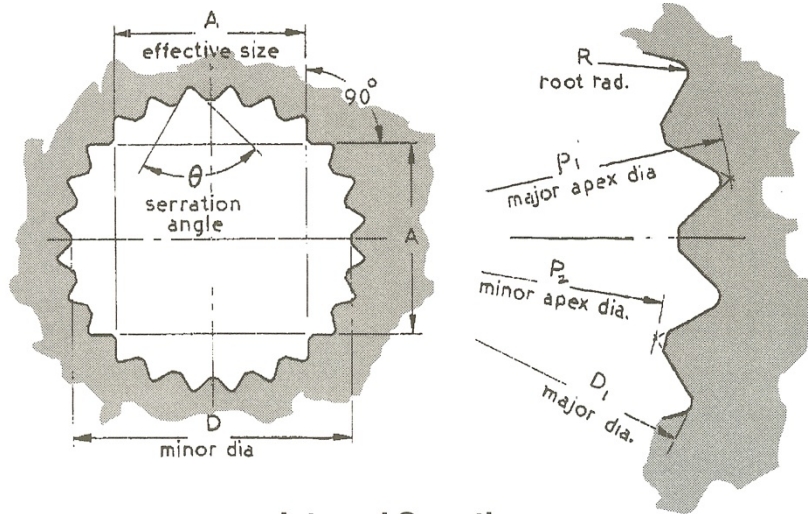
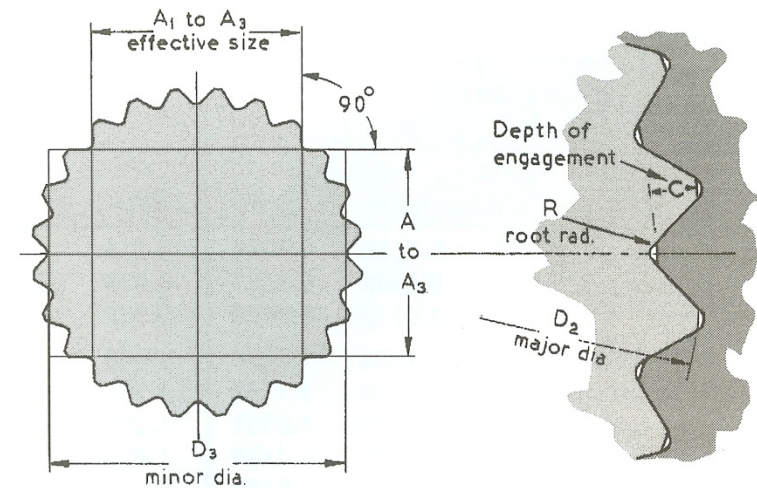


BRITISH STRAIGHT SIDED SERRATIONS STANDARD - Straight Sided Serrations



Internal Serrations



External Serrations



90 Bissel Street

Joliet, IL 60432

phone 800.876.7216

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BRITISH STRAIGHT SIDED SERRATIONS STANDARD - Straight Sided Serrations

