INDUSTRIAL

Router Bit Replacement Parts

INDEX










Tool No.	Page #	Bearing(s)	Set Screw	Screw	Dust Shield	Flat Washer	Lock Washer	Collar w/ Set Screw	Collar Set Screw Only	Snap Ring	Hex Nut
DRB-400	38,91	47706	—	67018	—	—	—	—	—	—	—
MR0100 to MR0114	175	47775	—	—	—	67129	—	—	—	—	67135
RC-1000 to RC-1006	92	47711	—	67176 (3)	—	—	—	—	—	—	—
RC-1008 to RC-1012	98	47712	—	67115 (3)	—	—	—	—	—	—	—
RC-1014	98	47701	—	67115 (3)	—	—	—	—	—	—	—
RC-1230	90	—	—	—	—	—	—	—	—	—	—
RC-2000	91, 92	47706	67016 (2)	67018	—	—	—	—	—	—	—
RC-2400	90	—	—	—	—	—	—	—	—	—	—
RC-3400	4	—	—	67057	—	—	—	—	—	—	—
RC-45226	63, 137	—	—	67013	—	—	—	—	—	—	—
RC-45910	107, 137	47701	—	—	—	—	—	—	—	—	—
RC-47104	91, 137	47706	67013 (2)	67011	—	—	—	—	—	—	—
RC-49104	123, 137	47706	—	67011	—	—	—	—	—	—	—
RC-49300	137, 156	47706	—	67011	—	—	—	—	—	—	—
RC-49355	158	—	67094	67094	—	67202	—	—	—	—	—
RC-49360	158	See Page	—	67094	—	67202	—	—	—	—	—
RC-49496, RC-49504	116, 137	47706	—	67011	—	—	—	—	—	—	—
RC-54111	137	47706	—	67011	—	—	—	—	—	—	—
44100	22	47706 (2)	—	—	67098	—	—	—	—	—	67086
45360 to 45364	89	47721	—	—	—	—	—	47739	—	—	—
45460, 45461	89	47701	—	—	—	—	—	47724	67091	—	—
45460-S	90, 173	47701	—	—	—	—	—	47724	67091	—	—
45462	89	47712	—	—	—	—	—	47724	67091	—	—
45462-S	90	47712	—	—	—	—	—	47724	67091	—	—
45463	89	47721	—	—	—	—	—	47739	67091	—	—
45464	89	47714	—	—	—	—	—	47724	67091	—	—
45464-S	90	47714	—	—	—	—	—	47724	67091	—	—
45465	89	47721	—	—	—	—	—	47739	67091	—	—
45466	89	47722	—	—	—	—	—	47730	67091	—	—
45467	89	47754	—	—	—	—	—	47739	67091	—	—
45468	89	47738	—	—	—	—	—	47740	67091	—	—
45469 to 45470	89, 155	47712	—	—	—	—	—	47724	—	—	—
45474-S	90	47753	—	—	—	—	—	47724	—	—	—
45475	89	47751 (2)	—	—	—	—	—	47764	—	—	—
45475-S	90	47751 (2)	—	—	—	—	—	47764	—	—	—
45476, 45478, 45479	155	47712	—	—	—	—	—	47724	—	47752	—
45481	89, 173	47701	—	—	—	—	—	47724	—	—	—
45482 to 45483	89	47712	—	—	—	—	—	47724	67091	—	—
45484	92	47714	—	—	—	—	—	47724	—	—	—
45485	89	47714	—	—	—	—	—	47724	67091	—	—
45487, 45491	89, 173	47701	—	—	—	—	—	47724	—	—	—
45489-S	90	47701	—	—	—	—	—	47724	—	—	—
45495	92	47701	—	—	—	—	—	47724	—	—	—
45496	92	47714	—	—	—	—	—	47724	—	—	—
45550, 45551	89	47738	—	—	—	—	—	47724	—	—	—
45561	86	47714	—	—	—	—	—	47724	67091	—	—
45563	86	47721	—	—	—	—	—	47739	67091	—	—
45565	86	47754	—	—	—	—	—	47740	67091	—	—
45567	86	47758	—	—	—	—	—	47740	67091	—	—
45582	86	47701	—	—	—	—	—	47724	67091	—	—
45584	86	47712	—	—	—	—	—	47724	67091	—	—
45586	86	47714	—	—	—	—	—	47724	67091	—	—
45590	86	47756	—	—	—	—	—	47740	67091	—	—
45668, 45676	173	47701	—	—	—	—	—	47724	—	—	—
45669	173	47714	—	—	—	—	—	47724	—	—	—
45672, 45678	173	47712	—	—	—	—	—	47724	—	—	—
45674	173	47708	—	—	—	—	—	47724	—	—	—
45750, 45950	46	47701	—	—	—	—	—	47724	—	—	—
45788	46	47738	—	—	—	—	—	47740	—	—	—
45850	153	47701	—	—	—	—	—	47724	—	—	—
45852	153	47701	—	—	—	—	—	47739	—	—	—
45880 to 45882	155	47712	—	—	—	—	—	47724	—	—	—
45884	155	47741	—	—	—	—	—	47724	—	—	—
45983	105	47701	—	—	—	—	—	47724	67091	—	—
45988	105	47714	—	—	—	—	—	47724	67091	—	—
45990	105	47721	—	—	—	—	—	47739	67091	—	—
45992	105	47738	—	—	—	—	—	47740	67091	—	—
46192	97	47706 (2)	—	—	—	—	—	—	—	—	67086
46300 to 46304	96, 212	47706 (2)	—	67096	67098	—	—	—	—	—	67086
46400, 46404	96, 212	47706 (2)	—	—	—	—	—	—	—	—	67086
47090 to 47092	91	47723	—	67134	—	—	—	—	—	—	—
47093	91	47702	—	67096	67101	67202	—	—	—	—	—
47094	94	47706 (L) & 47701 (U)	—	67109	—	67101	—	47724	—	—	—
47096	94	47714 (L) & 47721 (U)	—	67109	—	67101	—	47739	—	—	—
47100 to 47103	91	47702	—	67096	67101	67201	67124	—	—	—	—
47104, 47106, 47108, 47110, 47112, 47114	91	47706	—	67096	67098	67202	—	—	—	—	—
47105, 47109, 47111, 47113	93	47706	—	—	—	—	—	—	—	—	—
47115	93	47702	—	67096	67101	67102	—	—	—	—	—
47116, 47117, 47118, 47120	91	47706	—	67096	67098	67202	—	—	—	—	—
47118-2	91	47706 (2)	—	67096	67098	67202	—	—	—	—	—
47124 to 47129	91, 93	47706	—	67096	67098	67202	—	—	—	—	—
47124-2 to 47128-2	93	47706 (2)	—	—	67098	67202	—	—	—	—	67118
47130, 47134, 47135, 47136, 47138	94	47714	—	67109	—	67101	—	—	—	—	—
47131	93	47706	—	67109	67098	67101	—	—	—	—	—
47140 to 47141	91	47714	—	67109	67101	—	—	—	—	—	—
47144	34	47706	—	67096	67098	67202	—	—	—	—	—
47150 to 47154	93	47704	—	67095	67100	67124	—	—	—	—	—
47160 to 47162	97	47706	—	—	—	—	—	—	—	—	—
47174	95, 173	47706	—	—	—	—	—	—	—	—	—
47180	93	47712	—	67109	—	67101	—	—	—	—	—
47182 to 47184	93	47714	—	67109	—	67101	—	—	—	—	—
47190 to 47194	97	47718	—	67096	67098	67101	—	—	—	—	—
47200 to 47204	98	—	—	67096	67098	67202	—	—	—	—	—
47206	98	47704	—	67096	67100	67082	—	—	—	—	—
47210	98	47706	—	67109	67098	67202	—	—	—	—	—
47300 to 47304	98	47716	—	67096	67098	67202	—	—	—	—	—
47400, 47404	99	47708	—	—	—	67204	—	—	—	—	67088
49092 to 49119	123	47704	—	67095	67100	67200	—	—	—	—	—
49120 to 49122	123	47706	—	67096	67098	67202	—	—	—	—	—
49200 to 49206	125	47704	—	67096	67098	67202	—	—	—	—	—
49207	125	47706	—	67096	67098	67202	—	—	—	—	—
49208 to 49214	121	47704	—	67095	67100	67200	—	—	—	—	—
49300 to 49302	156	47706	—	67096	67098	67202	—	—	—	—	—
49310	157	47706	—	—	—	—	—	—	—	—	—
49340 to 49350	156	see page	—	—	—	—	—	—	—	—	—
49360	157	47701 (2)	—	67094	—	67202	—	—	—	—	—
49400 to 49402	113	47704	—	67095	67100	67200	—	—	—	—	—
49404	113	47706	—	67096	67098	67202	—	—	—	—	—
49405	113	47710	—	67093	—	67101	—	—	—	—	—
49406, 49407, 49408, 49410	113	47706	—	67096	67098	67202	—	—	—	—	—
49409	219	47718	—	67096	67098	67101	—	—	—	—	—
49412	113	47704	—	67095	67100	67200	—	—	—	—	—
49414 to 49416	113	47706	—	67096	67098	67202	—	—	—	—	—
49492 to 49502, 49504 to 49506, 49508 to 49526	116	47706	—	67096	67098	67202	—	—	—	—	—
49503, 49507	119	47706	—	67096	67098	67202	—	—	—	—	—
49528	118	47706 & 47790	—	67011	—	—	—	—	—	67176	—
49529	118	47721 & 47792	—	67011	—	—	—	—	—	67176	—
49530	184	47706	—	67096	67098	67101	—	—	—	—	—
49532	184, 259	47706	—	67096	67098	67101	—	—	—	—	—
49534	184, 189	47706	—	67096	67098	67101	—	—	—	—	—
49535, 49536, 49537, 49538	184	47706	—	67096	67098	67101	—	—	—	—	—
49540 to 49554, 49556, 49558, 49560	148	47706	—	67096	67098	67202	—	—	—	—	—
49555, 49557, 49559, 49561, 49563	149	47718	—	67096	—	67202	—	—	—	—	—
49562	206	47706	—	67096	67098	67202	—	—	—	—	—
49592 to 49622	117	47702	—	67096	67101	67202	—	—	—	—	—
49640, 49664, 49674	141, 205	47702	—	67096	67101	67202	—	—	—	—	—
49642, 49666, 49676	141, 205	47701	—	—	—	—	—	47724	67091	—	—

Warning: Before use, read router bit safety guidelines on pages 248-250.

