/4"	2"
210-2312	3/16"	9/32"	2"

3/16" SHANK 4 FLUTE DOUBLE END MILL-STUB LENGTH-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-2404	1/16"	3/32"	2"
210-2405	5/64"	1/8"	2"
210-2406	3/32"	9/64"	2"
210-2407	7/64"	5/32"	2"

210-2408	1/8"	3/16"	2"
210-2409	9/64"	7/32"	2"
210-2410	5/32"	15/64"	2"
210-2411	11/64"	1/4"	2"
210-2412	3/16"	9/32"	2"

3/16" SHANK 4 FLUTE DOUBLE END MILL-STUB LENGTH-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-2504	1/16"	3/32"	2"
210-2505	5/64"	1/8"	2"
210-2506	3/32"	9/64"	2"
210-2507	7/64"	5/32"	2"

210-2508	1/8"	3/16"	2"
210-2509	9/64"	7/32"	2"
210-2510	5/32"	15/64"	2"
210-2511	11/64"	1/4"	2"
210-2512	3/16"	9/32"	2"

3/16" SHANK 4 FLUTE DOUBLE END MILL-LONG LENGTH-M2 STEEL

Order No.	Size	Flute Length	Overall Length
210-2604	1/16"	7/32"	2-1/2"
210-2605	5/64"	1/4"	2-1/2"
210-2606	3/32"	9/32"	2-5/8"
210-2607	7/64"	9/32"	2-5/8"

210-2608	1/8"	3/4"	3-1/8"
210-2609	9/64"	3/4"	3-1/8"
210-2610	5/32"	7/8"	3-1/4"
210-2611	11/64"	7/8"	3-1/4"
210-2612	3/16"	1"	3-3/8"

3/16" SHANK 4 FLUTE DOUBLE END MILL-LONG LENGTH-M2AL STEEL

Order No.	Size	Flute Length	Overall Length
210-2704	1/16"	3/8"	2-1/2"
210-2705	5/64"	3/8"	2-1/2"
210-2706	3/32"	1/2"	2-5/8"
210-2707	7/64"	1/2"	2-5/8"

210-2708	1/8"	3/4"	3-1/8"
210-2709	9/64"	3/4"	3-1/8"
210-2710	5/32"	7/8"	3-1/4"
210-2711	11/64"	7/8"	3-1/4"
210-2712	3/16"	1"	3-3/8"

3/16" SHANK 4 FLUTE DOUBLE END MILL-LONG LENGTH-TIN COATED

Order No.	Size	Flute Length	Overall Length
210-2804	1/16"	3/8"	2-1/2"
210-2805	5/64"	3/8"	2-1/2"
210-2806	3/32"	1/2"	2-5/8"
210-2807	7/64"	1/2"	2-5/8"

210-2808	1/8"	3/4"	3-1/8"
210-2809	9/64"	3/4"	3-1/8"
210-2810	5/32"	7/8"	3-1/4"
210-2811	11/64"	7/8"	3-1/4"
210-2812	3/16"	1"	3-3/8"

3-IN-1 115PCS INCH DRILL SET



*1/16" to 1/2" by 64th,
A to Z, #1 to #60.
*Metal box

Order NO.	Drill Finish
203-1000	Tin-Coated and Ground
203-2000	Bright and Ground
203-3000	Milled and Polished
203-4000	Rolled and Polished
203-5000	Rolled and Black Oxide
203-6000	Rolled and Tin Coated

29PCS INCH DRILL SET



*1/16" to 1/2"
by 64th,
*Metal box

Order NO.	Drill Finish
203-1001	Tin-Coated and Ground
203-2001	Bright and Ground
203-3001	Milled and Polished
203-4001	Rolled and Polished
203-5001	Rolled and Black Oxide
203-6001	Rolled and Tin Coated

SILVER AND DEMING DRILL



Order No.	Shank Dia.	Piece/Set	Drills
204-0001	1/2"	5	17/32", 9/16", 5/8", 3/4", 1"
204-0002	1/2"	5	9/16", 5/8", 3/4", 7/8", 1"
204-0003	1/2"	8	9/16" to 1" by 16th
204-0004	1/2"	8	1-1/16" to 1-1/2" by 16th
204-0005	1/2"	10	9/16" to 1" by 16th, 1-1/8", 1-1/4"
204-0006	1/2"	12	9/16" to 1-1/4" by 16th
204-0007	1/2"	16	17/32" to 1" by 32nd
204-0008	1/2"	17	17/32" to 1-1/32" by 32nd
204-0009	1/2"	32	33/64" to 1" by 64th
204-0010	1/2"	40	33/64" to 1" by 64th, 1-1/16" to 1-1/2" by 16th
204-0011	3/4"	5	1" to 1-1/2" by 8th

