

Industrial Motor and Generator Brushes



About Our Company

Schunk Graphite Technology is a member of the Schunk Group. Since Schunk was founded in 1913, Schunk has grown to become a worldwide company with production facilities in more than 17 countries, and includes 83 companies in countries across the globe. Expansion into the United States took place in the 1980's, and the growth of Schunk Graphite Technology was fueled by the acquisitions of The Ohio Carbon Company and Carbon Engineering Company in the late 1990's.

Today, Schunk Graphite Technology manufactures and sells a wide range of carbon, graphite, and ceramic products for use in mechanical, high temperature, and electrical applications. We have extensive experience in the manufacturing and supply of carbon graphite, resin bonded graphite, metal graphite, pitch bonded graphite, and electrographite brushes for both domestic and metric motor applications.

As one of the world's largest suppliers of carbon and graphite for the carbon brush industry, Schunk is able to provide consistent performance through the use of strict controls on production. From the mixing of raw carbon, graphite, and metal powders, through the pressing and heating processes, Schunk maintains stringent quality control to assure uniform quality and consistent characteristics worldwide. This total control of the process also enables us to custom tailor grades for the marketplace to perform in any application.

The Order Specification section contains information on grades, terminals, brush dimensions, shunt locations and brush shaping alternatives. Also included is a style guide to assist with the identification of typical brush configurations. Required ordering information is shown on the inside back cover. Please be as specific and as complete as possible when supplying information to allow us to respond to your needs as quickly and accurately as possible.

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Brush Specification

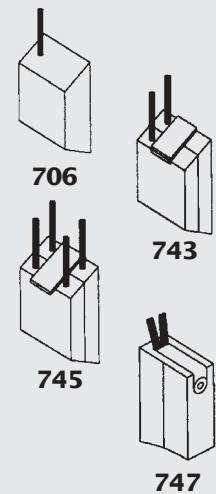
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**POWERTRON ■ EMERSON ■ WER ■ US MOTORS
■ ELECTROSTAT ■ BALDOR**

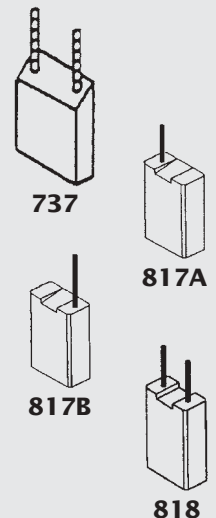
Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
A15003-21	450-110508	747	EG	0.750	0.625	1.500	15/10
A15003-25	450-110508	747	EG	0.750	0.625	1.500	15/10
A18044-1	455-1105564	706	EG	0.375	1.000	1.250	30/20
A18044-2	455-1105564	706	EG	0.375	1.000	1.250	30/20
B13257-1	455-1101125-1	747	EG	1.250	0.750	2.000	15/5
B13257-2	455-1101125	747	EG	1.250	0.750	2.000	15/5
B13287-1	450-110693	747	EG	1.250	0.750	2.000	15/5
B13421-1	455-1101121	747	EG	0.875	0.750	1.625	15/7
B13421-2	455-1101121	747	EG	0.875	0.750	1.625	15/7
B13421-5	455-1101121	747	EG	0.875	0.750	1.625	15/7
B13595-1	455-110135	745	EG	0.625	1.250	2.125	30/20
B13595-2	455-110135	745	EG	0.625	1.250	2.125	30/20
B13621-1	450-110170	747	EG	0.875	0.750	1.625	15/8
B13777-1	455-1101105	743	EG	0.750	1.500	2.750	30/20
B15017-1	455-1101125	747	EG	1.250	0.750	2.000	15/5
B15017-2	455-1101125	747	EG	1.250	0.750	2.000	15/5
B15017-3	455-1101125	747	EG	1.250	0.750	2.000	15/5
B15107-2	455-1102184	743	EG	0.875	1.500	3.125	30/20
B15368-2	455-1102184	743	EG	0.875	1.500	3.125	30/20
B15390-2	450-110170	747	EG	0.875	0.750	1.625	15/8
B15392-1	455-110135-1	745	EG	0.625	1.250	2.125	30/20
B15392-2	455-110135	745	EG	0.625	1.250	2.125	30/20
B16958-2	450-110693	747	EG	1.250	0.750	2.000	15/5
B16958-3	450-110693	747	EG	1.250	0.750	2.000	15/5
B35014-3	450-110265	744	EG	0.625	1.250	2.000	30/25
B36024-1	455-110135	745	EG	0.625	1.250	2.125	30/20
B36024-2	455-110135	745	EG	0.625	1.250	2.125	30/20
B40019-1	455-1101105	743	EG	0.750	1.500	2.750	30/20
B40019-3	455-1101105	743	EG	0.750	1.500	2.750	30/20
B50034-1	455-1102096	743	EG	0.875	1.500	2.875	30/20
B50034-2	455-1102096	743	EG	0.875	1.500	2.875	30/20



PACIFIC SCIENTIFIC ■ HONEYWELL

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
P100923	455-1101152	817	RG	0.293	0.870	0.875	0/0
YP00351	455-1108513	818	MG	0.293	0.870	1.000	0/0
YP00352	455-1103789	817	RG	0.293	0.870	0.875	0/0
YP00353	455-1101051	818	MG	0.293	0.870	0.875	0/0
YP00356	450-110665	817	RG	0.293	0.870	1.000	0/0
YP00357	455-1101050	817	MG	0.293	0.870	0.875	0/0
YP00358	455-1101049	818	MG	0.293	0.870	1.000	0/0
YP00361	455-1108514	737	EG	0.313	1.250	1.250	0/0
YP00371	455-1101039	818	EG	0.293	0.870	0.875	0/0
YP00373	455-1108517	817	EG	0.293	0.870	1.000	0/0
YP00376	455-1104477	817	EG	0.313	0.875	1.250	0/0
YP00386	455-1101048	818	MG	0.293	0.870	1.000	0/0
YP00417	455-1108508	817	EG	0.250	0.750	1.000	0/0
YP00423	455-1108516	737	RG	0.313	1.250	1.250	0/0
YP00431	455-1103612	818	RG	0.313	1.250	1.250	0/0



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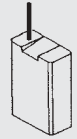
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Part Number Cross Reference

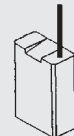
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YP00435	455-1108515	737	EG	0.313	1.250	1.250	0/0
YP00441	455-1101040	818	RG	0.293	0.870	1.000	0/0
YP00444	455-1108511	817	RG	0.293	0.870	1.000	0/0
YP00448	455-1104477	817	EG	0.313	0.875	1.000	0/0
YP00461	455-1105082	817	EG	0.293	0.870	0.875	0/0
YP00472	455-1101041	817	MG	0.293	0.870	0.875	0/0
YP00480	455-1103774	822	EG	0.313	0.875	1.125	0/0
YP00482	455-1101042	817	RG	0.293	0.870	0.875	0/0
YP00484	455-1101047	817	RG	0.293	0.870	1.000	0/0
YP00485	455-1101043	818	RG	0.293	0.870	1.000	0/0
YP00486	455-1101044	817	RG	0.293	0.870	0.875	0/0
YP00487	455-1103774	822	EG	0.313	0.875	1.125	0/0
YP00490	455-1104061	817	RG	0.313	0.875	1.250	0/0
YP00501	455-1106045	822	EG	0.313	0.875	1.125	0/0
YP00504	455-1103789	817	RG	0.293	0.870	0.875	0/0
YP00507	455-1103789	817	RG	0.293	0.870	0.875	0/0
YP00509	450-110665	817	RG	0.293	0.870	1.000	0/0
YP00510	450-110665	817	RG	0.293	0.870	1.000	0/0
YP00511	455-1108511	817	RG	0.293	0.870	1.000	0/0
YP00512	455-1108517	817	EG	0.293	0.870	1.000	0/0
YP00513	455-1101045	817	EG	0.293	0.870	1.000	0/0
YP00514	455-1101046	817	EG	0.293	0.870	1.000	0/0



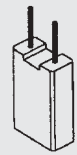
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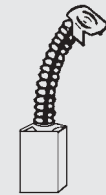
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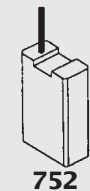
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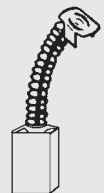
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BALDOR

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
BBR1072	450-213482	822	EG	0.250	0.250	0.750	0/0
BBR1073	450-213447	822	RG	0.250	0.250	0.750	0/0
BBR1077	450-213482	822	EG	0.250	0.250	0.750	0/0
BBR1078	450-213481	822	EG	0.250	0.375	0.750	0/0
BBR1079	450-213481	822	EG	0.250	0.375	0.750	0/0
BBR1083	450-213447	822	RG	0.250	0.250	0.750	0/0
BBR1087	450-213448	822	EG	0.313	0.438	0.750	0/0
BBR1089	450-213481	822	EG	0.250	0.375	0.813	0/0
BBR1873	450-213448	822	EG	0.313	0.438	0.938	0/0
BBR4564	450-213502	822	MG	0.313	0.438	0.938	0/0
BP5000A03	450-213448	822	EG	0.313	0.438	0.938	0/0
BP5000A14	450-213481	822	EG	0.250	0.375	0.813	0/0
BP5000AB08	450-213570	822	RG	0.313	0.625	0.955	0/0
BP5000AW14	450-213569	822	EG	0.313	0.625	0.955	0/0
BP5000C02	455-1108211	822	MG	0.313	0.500	0.875	0/0
BP5000C13	455-1108223	822	MG	0.313	0.625	0.940	0/0
BP5000H03	450-213577	822	RG	0.313	0.438	0.938	0/0
BP5000P07	450-110512	822	EG	0.375	0.750	1.250	0/0
BP5000P08	450-213569	822	EG	0.313	0.625	0.955	0/0
BP5000P12	450-110512	822	EG	0.375	0.750	1.250	0/0
BP5000T15	450-110305	822	RG	0.375	0.750	1.250	0/0
BP5001H01	450-110300	752	EG	0.394	0.876	1.500	0/20
BP5001P01	450-110300	752	EG	0.394	0.876	1.500	0/20
BP5001P02	450-110300	752	EG	0.394	0.876	1.500	0/20



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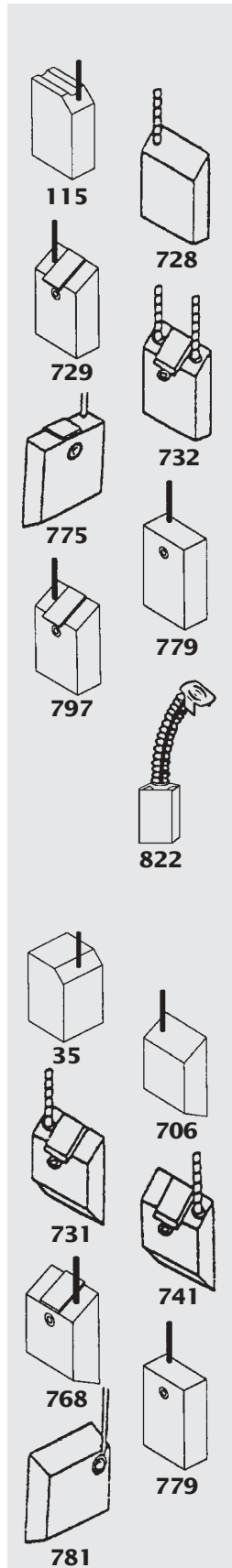
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BALDOR

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
BP5001P07	455-1108216	797	EG	0.375	0.875	1.250	30/0
BP5002A01	455-1108203	797	EG	0.375	0.875	1.250	30/0
BP5002A02	450-110556	797	EG	0.313	0.750	1.250	30/0
BP5002A04	450-110306	797	EG	0.438	0.750	1.250	30/0
BP5002C01	455-1108204	797	MG	0.375	0.875	1.250	30/0
BP5002C03	455-1108202	729	MG	0.313	0.875	1.250	30/0
BP5002D02	455-1108215	797	RG	0.375	0.875	1.250	30/0
BP5002H02	455-1108206	797	RG	0.313	0.750	1.250	30/0
BP5004A01	455-1108200	729	EG	0.313	0.625	1.250	30/0
BP5004C01	455-1102162	729	MG	0.313	0.625	1.250	30/0
BP5004H01	455-1108201	729	RG	0.313	0.625	1.250	30/0
BP5007D01	455-1108214	779	RG	0.188	0.750	1.125	0/0
BP5008D01	455-1101115	779	RG	0.313	0.875	1.250	0/0
BP5009D01	455-1108213	732	EG	0.250	0.500	0.875	0/0
BP5011AB01	450-213485	728	RG	0.221	0.747	1.000	30/0
BP5011P01	450-213576	728	EG	0.221	0.747	1.000	30/0
BP5011T01	450-213485	728	RG	0.221	0.747	1.000	30/0
BP5013Q01	450-213573	822	RG	0.313	0.625	0.955	0/0
BP5013T03	450-110298	822	CG	0.375	0.750	1.250	0/0
BP5021U01	450-213572	822	EG	0.250	0.250	1.000	0/0
BP5021V01	450-213575	822	RG	0.250	0.250	1.000	0/0
BP5027A01	455-1108221	775	EG	0.433	1.844	1.400	0/0
BP5031A01	450-110302	775	EG	0.433	1.260	1.400	0/0
BP5035A01	450-110303	115	RG	0.344	0.750	1.000	0/0
BP5035P01	450-110304	115	EG	0.344	0.750	1.000	0/0
BP5039AU01	450-213448	822	EG	0.313	0.438	0.750	0/0
BP5040AL01	450-213577	822	RG	0.313	0.438	0.938	0/0
BP5040P04	450-213448	822	EG	0.313	0.438	0.938	0/0
BP5046A01	450-213481	822	EG	0.250	0.375	0.813	0/0
BP5052BN01	450-213326	822	EG	0.250	0.375	0.760	0/0
BP5052P01	450-213481	822	EG	0.250	0.375	0.813	0/0
BP5061AL01	450-110998	822	RG	0.250	0.438	0.750	0/0
BP5066P01	450-213482	822	EG	0.250	0.250	0.750	0/0