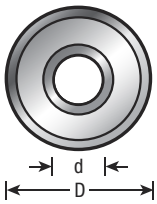
Tool No.	Page #	Bearing(s)	SET Screw	Screw	Dust Shield	Flat Washer	Lock Washer	Collar w/ Set Screw	Collar Set Screw Only	Snap Ring	Hex Nut
49644, 49650, 49660, 49670	205	47702	—	67096	67101	67202	—	—	—	—	—
49646, 49652, 49662, 49672	205	47701	—	—	—	—	—	47724	67091	—	—
49730	115	47708	—	—	—	—	—	—	—	—	67088
51420, 51422		47723	—	67134	—	—	—	—	—	—	—
51430	5	47723 (2)	—	67134	—	—	—	—	—	—	—
51432	5	47706	—	67011	—	—	—	—	—	—	—
51436	34	47779	—	—	—	—	—	—	—		
51520, 51522	5	47723	—	67134	—	—	—	—	—	—	—
51530	128	47716	—	67096	67098	67202	—	—	—	—	—
51565 to 51570	120	47706	—	67096	67098	67202	—	—	—	—	—
51572	120	47716	—	67096	67098	67202		—	—	—	—
51574 to 51576	120	47714	—	67093	67126	—	—	—	—	—	—
51586	128	47712 (2)	—	—	—	—	—	—	—	—	—
53600	162, 200	47708	—	—	—	67204	—	—	—	—	—
53610	163	47708	—	—	—	—	—	—	—	—	67088
54100	122	47706	—	67096	67098	67202	—	—	—	—	—
54102 to 54108	121	47706	—	67096	67098	67101	—	—	—	—	—
54110, 54112, 54114	125	47706	—	67096	67098	67101	—	—	—	—	—
54113	186, 189	47706	—	67096	67098	67101	—	—	—	—	—
54116	186	47706	—	—	—	—	—	—	—	—	—
54117	186	47706	—	67096	67098	67202	—	—	—	—	—
54118, 54121	187	47706	—	67096	67098	67202	—	—	—	—	—
54119	187	47706	—	—	—	—	—	—	—	—	—
54120, 54122 to 54126	130	47706	—	67096	67098	67202	—	—	—	—	—
54127	125	47706	—	67096	67098	67202	—	—	—	—	—
54128, 54130, 54132, 54134, 54135	122	47706	—	67096	67098	67202	—	—	—	—	—
54131	199	47706	—	67096	67098	67101	—	—	—	—	—
54133	201	47706	—	500-10	—	—	—	—	—	—	—
54136, 54138, 54140 to 54142	129	47706	—	67096	67098	67202	—	—	—	—	—
54144 to 54150	124	47706	—	67096	67098	67202	—	—	—	—	—
54160 to 54162	120	47706	—	67096	67098	67202	—	—	—	—	—
54163	120, 200	47706	—	67096	67098	67202	—	—	—	—	—
54164 to 54172	120	47716	—	67096	67098	67202	—	—	—	—	—
54173, 54175	199	47706	—	67096	67098	67101	—	—	—	—	—
54180 to 54182	129	47706	—	67096	67098	67202	—	—	—	—	—
54186	132	47706	—	67096	67098	67202	—	—	—	—	—
54188	132	47716	—	67096	67098	67082	—	—	—	—	—
54190, 54192	131	47712 (2)	—	67109	—	—	—	47724	67091	—	—
54198	131	47702	—	67096	—	67101	—	—	—	—	—
54200	147	47706	—	67096	—	67100	—	—	—	—	—
54204	144	47706	—	67096	67098	67202	—	—	—	—	—
54211, 54213, 54217	135	47716	—	67096	67103	67202	—	—	—	—	—
54218 to 54220	144	47706	—	67096	67098	67202	—	—	—	—	—
54221	188	47713, 47763	—	—	—	—	—	—	—	—	67088
54222 to 54224	145	47706	—	67096	67098	67202	—	—	—	—	—
54227	188	47713, 47763	—	—	—	—	—	—	—	—	67088
54229	188	47713, 47763	—	—	—	—	—	—	—	—	67088
54232	146	47718	—	—	—	—	—	—	—	—	—
54234	145	47716	—	67096	67103	67202	—	—	—	—	—
54246	204	47776	—	67090	—	67101	—	—	—	—	—
54260	146	47706	—	67096	67098	67202	—	—	—	—	—
54262	150	47706	—	67096	67098	67202	—	—	—	—	—
54266	141, 146	47706	—	67096	67098	67202	—	—	—	—	—
54268 to 54269	150	47716	—	67096	67103	67202	—	—	—	—	—
54278	187	47706	—	67096	67098	67101	—	—	—	—	—
54286	146, 203	47712	—	67096	67103	67202	—	—	—	—	—
54288	146	47706	—	67096	67098	67202	—	—	—	—	—
54292	122	47706	—	67096	67098	67202	—	—	—	—	—
54294	135	47716	—	67096	67098	67202	—	—	—	—	—
54296	133	47712 (2)	—	67096	67098	67202	—	47724	—	—	—
54299	139	47706	—	67014	—	—	—	—	—	—	—
54302 to 54308	134	47706	—	67096	67098	67202	—	—	—	—	—
54322	133	47706	—	67096	67098	67202	—	—	—	—	—
54324	133	47712	—	67096	67103	67202	—	—	—	—	—
54330 to 54332	134	47701, 47706	—	67096	67098	67202	—	47724	—	—	—
54350 to 54356	140	47716	—	67096	67103	67202	—	—	—	—	—
55312 to 55314	99	47727	—	—	—	67204	—	—	—	—	67088
55320 to 55330	171	47708, 47762	—	—	—	—	—	—	—	—	67088
55340	170	47708	—	—	—	—	—	—	—	—	67088
55343	170	47708	—	—	—	—	—	—	—	—	67088
55350, 55370, 55380	181	47708	—	—	—	—	—	—	—	—	67088
55360, 55362	198	47759	—	—	—	—	—	—	—	—	67088
55392	163	47736	—	—	—	—	—	—	—	—	67088
55400, 55401	169	47708 (2)	—	—	—	—	—	—	—	—	67088
55407, 55408	169	47708	—	—	—	—	—	—	—	—	—
55420, 55430, 55440	180	47708	—	—	—	—	—	—	—	—	67088
55421, 55431, 55441	179	47708	—	—	—	—	—	—	—	—	—
55426	201	47708	—	—	—	—	—	—	—	—	67088
55428	189	47706	—	67096	67098	67101	—	—	—	—	—
55432, 55433, 55436, 55437, 55438, 55439	177	47708	—	—	—	—	—	—	—	—	—
55454, 55456	172	47706	—	67096	—	67101	—	—	—	—	—
55460, 55462, 55464	183	47744(2)	—	—	—	67125(2)	—	—	—	—	67131
55466	167	47720 (2)	—	—	—	—	—	—	—	—	—
55468	167	47720, 47718	—	—	—	—	—	—	—	—	—
55500, 55510	160	47738	—	—	—	—	—	—	—	—	—
51436	34	47723 (2)	—	—	—	—	—	—	—	47779	—
56130	109	47708	—	—	—	—	—	—	—	47748	—
56140	109	47734	—	—	—	—	—	—	—	47750	—
56148	109	47708	—	—	—	—	—	—	67091	47748	—
56150	109	47734	—	—	—	—	—	—	67091	47750	—
57118 to 57120	208	47709	—	67109	—	67101	—	—	—	—	—
57122 to 57126	216	47726	—	67093	67126	67101	—	—	—	—	—
57127	215	47707	—	67096	—	67202	67101	—	—	—	—
57128	216	47726	—	67093	—	67101	—	—	—	—	—
57129	220	47732	—	67146	—	—	—	—	—	—	—
57130	216	47726	—	67093	67126	67126	—	—	—	—	—
57138, 57140	210	47737	—	67091	—	—	—	47740	67091	—	—
57139, 57141	210	47707	—	67096	—	67202	—	—	—	—	—
57146, 57148	208	47707	—	67096	67098	67202	—	—	—	—	—
57147, 57149 to 57152	210	47707	—	67096	—	67202	—	—	—	—	—
57153	211	47726	—	67109	67103	67101	—	—	—	—	—
57154	211	47709	—	67146	—	67101	—	—	—	—	—
57155	211, 219	47733	—	67146	—	67101	—	—	—	—	—
57156, 57158, 57160, 57162	217	47731	—	67146	—	—	—	—	—	—	—
57159	211	47777	—	67023	—	—	—	—	—	—	—
57161	220	47732	—	67146	—	—	—	—	—	—	—
57163	219	47765	—	—	—	—	—	—	—		
57165	214	47745, 47747	—	—	—	55371	—	47739	—	—	—
57166	214	47749	—	—	—	55363	—	47739	—	—	—
57168	217	47731	—	67146	—	—	—	—	—	—	—
57169	219	47733	—	67146	—	—	—	—	—	—	—
57170	209	47774	—	67146	—	—	—	—	—	—	—
57184 to 57186	91, 212	47714	—	67109	67116	—	67128	—	—	—	—
57187	91, 212	47714 & 47721 (2)	—	67109	—	—	—	47740	—	—	—
57190	118, 209	47767	—	67109	—	67101	—	—	—	—	—
57191	118, 209	47766	—	—	—	—	—	—	—		
57192	118, 209	47768	—	67109	—	67101	—	—	—	—	—
57194	118, 209	47769	—	67109	—	67101	—	—	—	—	—
57200	221	47709	—	67109	67116	67101	—	—	—	—	—
57208		47709	—	67109	67116	67101	—	—	—	—	—
57218	221	47709	—	67109	67116	67101	—	—	—	—	—
57220	222	47707	—	67096	—	67202	—	—	—	—	—
57232	215	47737	—	—	—	—	—	47740	—	—	—
57238	223	47712	—	67096	67103	67202	—	—	—	—	—
57242 to 57246	223	47707	—	67096	—	67082	—	—	—	—	—
57248	224	47709	—	67109	67116	67101	—	—	—	—	—
57252 to 57254	224	47707	—	67096	—	67101	—	—	—	—	—
57257	223	47709	—	67109	—	67101	—	—	—	—	—
57258	222	47707	—	67096	—	67082	—	—	—	—	—
57267	218	47787	—	—	—	—	—	—	—	—	—
57269	218	47788	—	—	—	—	—	—	—	—	—

STEEL BALL BEARING GUIDES

Amana Tool® uses only the finest industrial quality precision ball bearings available. Bearings are double steel-shielded for extra rigidity and to inhibit dust. A special high-performance, high-temperature grease is used for maximum life.

Bearing #'s 47701-HP, 47706-HP and 47712-HP have Teflon® shields which provide a better seal and increased bearing life while routing materials that generate very fine dust particles (such as solid surface).

Note: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.