INDIVIDUAL SIZE C2 AND C6

Order No.	Shank Dia.	Length	Bore Depth	Min.bore
201-0101	3/8"	2"	3/4"	5/16"
201-0102	3/8"	2-3/8"	1-1/8"	5/16"
201-0103	3/8"	2-3/4"	1-1/2"	5/16"
201-0104	3/8"	2-3/16"	15/16"	3/8"
201-0105	3/8"	2-21/32"	1-13/32"	3/8"
201-0106	3/8"	3-1/8"	1-7/8"	3/8"
201-0107	3/8"	2-3/8"	1-1/8"	7/16"
201-0108	3/8"	3-15/16"	1-11/16"	7/16"
201-0109	3/8"	3-1/2"	2-1/4"	7/16"
201-0201	1/2"	2-1/4"	3/4"	5/16"
201-0202	1/2"	2-5/8"	1-1/8"	5/16"
201-0203	1/2"	3"	1-1/2"	5/16"
201-0204	1/2"	2-5/8"	1-1/8"	7/16"
201-0205	1/2"	3-3/16"	1-11/16"	7/16"
201-0206	1/2"	3-3/4"	2-1/4"	7/16"
201-0207	1/2"	3"	1-1/2"	9/16"
201-0208	1/2"	3-3/4"	2-1/4"	9/16"
201-0209	1/2"	4-1/2"	3"	9/16"
201-0301	5/8"	2-1/4"	3/4"	5/16"
201-0302	5/8"	2-5/8"	1-1/8"	5/16"
202-0303	5/8"	3"	1-1/2"	5/16"
201-0304	5/8"	2-5/8"	1-1/8"	7/16"
201-0305	5/8"	3-3/16"	1-11/16"	7/16"
201-0306	5/8"	3-3/4"	2-1/4"	7/16"
201-0307	5/8"	3"	1-1/2"	9/16"
201-0308	5/8"	3-3/4"	2-1/4"	9/16"
201-0309	5/8"	4-1/2"	3"	9/16"
201-0310	5/8"	3-3/8"	1-7/8"	11/16"
201-0311	5/8"	4-5/16"	2-13/16"	11/16"
201-0312	5/8"	5-1/4"	3-3/4"	11/16"
201-0401	3/4"	3-1/8"	1-1/8"	7/16"
201-0402	3/4"	3-11/16"	1-11/16"	7/16"
201-0403	3/4"	4-1/4"	2-1/4"	7/16"
201-0404	3/4"	3-1/2"	1-1/2"	9/16"
201-0405	3/4"	4-1/4"	2-1/4"	9/16"
201-0406	3/4"	5"	3"	9/16"
201-0407	3/4"	3-7/8"	1-7/8"	11/16"
201-0408	3/4"	4-13/16"	2-13/16"	11/16"
201-0409	3/4"	5-3/4"	3-3/4"	11/16"
201-0410	3/4"	4-1/4"	2-1/4"	13/16"
201-0411	3/4"	5-3/8"	3-3/8"	13/16"
201-0412	3/4"	6-1/2"	4-1/2"	13/16"
201-0501	1"	5.0"	3.0"	9/16"
201-0502	1"	5-3/4"	3-3/4"	11/16"
201-0503	1"	6-1/2"	4-1/2"	7/8"
201-0504	1"	6-1/2"	4-1/2"	1-1/16"
201-0505	1"	7-3/4"	5-3/4"	1-1/4"
201-0506	1"	8-1/4"	6-1/4"	1-1/2"
201-0507	1"	9-1/2"	7-1/2"	1-5/8"