GE

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
18809P.	455-1103677	35	EG	1.500	0.625	1.250	0/0
124A3528AGP.	455-1103661	779	EG	0.750	1.875	2.250	0/0
1306999	455-1109216	779	EG	0.625	1.500	2.000	0/0
1330212	455-1109101	741	RG	0.250	1.250	1.380	30/15
1330412	455-1109078	741	EG	0.500	1.000	2.000	30/15
1330413	455-1109427	731	EG	0.375	1.250	2.000	30/20
1330419	455-1109060	741	EG	0.438	0.750	1.880	15/15
1330449	455-1109429	741	EG	0.625	1.000	2.000	30/15
1330662	455-1109187	781	EG	0.375	0.750	1.250	15/15
1330663	455-1109188	706	EG	0.375	1.250	1.250	15/15
1333231	455-1109104	781	EG	0.750	1.000	2.000	30/15
1333360	455-1109102	768	EG	0.750	1.000	1.940	15/15
1334070	455-1109079	741	EG	0.500	1.000	1.880	30/15

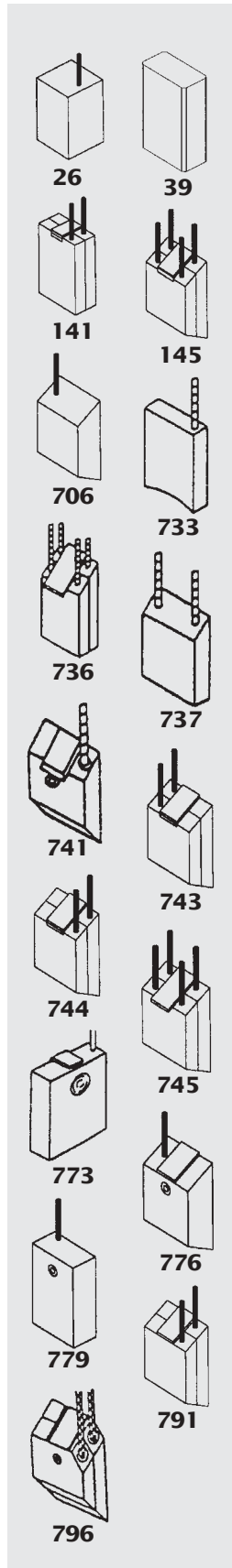
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GE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
1334085	455-1109077	741	RG	0.500	1.000	1.880	30/15
1334276	455-1109055	741	EG	0.500	1.250	2.000	30/15
1334435	455-1109359	26	EG	0.375	1.500	1.750	0/0
1334501	455-1109264	741	RG	0.250	1.250	1.380	30/15
1334501	455-1109276	741	EG	0.250	1.250	1.380	30/15
1334504	455-1109266	741	EG	0.375	1.250	2.000	30/15
1334504	455-1109265	741	RG	0.375	1.250	2.000	30/15
1334608	455-1109430	741	EG	0.500	1.000	1.250	30/15
1334609	455-1109431	741	EG	0.375	0.750	1.250	30/15
1491535	455-1102015	745	EG	0.500	1.000	1.880	0/0
209A9290P..	455-1103671	SPEC	EG	0.500	1.250	2.500	30/20
235A2307AAP.	455-1107018	733	EG	0.875	0.375	1.375	0/15
235A2307ABP.	455-1101257	745	EG	1.000	0.500	2.000	0/16
2437670	455-1109432	773	RG	1.250	0.750	2.250	0/0
2444730	455-1108984	773	EG	0.625	1.250	2.250	0/0
2444731	455-1108975	773	EG	1.500	0.625	2.250	0/0
2444743	455-1102023	773	EG	1.250	0.750	2.250	0/0
24C471P..	455-1102125	39	MG	0.630	0.315	0.810	0/0
24C515P..	455-1103608	39	MG	0.203	0.375	0.630	0/0
254A151P..	455-1109293	791	EG	1.000	1.250	3.000	30/15
25C2690P..	455-1108026	737	EG	0.625	1.250	2.750	40/0
25C30P..	455-1109259	141	EG	0.625	1.500	2.250	0/0
25C3340P..	455-1103855	26	MG	0.750	1.750	2.130	0/0
25C8000P..	455-1103787	145	EG	0.375	1.250	2.250	20/30
25X12685P..	455-1103655	744	EG	0.750	1.250	2.750	15/15
266A983AFP.	455-1109446	796	EG	1.000	1.250	3.250	30/15
2760288	455-1108926	773	EG	0.625	1.250	2.250	0/0
2760291	455-1109223	773	EG	1.000	1.250	2.250	0/0
3300A610003..	455-1109454	779	EG	1.500	0.625	2.250	0/0
337B696P4	455-1108022	736	EG	0.625	1.250	2.750	40/0
337B696P5	455-1108023	736	EG	0.625	1.750	2.750	40/0
337B696P7	455-1108024	736	EG	0.750	1.750	2.750	40/0
337B696P8	455-1102142	736	EG	0.625	1.500	2.750	40/0
337B696P9	455-1108025	736	EG	0.750	2.000	3.000	40/0
34A160016P..	455-1109636	779	MG	1.500	0.625	2.250	0/0
36A161401AAP.	455-1101105	743	EG	0.750	1.500	2.750	30/20
36A161402AAP.	455-1101106-1	743	EG	0.875	1.500	2.750	30/20
36A161402AAP2	455-1103814	743	RG	0.875	1.500	2.750	30/25
36A161403AAP.	455-1101107-1	743	EG	1.000	1.500	2.750	30/20
36A164451AAP.	455-1101102-1	743	EG	0.750	1.500	3.250	30/25
36A164451ABP..	455-1103756	743	EG	0.750	1.500	2.750	30/25
36A164452AAP.	455-110418-1	743	EG	0.875	1.500	3.250	30/25
36A164452BAP..	455-1103747	743	EG	0.875	1.500	3.250	30/14
36A164453AAP.	455-1101108-1	743	EG	1.000	1.500	3.250	30/25
36A164454AAP.	455-1109441	776	EG	0.375	1.000	2.000	30/25
36A164454ACP.	455-1105356	145	EG	0.375	1.000	1.750	25/10
36A164454DAP.	455-1103619	706	EG	0.500	1.500	2.500	30/22
36A164455AAP.	455-1109442	776	EG	0.500	1.000	2.130	30/25
36A164456AAP.	455-110135	745	EG	0.625	1.250	2.125	30/20
36A164456ABP..	455-1108470	706	EG	0.625	1.250	2.125	30/20



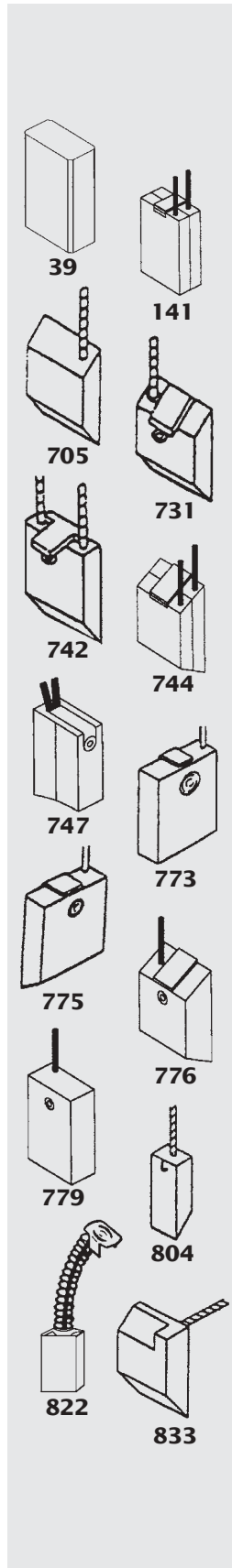
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GE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
36A164457AAP.	455-1109444	744	EG	0.750	1.250	2.500	30/25
36A166034AAP.	455-1101258	PAIRS	EG	0.750	0.750	2.500	0/0
36A167400AAP.	455-1101100	833	EG	0.375	1.000	1.130	30/20
36A167401AAP.	455-1101120-1	747	EG	0.875	0.625	1.500	15/0
36A167402AAP.	455-1101125	747	EG	1.250	0.750	2.000	15/0
36A171014AAP.	455-1103614	SPEC	EG	1.250	1.000	2.630	0/0
36A173550BAP.	455-1103748	SPEC	EG	1.000	3.123	3.250	30/14
41A235931P.	455-1103607	731	EG	0.500	1.000	1.750	30/0
4951223	455-1109033	775	EG	0.375	1.250	2.500	0/15
4951235	455-1108928	779	EG	0.625	1.250	2.500	0/15
5026908	455-1108809	731	EG	0.750	1.250	2.500	30/20
5026911	455-1109110	775	EG	0.750	1.250	2.500	0/15
5026913	455-1108866	731	EG	0.625	1.250	2.500	15/15
5026922	455-1109053	731	EG	0.500	1.250	2.500	15/15
5026924	455-1108876	731	EG	1.000	1.250	2.500	15/15
5026925	455-1109033	775	EG	0.375	1.250	2.500	0/15
5026927	455-1109134	776	EG	1.125	1.250	2.500	20/15
5026928	455-1108927	775	EG	0.625	1.250	2.500	0/15
5562026	455-1107999	773	EG	1.000	2.500	2.250	0/0
5869390AK..	455-1107466	822	RG	0.250	0.375	1.000	0/0
625A589AC..	450-110560	39	EG	0.375	0.625	1.130	15/0
625A600AA..	455-1107544	822	RG	0.500	0.500	1.000	0/0
625A611AB..	455-1103819	822	EG	0.374	0.847	0.880	15/0
625A619AC..	455-1107542	822	RG	0.250	0.375	1.130	0/0
625A637AA..	455-1107552	822	EG	0.125	0.250	0.630	0/0
625A637AB..	455-1107552	822	EG	0.125	0.250	0.630	0/0
625A637AC..	455-1107552	822	EG	0.125	0.250	0.630	0/0
625A649AA..	455-1106287	804	MG	0.500	0.625	1.688	0/25
625A651CA..	455-1103932	822	EG	0.375	0.625	0.880	0/0
625A651HA..	455-1103701	822	EG	0.375	0.625	1.000	0/0
625A676HA..	455-1103840	822	EG	0.313	0.375	0.880	0/0
626A142AA..	455-1101256	PAIRS	EG	0.500	0.625	1.500	0/25
6709170	455-1107937	779	EG	0.875	1.625	2.380	0/0
67226264	455-1107938	779	EG	0.625	1.875	2.000	0/0
6727577	455-1109267	141	EG	0.625	1.500	2.000	0/0
6WD42A32	455-1109239	705	RG	0.375	0.750	1.250	25/20
6WD43A34	455-1109240	731	EG	0.375	0.750	2.000	30/20
6WD44A2	455-110123	731	RG	0.375	0.750	1.880	30/20
8100097AA..	455-1107545	822	RG	0.500	0.500	1.000	0/0
8100097AB..	455-1101259	822	EG	0.500	0.500	1.000	0/0
8704778	455-1109433	776	EG	0.875	1.250	2.500	30/25
8763278AC..	455-1102163	822	EG	0.250	0.375	0.880	0/0
8763278AC..	455-1102163	822	EG	0.250	0.375	0.880	0/0
8790303P.	455-1101118	742	EG	0.375	1.500	2.250	35/20
8790303P.	455-1109280	742	EG	0.375	1.500	2.250	35/7.5
8790303P.	455-1109279	742	EG	0.375	1.500	2.250	35/20
8790303P.	455-1109282	742	RG	0.375	1.500	2.250	35/20
8790303P.	455-1109420	742	EG	0.750	1.500	2.250	35/20
8790303P.	455-1109281	742	EG	0.375	1.500	2.250	35/30
8790304ABP.	455-1109284	742	EG	0.500	1.500	2.250	35/20