Fractional Listed By Size/Steel Shields & New Teflon® Shields

Application	Ød	ØD	B	Tool No.
47090, 47092, 51436 1/4" Diameter Trim Bits	1/8	1/4	.110 (7/64)	**47723**
47206, 49400, 49402, Smaller Cove Bits, Several Types Of Form Bits, Old Style 3/8" Diameter Trim Bits, New 'No-File' Trim Bits	1/8	3/8	.155 (5/32)	**47704**
Old Style 1/2" Diameter Flush Trim Bits	1/8	1/2	.171 (11/64)	**47700**
	3/16	5/16	.124 (1/8)	**47789**
3/8" Diameter Flush Trim, All Beading Bits, (49300/49302), 49340, 49350, 49540, 49542, 49550, Many Types Of Form Bits	3/16	3/8	.124 (1/8)	**47702**
Our Most Popular Bearing – Fits 1/2" Diameter Flush Trim, Some Bevel Trim, All Corner Rounds, Raised Panel, Rabbet, Ovolo, Many Types Of Form Bits, 51570, 54160, 54162, 54198, 54370, New Style 54200 & 54220 (After 12/95)	3/16	1/2	.195 (3/16)	**47706**
With Teflon® Dust Shields Used As A Substitute For 47706 (See Above) For Fine Dust Conditions	3/16	1/2	.195 (3/16)	**47706-HP**
New Undersized 1/2" Diameter Bearing For Use After Resharpening – Fits All Tools Such As Flush Trims, Corner Rounds, Etc., That Use The Standard 47706 Bearing	3/16	.490	.195 (3/16)	**47715**
'Overhang' Bits, 49340, 49350 (49300/49302), 55343	3/16	5/8	.195 (3/16)	**47718**
(49300/49302), 49340, 49350, RC-4950	3/16	3/4	.280 (9/32)	**47720**
49340, 49350 For 1/4" Rabbet	3/16	7/8	.196 (3/16)	**47719**
	3/16	1	.196 (3/16)	**47773**
49340, 49350 For 1/8" Rabbet	3/16	1-1/8	.312 (5/16)	**47743**
45475, 45475-S	1/4	3/8	.124 (1/8)	**47751**
45460, 45461, 45750, 45850, 45950, 57100, 57106, 57112, RC-1014.	1/4	1/2	.186 (3/16)	**47701**
With Teflon® Dust Shields Used As A Substitute For 47701 (See Above) For Fine Dust Conditions	1/4	1/2	.186 (3/16)	**47701-HP**
45474-S	1/4	9/16	.236 (15/64)	**47753**
45462, 45476, 45478, 45479, 45809, 45811, 47180, 51530, 51532, 51534, 54188, 54190, 54192, 54194, 54296, 54324, 54350, 54352, 54354, 54356, 57100, 57106, 57112, 'RC' Series Bevel Trim Bits	1/4	5/8	.195 (3/16)	**47712**
With Teflon® Dust Shields Used As A Substitute For 47712 (See Above) For Fine Dust Conditions.	1/4	5/8	.195 (3/16)	**47712-HP**
45464, 45988, 47140, 47182, 47184, 51574, 51576, 57100, 57106, 57112, Old Style 57118, 57120	1/4	3/4	.280 (9/32)	**47714**
450-12 (Timberline®)	1/4	.865 (7/8)	.280(9/32)	**47796**
49405	1/4	1	.344 (11/32)	**47710**
55360	5/16	3/4	.280 (9/32)	**47759**
1/2" Depth Of Cut Slotting Assemblies, All Stile & Rail, 49730, 49770, 53610 55400, 55401, 56148, 55340	5/16	.865 (7/8)	.275 (9/32)	**47708**
New Raised Panel With Back Cutter 54221, 54227, 54229	5/16	1-1/4	.196	**47763**
55320, 55330, 55325	5/16	1.319 (1-5/16)	.335 (21/64)	**47762**
45884	3/8	7/8	7mm	**47741**
45463, 45465, 45990	1/2	3/4	.156 (5/32)	**47721**
45463	1/2	7/8	5mm	**47830** *New*
	1/2	1	5mm	**47832** *New*
45468, 45789, 45992, 51590, 57142, 57144, 57138 & 57140	1/2	1-1/8	.312 (5/16)	**47738**
57165	1/2	1	5.7mm	**47745**
57165	1/2	1-1/4	5.7mm	**47747**
57166	1/2	1-1/2	.466mm (15/32)	**47749**
57176	7/8	1/2	5mm	**47793** *New*

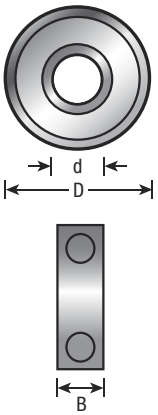
Note: Fractional size specifications shown in parentheses ( ) are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses ( ) exhibit optional (not standard) bearings for these tools.

Warning: Before use, read router bit safety guidelines on pages 248-250.

STEEL BALL BEARING GUIDES

Metric Listed By Size/Steel Shields

Application	Ød	ØD	B	Tool No.
New Miniature Router Bits	4mm	8mm	3mm(7/64)	**47703**
47193	5mm	10mm	4mm(5/32)	**47794**
47191	5mm	11mm	4mm(5/32)	**47795**
Old Style (Prior To 12/95) 54200, 54220 – For New Style (After 12/95) Use 47706	5mm	13mm	4mm(5/32)	**47705**
47300, 47302, 51572, 54164 Through 54172, 54215, 54217, 54268, 54269, 54294, 57188, RC-4952, RC-4954, RC-4956	5mm	16mm	5mm(3/16)	**47716**
'RC' Series Flush Trim Bits	6mm	19mm	6mm(15/64)	**47711**
RC-1040, RC-1042, RC-1044	7mm	14mm	5mm(3/16)	**47746**
New Raised Panel With Back Cutter 54221, 54227, 54229	8mm	16mm	5mm(3/16)	**47713**
TRS-310 (Timberline®)	8mm	1	1/4	**47770**
49750, 55392	8mm	28mm	9mm(23/64)	**47736**
TRS-310 (Timberline®)	8mm	1-1/8	1/4	**47771**
TRS-310 (Timberline®)	8mm	1-3/8	1/4	**47772**
45466	10mm	26mm	8mm(5/16)	**47722**
56140, 56150	15mm	35mm	11mm(7/16)	**47734**
45467	15mm	1	.218 (7/32)	**47754**
45469	15mm	1-1/4	.343 (11/32)	**47756**
45470	15mm	1-1/2	.343 (11/32)	**47758**
TRS-310 (Timberline®)	15mm	2	13mm	**47760**
47174	6mm	22mm	7mm	**47798** *New*



Note: Fractional size specifications shown in parentheses ( ) are approximate, and are provided for reference purposes only. Tool numbers shown in parentheses ( ) exhibit optional (not standard) bearings for these tools.

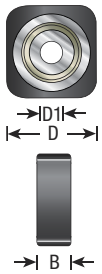
EURO™ SQUARE BEARING *New*

Will Not Scratch or Mark Laminates with Matt or High Gloss Finish

- Can be mounted to any 1/2" diameter Amana Tool® flush trimmer.
- Manufactured with non-stick Teflon.

Ø I.D. x Ø O.D.	'B' Bearing Thickness	For Tool	Tool No.
3/16 x 1/2	.223	47147	**SQB100**
3/16 x 3/4	.273	47148 & 47149	**SQB102**

Note: Solvents should not be used to clean ball bearings, as this will deteriorate the special grease. 'Frozen' bearings (ones that do not rotate freely), should be replaced immediately.




SQB100 SQB102

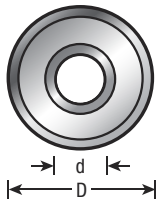
20 PC. REPLACEMENT BEARING KIT

This 20 piece replacement bearing kit contains the most popular bearings to fit our most popular router bits.

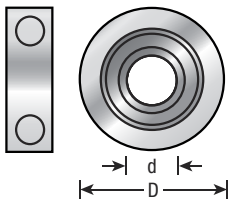
Description	Tool No.
20 Piece Replacement Bearing Kit	**6004**

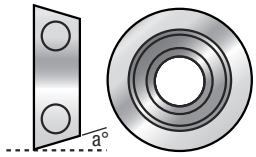
Includes the following sizes:

Ø I.D. x Ø O.D.	'B' Bearing Thickness	Qty.	Tool No.
1/8 x 1/4	.110 (7/64)	2	**47723**
1/8 x 3/8	.155 (5/32)	3	**47704**
3/16 x 3/8	.124 (1/8)	5	**47702**
3/16 x 1/2	.195 (3/16)	5	**47706**
1/4 x 1/2	.186 (3/16)	3	**47701**
1/2 x 3/4	.156 (5/32)	2	**47721**




6004 includes plastic storage box.





ULTRA-GLIDE™ HIGH-PERFORMANCE BALL BEARING GUIDE ASSEMBLIES

Using the same quality standards as our regular steel bearings, these Ultra-Glide™ bearing assemblies feature satin-smooth Delrin® sleeves. Delrin® is an industrial synthetic plastic material similar to nylon, and will leave no marks on the material being cut. Applications include solid-surface materials such as Gibraltar,® Corian,® Surell® & Fountainhead® etc.; Plexiglas® & other clear acrylics, including plastic laminates. Not recommended for regular wood applications due to a higher wear factor. Product #'s 47709, 47725, 47726, 47731 & 47733 now include new Teflon® dust shields. These bearings provide a better seal to increase bearing life while routing materials that generate very fine dust particles (such as solid surface).

Application	Ød	ØD	a°/R	Tool No.
1/2" Diameter Flush Trim, Corner Rounds, Etc. All Tools That Accept Our Regular #47706 Steel Bearing	3/16	.500 (1/2)	-0-	**47707**
47140, 57154 Trim Bits And New Style 57118, 57120, 57257	1/4	.750 (3/4)	-0-	**47709** *
Slot Cutter Assemblies: 1/4" Depth Of Cut, 53610	5/16	1.382 (1-3/8)	-0-	**47727**
Slot Cutter Assemblies: 3/8" Depth Of Cut, 53610	5/16	1.137 (1-9/64)	-0-	**47728**
Set Of Two Above: 47727 & 47728	5/16		-0-	**47729**
Old Style 57122 Bevel Bit With 31/32" Large Diameter	1/4	.965 (31/32)	10°	**47725** *
New Style 57122, Other 'Solid-Surface' Type Bits	1/4	.866 (7/8)	10°	**47726** *
57156 Through 57168 Bowl Bits Only	1/4	.866 (7/8)	10°	**47731** *
57129 And 57161	1/4	1	12°	**47732** *
New Bowl Bits	1/4	1	5°	**47733** *
57138, 57140	15mm	1.125 (1-1/8)	-0-	**47737**
57163	1/4	15/16	21°	**47765**
57191	1/4	15/16	3/8	**47766**
57190	1/4	27/32	1/2	**47767**
57192	1/4	3/4	3/4	**47768**
57194	1/4	3/4	1	**47769**
57269	1/4	13/16	18°	**47788**
57268	1/4	55/64	14°	**47785**
57267	1/4	7/8	10°	**47787**

Note: Outside dimensions are approximate and are given for reference purposes only.

* Includes new Teflon® dust shields.

STEEL DUST SHIELDS

Application: Used between ball bearing and router bit to inhibit dust. 'Cone-shaped' end always faces the bearing.