Order No.	Shank Dia.	Length	Bore Depth	Min.bore
201-1101	3/8"	2"	3/4"	5/16"
201-1102	3/8"	2-3/8"	1-1/8"	5/16"
201-1103	3/8"	2-3/4"	1-1/2"	5/16"
201-1104	3/8"	2-3/16"	15/16"	3/8"
201-1105	3/8"	2-21/32"	1-13/32"	3/8"
201-1106	3/8"	3-1/8"	1-7/8"	3/8"
201-1107	3/8"	2-3/8"	1-1/8"	7/16"
201-1108	3/8"	3-15/16"	1-11/16"	7/16"
201-1109	3/8"	3-1/2"	2-1/4"	7/16"
201-1201	1/2"	2-1/4"	3/4"	5/16"
201-1202	1/2"	2-5/8"	1-1/8"	5/16"
201-1203	1/2"	3"	1-1/2"	5/16"
201-1204	1/2"	2-5/8"	1-1/8"	7/16"
201-1205	1/2"	3-3/16"	1-11/16"	7/16"
201-1206	1/2"	3-3/4"	2-1/4"	7/16"
201-1207	1/2"	3"	1-1/2"	9/16"
201-1208	1/2"	3-3/4"	2-1/4"	9/16"
201-1209	1/2"	4-1/2"	3"	9/16"
201-1301	5/8"	2-1/4"	3/4"	5/16"
201-1302	5/8"	2-5/8"	1-1/8"	5/16"
202-1303	5/8"	3"	1-1/2"	5/16"
201-1304	5/8"	2-5/8"	1-1/8"	7/16"
201-1305	5/8"	3-3/16"	1-11/16"	7/16"
201-1306	5/8"	3-3/4"	2-1/4"	7/16"
201-1307	5/8"	3"	1-1/2"	9/16"
201-1308	5/8"	3-3/4"	2-1/4"	9/16"
201-1309	5/8"	4-1/2"	3"	9/16"
201-1310	5/8"	3-3/8"	1-7/8"	11/16"
201-1311	5/8"	4-5/16"	2-13/16"	11/16"
201-1312	5/8"	5-1/4"	3-3/4"	11/16"
201-1401	3/4"	3-1/8"	1-1/8"	7/16"
201-1402	3/4"	3-11/16"	1-11/16"	7/16"
201-1403	3/4"	4-1/4"	2-1/4"	7/16"
201-1404	3/4"	3-1/2"	1-1/2"	9/16"
201-1405	3/4"	4-1/4"	2-1/4"	9/16"
201-1406	3/4"	5"	3"	9/16"
201-1407	3/4"	3-7/8"	1-7/8"	11/16"
201-1408	3/4"	4-13/16"	2-13/16"	11/16"
201-1409	3/4"	5-3/4"	3-3/4"	11/16"
201-1410	3/4"	4-1/4"	2-1/4"	13/16"
201-1411	3/4"	5-3/8"	3-3/8"	13/16"
201-1412	3/4"	6-1/2"	4-1/2"	13/16"
201-1501	1"	5.0"	3.0"	9/16"
201-1502	1"	5-3/4"	3-3/4"	11/16"
201-1503	1"	6-1/2"	4-1/2"	7/8"
201-1504	1"	6-1/2"	4-1/2"	1-1/16"
201-1505	1"	7-3/4"	5-3/4"	1-1/4"
201-1506	1"	8-1/4"	6-1/4"	1-1/2"
201-1507	1"	9-1/2"	7-1/2"	1-5/8"

DOUBLE END BORING BAR



Order No.	Shank Dia.	Length	For Bit Size
201-3001	1/4"	5"	5/32"round
201-3002	5/16"	6"	3/16"Round
201-3003	3/8"	6"	3/16"round
201-3004	1/2"	6"	3/16"square
201-3005	1/2"	6"	1/4"square
201-3006	1/2"	9"	1/4"square
201-3007	9/16"	6-1/2"	1/4"square

*Double end boring bars 90° and 45°.
 *Broached holes for standard HSS, carbide tool bits.
 *Black oxide finished. *Bits not included.

Order No.	Shank Dia.	Length	For Bit Size
201-3008	5/8"	10"	1/4"square
201-3009	3/4"	12"	1/4"square
201-3010	1"	12"	1/4"square
201-3011	1"	12"	5/16"square
201-3012	1-1/4"	16"	1/2"square
201-3013	1-1/2"	18"	1/2"square

45° SINGLE END BORING BAR



Order No.	Shank Dia.	Length	For Bit Size
201-3101	1/4"	2-1/2"	5/32"round
201-3102	5/16"	3"	3/16"Round
201-3103	3/8"	3"	3/16"round
201-3104	1/2"	3"	3/16"square
201-3105	1/2"	3"	1/4"square
201-3106	1/2"	4-1/2"	1/4"square
201-3107	9/16"	4-1/2"	1/4"square

*Single end 45° boring bars.
 *Broached holes for standard HSS, carbide tool bits.
 *Black oxide finished. *Bits not included.

Order No.	Shank Dia.	Length	For Bit Size
201-3108	5/8"	5"	1/4"square
201-3109	3/4"	6"	1/4"square
201-3110	1"	6"	1/4"square
201-3111	1"	6"	5/16"square
201-3112	1-1/4"	8"	1/2"square
201-3113	1-1/2"	9"	1/2"square

90° SINGLE END BORING BAR



Order No.	Shank Dia.	Length	For Bit Size
201-3201	1/4"	2-1/2"	5/32"round
201-3202	5/16"	3"	3/16"Round
201-3203	3/8"	3"	3/16"round
201-3204	1/2"	3"	3/16"square
201-3205	1/2"	3"	1/4"square
201-3206	1/2"	4-1/2"	1/4"square
201-3207	9/16"	4-1/2"	1/4"square

*Single end 90° boring bars.
 *Broached holes for standard HSS, carbide tool bits.
 *Black oxide finished. *Bits not included.