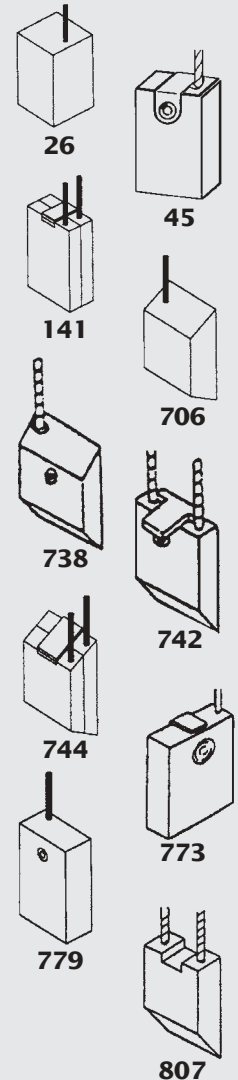
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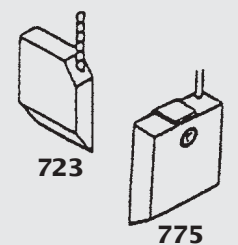
Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
8790304P.	455-1109287	742	EG	0.500	1.500	2.250	35/30
8790304P.	455-1101124	742	EG	0.500	1.500	2.250	35/20
8790304P.	455-1102128	742	EG	0.500	1.500	2.250	35/7.5
8790304P.	455-1109421	742	EG	0.500	1.500	2.250	35/20
8790304P.	455-1109288	742	EG	0.500	1.500	2.250	35/20
8790305ABP.	455-1109291	742	EG	0.625	1.500	2.250	35/20
8808429	455-1109068	773	CG	0.500	0.875	1.250	0/0
88088870	455-1107936	779	EG	0.875	1.625	2.380	0/0
8809239	455-1102010	779	EG	1.000	2.250	2.250	0/0
893A643AAP.	455-1102116	744	RG	0.625	0.500	2.000	40/15
894A500P.	455-110389	706	EG	0.375	0.750	1.280	30/20
894A500P.	455-1109243	706	RG	0.375	0.750	1.280	30/20
894A501P.	455-1109254	706	EG	0.375	1.000	2.030	30/17
894A501P.	455-1109252	706	EG	0.375	1.000	2.030	30/17
894A502P.	455-1108965	706	EG	0.375	1.250	2.000	30/17
894A502P.	455-1109253	706	RG	0.375	1.000	2.030	30/17
894A503P.	455-1103886	738	EG	0.500	1.250	2.000	30/20
894A503P.	455-1108967	706	EG	0.500	1.250	2.000	30/20
894A504P.	455-1102057	706	EG	0.625	1.250	2.280	30/20
894A504P.	455-1109269	706	EG	0.625	1.250	2.280	30/20
894A505P.	455-1109273	744	EG	0.750	1.500	2.280	40/20
894A505P.	455-1101104	744	EG	0.750	1.500	2.280	40/20
894A505P.	455-1109272	744	EG	0.750	1.500	2.280	40/20
894A506ADP.	455-1103683	141	EG	0.406	1.000	1.250	0/20
894A506P.	455-1109448	706	EG	0.375	1.000	1.280	40/20
944A417P.	455-1103798	706	EG	0.500	1.250	2.000	30/15
955A413P.	455-1109449	706	RG	0.375	1.250	2.000	30/15
955A416P.	455-1103797	738	EG	0.375	1.250	2.000	25/15
955A416P.	455-1109450	26	RG	0.375	1.250	2.000	0/0
955A448AEP.	455-1105343	SPEC	EG	0.563	2.020	1.410	30/5
961A802P.	455-1103758	738	RG	0.250	1.250	1.880	30/20
9651659	455-1109434	773	RG	1.250	0.750	2.750	0/0
989A733P.	455-1109451	45	EG	1.250	0.750	3.000	0/0
991A818AFP.	455-1109452	807	EG	0.500	1.500	2.750	0/20
991A818AFP.	455-1109453	807	EG	0.625	1.500	2.750	0/20
9961285	455-1107980	779	EG	0.500	1.125	1.880	0/0
A61A003P01	455-1108973	773	EG	1.500	0.625	2.250	0/0
A61A003P09	455-1109627	779	MG	1.500	0.625	2.250	0/0



RELIANCE

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE3141	455-1109129	755	EG	0.375	1.000	1.500	40/30
RE3141-AA	455-1102209	755	EG	0.625	2.000	2.250	40/
RE3141-AB	455-1108923	723	EG	0.500	1.500	2.250	40/30
RE3141-AC	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-AF	455-1109244	755	EG	0.438	1.250	1.750	40/30
RE3141-AH	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-AP	455-1109479	755	EG	0.438	1.500	2.250	40/30
RE3141-AS	455-1101215	755	EG	0.750	1.500	1.875	40/30



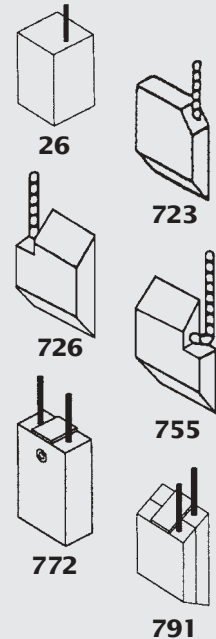
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE3141-AT	455-1108920	723	EG	0.375	1.250	1.500	40/30
RE3141-AY	455-1108922	726	EG	0.375	1.500	1.500	40/30
RE3141-AZ	455-1101215	755	EG	0.750	1.500	1.875	40/30
RE3141-BB	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-BC	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-BD	455-1102209	755	EG	0.625	2.000	2.250	40/30
RE3141-BF	455-1109479	755	EG	0.438	1.500	2.250	40/30
RE3141-BG	455-1109233	755	EG	0.625	1.500	2.250	40/30
RE3141-BH	455-1101212	726	EG	0.500	1.750	2.250	40/30
RE3141-BK	455-1109327	755	EG	0.500	2.000	2.250	40/30
RE3141-BL	455-1108033	772	EG	0.375	0.875	1.500	0/30
RE3141-BM	455-1101210	755	EG	0.375	1.500	1.500	40/30
RE3141-BP	455-1109246	755	EG	0.438	1.500	2.000	40/30
RE3141-BQ	455-1101215	755	EG	0.750	1.500	1.875	40/30
RE3141-BT	455-1109231	755	EG	0.438	0.875	1.875	40/30
RE3141-BU	455-1109231	755	EG	0.438	0.875	1.875	40/30
RE3141-BV	455-1109229	755	EG	0.438	1.125	1.875	40/30
RE3141-BW	455-1109229	755	EG	0.438	1.125	1.875	40/30
RE3141-BX	455-1109232	755	EG	0.500	1.375	1.875	40/30
RE3141-BZ	455-1102219	755	EG	0.375	1.000	1.500	40/30
RE3141-CA	455-1109229	755	EG	0.438	1.125	1.875	40/30
RE3141-CB	455-1109231	755	EG	0.438	0.875	1.875	40/30
RE3141-CC	455-1109232	755	EG	0.500	1.375	1.875	40/30
RE3141-CD	455-1102209	755	EG	0.625	2.000	2.250	40/30
RE3141-CF	450-110177	26	EG	0.375	1.000	1.250	0/0
RE3141-CH	455-1109229	755	EG	0.438	1.125	1.875	40/30
RE3141-CI	455-1109348	755	EG	0.375	1.375	1.500	40/30
RE3141-CJ	455-1109332	755	EG	0.625	1.875	2.250	40/30
RE3141-CK	455-1109336	755	EG	0.750	1.875	2.250	40/30
RE3141-CL	455-1109332	755	EG	0.625	1.875	2.250	40/30
RE3141-CM	455-1109336	755	EG	0.750	1.875	2.250	40/30
RE3141-CN	455-1109223	755	EG	0.625	1.500	2.250	40/30
RE3141-CP	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-CQ	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-CR	455-1109223	755	EG	0.625	1.500	2.250	40/30
RE3141-CT	455-1102209	755	EG	0.625	2.000	2.250	40/30
RE3141-CU	455-1102209	755	EG	0.625	2.000	2.250	40/30
RE3141-CW	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-CX	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-CY	455-1101217	755	EG	0.750	2.000	2.250	40/30
RE3141-CZ	455-1102209	755	EG	0.625	2.000	2.375	40/30
RE3141-FA	455-1101229	791	EG	0.500	1.000	1.750	25/30
RE3141-GA	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-GB	455-1109426	755	EG	0.750	1.500	2.250	40/30
RE3141-GC	455-1109232	755	EG	0.500	1.375	1.875	40/30
RE3141-GD	455-1109343	755	EG	0.625	1.375	1.875	40/30
RE3141-GE	455-1109223	755	EG	0.625	1.500	2.250	40/30
RE3141-GK	455-1109318	755	EG	0.375	1.375	1.500	40/30
RE3141-GL	455-1109318	755	EG	0.375	1.375	1.500	40/30
RE3141-GM	455-1109332	755	EG	0.625	1.875	2.250	40/30



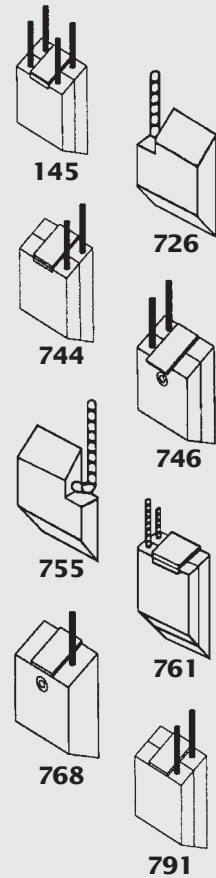
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE3141-GN	455-1109343	755	EG	0.625	1.375	1.875	40/30
RE3141-GP	455-1102219	755	EG	0.375	1.000	1.500	40/30
RE3141-GQ	455-1109129	755	EG	0.375	1.000	1.500	40/30
RE3141-GR	455-1101212	726	EG	0.500	1.750	2.250	40/30
RE3141-GS	455-1109332	755	EG	0.625	1.875	2.250	40/30
RE3141-GT	455-1109336	755	EG	0.750	1.875	2.250	40/30
RE3141-GU	455-1102219	755	EG	0.375	1.000	1.500	40/30
RE3141-GV	455-1109231	755	EG	0.438	0.875	1.875	40/30
RE3141-GW	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-HF	455-1109232	755	EG	0.500	1.375	1.875	40/30
RE3141-I	455-1109244	755	EG	0.438	1.250	1.750	40/30
RE3141-J	455-1102219	755	EG	0.375	1.000	1.500	40/30
RE3141-JB	455-1109334	145	EG	0.625	2.000	2.250	40/30
RE3141-JC	455-1109335	145	EG	0.750	1.875	2.250	40/30
RE3141-K	455-1101216	755	EG	0.750	1.750	2.250	40/30
RE3141-LE	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-LJ	455-1109318	755	EG	0.375	1.375	1.500	40/30
RE3141-LK	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-LM	455-1109333	744	EG	0.625	2.000	2.250	40/30
RE3141-LP	455-1109334	145	EG	0.625	2.000	2.250	40/30
RE3141-LU	455-1101215	755	EG	0.750	1.500	1.875	40/30
RE3141-LV	455-1109318	755	EG	0.375	1.375	1.500	40/30
RE3141-LY	455-1101211	755	EG	0.375	1.500	2.250	40/30
RE3141-LZ	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-MA	455-1109231	755	EG	0.438	0.875	1.875	40/30
RE3141-MC	455-1109326	744	EG	0.500	1.500	2.250	40/30
RE3141-MD	455-1109336	755	EG	0.750	1.875	2.250	40/30
RE3141-MF	455-1109331	761	EG	0.625	1.875	2.250	40/30
RE3141-MJ	455-1103746	761	EG	0.500	1.375	1.875	40/30
RE3141-MM	455-1101211	755	EG	0.375	1.500	2.250	40/30
RE3141-MN	455-1109320	768	EG	0.438	1.000	1.750	40/30
RE3141-MP	455-1109232	755	EG	0.500	1.375	1.875	40/30
RE3141-MU	455-1109229	755	EG	0.438	1.135	1.875	40/30
RE3141-MV	455-1101211	755	EG	0.375	1.500	2.250	40/30
RE3141-MW	455-1103745	761	EG	0.500	1.500	2.250	40/30
RE3141-MX	455-110123	755	EG	0.375	1.000	1.500	20/30
RE3141-MY	455-1109318	755	EG	0.375	1.375	1.500	40/30
RE3141-N	455-110123	755	EG	0.375	1.000	1.500	20/30
RE3141-NA	455-1109619	755	MG	0.375	1.375	1.500	15/30
RE3141-NB	455-1109331	761	EG	0.625	1.875	2.250	40/30
RE3141-NC	455-110123	755	EG	0.375	1.000	1.500	20/30
RE3141-ND	455-1109317	755	EG	0.375	1.375	1.500	20/30
RE3141-NH	455-1109329	746	EG	0.625	1.500	2.250	40/30
RE3141-NM	455-1109329	746	EG	0.625	1.500	2.250	40/30
RE3141-NN	455-1109320	768	EG	0.438	1.000	1.750	20/30
RE3141-NS	455-1109325	768	EG	0.500	1.000	2.000	20/30
RE3141-NU	455-1109339	768	EG	0.500	1.500	2.250	20/30
RE3141-NX	455-1109328	768	EG	0.625	1.250	2.250	20/30
RE3141-NY	455-1109342	768	EG	0.625	1.500	2.000	20/30
RE3141-NZ	455-1101214	768	EG	0.750	1.250	2.250	20/30