# of Serr.S	Norm. Size	O	P1	P2	C	C-S	R	D1	D	A	D2	D3	Shaft A1	A2	A3	Resultants Fits		
																Fit 1 Inter Clearance	Fit 2 Transition	Fit 3 Clearance
																A-A1	A-A2	A-A3
12	1/4	60	0.2780	0.1966	0.0172	0.2064	0.0090	0.2680	0.2114	0.1390	0.2480	0.1990	0.1405	0.1393	0.1381	-1.5	-0.3	+0.9
12	1/4	60	0.2780	0.1966	0.0172	0.2064	0.0060	0.2680	0.2126	0.1399	0.2470	0.1990	0.1399	0.1384	0.1384	0.0	+1.5	+3.0
12	5/16	60	0.3476	0.2458	0.0214	0.2568	0.0120	0.3350	0.2649	0.1738	0.3100	0.2490	0.1753	0.1741	0.1741	-1.5	-0.3	+0.9
12	5/16	60	0.3476	0.2458	0.0214	0.2568	0.0070	0.3350	0.2661	0.1747	0.3090	0.2490	0.1747	0.1732	0.1732	0.0	+1.5	+3.0
16	3/8	67-1/2	0.9374	0.3123	0.0216	0.3456	0.0060	0.3890	0.3287	0.2217	0.3720	0.3140	0.2217	0.2202	0.2187	0.0	+1.5	+3.0
16	7/16	67-1/2	0.4637	0.3643	0.0252	0.4032	0.0110	0.4560	0.3820	0.2576	0.4350	0.3660	0.2591	0.2579	0.2567	-1.5	-0.3	+0.9
16	7/16	67-1/2	0.4637	0.3643	0.0252	0.4032	0.0060	0.4560	0.3836	0.2585	0.4340	0.3660	0.2585	0.2570	0.2555	0.0	+1.5	+3.0
1/2	1/2	67-1/2	0.5299	0.4163	0.0300	0.4800	0.0120	0.5200	0.4354	0.2944	0.4980	0.4190	0.2959	0.2947	0.2935	-1.5	-0.4	+1.2
16	1/2	67-1/2	0.5299	0.4163	0.0300	0.4800	0.0070	0.5200	0.4370	0.2953	0.4970	0.4190	0.2953	0.2938	0.2923	0.0	+2.0	+4.0
20	5/8	72	0.6489	0.5394	0.0313	0.6260	0.0110	0.6430	0.5578	0.3814	0.5400	0.5230	0.3834	0.3818	0.3802	-2.0	-0.4	+1.2
20	5/8	72	0.6489	0.5394	0.0313	0.6260	0.0060	0.6430	0.5594	0.3826	0.5400	0.5220	0.3826	0.3806	0.3786	0.0	+2.0	+4.0
20	3/4	72	0.7787	0.6473	0.0378	0.7560	0.0130	0.7690	0.6685	0.4577	0.7480	0.6500	0.4597	0.4581	0.4665	-2.0	-0.4	+1.2
20	3/4	72	0.7787	0.6473	0.0378	0.7560	0.0080	0.7690	0.6705	0.4589	0.7460	0.6500	0.4589	0.4569	0.4649	0.0	+2.0	+4.0
20	7/8	72	0.9085	0.7552	0.0449	0.8980	0.0150	0.8960	0.7792	0.5340	0.8730	0.7600	0.5360	0.5344	0.5328	-2.0	-0.4	+1.2
20	7/8	72	0.9085	0.7552	0.0449	0.8980	0.0100	0.8960	0.7812	0.5352	0.8710	0.7600	0.5332	0.5332	0.5312	0.0	+2.0	+4.0
24	1	75	1.0277	0.8847	0.0437	1.0488	0.0130	1.0200	0.9066	0.6256	0.9980	0.8860	0.6281	0.6261	0.6241	-2.5	-0.5	+1.5
24	1	75	1.0277	0.8847	0.0437	1.0488	0.0080	1.0200	0.9086	0.6271	0.9960	0.8960	0.6271	0.6246	0.6221	0.0	+2.5	+5.0
24	1-1/8	75	1.1561	0.9953	0.0492	1.1808	0.0150	1.1460	1.0201	0.7038	1.1230	0.9990	0.7063	0.7043	0.7023	-2.5	-0.5	+1.5
1-1/4	1-1/8	75	1.1561	0.9953	0.0492	1.1808	0.0100	1.1460	1.0225	0.7053	1.1210	0.9990	0.7053	0.7043	0.7003	0.0	+2.5	+5.0
24	1-1/4	75	1.2846	1.1059	0.0550	1.3200	0.0170	1.2720	1.1335	0.7820	1.2480	1.1110	0.7845	0.7825	0.7805	-2.5	-0.5	+1.5