Order No.	Shank Dia.	Length	For Bit Size
201-3208	5/8"	5"	1/4"square
201-3209	3/4"	6"	1/4"square
201-3210	1"	6"	1/4"square
201-3211	1"	6"	5/16"square
201-3212	1-1/4"	8"	1/2"square
201-3213	1-1/2"	9"	1/2"square

CARBIDE TIPPED BORING BAR

Order No.	Shank Dia.	Piece/Set	Grade
201-0001	3/8"	9	C2-Cast Iron
201-0002	1/2"	9	
201-0003	5/8"	12	
201-0004	3/4"	12	
201-0005	1"	12	
201-1001	3/8"	9	C6-Steel
201-1002	1/2"	9	
201-1003	5/8"	12	
201-1004	3/4"	12	
201-1005	1"	12	



20PCS TAP AND DIE SET-METRIC

Set includes:
 One tap and one die of each of the following size:
 3x0.5, 4x0.7, 5x0.8, 6x1.0, 7x1.0, 8x1.25, 9x1.25,
 10x1.5, 12x1.75.
 One tap wrench. One die wrench 25.4mm O.D.
 Material: Alloy Steel.

Order No. 200-1020**40PCS METRIC TAP AND DIE SET**

Set includes:
 One tap and round adjustable die of each size shown:
 3x0.5, 3x0.6, 4x0.7, 4x0.75, 5x0.8, 5x0.9, 6x0.75, 6x1.0, 7x0.75, 7x1.0, 8x1.0, 8x1.25, 10x1.25, 10x1.5, 12x1.5,
 12x1.75 1/8-28 BSP.
 One adjustable die stock.
 One adjustable handle tap wrench.
 One T-tap wrench. One screw pitch gage.
 One screw driver. One plastic box.
 Material: Alloy Steel.

Order No. 200-1040**45PCS METRIC TAP AND DIE SET**

Set includes:
 One plug tap and one round die of the following size:
 6mmx0.75, 6mmx1.0, 8mmx1.0, 8mmx1.25, 10mmx1.25,
 10mmx1.50, 12mmx1.5, 12mmx1.75, 14mmx1.5, 14mmx2.0,
 16mmx1.5, 16mmx2.0, 18mmx1.5, 18mmx2.5, 20mmx1.5,
 20mmx2.5, 22mmx1.5, 22mmx2.5, 24mmx1.5, 24mmx3.0.
 One adjustable die stock with adaptor.
 One adjustable handle tap wrench.
 One T-tap wrench. One screw driver. One plastic box
 Material: Alloy Steel.

Order No. 200-1045

60PCS TAP AND DIE SET



Order No. 200-1060

Set includes:

One tap and one die of each of the following size:
 M3x0.5, M4x0.7, M5x0.8, M6x1, M7x1, M8x1.25, M9x1.25, M10x1.5, M10x1, M12x1.75, 4-40UNC, 6-32UNC, 8-32UNC, 10-24UNC, 12-24UNC, 1/4"-20UNC, 5/16"-18UNC, 3/8"-16UNC, 7/16"-14UNC, 1/2"-13UNC, 10-32UNF, 1/4"-18UNF, 5/16"-24UNF, 3/8"-24UNF, 7/16"-20UNF, 1/2"-20UNF, 1/8"-27NPT.
 One tap wrench-American patten 1/2"capacity.
 One T-type tap wrench 1/4"capacity.
 One die handle 1" O.D.
 One screw driver. One screw pitch gauge.
 Material: Alloy Steel.

100PCS TAP AND DIE SET



Order No. 200-1100

Set includes:

Two taps and one die of each of the following size:
 6 UNF taps and dies: 10-32, 1/4"-28, 5/16"-24, 3/8"-24, 7/16"-20, 1/2"-20.
 17 UNC taps and dies: 3mmx0.5, 4mmx0.7, 5mmx0.8, 6mmx1, 8mmx1.25, 10mmx1.5, 12mmx1.75, 4-40, 6-32, 8-32, 10-24, 12-24, 1/4"-20, 5/16"-18, 3/8"-16, 7/16"-14, 1/2"-13, 1/8"-27 NPT.
 Drills: 2.5mm, 3.3mm, 4.2mm, 5mm, 6.8mm, 8.6mm, 10.3mm, 3/32", 7/64", 9/64", 5/32, 11/64", 3/16", 13/64", 7/32", 17/64", 9/32", 5/16", 11/32", 3/8", 25/64", 27/64", 29/64".
 One tap wrench. One T-type tap wrench.
 One die wrench 25mm O.D.
 One screw driver. One metal box.
 Material: Alloy Steel.