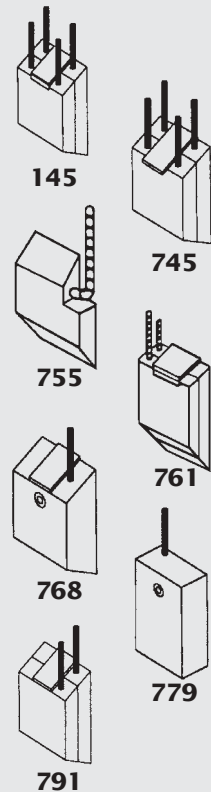
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE3141-P	455-1108859	755	EG	0.500	1.500	1.500	40/30
RE3141-PA	455-1109144	776	EG	0.750	1.500	2.500	20/30
RE3141-PB	455-1101209	745	EG	0.563	1.000	2.000	25/30
RE3141-PD	455-1101218	768	EG	0.875	1.500	2.500	20/30
RE3141-PF	455-1101104	791	EG	0.750	1.500	2.500	20/30
RE3141-PG	455-1101218	768	EG	0.875	1.500	2.500	20/30
RE3141-PH	455-1109341	791	EG	0.875	1.500	2.500	20/30
RE3141-PJ	455-1109342	768	EG	0.625	1.500	2.000	20/30
RE3141-PK	455-110123	755	EG	0.375	1.000	1.500	20/30
RE3141-PL	455-1109325	768	EG	0.500	1.000	2.000	20/30
RE3141-PM	455-1109323	791	EG	0.500	1.000	2.000	20/30
RE3141-PN	455-1109320	768	EG	0.438	1.000	1.750	20/30
RE3141-PP	455-1109425	755	EG	0.500	0.500	1.500	20/30
RE3141-PQ	455-1109340	768	EG	0.500	1.500	2.000	20/30
RE3141-PR	455-110117	145	EG	0.500	1.500	2.000	20/30
RE3141-PU	455-1109328	768	EG	0.625	1.250	2.250	20/30
RE3141-PV	455-1104551	145	EG	0.625	1.250	2.250	20/30
RE3141-PW	455-1109330	791	EG	0.625	1.500	2.250	20/30
RE3141-PY	455-1102074	791	EG	0.750	1.250	2.250	20/30
RE3141-PZ	455-1109489	768	EG	0.750	1.500	2.500	20/30
RE3141-RB	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-RC	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-RD	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-RE	455-1109331	761	EG	0.625	1.875	2.250	40/30
RE3141-RF	455-1109343	755	EG	0.625	1.375	1.875	40/30
RE3141-RH	455-1109334	145	EG	0.625	2.000	2.250	40/30
RE3141-RJ	455-1109334	145	EG	0.625	2.000	2.250	40/30
RE3141-RK	455-1109337	791	EG	0.750	2.000	2.500	40/30
RE3141-RL	455-1108861	755	EG	0.500	1.500	2.250	40/30
RE3141-RM	455-1109343	755	EG	0.625	1.375	1.875	40/30
RE3141-RP	455-1109331	761	EG	0.625	1.875	2.250	40/30
RE3141-RQ	455-1109223	755	EG	0.625	1.500	2.250	40/30
RE3141-RR	455-1109342	768	EG	0.625	1.500	2.000	20/30
RE3141-RS	455-1109340	768	EG	0.500	1.500	2.000	20/30
RE3141-RU	455-1101213	145	EG	0.625	2.000	2.250	40/30
RE3141-RV	455-1101213	145	EG	0.625	2.000	2.250	40/30
RE3141-RW	455-1109320	768	EG	0.438	1.000	1.750	40/30
RE3141-RX	455-1109489	768	EG	0.750	1.500	2.500	20/30
RE3141-RY	455-1109340	768	EG	0.500	1.500	2.000	20/30
RE3141-S	455-1109327	755	EG	0.500	2.000	2.250	40/30
RE3141-SA	455-1109323	791	EG	0.500	1.000	2.000	20/30
RE3141-SB	455-1109340	768	EG	0.500	1.500	2.000	20/30
RE3141-T	455-1109479	755	EG	0.438	1.500	2.250	40/30
RE3141-TA	455-1103706	145	EG	0.875	1.500	2.500	20/30
RE3141-TL	455-1105142	145	EG	0.500	1.000	1.500	15/30
RE3141-TQ	455-1109322	791	EG	0.438	1.000	1.750	20/30
RE3141-U	455-1102209	755	EG	0.625	2.000	2.250	40/30
RE3141-UL	455-1109491	145	EG	0.500	1.000	2.000	20/30
RE3141-UZ	455-1101104	791	EG	0.750	1.500	2.500	20/30
RE3141-V	455-1101216	755	EG	0.750	1.750	2.250	40/30



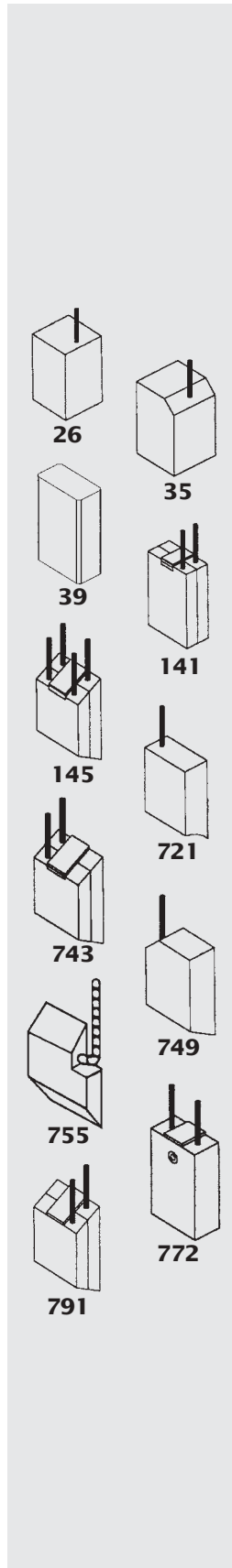
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE3141-VE	455-1104026	145	EG	0.625	1.500	2.000	20/30
RE3141-VL	455-1101237	145	EG	0.750	1.750	2.500	20/30
RE3141-VM	455-1103642	145	EG	0.875	1.750	2.500	20/30
RE3141-VZ	455-1101104	791	EG	0.750	1.500	2.500	20/30
RE3141-WB	455-1101232	145	EG	0.625	1.625	2.250	20/30
RE3141-WL	455-110433	145	EG	0.875	1.625	2.500	20/30
RE3141-WM	455-110121	145	EG	0.750	1.625	2.500	20/30
RE3141-WN	455-1101231	145	EG	0.500	1.625	2.375	15/30
RE3141-WP	455-1101232	145	EG	0.625	1.625	2.250	20/30
RE3141-WR	455-1103738	145	EG	0.938	1.625	2.750	25/30
RE3141-WS	455-1103937	145	EG	0.750	1.625	2.625	20/30
RE3141WX	455-1106040	145	EG	0.688	1.625	2.500	20/30
RE3141-WY	455-110433	145	EG	0.875	1.625	2.500	25/30
RE3141-XB	455-110121	145	EG	0.750	1.625	2.500	20/30
RE3141-XG	455-1106040	145	EG	0.688	1.625	2.500	20/30
RE3141-XY	455-110433	145	EG	0.875	1.625	2.500	25/30
RE3141-Y	455-1109487	755	EG	0.375	1.000	1.125	40/30
RE3141-YN	455-110121	145	EG	0.750	1.625	2.500	20/30
RE3306-BB	455-1109230	749	EG	0.438	0.750	1.250	0/30
RE3306-BH	455-1109230	749	EG	0.438	0.750	1.250	0/30
RE3306-D	455-1109474	721	EG	0.438	1.250	1.500	0/30
RE3306-DA	455-1102140	35	EG	0.375	0.750	1.250	0/0
RE3306-DD	455-1109309	749	EG	0.375	0.375	1.250	0/30
RE3306-DE	455-1109230	749	EG	0.438	0.750	1.250	0/30
RE3306-DG	455-1103644	749	RG	0.375	0.375	1.250	0/30
RE3306-DH	455-1109424	141	EG	0.438	0.750	1.375	0/30
RE3306-DM	455-1109424	141	EG	0.438	0.750	1.375	0/30
RE3306-DN	455-1103644	749	RG	0.375	0.375	1.250	0/30
RE3306-DO	455-1109309	749	EG	0.375	0.375	1.250	0/30
RE3306-DP	455-1107934	772	EG	0.375	1.000	1.250	0/0
RE3306-E	455-1109423	26	EG	0.375	1.000	1.500	0/0
RE3306-EN	455-1108002	772	EG	0.625	1.625	1.500	0/0
RE3306-K	455-1109422	39	EG	0.250	0.375	1.000	0/0
RE3306-VN	455-1103644	749	RG	0.375	0.375	1.250	0/30
RE3360-E	455-1106905	39	EG	0.250	0.500	1.250	0/10
RE404844-AN	455-1103680	755	EG	0.394	1.260	1.375	30/15
RE404844-AP	455-1104659	755	EG	0.375	1.250	1.500	20/30
RE404844-AT	455-1101096	145	EG	0.375	1.250	1.500	20/30
RE404844-AU	450-110116	791	EG	0.375	0.750	1.500	20/30
RE404844-AW	455-1109488	145	EG	0.500	1.375	1.500	25/30
RE404844-BD	455-1101096	145	EG	0.375	1.250	1.500	20/30
RE404844-BE	450-110109	145	EG	0.500	1.250	1.500	25/30
RE404844-BG	455-1104101	145	RG	0.375	1.250	1.500	20/30
RE404844-BS	455-1101096	145	EG	0.375	1.250	1.500	20/30
RE404844-CC	450-110116	791	EG	0.375	0.750	1.500	20/30
RE404844-CF	450-110109	145	EG	0.500	1.250	1.500	25/30
RE404844-CG	455-1101236	743	MG	0.625	1.375	1.875	20/30
RE404844-CL	450-110116	791	EG	0.375	0.750	1.500	20/30
RE404844-CW	455-1101096	145	EG	0.375	1.250	1.500	20/30
RE404844-CZ	455-1103711	141	EG	0.375	0.750	1.500	0/0



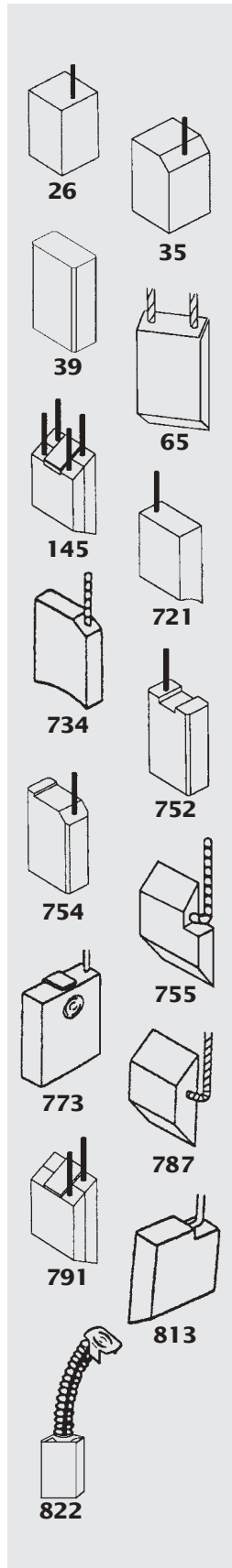
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE404844-DA	455-1101096	145	EG	0.375	1.250	1.500	20/30
RE404844-DB	455-1109482	745	EG	0.375	1.250	1.500	25/30
RE404844-DC	455-1101222	791	2 GRADE	0.375	0.750	1.500	20/30
RE404844-DL	455-1101234	145	EG	0.625	1.250	2.000	20/30
RE404844-DM	455-1101234	145	EG	0.625	1.250	2.000	20/30
RE404844-ED	455-1101233	145	EG	0.500	1.500	2.000	20/30
RE404844-EH	450-110109	145	EG	0.500	1.250	1.500	25/30
RE404844-EL	455-1109492	145	EG	0.375	1.000	1.500	30/30
RE404844-EM	455-1109492	145	EG	0.375	1.000	1.500	30/30
RE404844-EX	455-1109781	145	RG	0.375	1.000	1.500	25/30
RE404844-F	455-110115	145	EG	0.438	0.875	1.500	20/30
RE404844-FA	450-110109	145	EG	0.500	1.250	1.500	25/30
RE404844-FC	455-1104983	65	EG	0.625	1.500	1.875	20/30
RE404844-FD	450-110116	791	EG	0.375	0.750	1.500	20/30
RE404844-FN	455-1103636	145	EG	0.500	1.500	2.250	15/20
RE404844-S	455-1109486	145	RG	0.438	0.875	1.500	20/30
RE404844-U	455-110115	145	EG	0.438	0.875	1.500	20/30
RE404844-V	455-1109486	145	RG	0.438	0.875	1.500	20/30
RE411573-11B	455-1104782	787	RG	0.375	0.750	1.500	30/20
RE411573-18A	455-1109495	813	EG	0.394	0.630	1.260	0/0
RE411573-18C	455-1102105	26	RG	0.375	0.625	1.250	0/0
RE411583-19BAU	455-1103613	754	EG	0.394	0.630	1.250	0/0
RE411609-21A	455-1104486	39	EG	0.375	0.625	1.125	0/0
RE411609-21B	455-1103656	39	RG	0.375	0.625	0.750	0/0
RE411683-005AAH	455-1103619	787	EG	0.375	0.750	1.750	30/30
RE411683-03C	455-1103656	39	RG	0.375	0.625	0.750	0/0
RE411683-10A	455-1109496	787	EG	0.313	0.750	1.500	30/30
RE411683-10C	455-1109496	787	EG	0.313	0.750	1.500	30/30
RE411683-10CAA	455-1109496	787	EG	0.313	0.750	1.500	30/30
RE411683-10CW	455-1109496	787	EG	0.313	0.750	1.500	30/30
RE411683-11B	455-1104782	787	RG	0.375	0.750	1.500	30/20
RE411683-18A	455-1109495	813	EG	0.394	0.630	1.260	0/0
RE411683-18C	455-1102105	26	RG	0.375	0.625	1.250	0/0
RE411683-19BAU	455-1103613	754	EG	0.394	0.630	1.250	0/0
RE411683-22A	455-1104651	752	EG	0.375	1.000	1.000	0/0
RE411683-30A	455-1109497	39	EG	0.313	0.469	1.000	0/0
RE411683-30AAH	455-1109497	39	EG	0.313	0.469	1.000	0/0
RE413330-12AQ	450-213473	822	RG	0.125	0.188	0.438	0/0
RE413330-13D	455-1103174	822	EG	0.250	0.375	1.000	0/0
RE413330-13E	455-1107553	822	EG	0.125	0.250	0.625	0/0
RE416912-A	455-1109483	721	EG	0.375	0.875	1.312	0/20
RE416956-4CU	455-1106715	39	EG	0.250	0.625	1.375	0/0
RE416956-6RT	455-1101228	791	EG	0.375	1.000	1.250	10/20 REV
RE416956-6W	455-1101220	65	EG	0.375	1.000	2.000	40/17
RE416956-8AHC	455-1109315	755	EG	0.500	1.375	2.000	40/40
RE416956-8AP	455-1107008	35	EG	0.500	1.000	1.750	0/0
RE416956-10YR	455-1102011	791	EG	0.625	1.250	2.250	20/30
RE416956-24AC	455-1101223	773	EG	1.500	1.000	2.500	0/0
RE416956-D	455-1105430	734	RG	1.750	0.500	2.250	0/0
RE416956-H	455-1109485	35	EG	0.313	0.500	0.750	0/0