Diameters 'd' Inside x 'D' Outside	Use with Bearing #	Tool No.
3/16 X 1/2	47700, 47701, 47706, 47712, 47714, 47718, 47720	**67098**
1/8 X 3/8	47704	**67100**
5mm X 16mm	47716	**67103**
1/4 X 5/8	47712 (Solid Surface Bowl Bits Only)	**67116**
3/16 X 5/8	47712 (Solid Surface Bowl Bits Only)	**67126**

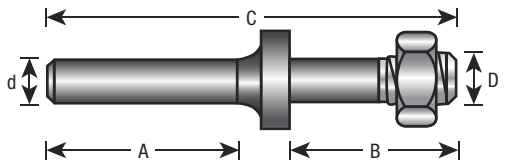
⚠ **Warning:** Before use, read router bit safety guidelines on pages 248-250.

ROUTER ARBORS

With Hex Nut And Washers

Application	ØD	Ød	A	B	C	Tool No.
2 & 3-Wing Slotting Assemblies,	5/16-24 NF	1/4	1-1/4	7/8	2-3/8	**47600**
Assemblies, and Single	5/16-24 NF	3/8	1-1/4	7/8	2-3/8	**47602**
4-Wing Trim Cutter Assemblies	5/16-24 NF	1/2	1-1/2	7/8	2-3/8	**47604**
Double Trim Cutters, Rail & Stile, 53600, 55300, 55320, 55325, 55330, 55400 (Replaces 55360 Arbor)	5/16-24 NF	1/2	1-1/2	1-3/8	3-1/8	**47612**
49730, 49770	5/16-24 NF	1/2	1-7/16	2-9/16	4-3/16	**47618**
49750, 55340, 55392	5/16-24 NF	1/2	1-3/8	2-1/8	3-3/4	**47620**
55420, 55430, 55440	5/16-24 NF	1/2	1-5/16	1-3/4	3-5/16	**47622**
General Purpose	1/4-28 NF	1/4	1-1/4	7/8	2-3/8	**47610**
Screw Type Mortising Bits 55250 Through 55258	1/4-28 NF	1/4	1-7/16	1/4	1-13/16	**47611** *
Screw Type Mortising Bits 55250 Through 55258	1/4-28 NF	1/2	1-3/4	1/4	1-1/2	**47614** *

* Due to application, these arbors are not furnished with hex nut or washers.



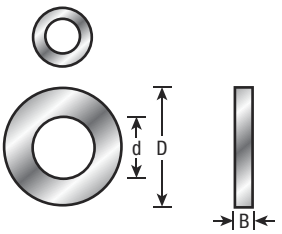
HEX NUTS FOR ROUTER ARBORS

Application	Description	Tool No.
46300, 46304 Spiral Trim Bits	10-32 NF	**67086**
All Arbors With 5/16-24 NF Thread	5/16-24 NF	**67088**
47610 Arbor, "Nova"	1/4-28 NF	**67089**
47124-2, 47126-2, 47128-2 Trim Bits	5mm X .8mm (10-32)	**67118**
55460, 55462, 55464	12mm X 1.75mm	**67131**

STEEL FLAT WASHERS

Application: Used between ball bearing & screw head or hex nut. Part No. 67101 is used in place of a dust shield on beading bits #'s 49592 through 49622.

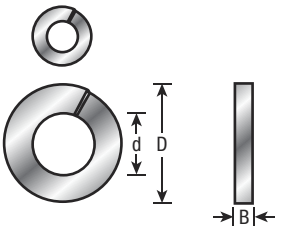
Diameters 'd' Inside x 'D' Outside x 'B' Thick	Use with Bearing #	Use with Screw #	Tool No.
3/16 x 5/16 x 1.0mm	47702	67094, 69096	**67101**
12mm X 18.7mm x 7/64	47744	55460, 55462, 55464	**67125**
1/4 x 3/8 x 1.5mm	47701	'Face Inlay' Spacer	**67132**
3/32 x 1/4 x 1.0mm	47704	67095	**67200**
1/8 x 5/16 x 1.0mm	47706	67094, 67096	**67202**
5/16 x 1/2 x 1.6mm	47708	5/16 Thread Arbors (For Slot Cutters)	**67204**
1/4 x .356 x 2.2mm	47701	'Superabbet' Spacer	**67206**
1/4 x 15/32 x 3/64	47701	46300, 46304, 46400, 46404, 51432	**67053**

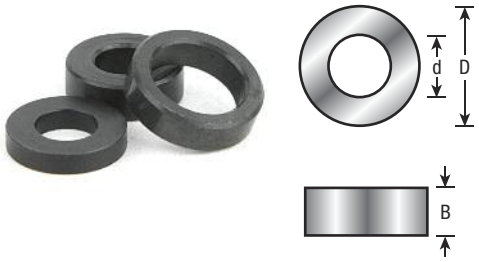


STEEL SPLIT LOCK WASHERS

Application: Used between ball bearing & screw head or hex nut to serve as a lock washer.

Diameters 'd' Inside x 'D' Outside x 'B' Thick	Tool No.
1/8 x 1/4 x 1.0mm	**67082**
1/8 x 1/4 x 1.0mm	**67111**
12mm x 18.7mm x 1.3mm	**67128**

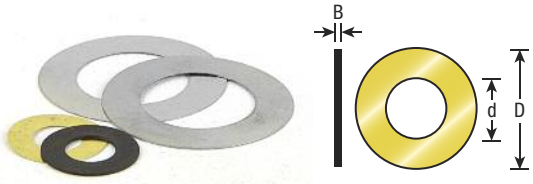




STEEL SPACERS

Application: General purpose arbor spacers used on assembly type tools that require cutter adjustment.

Diameters: 'd' Inside x 'D' Outside	'B' Face Width	Tool No.
5/16 x 5/8	3.0mm(1/8)	**55366**
5/16 x 5/8	3.4mm(9/64)	**55367**
5/16 x 5/8	6.0mm(1/4)	**55368**
5/16 x 5/8	5.5mm(7/32)	**55369**
1/2 x 3/4	6.0mm(1/4)	**55363**
1/2 x 18mm	5.0mm	**55371**



STEEL SHIMS

Application: General purpose arbor shims used on assembly type tools that require cutter adjustment. Particularly useful after tool re-sharpening.

Diameters: 'd' Inside x 'D' Outside	'B' Shim Thickness	Tool No.
5/16 x 5/8	.05mm(.002)	**55356**
5/16 x 5/8	.10mm(.004)	**55357**
32mm x 3/4	.18mm(.007)	**55358**
5/16 x 5/8	1.00mm(.040)	**55402**
5/16 x 5/8	.50mm(.020)	**55404**
5/16 x 5/8	.40mm(.015)	**55403**

Snap Rings

BALL BEARING RETAINING COLLARS AND SNAP RINGS

Application: To retain bearings on tools furnished with upper ball bearing guides. Collars include #67091 set screw.

Diameters: 'd' Inside x 'D' Outside	Used On Tool No. ('s)	Tool No.
.22 x .079	51436	**47779**
.289 x .375	56130, 56148, 49150, 49152, 49154	**47748**
.542 x .675	56140, 56150	**47750**

Retaining Collars

Diameters 'd' Inside x 'D' Outside	Face Thickness	Used On Tool No.('s)	Tool No.
1/4 x 7/16	.203 (13/64)	45460, 45461, 45462, 45464, 45750, 45850, 45950, 45988, 54190, 54192, 54194	**47724**
3/8 x 5/8	.203 (13/64)	45466	**47730**
1/2 x 23/32	.234 (15/64)	45463, 45465, 45467, 45991	**47739**
1/2 x 25/32	.234 (15/64)	45468, 45469, 45470, 45990, 45992, 51592	**47740**
6.3mm x 9.5mm	1/4	45475, 45475S	**47764**

Warning: Before use, read router bit safety guidelines on pages 248-250.

ALLEN-TYPE SET SCREWS FLAT (FP) AND CUP-POINT (CP)

Case Hardened • Black-Oxide Finish


Slotted


Allen

Application	Description	Use With Key Size	Tool No.
Boring Bits	5mm x .8mm (FP)	S/D Slotted*	**67007***
Rosette Cutterheads	6mm x 1.0mm (FP)	3mm (#5008)	**67008**
RC-3100	3 x 4mm Special (FP)	1.5mm (#5000)	**67015**
RC-3200 & 3110	3 x 5mm Special (FP)	1.5mm (#5000)	**67016**
RC-3204 & 3307	3 x 6mm Special (FP)	1.5mm (#5000)	**67017**
Metric Countersinks (6mm to 12mm)	6mm x 1.0mm (CP)	3.0mm (#5004)	**67079**
#55 Countersinks With 1 Screw	6mm x 1.0mm (FP)	3.0mm (#5004)	**67083**
Metric Countersinks (5mm Only)	5mm x .8mm (CP)	2.5mm (#5007)	**67087**
47724-47752 Collars	#5-40 NC (CP)	1/16 (#5002)	**67091**
#55 Countersinks With 2 Screws	#10-24 NC (CP)	3/32 (#5000)	**67092**
Metric Chucks	5mm x .8mm (FP)	2.5mm (#5007)	**67097**

* #67007 Boring bit adjustment screw is screwdriver slotted.

SOCKET HEAD ALLEN TYPE, HEX, FLAT, TORX® AND PHILLIPS® RETAINING SCREWS

Case Hardened • Black Oxide Finish


Allen


Phillips®


Torx®

Application	Type	Description	Use With Key Size	Tool No.
RC-2000	Allen	3.5 x 6mm	2.5mm (#5007)	**67018**
RC-3400	Torx®	5mm x 8.5mm		**67057**
'Mini' Bits	Allen	3 x .5 x 10mm	2.5mm (#5007)	**67080**
20200 Adj. C/S	Allen	4 x .7mm x 12mm	3mm (#5004)	**67090**
Multi-Use	Allen	#10-32 x 3/8 NF	5/32 (#5003)	**67093**
Multi-Use	Allen	#5-40 x 1/2 NC	3/32 (#5000)	**67094**
Multi-Use	Allen	#3-48 x 3/8 NC	5/64 (#5001)	**67095**
Multi-Use	Allen	#5-40 x 3/8 NC	3/32 (#5000)	**67096**
Multi-Use	Allen	#10-32 x 1/2 NF	5/32 (#5003)	**67109**
Torx® Screw For Insert Trim & Plunge Bits	Torx®	4 X .7mm x 5mm	#T-15 (#5005)	**67115**
Torx® Screw For Insert Plunge Bits	Torx®	3.5 X .6mm x 5mm	#T-15 (#5005)	**67117**
47090 & 47092 1/4 Trim Bits	Phillips®	#2-56 x 7/32 NC	#0 Phillips®	**67134**
Special	Allen	#10-32 x 3/8 NF	1/8 (#5009)	**67146**
Insert Flush Trim	Torx®	4mm x 12mm	#T-15 (#5005)	**67176**
In-Tech™ Bits	Hex	#3-48 x 3/8 NC	5/64 (#5001)	**67013**
In-Tech™ Bits	Flat	—	—	**67099**