20PCS TAP AND DIE SET-INCH

Set includes:

One tap and one 1" O.D. round die of each size:
 6-32UNC, 8-32UNC, 10-24UNC, 12-24UNC, 1/4"-20UNC, 5/16"-18UNC, 3/8"-16UNC, 7/16"-14UNC, 1/2"-13UNC.
 One tap wrench. One die wrench 1" O.D.
 Material: Alloy Steel.

Order No. 200-1120



40PCS INCH TAP AND DIE SET



Order No. 200-1140

Set includes:

One plug tap and 1" O.D. round die of each size shown:
 4-40NC, 6-32NC, 8-32NC, 10-24NC, 12-24NC, 1/4"-20NC, 5/16"-18NC, 3/8"-16NC, 7/16"-14NC, 1/2"-13NC, 10-32NF, 1/4"-28NF, 5/16"-24NF, 3/8"-24NF, 7/16"-20NF, 1/2"-20NF, 1/8"-27 NPT.
 One adjustable die stock.
 One adjustable handle tap wrench.
 One T-tap wrench. One screw pitch gage.
 One screw driver. One plastic box
 Material: Alloy Steel.

45PCS INCH TAP AND DIE SET



Order No. 200-1145

Set includes:

One plug tap and 1-1/2" and 2" O.D. round die of each size shown:
 1/4"-20NC, 5/16"-18NC, 3/8"-16NC, 7/16"-14NC, 1/2"-13NC, 9/16"-12NC, 5/8"-11NC, 3/4"-10NC, 7/9"-9NC, 1"-8NC, 1/4"-18NF, 5/16"-24NF, 3/8"-24NF, 7/16"-20NF, 1/2"-20NF, 9/16"-18NF, 5/8"-18NF, 3/4"-16NF, 7/8"-14NF, 1"-14NF.
 One adjustable die stock with adaptor.
 One adjustable handle tap wrench.
 One T-tap wrench. One screw driver. One plastic box
 Material: Alloy Steel.

110PCS INCH TAP AND DIE SET



Order No. 200-1110

Set includes:

One plug tap, one tap and one die of each of the following size:
 M2x0.4, M3x0.5, M4x0.7, M5x0.8, M6x1, M6x0.75, M7x1, M7x0.75, M8x0.75, M8x1, M8x1.25, M9x0.75, M9x1, M9x1.25, M10x1.5, M10x1.25, M10x0.75, M10x1, M11x1.5, M11x1.25, M11x1, M11x0.75, M12x0.75, M12x1, M12x1.25, M12x1.5, M12x1.75, M14x2, M14x1.5, M14x1, M14x1.25, M16x2, M16x1.5, M16x1.0, M18x1.5.
 One die handle 1"O.D.
 One die handle 1/2"O.D.
 Two taps wrench. One T tape tap wrench.
 Material: Alloy Steel.

HSS. SQUARE TOOL BITS-METRIC

Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size
200-0001	3x3x60mm	200-0017	7x7x80mm	200-0033	12x12x200mm	200-0049	25x25x100mm
200-0002	3x3x80mm	200-0018	7x7x100mm	200-0034	14x14x100mm	200-0050	25x25x125mm
200-0003	3x3x100mm	200-0019	7x7x150mm	200-0035	14x14x125mm	200-0051	25x25x150mm
200-0004	3x3x150mm	200-0020	7x7x200mm	200-0036	14x14x150mm	200-0052	25x25x200mm
200-0005	3x3x200mm	200-0021	8x8x60mm	200-0037	14x14x200mm	200-0053	25x25x250mm
200-0006	4x4x60mm	200-0022	8x8x80mm	200-0038	16x16x100mm	200-0054	32x32x100mm
200-0007	4x4x80mm	200-0023	8x8x100mm	200-0039	16x16x125mm	200-0055	32x32x125mm
200-0008	5x5x100mm	200-0024	8x8x150mm	200-0040	16x16x150mm	200-0056	32x32x150mm
200-0009	5x5x150mm	200-0025	8x8x200mm	200-0041	16x16x200mm	200-0057	32x32x200mm
200-0010	5x5x200mm	200-0026	10x10x100mm	200-0042	18x18x100mm	200-0058	32x32x250mm
200-0011	6x6x60mm	200-0027	10x10x125mm	200-0043	18x18x125mm	200-0059	38x38x150mm
200-0012	6x6x80mm	200-0028	10x10x150mm	200-0044	18x18x150mm	200-0060	38x38x200mm
200-0013	6x6x100mm	200-0029	10x10x200mm	200-0045	18x18x200mm	200-0061	38x38x250mm
200-0014	6x6x150mm	200-0030	12x12x100mm	200-0046	20x20x125mm	200-0062	50x50x200mm
200-0015	6x6x200mm	200-0031	12x12x125mm	200-0047	20x20x150mm	200-0063	50x50x250mm
200-0016	7x7x60mm	200-0032	12x12x150mm	200-0048	20x20x200mm		