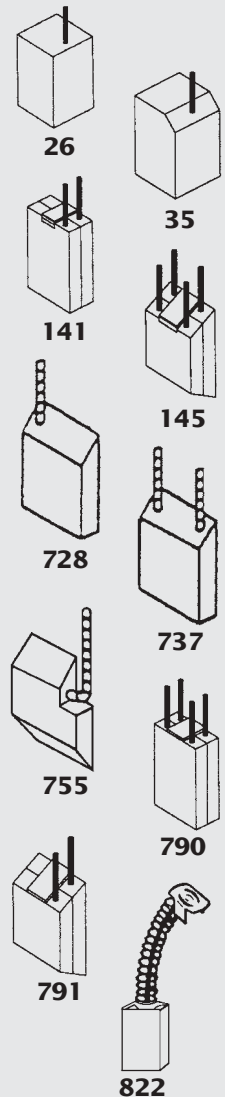
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RELIANCE

Part Number Cross Reference

Part No.	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
RE416956-RT	455-1101228	791	EG	0.375	1.000	1.250	10/20 REV
RE418053-1A	455-1102024	728	EG	0.375	0.750	1.250	15/0
RE419901-1CF	450-110177	26	EG	0.375	1.000	1.250	0/0
RE419904-10BX	455-1105451	26	EG	0.375	1.000	1.250	0/0
RE419904-10CF	450-110177	26	EG	0.375	1.000	1.250	0/0
RE419904-10F	455-1104674	141	RG	0.375	0.750	1.250	0/0
RE419904-11A	455-1103711	141	EG	0.375	0.750	1.500	0/0
RE419904-11AS	455-1105483	26	EG	0.500	1.250	1.500	0/0
RE419904-11AV	455-1104630	26	EG	0.625	1.625	1.500	0/0
RE419904-11B	455-1105483	26	EG	0.500	1.250	1.500	0/0
RE419904-18X	455-1103962	755	EG	0.500	1.375	2.750	35/30
RE419904-1A	455-1103711	141	EG	0.375	0.750	1.500	0/0
RE419904-1AD	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-1AN	455-113874	141	EG	0.375	0.750	1.250	0/0
RE419904-1AP	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-1AR	455-1104484	790	EG	0.375	1.250	1.250	0/0
RE419904-1AS	455-1102190	790	EG	0.500	1.250	1.250	0/0
RE419904-1AT	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-1B	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-1BC	455-1104484	790	EG	0.375	1.250	1.250	0/0
RE419904-1BR	455-1109493	26	EG	0.375	1.250	1.500	0/0
RE419904-1BV	455-1102140	35	EG	0.375	0.750	1.250	0/0
RE419904-1BX	450-110177	26	EG	0.375	1.000	1.250	0/0
RE419904-1BY	455-1109256	26	EG	0.375	0.750	1.250	0/0
RE419904-1C	455-1105941	145	EG	0.375	1.250	2.500	20/30
RE419904-1CL	455-1103936	26	EG	0.500	1.500	1.500	0/0
RE419904-1F	455-1103641	141	RG	0.375	0.750	1.250	0/0
RE419904-1G	455-1101226	737	EG	0.492	1.260	1.970	20/0
RE419904-1G	455-1103815	790	RG	0.375	1.000	1.250	0/0
RE419904-1H	455-1103873	790	RG	0.375	1.250	1.250	0/0
RE419904-30A	455-1101219	822	EG	0.394	0.630	1.260	0/0
RE419904-4AJ	450-110188	26	EG	0.500	1.500	1.602	0/0
RE419904-4AS	455-1102097	26	EG	0.500	1.250	1.500	0/0
RE419904-4AS	455-1102097	26	EG	0.500	1.250	1.500	0/0
RE419904-4AT	455-1104835	26	EG	0.625	1.250	1.500	0/0
RE419904-4AV	455-1109494	26	EG	0.625	1.625	1.500	0/0
RE419904-4C	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-4E	455-1104099	790	EG	0.625	1.250	1.750	0/0
RE419904-4F	455-1103820	790	EG	0.625	1.625	1.750	0/0
RE419904-4L	455-1104192	790	EG	0.625	1.250	2.000	0/0
RE419904-4P	455-1101221	790	EG	0.500	1.500	1.500	0/0
RE419904-4R	455-1101097	790	EG	0.500	1.250	1.500	0/0
RE419904-4T	455-1101230	26	EG	0.625	0.375	1.750	0/0
RE419904-50A	455-1104747	728	EG	0.394	0.787	1.000	15/0
RE419904-51A	455-1103749	35	EG	0.394	0.787	1.260	0/0
RE419904-51AB	455-1104181	141	EG	0.394	0.787	1.322	0/0
RE419904-51AC	455-1104694	790	EG	0.394	1.260	1.260	0/0
RE419904-51AD	455-1102192	790	EG	0.394	0.984	1.250	0/0
RE419904-51AF	455-1101240	790	EG	0.512	1.260	1.221	0/0
RE419904-51AO	455-1101239	790	EG	0.394	0.984	1.260	0/0



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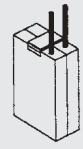
RELIANCE

Part Number Cross Reference

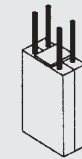
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RE419904-51AS	455-1101238	790	EG	0.394	1.024	1.221	0/0
RE419904-51B	455-1104744	26	EG	0.394	0.984	1.260	0/0
RE419904-51C	455-1103934	26	EG	0.394	1.260	1.260	0/0
RE419904-51E	455-1103750	141	RG	0.394	0.787	1.322	0/0
RE419904-51F	455-1102192	790	EG	0.394	0.984	1.250	0/0
RE419904-51G	455-1102099	790	RG	0.394	1.260	1.260	0/0
RE419904-51M	455-1101226	790	EG	0.394	1.260	1.375	0/0
RE419904-52A	455-1104781	26	EG	0.394	0.984	1.500	0/0
RE419904-52AA	455-1104484	141	EG	0.630	0.984	1.563	0/0
RE419904-52AB	455-1104072	790	EG	0.630	1.575	1.625	0/0
RE419904-52AF	455-1104099	790	EG	0.625	1.250	1.500	0/0
RE419904-52AJ	455-1105285	790	EG	0.492	1.570	1.630	0/0
RE419904-52AL	455-1104780	141	EG	0.394	0.984	1.563	0/0
RE419904-52B	455-1104365	26	EG	0.492	1.260	1.500	0/0
RE419904-52C	455-1105285	790	EG	0.492	1.570	1.630	0/0
RE419904-52F	455-1104072	790	EG	0.630	1.575	1.625	0/0
RE419904-52M	455-1104780	141	EG	0.394	0.984	1.563	0/0
RE419904-52T	455-1104072	790	EG	0.630	1.575	1.625	0/0
RE419904-52Z	455-1109767	790	EG	0.492	1.260	1.570	0/0
RE419904-61C	455-1105391	790	EG	0.394	1.260	1.378	0/0
RE419904-AE	455-1103611	790	EG	0.625	1.625	1.500	0/0
RE419904-AP	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-AR	455-110s484	790	EG	0.375	1.250	1.250	0/0
RE419904-B	455-1102208	790	EG	0.375	1.000	1.250	0/0
RE419904-BX	450-110177	26	EG	0.375	1.000	1.250	0/0



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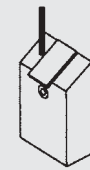


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BALDOR

Motor Cross Reference

Model	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
AP1001	1/50	450-213482	822	EG	0.250	0.250	0.750	0/0
AP2001	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
AP3001	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
AP3021	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
AP7401	1/8	450-213482	822	EG	0.250	0.250	0.750	0/0
AP7402	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
AP7421	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
AP7422	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
CD3425	1/4	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3426	1/4	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3433	1/3	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3434	1/3	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3450	1/2	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3451	1/2	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3475	1/2	450-213577	822	EG	0.313	0.438	0.938	0/0
CD3476	3/4	450-213577	822	EG	0.313	0.438	0.938	0/0
CD5318	1	450-110512	822	EG	0.375	0.750	1.125	0/0
CD5319	1	450-110512	822	EG	0.375	0.750	1.125	0/0
CD5333	1/3	450-110512	822	EG	0.375	0.750	1.125	0/0
CD5350	1/2	450-110512	822	EG	0.375	0.750	1.125	0/0
CD5375	3/4	450-110512	822	RG	0.375	0.750	1.125	0/0
CD6202	2	455-1108201	729	EG	0.313	0.625	1.250	30/0



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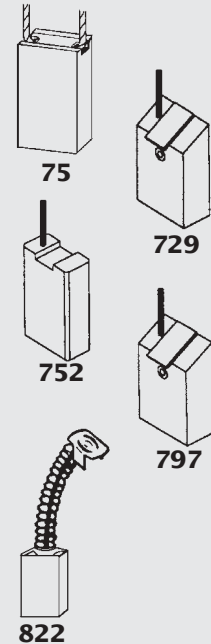
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BALDOR

Motor Cross Reference

Model	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
CD6203	3	450-110299	752	EG	0.394	0.876	1.500	0/20
CD6215	1 1/2	450-110299	752	EG	0.394	0.876	1.500	0/20
CD6218	1	450-110299	752	RG	0.394	0.876	1.500	0/20
CD6219	1	455-1108201	729	EG	0.313	0.625	1.250	30/0
CD7502	2	450-110556	797	EG	0.313	0.750	1.250	30/0
CD7503	3	450-110556	797	EG	0.313	0.750	1.250	30/0
CD7505	5	450-110556	797	EG	0.313	0.750	1.250	30/0
CD9105	5	450-110556	797	EG	0.313	0.750	1.250	30/0
CD9110	10	450-110556	797	EG	0.313	0.750	1.250	30/0
CD9175	7 1/2	450-110556	797	RG	0.313	0.750	1.250	30/0
CDP3310	1/4	450-213485	822	RG	0.221	0.647	1.000	30/0
CDP3310	1/4	450-213485	822	EG	0.221	0.647	1.000	30/0
CDP3316	1/3	450-213570	822	EG	0.313	0.625	0.955	0/0
CDP3326	1/2	450-213570	822	RG	0.313	0.625	0.955	0/0
CDP3330	1/2	450-213485	822	EG	0.221	0.647	1.000	30/0
CDP3335	1/2	450-110299	752	RG	0.394	0.876	1.500	0/20
CDP3411		450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3416		450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3426		450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3436	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3440	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3443	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3445	1	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3450	1	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3455	1	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3460	1	450-213573	822	RG	0.313	0.625	0.955	0/0
CDP3575	1 1/2	450-110298	822	RG	0.375	0.750	1.250	0/0
CDP3580	1 1/2	450-110298	822	RG	0.375	0.750	1.250	0/0
CDP3585	2	450-110298	822	RG	0.375	0.750	1.250	0/0
CDP3590	2	450-110298	822	RG	0.375	0.750	1.250	0/0
CDP3603	3	450-110302	75	EG	0.433	1.260	1.400	0/0
CDP3605	5	455-1108221	75	EG	0.433	1.844	1.400	0/20
CDX1850	1/2	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX1875	3/4	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX2001	1	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX7050	1/2	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX7075	3/4	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX7100	1	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX7150	1 1/2	450-110299	752	EG	0.394	0.876	1.500	0/20
CDX7200	2	450-110299	752	EG	0.394	0.876	1.500	30/0
CDX7511	2	455-1108206	797	RG	0.313	0.750	1.250	30/0
CDX7512	2	455-1108206	797	RG	0.313	0.750	1.250	30/0
CDX7513	3	455-1108206	797	RG	0.313	0.750	1.250	30/0
D1010		455-1108206	797	RG	0.313	0.750	1.250	30/0
D1015		455-1108206	797	RG	0.313	0.750	1.250	30/0
D1016		455-1108206	797	RG	0.313	0.750	1.250	30/0
D1151	1/3	450-213577	822	EG	0.313	0.438	0.938	0/0
D1152	1/2	450-213577	822	EG	0.313	0.438	0.938	0/0
D1153	1	450-213577	822	EG	0.313	0.438	0.938	0/0
D1154	1	450-110512	822	EG	0.375	0.750	1.250	0/0
D2301	1/3	450-110512	822	EG	0.375	0.750	1.250	0/0
D2302	1/2	450-110512	822	EG	0.375	0.750	1.250	0/0
D2303	3/4	450-213577	822	EG	0.313	0.438	0.938	0/0
D2304	1	450-110512	822	EG	0.375	0.750	1.250	0/0
D2305	1 1/2	450-110299	752	EG	0.394	0.876	1.500	0/20
D3516		455-1102162	729	MG	0.313	0.625	1.250	30/0
D35822		455-1102162	729	MG	0.313	0.625	1.250	30/0



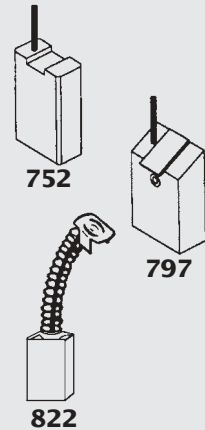
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BALDOR

Motor Cross Reference

Model	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
D9176		455-1108215	797	RG	0.375	0.876	1.250	30/0
DX7150		450-110299	752	EG	0.394	0.876	1.500	0/20
DX7200		450-110299	752	EG	0.394	0.876	1.500	0/20
DX7511		450-110556	797	EG	0.313	0.750	1.250	30/0
DX7512		450-110556	797	EG	0.313	0.750	1.250	30/0
DX7513		450-110556	797	EG	0.313	0.750	1.250	30/0
GP1001	1/30	450-213482	822	EG	0.250	0.250	0.750	0/0
GP1002	1/30	450-213482	822	EG	0.250	0.250	0.750	0/0
GP1003	1/30	450-213482	822	EG	0.250	0.250	0.750	0/0
GP1004	1/50	450-213482	822	EG	0.250	0.250	0.750	0/0
GP1005	1/30	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2001	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2002	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2003	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2004	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2005	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2006	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2007	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2008	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP2009	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3001	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3002	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3003	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3004	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3005	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3006	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3007	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3020	1/25	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3021	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3022	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3023	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3024	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3025	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3026	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3027	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP30822	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP3029	1/15	450-213482	822	EG	0.250	0.250	0.750	0/0
GP7304	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7400	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7401	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7402	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7403	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7404	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7405	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7406	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7407	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7408	1/5	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7409	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7420	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7421	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7422	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7423	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7424	1/8	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7425	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7426	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP7427	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GP74822	1/5	450-213481	822	EG	0.250	0.375	0.750	0/0