Allen Torx®

ALLEN-TYPE HEX AND TORX® KEYS SHORT ARM

Case Hardened • Black Oxide Finish

Use With Application	Type	Size	Key Screw #(s)	Tool No.
Multi-Use	Allen	3/32	67094,67096	**5000**
Insert Plunge	Allen	5/64 (2mm)	67095	**5001**
47724-47730, 47739 Collars	Allen	1/16	67091	**5002**
Helix Trim & Bowl Bit	Allen	5/32	67093,67109	**5003**
20200 Adj. C/S	Allen	3mm	67090	**5004**
Insert Plunge RC-2000	Allen	.050 (1.2mm)	67077	**5006**
Metric C/S & Chucks	Allen	2.5mm	67087,67097	**5007**
Solid Surface Bits	Allen	1/8	67109	**5009**
Insert Cutterheads	Allen	3mm	67142	**5012**
New Insert Bits RC-2000 & RC-3000 Series	Allen	1.5mm	67015,67016, 67017	**5011**
Profile Pro™ Cutterheads	Allen	4mm	67144	**5010**
Nova System™ Router Bits	Torx®	#T-20	67154	**5015**
61288, 61292	Torx®	#T-25	67154	**5025**

Allen Torx®

TORX® AND ALLEN KEY

Case Hardened • Black-Oxide Finish

Application	Type	Key Size	Use With Screw #	Tool No.
'RC' Series Insert Trim Bits	Torx®	#T-15	67115	**5005**
Insert Cutterheads	Torx®	#T-9	67160	**5090**
Rosette Cutterheads – Hex Key	Allen	3mm	67008	**5008**

HEX KEY / 'T'- HANDLE

Case Hardened • Black-Oxide Finish

Application	Type	Key Size	Use With Screw #	Tool No.
Insert Cutterheads-T Handle	Allen	2.5mm	—	**5013**
Insert Cutterheads-T Handle	Allen	4mm	67144	**5014**

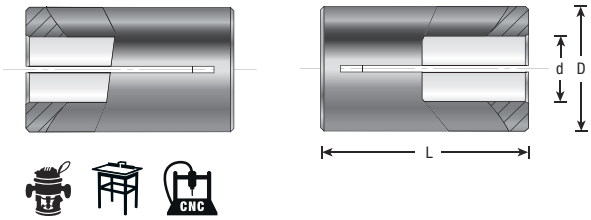
WRENCH HANDLE

Case Hardened • Black-Oxide Finish

Application	Tool No.
EZ Dial™ Slot Cutters	**5017**
Nova System	**5015**

Warning: Before use, read router bit safety guidelines on pages 248-250.

HIGH PRECISION STEEL ROUTER COLLET REDUCERS



ØD	Ød	L	Tool No.
4mm	2mm	20mm	RB-140
4mm	2.5mm	20mm	RB-142
4mm	3mm	20mm	RB-144
6mm	2mm	20mm	RB-160
6mm	2.5mm	20mm	RB-162
6mm	3mm	20mm	RB-164
6mm	4mm	20mm	RB-166
6mm	1/8	20mm	RB-168
1/4	2mm	1	RB-090
1/4	2.5mm	1	RB-092
1/4	3mm	1	RB-100
1/4	1/8	1	RB-102
1/4	4mm	3/4	RB-101
1/4	3/16	1	RB-103

ØD	Ød	L	Tool No.
8mm	6mm	1	RB-104
8mm	1/4	1	RB-106
3/8	1/8	1	RB-121
3/8	1/4	1	RB-108
3/8	8mm	1	RB-123
10mm	1/4	25mm	RB-109 New
10mm	8mm	1	RB-110
12mm	1/8	1	RB-125
12mm	6mm	1	RB-112
12mm	1/4	1-3/16	RB-126
12mm	8mm	1	RB-114
12mm	10mm	1	RB-127
1/2	1/8	1	RB-115
1/2	4mm	1	RB-111
1/2	3/16	1	RB-117

ØD	Ød	L	Tool No.
1/2	6mm	1-1/4	RB-113
1/2	1/4	1	RB-116
1/2	5/16	1	RB-119
1/2	8mm	1	RB-118
1/2	3/8	1-3/16	RB-122
1/2	10mm	1	RB-120
3/4	1/8	1	RB-130
3/4	6mm	1-1/4	RB-131
3/4	1/4	1-1/4	RB-132
3/4	5/16	1-1/4	RB-134
3/4	8mm	1-1/4	RB-135
3/4	3/8	1-1/4	RB-136
3/4	10mm	1-1/4	RB-138
3/4	12mm	1-1/4	RB-137
3/4	1/2	1-1/4	RB-139

Bit sold separately.

Warning: Reducing the router collet with a sleeve is not a long term solution, for best results using the correct size collet is strongly recommended.

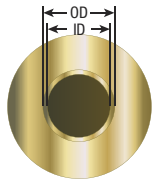
10 PIECE BRASS TEMPLATE GUIDE SET

Designed to fit into the router sub-base and guide the router through curved and complex shapes. Must be used with a template offset to accommodate the bushing diameter.

Description	Tool No.
10 Piece Template Guide Set	BTG-100

Template Guide Set Includes:

I.D.	O.D.
1/4	5/16
9/32	3/8
11/32	7/16
13/32	1/2
17/32	5/8
21/32	3/4
5/8	51/64
Adapter	—
Lock Nut	—



BRASS INLAY BUSHING

Includes both 3/16" & 9/16" O.D. for 1:1 ratio. Threaded lock collar included.
Use #46200 1/8" down-cut spiral (not included).

Description	Tool No.
Inlay Bushing	BTG-200

PORTER-CABLE ROUTER COLLET ASSEMBLY

Replacement Collet for Porter-Cable 690 and 890 Series Routers.

For Shank	Comparable to Portercable #	Tool No.
1/4	42999	CO-132
3/8	42975	CO-135
1/2	42950	CO-136

Warning: Before use, read router bit safety guidelines on pages 248-250.

INDUSTRIAL

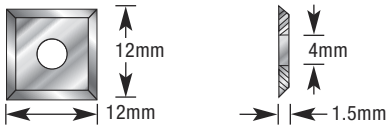
Insert Knives

Solid Carbide

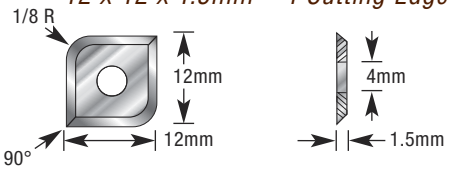
STRAIGHT SOLID CARBIDE INSERT KNIVES

New grades now available for different material types such as softwood/hardwood, MDF/solid surface and micro-finish for general purpose. All knives have a 35° bevel, except the micro finish 'MF' series which has a 45° bevel.

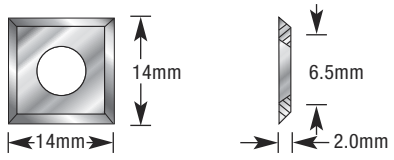
12 x 12 x 1.5mm – 4 Cutting Edges



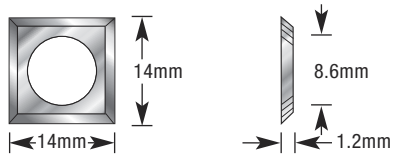
12 x 12 x 1.5mm – 4 Cutting Edges



14 x 14 x 2mm – 4 Cutting Edges



14 x 14 x 1.2mm – 4 Cutting Edges



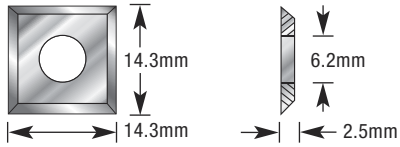
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Insert Trim Bits	**Tool #**	**Tool #**	**Tool #**	**Tool #**	**Tool #**
RC-1000, RC-1008, RC-1010, RC-1012, RC-1014, RC-1024, RC-1026, RC-2241, RC-2242, RC-2243, RC-2245, RC-2257, RC-2258	**AMA-12**	**AMA-12-DLC*** New	**SMA-12**	**HMA-12**	**MFA-12**
Insert Trim Bits	**Tool #**	—	—	—	—
RC-2242	**RCK-344**				
Insert Cutterhead	**Tool #**	**Tool #**	**Tool #**	**Tool #**	—
61288, 61292, 61340, 61360, 61362, 61460, 61462, 61470, 61472, 61480, 61482	**RCK-70**	**RCK-70-DLC*** New	**SCK-70**	**HCK-70**	
Insert Cutterheads	**Tool #**	—	—	—	—
61330, 61350, 61450, 61452,	**RCK-71**				

* Diamond-Like Carbon (DLC)

Warning: Before use, read router bit safety guidelines on pages 248-250.

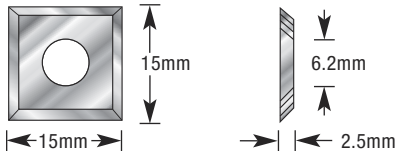
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Various	Tool #	—	—	—
	RCK-73			

14.3 x 14.3 x 2.5mm – 4 Cutting Edges



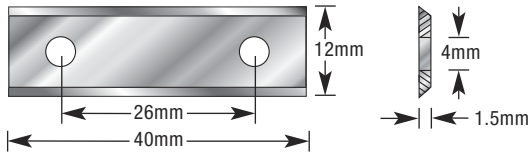
Various	Tool #	—	—	—
	RCK-15			

15 x 15 x 2.5mm – 4 Cutting Edges



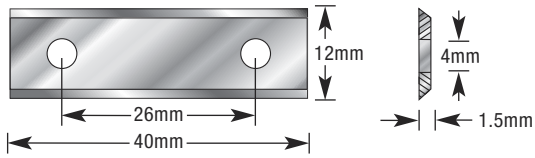
Various	Tool #	—	—	—
RC-2370, RC-2370LH	RCK-40			

40 x 12 x 1.5mm – 2 Cutting Edges



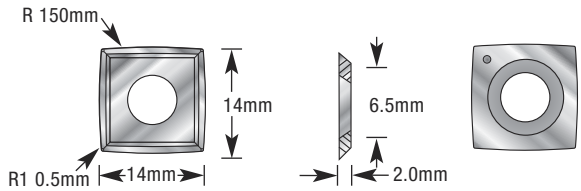
Various	Tool #	—	—	—
	ICK-40			

40 x 12 x 1.5mm – 2 Cutting Edges



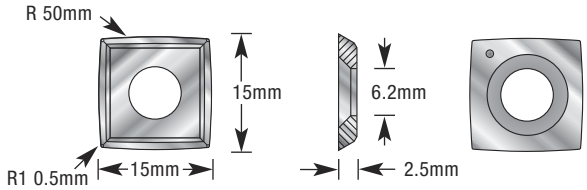
Various	Tool #	—	—	—
	RCK-378			

14 x 14 x 2mm – 4 Cutting Edges Round Edge



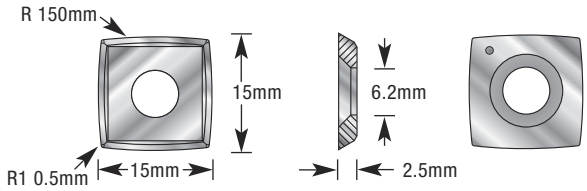
Various	Tool #	—	—	—
	RCK-13			

15 x 15 x 2.5mm – 4 Cutting Edges Round Edge



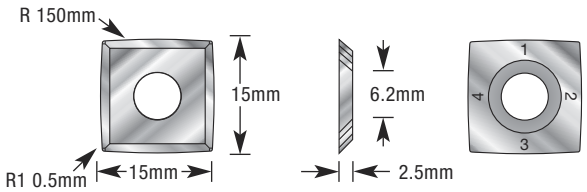
Various	Tool #	—	—	—
	RCK-370			

15 x 15 x 2.5mm – 4 Cutting Edges Round Edge



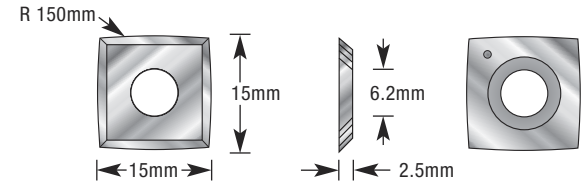
Warning: Before use, read router bit safety guidelines on pages 248-250.

