

# CONTENTS

Series no.	Std. range/ page	Feeds & Speeds	Description	Tool Material	Finish
160	70	N/A	For composite mat'ls, high performance, (Type N) screw machine length, 90° point, straight shank, RH	Carbide	Diamond coated
170	70	N/A	For composite mat'ls, (Type N) screw machine length, 90° point, straight shank, RH	Carbide	bright finish
205	71	424	General purpose (Type N), jobber length, 118° point, standard straight shank, RH	HSS	bright/steam oxide >2.36
206	76	424	Low Helix (Type H), jobber length, 118° point, standard straight shank, RH	HSS	bright finish
207	79	425	High Helix (Type W), jobber length, 130° point, standard straight shank, RH	HSS	bright finish
208	82	425	General purpose (Type N), jobber length, 118° point, standard straight shank, RH	HSS	bright/steam oxide >6.00
217	85	426	General purpose (Type N), taper length, 118° point, standard straight shank, RH	HSS	bright/steam oxide >2.36
219	88	426	High Helix (Type W), taper length, 130° point, standard straight shank, RH	HSS	bright finish
223	90	427	General purpose (Type N), stub length, 118° point, standard straight shank, RH	HSS	bright/steam oxide >2.36
224	94	427	Low Helix (Type H), stub length, 118° point, standard straight shank, RH	HSS	bright finish
225	96	428	High Helix (Type W), stub length, 130° point, standard straight shank, RH	HSS	bright finish
226	98	428	General purpose (Type N), stub length, 118° point, standard straight shank, LH	HSS	bright/steam oxide >6.00
235	101	429	General purpose (Type N), extra length #1, 118° point, standard straight shank, RH	HSS	bright/steam oxide >2.36
245	102	429	General purpose (Type N), Standard (MTS), 118° point, Morse Taper shank, RH	HSS	bright/steam oxide >2.36
257	105	430	General purpose (Type N), Bushing (MTS), 118° point, Morse Taper shank, RH	HSS	surface treated
266	106	430	General purpose (Type N), extra length #1, 118° point, Morse Taper shank, RH	HSS	surface treated
280	107	N/A	Form A center drill, Extra long, 60°, non-flatted body, bright finish, RH	HSS	bright finish
281	107	N/A	Form A center drill, 60°, non-flatted body, bright finish, RH	HSS	bright finish
282	107	N/A	Form A center drill, 60°, non-flatted body, bright finish, LH	HSS	bright finish
283	107	N/A	Form R center drill, Radiused, 60°, non-flatted body, bright finish, RH	HSS	bright finish
284	107	N/A	Form R center drill, Radiused, 60°, non-flatted body, bright finish, LH	HSS	bright finish
285	108	N/A	Form B center drill, 60°/120° double angle, non-flatted body, bright finish, RH	HSS	bright finish
287	110	N/A	Form A center drill, 60°, Flatted body, bright finish, RH	HSS	bright finish
288	110	N/A	Form R center drill, Radiused, 60°, Flatted body, bright finish, RH	HSS	bright finish
289	110	N/A	Form B center drill, 60°/120° double angle, Flatted body, bright finish, RH	HSS	bright finish
292	109	N/A	Form A center drill, 60°, non-flatted body, bright finish, RH	HSS	bright finish
294	109	N/A	Form A center drill, 60°, non-flatted body, bright finish, LH	HSS	bright finish
301	111	431	Micro-Precision (Type N), micro-precision, 118° point, reinforced straight shank, RH	Cobalt	bright finish
303	113	431	Micro-Precision (Type N), micro-precision, 118° point, reinforced straight shank, LH	Cobalt	bright finish
305	115	432	General purpose (Type N), jobber length, 118° point, standard straight shank, RH	Cobalt	bright/steam oxide >2.36
308	119	432	General purpose (Type N), jobber length, 118° point, standard straight shank, LH	Cobalt	bright/steam oxide >6.00
317	121	433	General purpose (Type N), taper length, 118° point, standard straight shank, RH	Cobalt	bright/steam oxide >2.36
329	123	433	Heavy Duty (Type GV120), stub length, 130° point, standard straight shank, RH	Cobalt	bright/steam oxide >2.36
336	126	434	GT 100 deep hole, taper length, 130° point, standard straight shank, RH	Cobalt	bright/nitrided lands >2.36
345	128	434	General purpose (Type N), Standard (MTS), 118° point, Morse Taper shank, RH	Cobalt	surface treated
381	107	N/A	Form A center drill, 60°, non-flatted body, bright finish, RH	Cobalt	bright finish
390	129	435	GT 100 IC deep hole, taper length, 130° point, standard straight shank, RH	HSS	bright finish
501	130	435	GT 50 deep hole, taper length, 130° point, standard straight shank, RH	HSS	bright finish
502	132	436	General purpose (Type N), extra length #1, 130° point, standard straight shank, RH	HSS	bright/nitrided lands >2.36
503	134	436	GT 100 deep hole, extra length #2, 130° point, standard straight shank, RH	HSS	bright/nitrided lands >2.36
504	135	437	GT 100 deep hole, extra length #3, 130° point, standard straight shank, RH	HSS	nitrided lands
515	136	437	GT 500 DZ high performance, stub length, 130° cone-relief point, standard straight shank, RH	PM-Cobalt	FIREX® coated
524	138	438	GT 50 deep hole, extra length #1, 130° point, standard straight shank, RH	HSS	bright finish
526	139	438	GT 100 deep hole, extra length #1, 118° point, Morse Taper shank, RH	HSS	nitrided lands/steam oxide >16.0
527	140	439	GT 100 deep hole, extra length #2, 130° point, Morse Taper shank, RH	HSS	nitrided lands/steam oxide >16.0
530	141	439	GT 500 DZ high performance, jobber length, 130° cone relief point, standard straight shank, RH	PM-Cobalt	FIREX® coated
535	143	440	GT 100 deep hole, taper length, 130° point, standard straight shank, RH	HSS	bright/nitrided lands >2.36
546	145	N/A	NC Spot • Short, NC Spot, 142° point, standard straight shank, RH	Carbide	bright finish
549	146	440	GT 100 deep hole, jobber length, 130° point, standard straight shank, RH	HSS	bright/nitrided lands >2.36
550	149	441	GT 100 deep hole, jobber length, 130° point, standard straight shank, LH	HSS	bright/nitrided lands >2.36
551	151	441	GT 100 deep hole, Bushing (MTS), 130° point, Morse Taper shank, RH	HSS	nitrided lands/steam oxide >16.0
552	152	442	GT 80 deep hole, stub length, 130° point, standard straight shank, RH	HSS	<2.36 bright/nitrided lands/steam >16.0
553	155	442	GT 80 deep hole, stub length, 130° point, standard straight shank, LH	HSS	<2.36 bright/nitrided lands/steam >16.1
556	145	N/A	NC Spot • Short, NC Spot, 120° point, standard straight shank, RH	HSS	bright finish
557	145	N/A	NC Spot • Short, NC Spot, 90° point, standard straight shank, RH	HSS	bright finish
559	145	N/A	NC Spot • Long, NC Spot, 90° point, standard straight shank, RH	HSS	bright finish
567	145	N/A	NC Spot • Short, NC Spot, 120° point, standard straight shank, RH	HSS	TiN coated
568	145	N/A	NC Spot • Short, NC Spot, 90° point, standard straight shank, RH	HSS	TiN coated
581	107	N/A	Form A center drill, 60°, non-flatted body, bright finish, RH	HSS	bright finish
582	107	N/A	Form A center drill, 60°, non-flatted body, bright finish, LH	HSS	bright finish