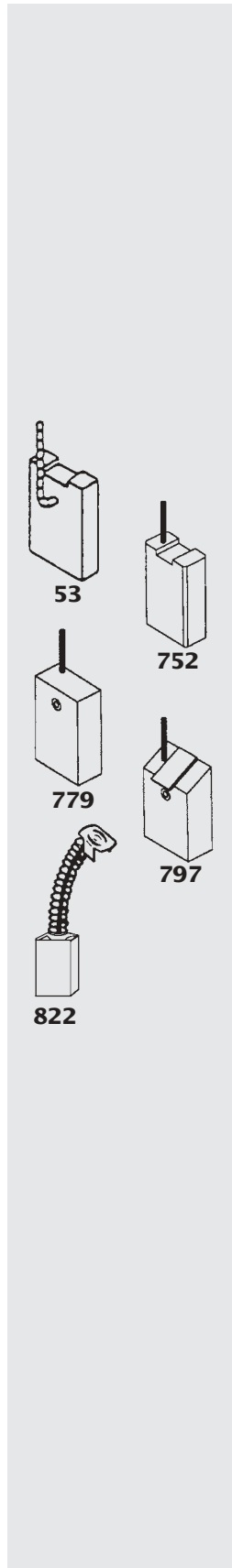
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BALDOR

Motor Cross Reference

Model	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
GP7429		450-213481	822	EG	0.250	0.375	0.750	0/0
GPP1008		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP1009		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP1010		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP2010		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP2011		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP3020		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP3021		450-213482	822	EG	0.250	0.375	0.750	0/0
GPP7450	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7451	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7452	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7453	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7454	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7455	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7456	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7457	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7458	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7459	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7460	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7461	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7462	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7473	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7476	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
GPP7479	1/4	450-213481	822	EG	0.250	0.375	0.750	0/0
P3410		455-1108223	822	MG	0.313	0.625	0.940	0/0
P3413		455-1108223	822	MG	0.313	0.625	0.940	0/0
P3420		455-1108223	822	MG	0.313	0.625	0.940	0/0
R1403	3	455-1108214	779	RG	0.188	0.750	1.125	0/0
R1416	7 1/2	455-1101115	779	EG	0.313	0.875	1.250	0/0
R1417		455-1101115	53	EG	0.313	0.875	1.250	0/0
R1423	2	455-1108213	779	RG	0.250	0.500	0.875	0/0
R1424	10	455-1101115	779	EG	0.313	0.875	1.250	0/0
R1425	5	455-1108214	779	RG	0.188	0.750	1.125	0/0
R14822	7 1/2	455-1101115	779	EG	0.313	0.875	1.250	0/0
R1429	10	455-1101115	779	EG	0.313	0.875	1.250	0/0
VD3426D		450-213577	822	EG	0.313	0.438	0.938	0/0
VD3434D		450-213577	822	EG	0.313	0.438	0.938	0/0
VD3451D		450-213577	822	EG	0.313	0.438	0.938	0/0
VD3476D		450-213577	822	EG	0.313	0.438	0.938	0/0
VD5318D		455-1108216	797	EG	0.375	0.875	1.250	30/0
VD6202D		450-110299	752	EG	0.394	0.876	1.500	0/20
VD6215D		450-110299	752	EG	0.394	0.876	1.500	0/20
VD7503D		455-1108206	797	RG	0.313	0.750	1.250	30/0
VP3411-14	1/4	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3411D	1/4	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3416-14	1/3	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3416D		450-213573	822	RG	0.313	0.625	0.955	0/0
VP3418D	1/3	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3426-14	1/2	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3426D	1/2	450-213573	822	RG	0.313	0.625	0.955	0/0
VP34822D	1/2	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3436-14	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3436D	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3439D	3/4	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3455-14	1	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3455D	1	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3458D	1	450-213573	822	RG	0.313	0.625	0.955	0/0



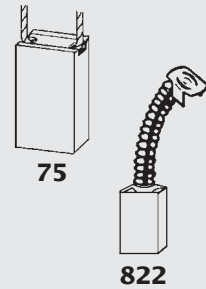
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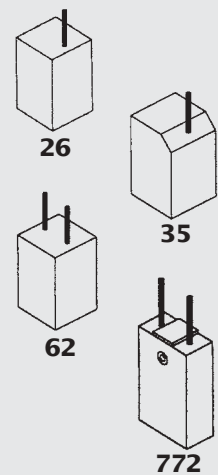
Motor Cross Reference

Model	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
VP3468D	1 1/2	450-213573	822	RG	0.313	0.625	0.955	0/0
VP3575-14	1 1/2	450-110298	822	RG	0.375	0.750	1.250	0/0
VP3585-14	2	450-110298	822	RG	0.375	0.750	1.250	0/0
VP3585D	2	450-110298	822	RG	0.375	0.750	1.250	0/0
VP3588D	2	450-110298	822	RG	0.375	0.750	1.250	0/0
VP3603D	3	450-110302	75	EG	0.433	1.260	1.400	0/0
VP3605D	5	455-1108221	75	EG	0.433	1.844	1.400	0/0



WESTINGHOUSE

Frame	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
12A	AISE-47	455-1108173	62	EG	1.000	2.375	2.750	0/0
38B	AISE-36	455-1108163	772	EG	0.750	3.000	3.000	0/0
47	AISE-36	455-1108163	772	EG	0.750	3.000	3.000	0/0
47A	AISE-36	455-1108163	772	EG	0.750	3.000	3.000	0/0
47J	AISE-36	455-1108163	772	EG	0.750	3.000	3.000	0/0
48	AISE-47	455-1108173	62	EG	1.000	2.375	2.750	0/0
48A	AISE-47	455-1108173	62	EG	1.000	2.375	2.750	0/0
48E	AISE-47	455-1108173	62	EG	1.000	2.375	2.750	0/0
56A	AISE-31	455-1102210	62	EG	0.750	1.750	2.750	0/0
162	AISE-34	455-1108161	772	EG	0.750	2.250	2.500	0/0
165	AISE-49	455-1108175	62	EG	1.000	1.250	2.500	0/0
K1	AISE-1	455-1102068	26	EG	0.250	1.250	1.500	0/0
K2	AISE-5	455-1102059	35	EG	0.375	1.250	1.750	0/0
K3	AISE-15	455-1108156	35	EG	0.500	1.500	2.000	0/0
K4	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0
K5	AISE-25	455-1101126	62	EG	0.625	1.750	2.250	0/0
K6	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
K6	AISE-7	455-1108150	35	EG	0.375	2.000	2.000	0/0
K7	AISE-45	455-1108172	62	EG	1.000	2.000	2.250	0/0
K8	AISE-46	455-1102056	62	EG	1.000	2.250	2.250	0/0
K9	AISE-46	455-1102056	62	EG	1.000	2.250	2.250	0/0
K10	AISE-43	455-1108170	62	EG	1.000	1.750	2.750	0/0
MC2	AISE-5	455-1102059	35	EG	0.375	1.250	1.750	0/0
MC3	AISE-6	455-1108149	35	EG	0.375	1.750	2.000	0/0
MC4	AISE-6	455-1108149	35	EG	0.375	1.750	2.000	0/0
MC6	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
MC8	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0
MC10	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
MC12	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MC14	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC16	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC18	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC20	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
MC30	AISE-18	455-1108157	62	EG	0.500	1.750	2.250	0/0
MC31	AISE-6	455-1108149	35	EG	0.375	1.750	2.000	0/0
MC40	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
MC41	AISE-6	455-1108149	35	EG	0.375	1.750	2.000	0/0
MC50	AISE-25	455-1101126	62	EG	0.625	1.750	2.250	0/0
MC60	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MC61	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
MC70	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC80	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC81	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0
MC90	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC100	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC101	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MC103	AISE-44	455-1108171	62	EG	1.000	2.000	2.500	0/0



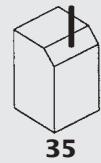
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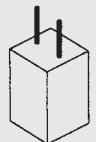
WESTINGHOUSE

Motor Cross Reference

Frame	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
MC121	AISE-5	455-1102059	35	EG	0.375	1.250	1.750	0/0
MC121	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MC141	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC161	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC181	AISE-32	455-1101127	62	EG	0.750	2.000	2.500	0/0
MC602	AISE-4	455-1101099	35	EG	0.375	1.000	1.750	0/0
MC603	AISE-5	455-1102059	35	EG	0.375	1.250	1.750	0/0
MC604	AISE-11	455-1101123	35	EG	0.500	1.000	2.000	0/0
MC606	AISE-20	455-1101110	35	EG	0.625	1.250	2.500	0/0
MC608	AISE-25	455-1101126	62	EG	0.625	1.750	2.250	0/0
MC610	AISE-33	455-1101119	790	EG	0.750	2.000	2.500	0/0
MC612	AISE-822	455-1101103	790	EG	0.750	1.500	2.250	0/0
MC614	AISE-822	455-1101103	790	EG	0.750	1.500	2.250	0/0
MC616	AISE-17	455-1101109	35	EG	0.500	1.500	2.500	0/0
MC618	AISE-17	455-1101109	35	EG	0.500	1.500	2.500	0/0
MC620	AISE-17	455-1101109	35	EG	0.500	1.500	2.500	0/0
MC802		455-1107012	115	EG	0.375	1.000	1.500	0/0
MC803		455-1102161	140	EG	0.500	1.000	1.500	0/0
MC804		455-1102147	140	EG	0.625	1.000	1.500	0/0
MC806		455-1109407	719	EG	0.625	1.500	1.500	0/0
MC808		455-1109415	719	EG	1.000	1.500	1.750	0/0
MC810		455-1101101	719	EG	0.750	1.500	1.750	0/0
MC812		455-1109415	719	EG	1.000	1.500	1.750	0/0
MC814		455-1109415	719	EG	1.000	1.500	1.750	0/0
MC816		455-1109415	719	EG	1.000	1.500	1.750	0/0
MC818		455-1109417	719	EG	1.250	1.500	1.750	0/0
MC820		455-1109417	719	EG	1.250	1.500	1.750	0/0
MT1	AISE-42	455-1108169	62	EG	1.000	1.500	2.500	0/0
MT2	AISE-42	455-1108169	62	EG	1.000	1.500	2.500	0/0
MT3	AISE-43	455-1108170	62	EG	1.000	1.750	2.750	0/0
MT4	AISE-44	455-1108171	62	EG	1.000	2.000	2.500	0/0
MT5	AISE-43	455-1108170	62	EG	1.000	1.750	2.750	0/0
MT6	AISE-44	455-1108171	62	EG	1.000	2.000	2.500	0/0
MT00	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MT000	AISE-16	455-1102025	62	EG	0.500	1.500	2.250	0/0
WT0	AISE-29	455-1102144	62	EG	0.750	1.500	2.500	0/0
MD101	AISE-8	455-1108151	35	EG	0.438	0.750	1.750	0/0
MD102	AISE-4	455-1102204	35	EG	0.375	1.000	1.750	0/0
MD104	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0
MD104.5	AISE-27	455-1108160	35	EG	0.750	1.125	1.750	0/0



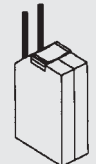
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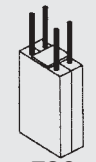
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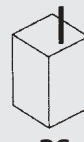
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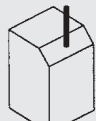
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GE

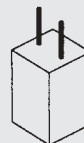
Frame	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
MD105	AISE-20	455-1101110	35	EG	0.625	1.250	2.500	0/0
MD106	AISE-37	455-1108164	62	EG	0.875	1.250	2.250	0/0
MD107	AISE-41	455-1108168	35	EG	1.000	1.250	2.000	0/0
MD108	AISE-41	455-1108168	35	EG	1.000	1.250	2.000	0/0
MD109	AISE-41	455-1108168	35	EG	1.000	1.250	2.000	0/0
MD109.5	AISE-41	455-1108168	35	EG	1.000	1.250	2.000	0/0
MD110	AISE-48	455-1108174	62	EG	1.125	1.250	2.250	0/0
MD402	AISE-2	455-1108147	26	EG	0.375	0.750	2.000	0/0
MD403	AISE-9	455-1102054	35	EG	0.500	0.750	2.000	0/0
MD404	AISE-11	455-1101123	35	EG	0.500	1.000	2.000	0/0
MD406	AISE-11	455-1101123	35	EG	0.500	1.000	2.000	0/0
MD408	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0
MD410	AISE-24	455-1102061	790	EG	0.625	1.750	2.250	0/0
MD412	AISE-21	455-1101111	62	EG	0.625	1.500	2.250	0/0



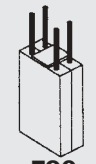
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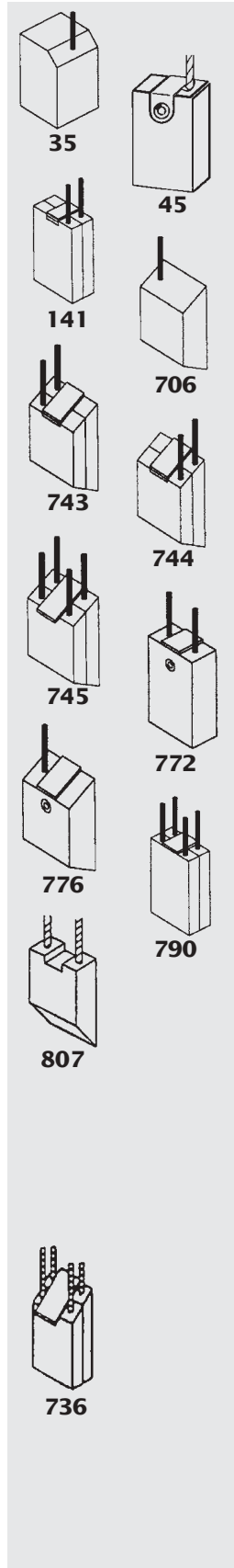
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GE