HSS. SQUARE TOOL BITS-INCH

Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size
200-0101	1/8"x1/8"x2-1/2"	200-0122	5/16"x5/16"x8"	200-0143	7/8"x7/8"x4"
200-0102	1/8"x1/8"x4"	200-0123	3/8"x3/8"x3"	200-0144	7/8"x7/8"x5"
200-0103	1/8"x1/8"x6"	200-0124	3/8"x3/8"x4"	200-0145	7/8"x7/8"x6"
200-0104	1/8"x1/8"x8"	200-0125	3/8"x3/8"x6"	200-0146	7/8"x7/8"x8"
200-0105	3/16"x3/16"x2"	200-0126	3/8"x3/8"x8"	200-0147	1"x1"x4"
200-0106	3/16"x3/16"x2-1/2"	200-0127	7/16"x7/16"x3-1/2"	200-0148	1"x1"x5"
200-0107	3/16"x3/16"x3"	200-0128	7/16"x7/16"x4"	200-0149	1"x1"x6"
200-0108	3/16"x3/16"x4"	200-0129	7/16"x7/16"x6"	200-0150	1"x1"x7"
200-0109	3/16"x3/16"x5"	200-0130	7/16"x7/16"x8"	200-0151	1"x1"x8"
200-0110	3/16"x3/16"x6"	200-0131	1/2"x1/2"x3"	200-0152	1-1/8"x1/8"x5"
200-0111	3/16"x3/16"x8"	200-0132	1/2"x1/2"x4"	200-0153	1-1/8"x1/8"x6"
200-0112	1/4"x1/4"x2-1/2"	200-0133	1/2"x1/2"x6"	200-0154	1-1/8"x1/8"x7"
200-0113	1/4"x1/4"x3"	200-0134	1/2"x1/2"x8"	200-0155	1-1/8"x1/8"x8"
200-0114	1/4"x1/4"x4"	200-0135	5/8"x5/8"x4"	200-0156	1-1/4"x1-1/4"x6"
200-0115	1/4"x1/4"x6"	200-0136	5/8"x5/8"x4-1/2"	200-0157	1-1/4"x1-1/4"x7"
200-0116	1/4"x1/4"x8"	200-0137	5/8"x5/8"x6"	200-0158	1-1/4"x1-1/4"x8"
200-0117	5/16"x5/16"x2-1/2"	200-0138	5/8"x5/8"x8"	200-0159	1-1/2"x1-1/2"x8"
200-0118	5/16"x5/16"x3"	200-0139	3/4"x3/4"x4"	200-0160	1-1/2"x1-1/2"x10"
200-0119	5/16"x5/16"x3-1/2"	200-0140	3/4"x3/4"x5"	200-0161	2"x2"x8"
200-0120	5/16"x5/16"x4"	200-0141	3/4"x3/4"x6"	200-0162	2"x2"x10"
200-0121	5/16"x5/16"x6"	200-0142	3/4"x3/4"x8"		

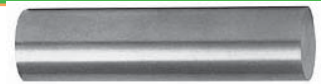
T TYPE CUT-OFF BLADE HSS.

Order No.	Width	Height	Length
200-0701	1/16"	11/16"	5"
200-0702	3/32"	1/2"	4-1/2"
200-0703	3/32"	5/8"	5"
200-0704	1/8"	3/4"	5"
200-0705	1/8"	7/8"	6"



Order No.	Width	Height	Length
200-0706	3/16"	1"	6-1/2"
200-0707	3/16"	1-1/8"	7"
200-0708	1/4"	1-1/8"	7"
200-0709	1/4"	1-1/4"	7"
200-0710	1/4"	1-3/8"	7"