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BRITISH STRAIGHT SIDED SERRATIONS STANDARD - Straight Sided Serrations (contd)

# of Serr.S	Norm. Size	O	P1	P2	C	C-S	R	D1	D	A	D2	D3	A1	A2	A3	Resultants Fits		
																Fit 1 Inter Clearance	Fit 2 Transition	Fit 3 Clearance
24	1-3/8	75	1.2846	1.1059	0.0550	1.3200	0.0120	1.2720	1.1359	0.7835	1.2460	1.1110	0.7835	0.7810	0.7785	0.0	+2.5	+5.0
24	1-3/8	75	1.4130	1.2165	0.0616	1.4784	0.0180	1.3990	1.2455	0.8602	1.3730	1.2220	0.8627	0.8607	0.8587	-2.5	-0.5	+1.5
24	1-1/2	75	1.4130	1.2165	0.0616	1.4784	0.0180	1.3990	1.2479	0.8617	1.3710	1.2220	0.8617	0.8592	0.8567	0.0	+2.5	+5.0
24	1-1/2	75	1.5415	1.3271	0.0674	1.6176	0.0200	1.5250	1.3589	0.9384	1.4980	1.3350	0.9409	0.9389	0.9369	-2.5	-0.5	+1.5
24	1-3/8	75	1.5415	1.3271	0.0674	1.6176	0.0150	1.5250	1.3613	1.9399	1.4960	1.3350	0.9399	0.9374	0.9349	0.0	+2.5	+5.0
36	1-5/8	80	1.6503	1.5002	0.0470	1.6920	0.0140	1.6430	1.5242	1.0608	1.5230	1.5020	1.0638	1.0614	1.0590	-3.0	-0.6	+1.8
36	1-5/8	80	1.6503	1.5002	0.0470	1.6920	0.0090	1.6430	1.5270	1.0626	1.5210	1.5020	1.0626	1.0596	1.0566	0.0	+3.0	+6.0
36	1-3/4	80	1.7773	1.6156	0.0511	1.8396	0.0150	1.7690	1.6410	1.1424	1.7480	1.6180	1.1454	1.1430	1.1406	-3.0	-0.6	+1.8
36	1-3/4	80	1.7773	1.6156	0.0511	1.8396	0.0100	1.7690	1.6438	1.1442	1.7460	1.6180	1.1442	1.1412	1.1382	0.0	+3.0	+6.0
36	1-7/8	80	1.9044	1.7311	0.0551	1.9836	0.0160	1.8950	1.7580	1.2241	1.8730	1.7430	1.2271	1.2247	1.2223	-3.0	-0.6	+1.8
36	1-7/8	80	1.9044	1.7311	0.0551	1.9836	0.0110	1.8950	1.7608	1.2259	1.8710	1.7430	1.2259	1.2229	1.2199	0.0	+3.0	+6.0
36	2	80	2.0313	1.8465	0.0592	2.1312	0.0170	2.0210	1.8748	1.3057	1.9980	1.8510	1.3087	1.3063	1.3039	-3.0	-0.6	+1.8
36	2	80	2.0313	1.8465	0.0592	2.1312	0.0120	2.0210	1.8776	1.3075	1.9960	1.8510	1.3075	1.3045	1.3015	0.0	+3.0	+6.0
36	2	80	2.2852	2.0773	0.0672	2.4192	0.0190	2.2720	2.1084	1.4689	2.2480	2.0830	1.4719	1.4695	1.4671	-3.0	-0.6	+1.8
36	2	80	2.2852	2.0773	0.0672	2.4192	0.0140	2.2720	2.1116	1.4707	2.2460	2.0830	1.4707	1.4677	1.4647	0.0	+3.0	+6.0
36	2-1/4	80	2.2852	2.3081	0.0750	2.7000	0.0210	2.5250	2.3428	1.6321	2.4980	2.3140	1.6356	1.6328	1.6300	-3.5	-0.7	+2.1
36	2-1/4	80	2.2852	2.3081	0.0750	2.7000	0.0160	2.5250	2.3460	1.6342	2.4960	2.3140	1.6342	1.6307	1.6272	0.0	+3.5	+7.0
40	2-3/4	81	2.7885	2.5611	0.0735	2.9400	0.0220	2.7730	2.5972	1.8110	2.7480	2.5680	1.8145	1.8117	1.8089	-3.5	-0.7	+2.1
40	2-3/4	81	2.7885	2.5611	0.0735	2.9400	0.0170	2.7730	2.6004	1.8131	2.7460	2.5680	1.8131	1.8096	1.8061	0.0	+3.5	+7.0
40	3	81	3.0420	2.7939	0.0798	3.1920	0.0240	3.0250	2.8328	1.9756	2.9980	2.8030	1.9791	1.9763	1.9735	-3.5	-0.7	+2.1