Motor Cross Reference

Frame	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
MD414	AISE-30	455-1101182	790	EG	0.750	1.750	2.250	0/0
MD416	AISE-22	455-1101098	790	EG	0.625	1.500	2.250	0/0
MD418	AISE-822		790	EG	0.750	1.500	2.250	0/0
MD420	AISE-39		772	EG	0.875	2.000	2.500	0/0
MD420.5	AISE-39		772	EG	0.875	2.000	2.500	0/0
MD421	AISE-33		790	EG	0.750	2.000	2.500	0/0
MD422	AISE-33		790	EG	0.750	2.000	2.500	0/0
MD423	AISE-33		790	EG	0.750	2.000	2.500	0/0
MD602	AISE-9		35	EG	0.500	0.750	2.000	0/0
MD603	AISE-9		35	EG	0.500	0.750	2.000	0/0
MD604	AISE-11		35	EG	0.500	1.000	2.000	0/0
MD606	AISE-19		141	EG	0.625	1.250	2.250	0/0
MD608	AISE-24		790	EG	0.625	1.750	2.250	0/0
MD610	AISE-22		790	EG	0.625	1.500	2.250	0/0
MD612	AISE-30		790	EG	0.750	1.750	2.250	0/0
MD614	AISE-22		790	EG	0.625	1.500	2.250	0/0
MD616	AISE-30		790	EG	0.750	1.750	2.250	0/0
MD618	AISE-33		790	EG	0.750	2.000	2.500	0/0
MD620			743	EG	0.750	1.500	2.750	30/20
MD622			743	EG	0.750	1.500	2.750	30/20
MD624			743	EG	1.000	1.500	2.750	30/20
MD802			706	EG	0.375	1.000	2.000	30/17
MD803			776	EG	0.500	1.000	2.125	30/25
MD804			745	EG	0.625	1.250	2.125	30/20
MD806			744	EG	0.750	1.250	2.500	30/25
MD808			744	EG	0.750	1.250	2.500	30/25
MD810			743	EG	0.750	1.500	3.250	30/20
MD812			743	EG	0.875	1.500	3.250	30/20
MD814			743	EG	0.875	1.500	3.250	30/20
MD816			743	EG	0.875	1.500	3.250	30/20
MD818			743	EG	1.000	1.500	3.250	30/20
MD820			743	EG	1.000	1.500	3.250	30/20
MD824			807	EG	0.625	1.500	2.750	0/15
MD8822			743	EG	0.875	1.500	3.250	30/20
MD449			45	EG	0.500	0.750	2.000	0/0



Frame	Horsepower	Schunk No.	Style	Grade	Thickness	Width	Length	Bevels
MD602	CONSTANT PRESSURE	455-1108031	736	EG	0.500	0.750	2.000	40/0
MD603	CONSTANT PRESSURE	455-1108031	736	EG	0.500	0.750	2.000	40/0
MD606	CONSTANT PRESSURE	455-1108022	736	EG	0.625	1.250	2.750	40/0
MD608	CONSTANT PRESSURE	455-1108023	736	EG	0.625	1.750	2.750	40/0
MD610	CONSTANT PRESSURE	455-1102142	736	EG	0.625	1.500	2.750	40/0
MD612	CONSTANT PRESSURE	455-1108024	736	EG	0.750	1.750	2.750	40/0
MD614	CONSTANT PRESSURE	455-1102142	736	EG	0.625	1.500	2.750	40/0
MD616	CONSTANT PRESSURE	455-1108024	736	EG	0.750	1.750	2.750	40/0
MD618	CONSTANT PRESSURE	455-1108025	736	EG	0.750	2.000	3.000	40/0

ABB

Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
G303360P0048	100.122.175.075	790	EG	20	32	47
G303360P0049	100.122.175.075	790	EGX	20	32	47
HTAG405760P0001	YFZE 138.12.98	26	MG	25	12.5	32
G303361P0048	100.122.176.043	790	EG	25	32	47
G303361P0049	100.122.176.043	790	EGX	25	32	47

EW HOF

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
177017-08	YFZE 124.09.97	37	MG	6.4	8	20
177017-13	131.111.110.208	35	MG	6.4	16	20
177017-02	YFZE 101.05.97	35	MG	8	16	22
177017-03	103.111.111.002	35	MG	8	20	22
177017-04	100.111.102.111	26	MG	10	20	25
177017-06	100.111.113.076	37	MG	12.5	12.5	22
177043-00	YFZE 161.03.99	141	EG	12.5	16	28

FELTEN & GUILLAUME

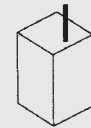
Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
1522507	100.111.110.026	115	EG	6.3	16	40
1522529	131.111.111.100	35	EG	8	10	20
1522505	131.111.111.101	35	EG	8	12.5	25
1522551	100.111.111.117	115	EG	8	12.5	40
1522518	100.111.111.092	115	EG	8	16	25
1522530	100.111.111.092	115	EG	8	16	25
1522562	YFZE 125.07.97	115	MG	8	16	25
1522508	100.111.111.078	115	EG	8	20	40
1522537	100.111.112.170	115	EG	10	16	25
1522503	100.111.122.003	115	MG	10	20	25
1522538	100.111.112.171	115	EG	10	20	40
1522509	100.111.112.121	115	EG	10	25	50
1522532	100.111.112.121	115	EG	10	25	50
1522506	100.111.103.049	26	MG	12.5	16	25
1522534	100.112.114.045	120	EG	16	25	50
1522543	100.122.114.021	120	EG	16	25	50
1522549	100.122.176.035	141	EG	25	32	56
1522545	100.122.116.023	120	EG	25	32	64
1522556	YFZE 110.09.00	120	EG	25	32	64

GEBR. EFFING

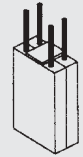
Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
	122.112.648.002	Special	MG	40	30	31
	YFZE.178.11.99	834S	MG	70	35	60
	122.112.199.002	834S		120	40	55

JANOSCHKA GmbH

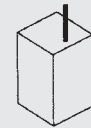
Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
	122.112.199.001	834S	MG	120	40	65
	122.112.199.005	834S	MG	120	40	65



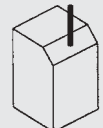
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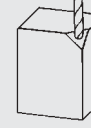
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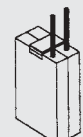
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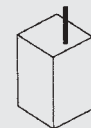
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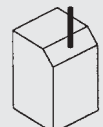
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141



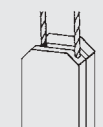
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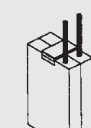
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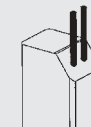
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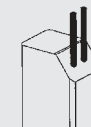
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834S



834S



KAISER

Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
	100.111.101.084	115	RG	8	10	20
	131.111.111.113A	115	RG	8	10	20
8-ksr-2	101.111.111.009A	115	RG	8	10	32
	101.111.111.012B	115	RG	8	10	32
	115.111.111.003B	115	RG	8	12.5	32
	100.111.101.058	115	RG	8	16	23
	110.111.112.002A	115	RG	10	12.5	25
	100.111.112.177	115	RG	10	12.5	32
	100.111.102.114	115	RG	10	16	25
	115.111.132.001B	115	RG	10	25	48
	115.111.132.001 MOD	115	RG	12.5	25	50



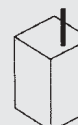
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LECHMOTOREN

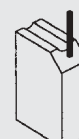
Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
WN 1078 TOS9	100.111.111.094C		EG	8	16	25

LENZE

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
417 657	100.111.110.047	752	RG	5	8	12
333 780	100.111.100.014	26	RG	6.3	16	20
417 656	100.111.110.046	752	RG	6.4	8	16
128 107	100.111.110.031	752	RG	6.4	12.5	16
386 531	100.111.110.031	752	RG	6.4	12.5	16
417 642	100.111.110.031	752	MG	6.4	12.5	16
136 149	100.111.110.033	752	CG	6.4	16	20
329 603	101.122.161.002	790	EG	8	12.5	18
329 789	YFZE 108.04.94	115	EG	8	12.5	20
335 299	YFZE 107.07.93	26	RG	8	12.5	20
346 096	100.111.101.087	26	RG	8	16	25
390 489	100.111.101.087	26	EG	8	16	25
329 808	101.122.171.003	790	EG	8	16	28
330 112	101.122.162.001	141	EG	10	12.5	19
329 809	YFZE 109.01.94	752	RG	10	12.5	20
332 513	YFZE 127.10.93	26	RG	10	12.5	20
329 765	101.161.102.002	26	EG	10	12.5	25
346 400	101.111.102.019	26	EG	10	12.5	25
377 428	101.111.102.019	26	RG	10	12.5	25
337 801	101.111.102.010	26	EG	10	16	25
346 095	101.111.102.010	26	RG	10	16	25
360 944	101.111.102.010	26	EG	10	16	25
375 541	101.111.102.010	26	EG	10	16	25
356 239	YFZE 124.07.93	26	RG	10	16	32
331 193	101.122.172.012	141	EG	10	20	28
330 762	YFZE 139.12.93	752	EG	10	20	32
331 945	YFZE 124.01.94	26	RG	10	20	32
363 988	YFZE 124.01.94	26	RG	10	20	32
370 634	YFZE 106.06.94	752	RG	10	20	32
330 880	101.122.173.010	141	EG	12.5	20	28
403 166	101.122.173.011	141	RG	12.5	20	28
374 466	101.111.113.014	26	RG	12.5	20	32
396 070	101.111.113.014	26	EG	12.5	20	32
336 699	101.122.173.011	141	EG	12.5	25	28
336 710	101.122.173.011	141	EG	12.5	25	28
334 607	101.111.103.005	26	EG	12.5	25	32
336 709	101.111.103.005	26	EG	12.5	25	32
391 306	101.111.103.005	26	RG	12.5	25	32



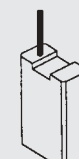
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752



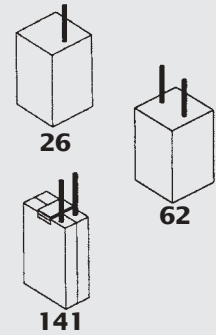
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RELIANCE

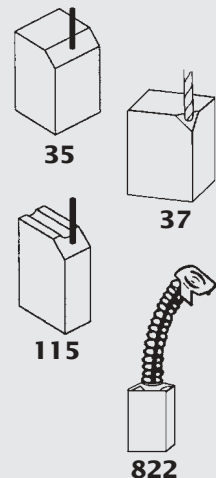
Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
16134-S	YFZE 162.05.98	26	EG	7.93	15.87	25.4
11988-S	101.111.101.001	26	EG	8	16	25
7822-10705	100.111.101.072	26	EG	8	20	32
10706-S	100.111.102.079	26	EG	10	20	32
16282-S	100.111.102.079	26	EG	10	20	32
16231-S	100.111.102.057	26	EG	10	25	32
7822-10707	100.111.102.057	26	EG	10	25	32
10708-S	100.111.103.030	26	EG	12.5	25	32
10709-S	100.112.103.003	62	EG	12.5	32	40
7822-10714	100.122.174.015	141	EG	16	25	27.5
10710-S	100.112.104.007	62	EG	16	25	32
10715-S	100.122.174.022	141	EG	16	32	35.5
7822-10711	100.112.104.021	62	EG	16	32	40
17416-S	YFZE 108.01.98	62	EG	16	32	46
7822-10717	100.122.175.029	141	EG	20	32	35.5
10718-S	100.122.176.034	141	EG	25	32	35
7822-10713	100.112.106.002	62	EG	25	32	40
10684-S	101.112.107.042	62	MG	32	16	40
7822-10685	101.112.107.040	62	MG	32	20	40
7822-10686	101.112.108.021	62	MG	40	20	40



SIEMENS

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
110 40080 01 068	100.111.740.001	Special	CG	5	10	21
110 40094 02 068	131.116.120.403	822	EG	6	13	23.5
110 40140 02 068	131.116.120.469	822	EG	6	13	23.5
110 40140 02 090	131.116.120.469	822	RG	6	13	23.5
110 40140 04 068	100.116.120.013	822	EG	6	13	23.5
110 40094 01 068	131.116.120.347	822	EG	6	13	25
110 40094 01 072	131.116.120.347	822	CG	6	13	25
110 40094 01 090	131.116.120.347	822	RG	6	13	25
110 40140 01 068	131.116.120.468	822	EG	6	13	25
110 40140 01 072	131.116.120.468	822	CG	6	13	25
110 40140 01 090	131.116.120.468	822	RG	6	13	25
095 50099 01 099	131.111.110.107	35	MG	6.4	12.5	20
110 30085 03 066	131.111.111.095	35	EG	8	10	20
110 30085 03 071	131.111.111.095	35	EG	8	10	20
110 30085 03 090	131.111.111.095	35	RG	8	10	20
110 30085 81 062	131.111.111.140	35	CG	8	10	22
110 30085 33 066	131.111.111.127	35	EG	8	10	25
110 30085 33 090	131.111.111.127	35	RG	8	10	25
110 40069 02 068	100.111.741.001	Special	EG	8	10	25
110 30085 10 066	131.111.111.094	37	EG	8	12.5	20
110 40136 01 090	100.711.191.007	115	RG	8	12.5	25
110 40090 05 066	131.111.131.001	115	EG	8	12.5	25
110 40090 05 068	131.111.131.001	115	EG	8	12.5	25
110 40090 05 090	131.111.131.001	115	RG	8	12.5	25
110 40132 01 068	131.111.131.005	115	EG	8	12.5	25
110 40132 01 090	131.111.131.005	115	RG	8	12.5	25
110 40097 01 068	131.116.121.039	822	EG	8	12.5	25
110 40099 01 066	131.711.191.004	115	EG	8	12.5	25
110 40099 01 090	131.711.191.004	115	RG	8	12.5	25
110 40090 02 070	100.161.131.001	115	EG	8	16	32
110 40131 01 094	100.166.121.001	822	EG	8	20	29
110 30085 04 066	131.111.112.046	35	EG	10	10	20
110 30085 11 066	131.111.112.044	37	EG	10	12.5	20