15 x 15 x 2.5mm – 4 Cutting Edges — Round Edge



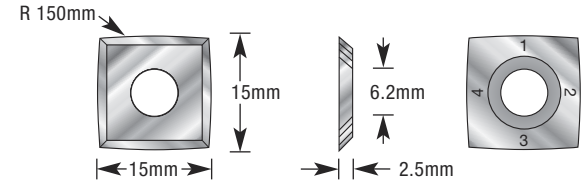
Tool Application	'G' 30° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Various	Tool # **RCK-372**	—	—	—

15 x 15 x 2.5mm – 4 Cutting Edges — Pointed Edge



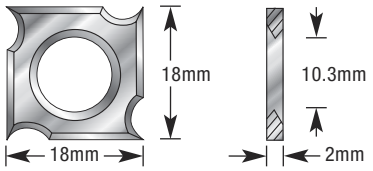
Various	Tool # **RCK-374**	—	—	—

15 x 15 x 2.5mm – 4 Cutting Edges — Pointed Edge



Various	Tool # **RCK-376**	—	—	—

18 x 18 x 2mm – 4 Cutting Edges

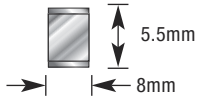


Insert Cutterheads				
61330, 61350, 61450, 61452	Tool # **RCK-18**	—	—	—

7.5 x 12 x 1.5mm – 2 Cutting Edges

Insert Trim Bits				
RC-1040, RC-1042, RC-1044	Tool # **AMA-17**	—	Tool # **HCK-17**	—
Insert Cutterheads 61360, 61384				

8 x 5.5 x 1.1mm – 2 Cutting Edges

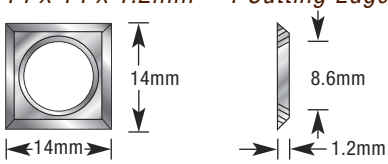


Use on RC-2000				
	Tool # **RCK-8**	—	—	—

Warning: Before use, read router bit safety guidelines on pages 248-250.

Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated*	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
For Holz-Her® System	Tool #	—	—	—	—
	RCK-75				

14 x 14 x 1.2mm – 4 Cutting Edges

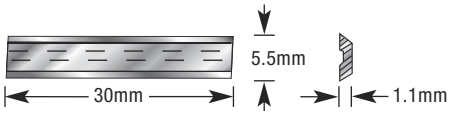


Insert Straight Bit	Tool #	—	—	—	—
RC-3100	RCK-32				

20 x 5.5 x 1.1mm – 2 Cutting Edges

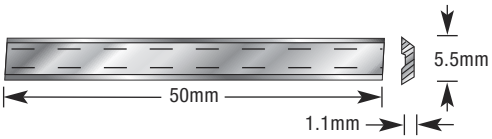
Insert Straight Bits	Tool #	—	—	Tool #	—
RC-3110, RC-3200, RC-3204, RC-3260, RC-3300, RC-3305, RC-3310, RC-3312, RC-3318, RC-3320	RCK-34			HCK-34	

30 x 5.5 x 1.1mm – 2 Cutting Edges



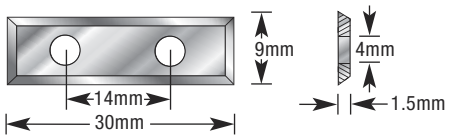
Insert Straight Bits	Tool #	—	—	Tool #	—
RC-3208, RC-3264, RC-3304, RC-3307, RC-3314, RC-3316, RC-3322, RC-3324	RCK-36			HCK-36	

50 x 5.5 x 1.1mm – 2 Cutting Edges



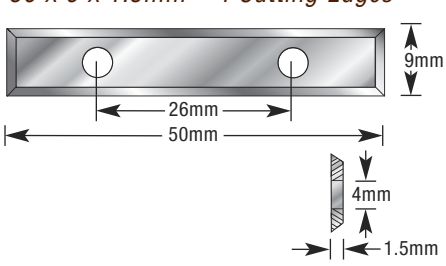
Insert Straight Bits	Tool #	—	—	Tool #	—
RC-1080, RC-1082, RC-1154, RC-2080, RC-2082, RC-2154	AMA-30	AMA-30-DLC * New			MDF-30

30 x 9 x 1.5mm – 4 Cutting Edges



Various	Tool #	—	—	—	—
	AMA-50				

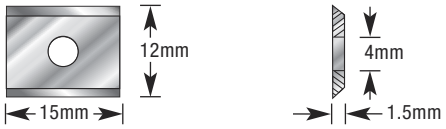
50 x 9 x 1.5mm – 4 Cutting Edges



* Diamond-Like Carbon (DLC)

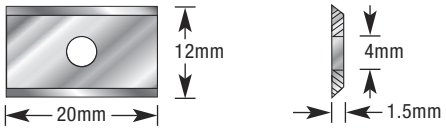
Warning: Before use, read router bit safety guidelines on pages 248-250.

15 x 12 x 1.5mm – 2 Cutting Edges



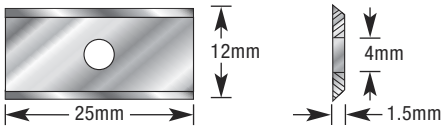
Tool Application	'G' 35° Gen. Purpose Wood, Chipboard, Plywood	'S' 35° Solid Wood DLC Coated *	'S' 35° Softwood/ Hardwood	'H' 35° MDF, Chipboard, Solid Surface	'MF' 45° Micro-finish Gen. Purpose
Insert Cutterheads	Tool #	—	Tool #	—	—
61342, 61362, 61386	ICK-15		HCK-15		

20 x 12 x 1.5mm – 2 Cutting Edges



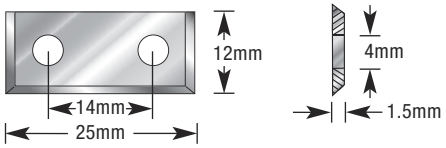
Insert Cutterhead	Tool #	—	Tool #	Tool #	—
61388	ICK-20		SCK-20	HCK-20	

25 x 12 x 1.5mm – 2 Cutting Edges



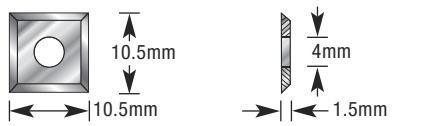
Various	Tool #	—	—	Tool #	—
	AMA-25		HMA-25		

25 x 12 x 1.5mm – 2 Cutting Edges



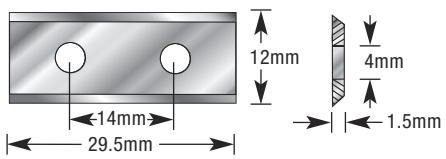
Various	Tool #	—	—	Tool #	—
	ICK-25		HCK-25		

10.5 x 10.5 x 1.5mm – 4 Cutting Edges



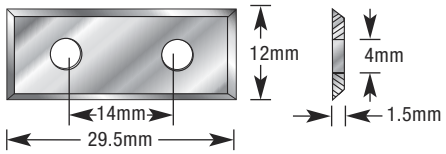
Various	Tool #	—	—	—	—
	AMA-10		HMA-10		

30 x 12 x 1.5mm – 2 Cutting Edges



Insert Trim Bits	Tool #	Tool #	Tool #	Tool #	Tool #
RC-1002, RC-1004, General Use	ICK-30	ICK-30-DLC* New	SCK-30	HCK-30	MFK-30

29.5 x 12 x 1.5mm – 4 Cutting Edges



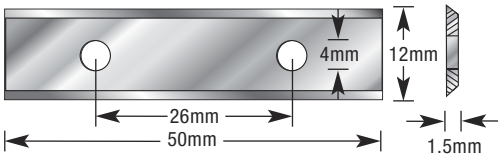
Insert Straight Bits	Tool #	Tool #	Tool #	Tool #	—
RC-1084, RC-1086, RC-1088, RC-1090, RC-1156, RC-1160, RC-1164, RC-2084, RC-2086, RC-2088, RC-2090, RC-2156, RC-2160, RC-2164	RCK-30	RCK-30-DLC* New	SRK-30	HRK-30	

* Diamond-Like Carbon (DLC)

Warning: Before use, read router bit safety guidelines on pages 248-250.