HSS. ROUND TOOL BITS-INCH



Order No.	Dia. X Length	Order No.	Dia. X Length	Order No.	Dia. X Length	Order No.	Dia. X Length
200-0201	1/8"x2-1/2"	200-0213	1/4"x4"	200-0225	3/8"x6"	200-0237	5/8"x5"
200-0202	1/8"x3"	200-0214	1/4"x6"	200-0226	3/8"x8"	200-0238	5/8"x6"
200-0203	1/8"x4"	200-0215	1/4"x8"	200-0227	7/16"x4"	200-0239	5/8"x8"
200-0204	1/8"x6"	200-0216	5/16"x2-1/2"	200-0228	7/16"x5"	200-0240	3/4"x4"
200-0205	1/8"x8"	200-0217	5/16"x3"	200-0229	7/16"x6"	200-0241	3/4"x5"
200-0206	3/16"x2-1/2"	200-0218	5/16"x4"	200-0230	7/16"x8"	200-0242	3/4"x6"
200-0207	3/16"x3"	200-0219	5/16"x6"	200-0231	1/2"x3"	200-0243	3/4"x8"
200-0208	3/16"x4"	200-0220	5/16"x8"	200-0232	1/2"x4"	200-0244	1"x4"
200-0209	3/16"x6"	200-0221	3/8"x3"	200-0233	1/2"x5"	200-0245	1"x5"
200-0210	3/16"x8"	200-0222	3/8"x4"	200-0234	1/2"x6"	200-0246	1"x6"
200-0211	1/4"x2-1/2"	200-0223	3/8"x5"	200-0235	1/2"x8"	200-0247	1"x8"
200-0212	1/4"x3"	200-0224	3/8"x5"	200-0236	5/8"x4"		

HSS. ROUND TOOL BITS-METRIC



Order No.	Dia. X Length	Order No.	Dia. X Length	Order No.	Dia. X Length	Order No.	Dia. X Length
200-0301	2x50mm	200-0314	5x125mm	200-0327	8x200mm	200-0340	16x100mm
200-0302	2.5x50mm	200-0315	5x150mm	200-0328	10x80mm	200-0341	16x150mm
200-0303	3x60mm	200-0316	5x200mm	200-0329	10x100mm	200-0342	16x200mm
200-0304	3x100mm	200-0317	6x80mm	200-0330	10x125mm	200-0343	18x100mm
200-0305	3x150mm	200-0318	6x100mm	200-0331	10x150mm	200-0344	18x150mm
200-0306	3x200mm	200-0319	6x125mm	200-0332	10x200mm	200-0345	18x200mm
200-0307	4x60mm	200-0320	6x150mm	200-0333	12x100mm	200-0346	20x100mm
200-0308	4x80mm	200-0321	6x200mm	200-0334	12x125mm	200-0347	20x150mm
200-0309	4x100mm	200-0322	8x60mm	200-0335	12x150mm	200-0348	20x200mm
200-0310	4x125mm	200-0323	8x80mm	200-0336	12x200mm	200-0349	25x100mm
200-0311	4x150mm	200-0324	8x100mm	200-0337	14x100mm	200-0350	25x150mm
200-0312	5x80mm	200-0325	8x125mm	200-0338	14x150mm	200-0351	25x200mm
200-0313	5x100mm	200-0326	8x150mm	200-0339	14x200mm		



HSS. RECTANGULAR TOOL BITS-INCH

Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size
200-0401	1/8"x1/2"x4"	200-0412	5/16"x3/8"x4"	200-0423	3/8"x3/4"x5"	200-0434	5/8"x1"x7"
200-0402	1/4"x3/8"x3"	200-0413	5/16"x7/16"x3"	200-0424	3/8"x3/4"x6"	200-0435	5/8"x1-1/4"x6"
200-0403	1/4"x3/8"x4"	200-0414	5/16"x1/2"x4"	200-0425	3/8"x1"x6"	200-0436	5/8"x1-1/4"x7"
200-0404	1/4"x3/8"x6"	200-0415	5/16"x3/4"x4"	200-0426	1/2"x3/4"x4"	200-0437	5/8"x1-1/2"x7"
200-0405	1/4"x1/2"x3"	200-0416	5/16"x1"x6"	200-0427	1/2"x3/4"x5"	200-0438	3/4"x1"x6"
200-0406	1/4"x1/2"x4"	200-0417	3/8"x1/2"x3"	200-0428	1/2"x3/4"x6"	200-0439	3/4"x1"x7"
200-0407	1/4"x1/2"x6"	200-0418	3/8"x1/2"x4"	200-0429	1/2"x1"x7"	200-0440	3/4"x1-1/4"x6"
200-0408	1/4"x3/4"x4"	200-0419	3/8"x5/8"x4"	200-0430	1/2"x1-1/4"x7"	200-0441	3/4"x1-1/4"x7"
200-0409	1/4"x3/4"x5"	200-0420	3/8"x5/8"x5"	200-0431	1/2"x1-1/2"x7"	200-0442	3/4"x1-1/2"x7"
200-0410	1/4"x3/4"x6"	200-0421	3/8"x5/8"x6"	200-0432	5/8"x3/4"x5"	200-0443	1"x1-1/4"x6"
200-0411	1/4"x1"x6"	200-0422	3/8"x3/4"x4"	200-0433	5/8"x7/8"x6"	200-0444	1"x1-1/4"x7"
						200-0445	1"x1-1/2"x7"