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BRITISH STRAIGHT SIDED SERRATIONS STANDARD - Straight Sided Serrations (contd)

# of Serr.S	Norm. Size	O	P1	P2	C	C-S	R	D1	D	A	D2	D3	Shaft A1	A2	A3	Resultants Fits		
																Fit 1 Inter Clearance	Fit 2 Transition	Fit 3 Clearance
																A-A1	A-A2	A-A3
40	3	81	3.0420	2.7939	0.0798	3.1920	0.0190	3.0250	2.8364	1.9777	2.9960	2.9030	1.9777	1.9742	1.9707	0.0	+3.5	+7.0
48	3-1/4	82-1/2	3.2893	3.0671	0.0686	3.2928	0.0230	3.2740	3.1053	2.1688	2.2480	3.0740	2.1728	2.1696	2.1664	-3.5	-0.8	+2.4
48	3-1/4	82-1/2	3.2893	3.0671	0.0686	3.2928	0.0180	3.2740	3.1089	2.1712	2.2460	3.0740	2.1712	2.1672	2.1632	0.0	+4.0	+8.0
48	3-1/2	82-1/2	3.5424	3.3032	0.0741	3.5568	0.0250	3.5250	3.3442	2.3357	3.4980	3.3120	2.3397	2.3365	2.3333	-4.0	-0.8	+2.4
48	3-1/2	82-1/2	3.5424	3.3032	0.0741	3.5568	0.0200	3.5250	3.3478	2.3381	3.4960	3.3120	2.3381	2.3341	2.3301	0.0	+4.0	+8.0
48	3-3/4	82-1/2	3.4954	3.6391	0.0804	3.8592	0.0260	3.7770	3.5815	2.5025	3.4790	3.5480	2.5065	2.5033	2.5001	-4.0	-0.8	+2.4
48	3-3/4	82-1/2	3.7954	3.6391	0.0804	3.8592	0.0210	3.7770	3.5851	2.5049	3.4760	3.5480	2.5049	2.5009	2.4969	0.0	+4.0	+8.0
48	4	82-1/2	4.0484	3.7750	0.0859	4.1232	0.0280	4.0280	3.8202	2.6693	3.9980	3.7860	2.6733	2.6701	2.6669	-4.0	-0.8	+2.4
48	4	82-1/2	4.0484	3.7750	0.0859	4.1232	0.0230	4.0280	3.8242	2.6717	3.9960	3.7860	2.6717	2.6677	2.6637	0.0	+4.0	+8.0
48	4-1/4	82-1/2	4.3015	4.0110	0.0911	4.3728	0.0300	4.2800	4.0598	2.8362	4.2480	4.0230	2.8407	2.8371	2.8371	-4.5	-0.9	+2.7
48	4-1/4	82-1/2	4.3015	4.0110	0.0911	4.3728	0.0250	4.2800	4.0638	2.8389	4.2460	4.0230	2.8389	2.8344	2.8344	0.0	+4.5	+9.0