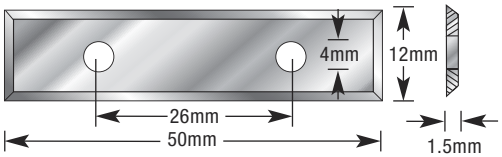
Tool Application	'G' 35º Gen. Purpose Wood, Chipboard, Plywood	'S' 35º Solid Wood DLC Coated*	'S' 35º Softwood/ Hardwood	'H' 35º MDF, Chipboard, Solid Surface	'MF' 45º Micro-finish Gen. Purpose
Insert Cutterheads	**Tool #**	—	**Tool #**	**Tool #**	—
61304, 61306, 61310	**ICK-50**		**SCK-50**	**HCK-50**	

50 x 12 x 1.5mm – 2 Cutting Edges



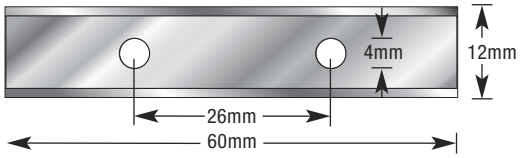
Insert Cutterhead	**Tool #**	**Tool #**	**Tool #**	**Tool #**	—
RC-1158, RC-1162, RC-1166, RC-2158, RC-2162, RC-2164	**RCK-50**	**RCK-50-DLC** * New	**SRK-50**	**HRK-50**	

50 x 12 x 1.5mm – 4 Cutting Edges



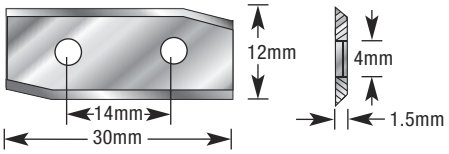
Insert Cutterhead	**Tool #**	—	—	—	—
61484, 61485, 61467	**ICK-60**				

60 x 12 x 1.5mm – 2 Cutting Edges



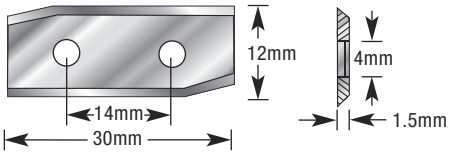
Edgebander Trim	**Tool #**	—	—	—	—
Knives, Right Hand	**ICK-35RH**				

30 x 12 x 1.5mm – 2 Cutting Edges



Edgebander Trim	**Tool #**	—	—	—	—
Knives, Left Hand	**ICK-35LH**				

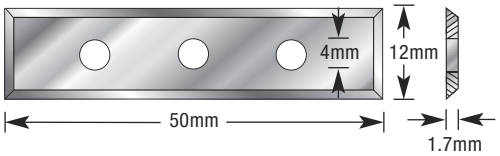
30 x 12 x 1.5mm – 2 Cutting Edges



Use on RC-2400	**Tool #**	**Tool #**	—	—	—
Use on RC-1006	**RCK-151**	**RCK-151-DLC** * New			

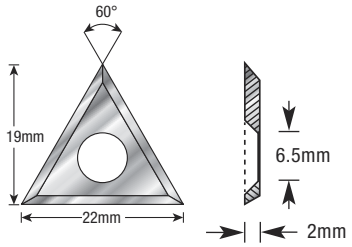
* Diamond-Like Carbon (DLC)

50 x 12 x 1.7mm – 4 Cutting Edges



REVERSIBLE 30º SOLID CARBIDE INSERT

Tool Application	'G' 30º Gen. Purpose Wood, Chipboard, Plywood	'S' 35º Softwood/ Hardwood	'H' 35º MDF, Chipboard, Solid Surface	'MF' 45º Micro-finish Gen. Purpose
Insert Trim Bits	**Tool #**	**Tool #**	**Tool #**	**Tool #**
—	**RCK-37**	—	—	—

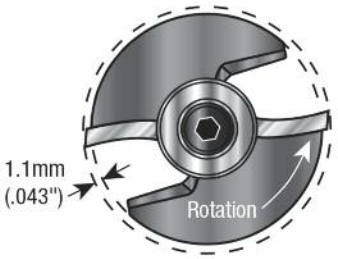


See the Difference!

Highest Quality with Maximum Safety!

Amana Tool®
INDUSTRIAL

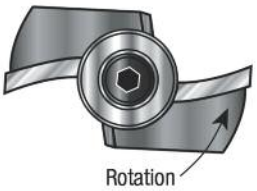
BG CERTIFIED
Anti-kickback design with chip limiter



Safer Design

Other Brands

NON-BG



This "BG Standard"/ EN-847-1/2 helps minimize serious work accidents in the woodworking industry for handheld and manual-fed machines.

Amana Tool® router bits are manufactured according to the five requirements of the EN-847-1/2 standard:

- Each tool features "anti-kickback" chip limiter to prevent the tool from "overfeeding" and kicking back the material to the machine operator. The standard also determines the maximum distance between the "anti-kickback" shape and the cutting edge.
- Protrusion of the knife from the supporting tool body is restricted to prevent injury.
- Sharp corners on the supporting body of the knife are prohibited, preventing injury to the user in areas where there is no knife.
- Each tool has a maximum safe speed; calculated by a computer program, that takes into account the size of the cut profile, type of steel, shank size, tool balance and machine run-out.
- Different groups of tools are produced using various grades of steel dictated by workload and material type. Tools are made from raw material defined by the standard to support the high demand of mechanical properties of woodworking tools.

Anti-Kickback.....or 'BG' Test?

The term 'Anti-Kickback' has been an industry topic for quite some time and relates to cutting tools such as router bits, saw blades, etc. There are several brands of 'Anti-Kickback' router bits presently on the market and all of them, it seems, would offer some degree of safety to the end-user because they limit the 'chip-thickness' of the material being cut. In other words, the cutting tool will take less of a 'bite', thereby decreasing the likelihood of a kickback. While this is true, however, it should be pointed out that there are significant details to be considered when designing, manufacturing and using industrial cutting tools.

1. What is 'BG'?

'BG' is an acronym for 'Holz Berufsgenossenschaft', the German Woodworking Trade Association. For the sake of worker safety, this esteemed group has established basic rules for the design, manufacturing and use of cutting tools for the wood and plastic industries.

These basic rules concern testing the working safety of woodworking machine tools. They establish test procedures and indicate all essential regulations and rules of technology, which need to be taken into account during testing. Precise geometric design, as well as the use of high quality materials and replacement parts complying with DIN standards, will ensure a safe tool with a high degree of precision in the production and the balance of the tools. The purpose of the test is to ascertain whether it is ensured that users or third parties, who are handling the tools properly are, in fact, protected as far as possible from risk to life or health.

Tools for use in wood and plastic working are classified into two groups: manual feed operations and mechanical feed operations.

Manual Feed Operations

'Manual feed' describes the holding and/or guiding by hand of the work-piece or of a machine element incorporating a tool. Manual feed includes the use of a hand-operated carriage, on which the work-piece is placed manually or clamped and the use of a demountable power feed unit.

Tools for manual operation marked 'BG-TEST' are designed according to the following rules:

a) Thickness of chip limit with a maximum cutting edge projection of 1.1mm (.043"), over the total length of the cutting profile;

b) Restricted maximum chip clearance width, including the regrinding range as a function of the cutting flight circle;

c) Kickback ratio must not exceed $0.25\ Vr/Vs < 0.25$ (where Vs = cutting velocity and Vr = kickback velocity).

Special purpose tools which, for reasons of speed and economy, cannot be inspected by the German Woodworking Trade Association may be used manually, if they conform with the above requirements.

Mechanical Feed Operation

'Mechanical feed' means a feed mechanism for the work-piece or tool, which is integrated with the machine and where the work-piece or machine element with incorporated tool are held and controlled mechanically during the machining operation.

All the tools may be used for mechanical feed operation. The rules that characterize manual feed operation tools do not apply to them, except for the manufacturer's label and maximum permitted speed. The basic rules applying to manual feed operations do not apply to router bits with diameters smaller than 16mm.

2. 'BG' Form vs 'BG' Test

'BG' Form is a term indicating cutting tools which have the same general circular shape of 'BG' Test tools, but which do not comply with the strict regulations governing 'BG' Test as outlined above (1.1mm cutting edge projection, restricted maximum chip clearance width, etc.). There is a significant difference between the two.

Important Note: Unless specified otherwise, all router bits larger than 5/8" (16mm) diameter in this catalog are 'BG-TEST'. This does not apply to CNC router bits.

TECHNICAL INFORMATION

Router Bit Selection, Application & Maintenance

1. GENERAL INFORMATION

The router bits contained in this catalog are designed for use in portable or stationary/CNC routing machines only. Do not use router bits in any other equipment such as a drill press, portable electric drill, etc. Conversely, 'Boring Bits', are designed for boring machines and/or drill presses, and not for routing machines or portable drills. Unless specified otherwise, all router bits in this catalog are for clockwise (right hand) rotation.

Always wear proper eye protection while operating routers.

Read and understand all information provided with the particular router you are using. The router should be of high quality and all parts thereof should be well maintained. Keep body, clothing and hair away from all moving parts.

Cutting tools that are properly sharpened and maintained will cut faster, better and longer, and will be safer to use. In addition, less horsepower is required (both machine & operator) when sharp tools are used.

2. ROUTER TOOL SELECTION

Carbide router bits provide an excellent finish in solid hard and softwood, wood by-products such as MDF and plywood, and abrasive materials such as plastic, Corian® and other solid surface sheet goods. Under certain conditions, non-ferrous metals such as aluminum and brass can also be cut using carbide tools provided that a coolant is used and proper clamping devices are employed. Extreme care should be taken when cutting non-ferrous metals, and if you are not familiar with the special cutting properties of these materials, please seek professional advice before you attempt any routing or sawing. **Never** attempt to cut ferrous metals (steel, iron, etc.) with carbide router bits.

Solid steel portions of our tools (shank, tool body) are **turned, milled and ground** (not cast) from the highest quality tool-steel available.

Note: On certain grinding equipment, cast body tools have been known to be more difficult to re-sharpen due to indexing complications. Choose your tools carefully.

Always use the **shortest cutting edge** available that will meet the requirements of your application. Excessive cutting edge length and/or overall length compounds vibration and deflection – a leading cause of tool breakage.

Always use the **largest diameter shank** available that your router will accommodate.

Always use the **correct size collet** for your router and avoid using collet reducing sleeves or bushings. Reducers only add to vibration and run-out, and they generally do not provide the necessary holding capabilities as with a collet alone.

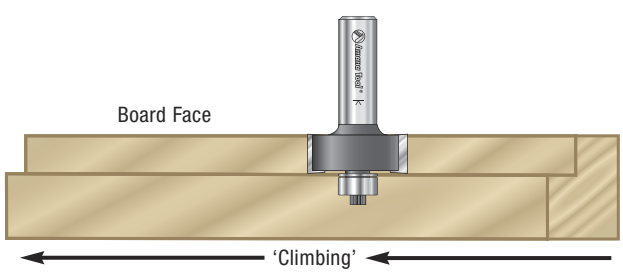
3. ROUTER TOOL USAGE

Always use **properly sharpened cutting tools**. The **feed-rate** of a router to the work-piece (or vice-versa if used in a router table) is very important to the longevity of the tool and the overall quality of cut. The operator should feel a constant, even pressure when the work is applied to the cutter. If chattering occurs, stop the router promptly and inspect the router, cutting tool, collet and clamping devices, and ensure that the proper tool is being used for the material being cut.

Always keep the tool moving. Allowing the tool to 'dwell' in the cut will cause burning and reduce tool life immensely. Remember, heat can ruin a sharp tool.

Feed-rate ultimately depends on three factors: 1) the type of material being cut, 2) the amount of material being removed and, 3) the type of tool being used.

'Climb-cutting' is **not recommended** as a portable routing technique. This action tends to grab the wood and pull the cutting tool in the direction indicated.



If using extremely **large diameter** tools, always accomplish the cut with several passes of the router or, if applicable, remove as much material prior to using the large tool by means of chamfering, etc. This method will increase tool life and generally be a safer practice than trying to remove too much material in one pass. Large diameter router bits should generally be used in a high quality router table.