HSS RECTANGULAR TOOL BITS -METRIC



Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size	Order No.	Bit Size
200-0501	3x13x100mm	200-0516	8x10x150mm	200-0531	10x16x125mm	200-0549	16x20x100mm
200-0502	6x10x75mm	200-0517	8x13x100mm	200-0532	10x16x150mm	200-0550	16x20x125mm
200-0503	6x10x100mm	200-0518	8x13x125mm	200-0533	10x20x100mm	200-0551	16x20x150mm
200-0504	6x10x100mm	200-0519	8x13x150mm	200-0534	10x20x125mm	200-0552	16x25x125mm
200-0505	6x10x125mm	200-0520	8x20x100mm	200-0535	10x20x150mm	200-0553	16x25x150mm
200-0506	6x10x150mm	200-0521	8x20x125mm	200-0536	10x25x100mm	200-0554	16x25x175mm
200-0507	6x13x75mm	200-0522	8x20x150mm	200-0537	10x25x125mm	200-0555	16x32x125mm
200-0508	6x13x100mm	200-0523	8x25x100mm	200-0538	10x25x150mm	200-0556	16x32x150mm
200-0509	6x13x125mm	200-0524	8x25x125mm	200-0539	13x20x100mm	200-0557	16x32x175mm
200-0510	6x13x150mm	200-0525	8x25x150mm	200-0540	13x20x125mm	200-0558	22x25x150mm
200-0511	6x20x100mm	200-0526	10x13x75mm	200-0541	13x20x150mm	200-0559	22x25x175mm
200-0512	6x20x125mm	200-0527	10x13x100mm	200-0542	13x20x175mm	200-0560	22x32x150mm
200-0513	6x20x150mm	200-0528	10x13x125mm	200-0543	13x25x100mm	200-0561	22x32x175mm
200-0514	8x10x100mm	200-0529	10x13x150mm	200-0544	13x25x125mm	200-0562	22x38x150mm
200-0515	8x10x125mm	200-0530	10x16x100mm	200-0545	13x25x150mm	200-0563	22x38x175mm
				200-0546	13x25x175mm	200-0564	25x32x150mm
				200-0547	13x32x150mm	200-0565	25x32x175mm
				200-0548	13x32x175mm	200-0566	25x38x175mm

COUNTERSINK AND DEBURRING TOOL

Order No.	Range of Hole	Pieces/Set	Degrees
230-0001	1/16"-15/64", 5/32" to 13/32", 3/16" to 17/32", 5/16" to 25/32", 9/16" to 1-1/16"	5pcs	60°
230-0002		5pcs	82°
230-0003		5pcs	90°



INDIVIDUAL SIZE

Order No.	Range of Hole	Shank Dia.	Degrees
230-0020	1/16"-15/64"	1/4"	60°
230-0021	5/32"-13/32"	1/4"	
230-0022	3/16"-17/32"	1/4"	
230-0023	5/16"-25/32"	1/2"	
230-0024	9/16"-1-1/16"	1/2"	
230-0025	5/8"-1-15/32"	1/2"	
230-0026	3/4"-1-3/4"	5/8"	
230-0027	1"-2"	5/8"	
230-0028	1-1/4"-2-1/2"	3/4"	
230-0030	1/16"-15/64"	1/4"	
230-0031	5/32"-13/32"	1/4"	
230-0032	3/16"-17/32"	1/4"	
230-0033	5/16"-25/32"	1/2"	
230-0034	9/16"-1-1/16"	1/2"	
230-0035	5/8"-1-15/32"	1/2"	
230-0036	3/4"-1-3/4"	5/8"	
230-0037	1"-2"	5/8"	
230-0038	1-1/4"-2-1/2"	3/4"	90°
230-0040	1/16"-15/64"	1/4"	
230-0041	5/32"-13/32"	1/4"	
230-0042	3/16"-17/32"	1/4"	
230-0043	5/16"-25/32"	1/2"	
230-0044	9/16"-1-1/16"	1/2"	90°
230-0045	5/8"-1-15/32"	1/2"	
230-0046	3/4"-1-3/4"	5/8"	
230-0047	1"-2"	5/8"	
230-0048	1-1/4"-2-1/2"	3/4"	90°

DEBURRING TOOL

Order No. 230-0100

- *Universal handle.
- *1 each of blade 10 and blade 20.
- *Blade holder B.



THROW-AWAY DEBURRING TOOL

Order No. 230-0200

*With blade 100E