Proper **collet condition** is of extreme importance. Worn, scored or out-of-round router collets do not provide adequate holding power and will increase run-out and vibration. Multiply these factors by the router RPM (22,000 and greater), and you will realize why we must emphasize the importance of proper router collet condition. Do not assume that new collets are geometrically correct. Dark marks or grooves in the router bit shank usually indicate slippage and a worn collet, which should be replaced immediately.

Router bits should always be **completely inserted** into the collet and backed-off slightly (1/16" approx.). **Never partially insert the bit into the collet.** Follow the guidelines provided in your router owner's manual for further information regarding this and the appropriate usage of the router base and sub-base (particularly for larger diameter tools that do not clear the standard opening in the router sub-base).

4. ROUTER TOOL MAINTENANCE

Carbide tools can be **re-sharpened** many times. Always have your cutting tools re-sharpened by a **reputable grinding firm only**.

Do not attempt to sharpen your own router bits by means of files, whetstones, etc.

Keep your cutting tools clean and free of dirt, wood resin, pitch and other contaminants using a standard commercial solvent. A light coat of machine oil should prevent any surface discoloration or rust. Thoroughly wipe clean all shanks to prevent slippage during use.

Ball Bearings should not be cleaned with solvents, as this will deteriorate the special grease packed inside them. Rather, use an air gun to blow off any dust or dirt. 'Frozen' ball bearings (ones that do not rotate freely) should be replaced promptly.

Hardware (nuts, screws, washers) should be replaced if worn.

See "Replacement Parts" on pages 229-245.

5. ROUTER TOOL TERMINOLOGY

Cutting Diameter ('D') refers to the largest cutting diameter of the tool and is represented in fractions, decimals and/or millimeters.

Cutting Length ('B or C') refers to the length or 'depth' of the cutting edge. This dimension usually represents the cutting edge length parallel to the length of the shank and is represented in fractions and/or millimeters.

Shank Diameter ('d') refers to the largest diameter of the shank and is equivalent to the router collet inside diameter that is necessary to use the tool. This dimension is represented in fractions.

Overall Length ('L') refers to the total length of a router bit from the top of the shank to the bottom of the tool at its furthestmost point. This dimension is represented in fractions and/or millimeters.

Radius ('R') of a cutting tool edge refers to one-half the diameter of a complete circle, and is shown in fractions and/or millimeters.

Bevel Angle ('a°') refers to the angle formed between the cutting tool edge and a straight line drawn parallel or perpendicular to the shank length, and is measured in degrees.

Rake Angle ('T') refers to the angle (or 'hook') of the cutting tool tip in relationship to a straight line drawn perpendicular through the center of the tool. This dimension is measured in degrees.

Primary Radial Clearance ('P') refers to the relief grind on the tip of the tool and is measured in degrees.

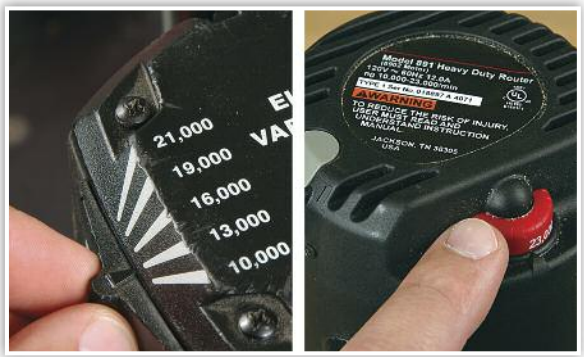
Secondary Radial Clearance ('O') refers to the combined relief grind of the primary clearance and the clearance ground into the body of the tool. This dimension is measured in degrees.

Web Diameter ('N') refers to the thickness of the ground steel body of the tool, including the heel area **('M')**. The web must be of adequate thickness to withstand industrial routing applications.

Safety Guidelines for router bits

1. Always refer to your power tool owner's manual prior to using your router and router bits.

2. Always wear eye and hearing protection. Keep clothing clear of cutting area.



3. Never exceed the recommended RPM for the router bit. See reference chart online http://www.amanatool.com/maxrpm

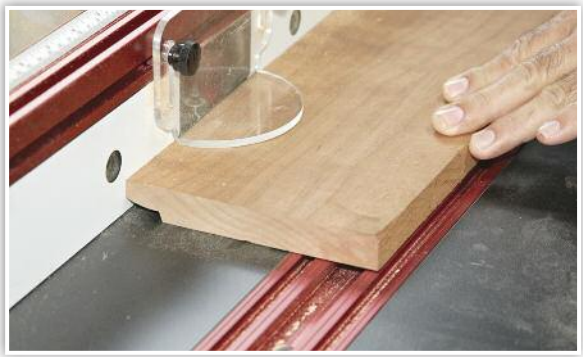
4. Check the router collet periodically for wear.

5. Never use a large diameter bit in a handheld router. Refer to Amana Tool® website and catalog for guidelines.

6. Plan the cutting path to avoid cutting the power cord.

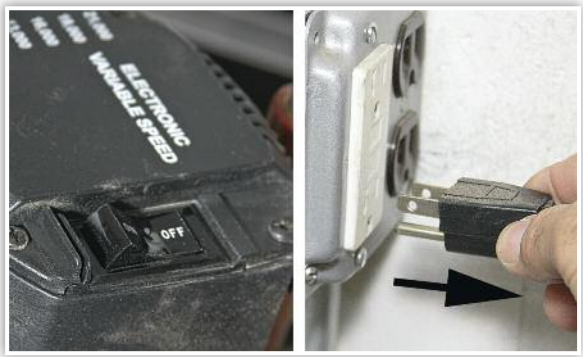
For up to date Safety Guidelines in English, French and Spanish visit www.amanatool.com/safety

SAFETY GUIDELINES *For Router Bits*



7. Always use a guard and a fence while routing.

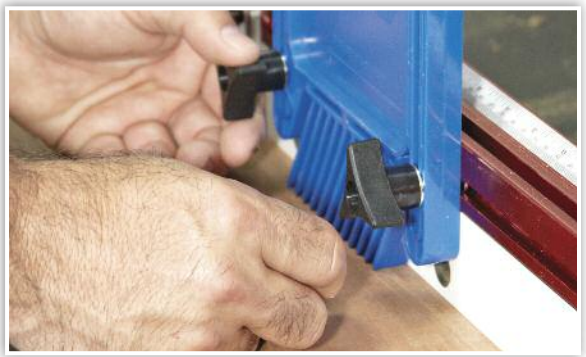
8. Secure the router motor in the base before plugging it in to the power outlet.



9. Make certain that the power switch is in the “OFF” position before connecting the router to the power source.

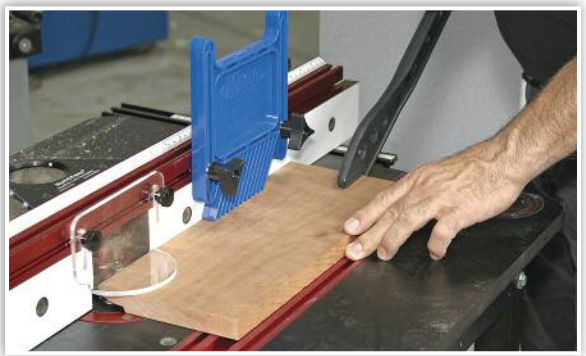
10. Make certain that the stock is free of warp, twist, nails, screws, staples, grit or any other foreign object.

11. Do not bottom-out the bit in the collet; insert the bit fully and then back it out 1/8" or to stop line ⊀, when available.



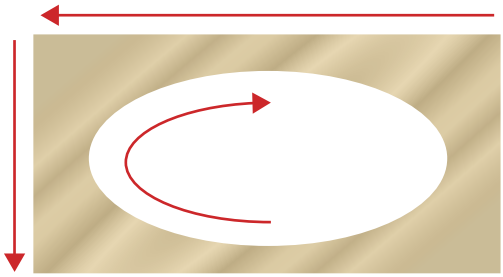
12. Always use featherboards to hold the work-piece firmly to the table and fence.

13. Never start the router with the router bit in contact with the stock/work-piece.



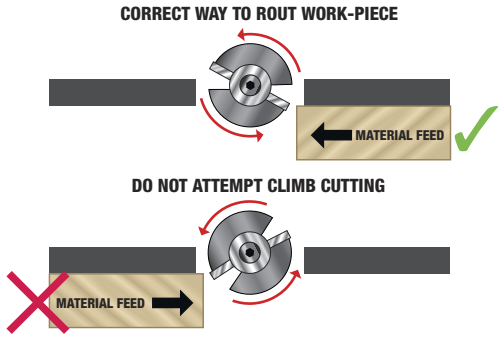
14. Always use “push blocks” and “push sticks” to distance your hands from the bit.

SAFETY GUIDELINES *For Router Bits*



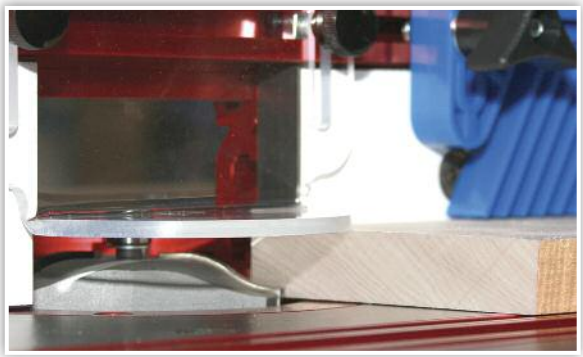
ROUTE ENDGRAIN FIRST

15. Push the router in a counter-clockwise direction for external cuts and clockwise for internal cuts.



16. Never "climb" cut. Always feed the work-piece against the rotation of the bit.

17. Avoid routing small stock. Shape a larger work-piece and then reduce it in size. If you must shape a small piece use a jig or large wooden clamp to grasp the stock.

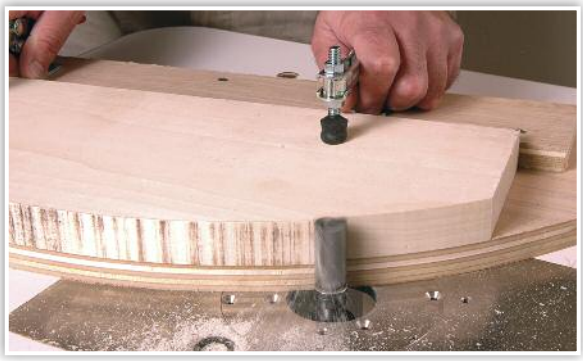


18. Always plan to route in several passes to achieve the final profile. Do not force the bit into the work-piece. If the router is straining or becomes overloaded, the cut is too heavy or bit is dull.

19. Use a jig or miter gauge when shaping end of narrow stock.

20. Reduce the fence opening as much as possible in order to provide support for the work-piece. When using large diameter bits, such as a raised panel bit, make a zero-clearance fence opening.

21. Use a starting pin when shaping curved stock without the use of a template.



22. When shaping curved stock with a template, extend template beyond the work-piece so that the template contacts the guide bearing before work-piece contacts the bit.

For up to date Safety Guidelines in English, French and Spanish visit www.amanatool.com/safety