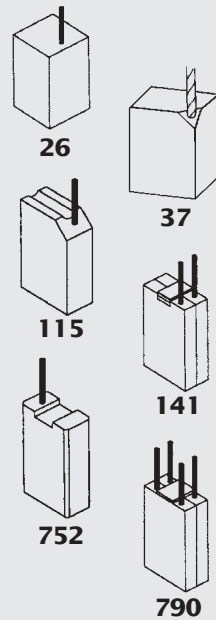
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SIEMENS

Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
110 40090 06 066	100.111.132.015	115	EG	10	12.5	32
110 30085 12 066	100.111.112.135	37	EG	10	16	20
110 30085 12 090	100.111.112.135	37	RG	10	16	20
110 30085 42 066	100.111.112.181	37	EG	10	16	25
110 30085 42 090	100.111.112.181	37	RG	10	16	25
110 40155 04 090	101.122.162.004	790	RG	10	16	27.5
110 40002 02 066	101.111.172.004	26	EG	10	16	29
110 40002 02 090	101.111.172.004	26	RG	10	16	29
110 40002 01 066	101.111.172.005	26	EG	10	16	29
110 40002 01 090	101.111.172.005	26	RG	10	16	29
110 40008 01 066	101.111.172.006	26	EG	10	16	29
110 40008 01 090	101.111.172.006	26	RG	10	16	29
110 40008 02 066	101.111.172.007	26	EG	10	16	29
110 40008 02 090	101.111.172.007	26	RG	10	16	29
110 40141 04 066	101.122.172.003	141	EG	10	16	29
110 40141 04 068	101.122.172.003	141	EG	10	16	29
110 40141 44 066	101.122.172.005	141	EG	10	16	29
110 40141 44 068	101.122.172.005	141	EG	10	16	29
110 40141 44 090	101.122.172.006	141	RG	10	16	29
110 40141 84 066	101.122.172.007	141	EG	10	16	29
110 40141 84 068	101.122.172.007	141	EG	10	16	29
110 40141 84 090	101.122.172.008	141	RG	10	16	29
110 40141 04 095	101.122.172.016	141	RG	10	16	29
110 40143 04 090	101.122.172.001	141	RG	10	16	29
110 40145 84 066	101.722.192.001	141	EG	10	16	29
110 40145 84 068	101.722.192.001	141	EG	10	16	29
110 40145 04 066	101.722.192.003	141	EG	10	16	29
110 40145 04 068	101.722.192.003	141	EG	10	16	29
110 40145 84 090	YFZE 101.01.99	141	RG	10	16	29
110 40147 44 066	101.112.172.002	141	EG	10	16	30
110 40146 04 090	101.122.172.002	141	RG	10	16	30
110 40148 04 090	101.162.172.001	141	RG	10	16	30
110 40147 04 090	101.162.172.002	141	RG	10	16	30
110 40147 84 090	101.162.172.003	141	RG	10	16	30
110 40147 04 091	101.162.172.005	141	EG	10	16	30
110 40147 04 066	YFZE 103.12.95	141	EG	10	16	30
110 40090 09 066	100.111.132.019	115	EG	10	16	32
110 40090 09 090	100.111.132.019	115	RG	10	16	32
110 40090 09 092	100.111.132.019	115	EG	10	16	32
110 40096 04 066	100.111.132.032	115	EG	10	16	32
110 40096 04 090	100.111.132.032	115	RG	10	16	32
110 40096 04 092	100.111.132.032	115	EG	10	16	32
110 40096 08 090	100.111.132.034	115	RG	10	16	32
110 40090 09 070	100.161.132.002	115	EG	10	16	32
110 40096 04 070	100.161.132.003	115	EG	10	16	32
110 40096 04 091	100.161.132.003	115	EG	10	16	32
110 40101 04 066	100.711.192.010	115	EG	10	16	32
110 40101 04 090	100.711.192.010	115	RG	10	16	32
110 40101 04 092	100.711.192.010	115	EG	10	16	32
110 40101 03 092	100.711.192.011	115	EG	10	16	32
110 40101 04 091	100.761.192.002	115	EG	10	16	32
110 40139 01 091	101.161.102.001	26	EG	10	16	32
110 40101 03 070	101.761.192.001	115	EG	10	16	32
110 40101 03 091	101.761.192.001	115	EG	10	16	32
110 40150 84 090	101.161.172.004	752	RG	10	16	38
110 40002 03 066	101.111.172.003	752	EG	10	20	29
110 40002 03 090	101.111.172.003	752	RG	10	20	29



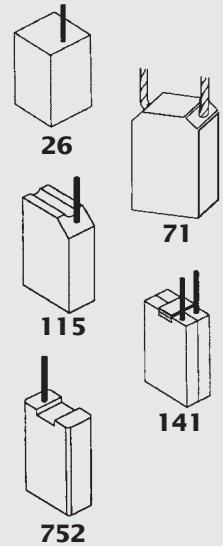
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SIEMENS

Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
110 40008 03 066	101.111.172.008	26	EG	10	20	29
110 40008 03 090	101.111.172.008	26	RG	10	20	29
110 40141 09 066	101.122.172.009	141	EG	10	20	29
110 40141 09 068	101.122.172.009	141	EG	10	20	29
110 40141 09 090	101.122.172.010	141	RG	10	20	29
110 40145 09 066	101.722.192.002	141	EG	10	20	29
110 40145 09 090	YFZE 167.10.99	141	RG	10	20	29
110 40147 09 066	101.112.172.001	141	EG	10	20	30
110 40096 09 066	100.111.132.035	115	EG	10	20	32
110 40096 09 090	100.111.132.035	115	RG	10	20	32
110 40096 09 092	100.111.132.035	115	EG	10	20	32
110 40096 09 070	100.161.132.004	115	EG	10	20	32
110 40096 09 091	100.161.132.004	115	EG	10	20	32
110 40153 01 068	101.111.172.001	752	EG	10	25	35
110 40090 08 066	100.111.133.009	115	EG	12.5	16	32
110 40090 08 090	100.111.133.009	115	RG	12.5	16	32
110 40090 08 092	100.111.133.009	115	EG	12.5	16	32
110 40095 01 066	100.711.193.005	115	EG	12.5	16	32
110 40101 11 066	100.711.193.009	115	EG	12.5	16	32
110 30085 67 066	100.112.113.027	71	EG	12.5	20	20
110 40002 04 066	101.111.173.002	26	EG	12.5	20	29
110 40002 04 090	101.111.173.002	26	RG	12.5	20	29
110 40008 04 090	101.111.173.004	26	RG	12.5	20	29
110 40008 04 066	101.111.173.004	26	EG	12.5	20	29
110 40141 01 066	101.122.173.002	141	EG	12.5	20	29
110 40141 01 068	101.122.173.002	141	EG	12.5	20	29
110 40141 01 090	101.122.173.003	141	RG	12.5	20	29
110 40141 41 066	101.122.173.004	141	EG	12.5	20	29
110 40141 41 090	101.122.173.005	141	RG	12.5	20	29
110 40141 61 066	101.122.173.008	141	EG	12.5	20	29
110 40141 61 068	101.122.173.008	141	EG	12.5	20	29
110 40141 61 090	101.122.173.009	141	RG	12.5	20	29
110 40145 01 066	101.722.193.001	141	EG	12.5	20	29
110 40145 01 068	101.722.193.001	141	EG	12.5	20	29
110 40147 01 090	101.162.173.001	141	RG	12.5	20	30
110 40090 07 066	100.111.133.008	115	EG	12.5	20	32
110 40096 01 066	100.111.133.015	115	EG	12.5	20	32
110 40096 01 090	100.111.133.015	115	RG	12.5	20	32
110 40096 01 092	100.111.133.015	115	EG	12.5	20	32
110 40096 01 070	100.161.133.002	115	EG	12.5	20	32
110 40096 01 091	100.161.133.002	115	EG	12.5	20	32
110 40101 02 092	100.711.193.001	115	EG	12.5	20	32
110 40149 61 090	101.162.173.003	141	RG	12.5	20	34
110 40150 01 090	101.162.173.002	141	RG	12.5	20	38
110 40153 02 068	101.111.173.003	752	EG	12.5	25	35
110 40151 01 068	101.111.173.001	752	EG	12.5	25	39
110 40151 01 090	101.111.173.001	752	RG	12.5	25	39
110 40151 01 070	101.161.173.003	752	EG	12.5	25	39
110 40145 04 090	101.722.192.006	141	RG	16	16	29
110 40096 05 066	100.111.134.017	115	EG	16	20	32
110 40096 05 092	100.111.134.017	115	EG	16	20	32
110 40096 05 091	100.161.134.001	115	EG	16	20	32
110 40151 02 068	101.111.174.002	752	EG	16	25	39
110 40151 02 090	101.111.174.002	752	RG	16	25	39
110 40151 02 070	101.161.174.001	752	EG	16	25	39
110 40151 02 070	101.161.174.001	26	EG	16	25	39

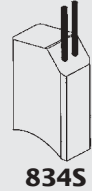




SAUERESSIG GmbH

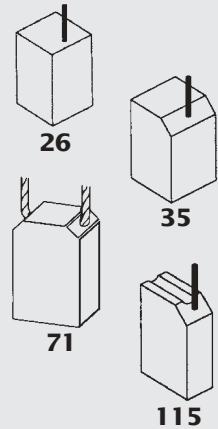
Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
	122.112.119.006	834S	MG	70	36	40
	122.112.119.004	834S	MG	70	36	40
W1079024310	122.112.119.005	834S	MG	70	36	40
W1079024305	122.112.119.007	834S	MG	70	36	40
W1079024312	YFZE 178.11.99	834S	MG	70	36	40



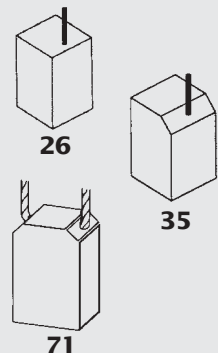
SEW Eurodrive

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
00125806	131.111.100.045	26	CG	6.3	8	16
00125687	131.111.100.056	26	RG	6.3	12.5	22
00125830	131.111.100.056	26	EG	6.3	12.5	22
00126659	100.711.190.002	71	EG	6.3	12.5	22
00126012	100.111.130.004	115	EG	6.3	16	32
00126691	100.711.190.001	115	EG	6.3	16	32
00125822	100.111.101.076	26	CG	8	12.5	16
00125881	100.111.101.076	26	RG	8	12.5	16
00125865	100.111.101.079	26	MG	8	12.5	16
01902571	100.111.101.079	26	MG	8	12.5	16
00126098	100.111.131.014	115	EG	8	12.5	32
00126764	100.711.191.004	115	EG	8	12.5	32
00125814	100.111.111.079	35	EG	8	16	22
09119981	100.111.111.079	35	RG	8	16	22
00126667	100.711.191.002	35	EG	8	16	22
00126101	100.111.131.015	115	EG	8	16	32
00126063	100.111.131.010	115	EG	8	16	40
00126721	YFZE 168.07.97	115	EG	8	16	40
00126039	100.111.131.012	115	EG	8	20	32
00126705	100.711.191.001	115	EG	8	20	32
00126004	100.111.132.038	115	EG	10	12.5	32
00126896	100.711.192.016	26	EG	10	12.5	32
00125849	YFZE 123.10.93	26	EG	10	16	22
00125873	YFZE 115.02.95	26	MG	10	16	22
00125733	100.111.132.039	115	EG	10	16	32
00125857	YFZE 115.10.96	26	MG	12.5	20	25



SSB

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
53-40-02*000001	100.111.110.038	35	MG	5	4	10
53-42-02*000002	131.111.100.067	26	EG	6.4	10	18
53-43-02*000005	100.111.101.075	26	MG	8	12.5	16
53-43-02*000004	100.111.101.075	26	EG	8	12.5	18
53-43-02*000001	100.111.101.068	26	EG	8	20	22
53-43-02*000010	YFZE 127.09.97	26	MG	8	20	22
53-44-02*000002	YFZE 113.10.99	35	EG	10	16	35
53-44-02*000002	101.111.112.006	35	EG	10	16	35
53-44-02*000001	101.111.112.020	35	EG	10	20	35
53-42-02*000001	YFZE 161.10.99	35	CG	16	6.4	17
53-46-02*000001	YFZE 148.08.99	71	EG	16	20	35

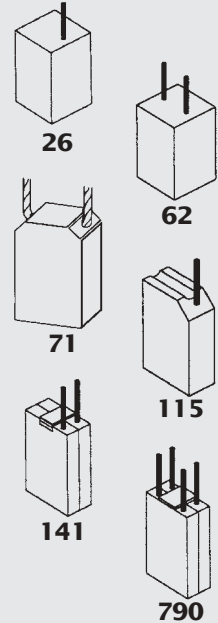




THRIGE

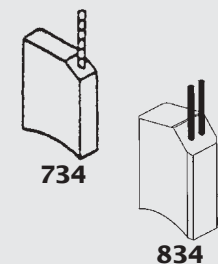
Metric Cross Reference

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
0311154	100.111.132.016	115	EG	10	12.5	32
0311162	100.111.132.017	115	EG	10	16	40
2523426	100.111.132.017	115	RG	10	16	40
1812777	100.111.102.144	26	MG	10	20	20
1812076	100.111.102.133	26	MG	10	20	25
2194325	100.111.102.133	26	MG	10	20	25
2328275	YFZE 170.08.97	26	MG	10	20	25
2319322	104.112.103.002	62	MG	12.5	20	28
2374633	104.112.103.002	62	MG	12.5	20	28
2399474	YFZE 131.07.96	62	MG	12.5	20	28
2420406	YFZE 134.09.97	62	MG	12.5	20	28
1777564	100.112.113.041	71	MG	12.5	25	32
2218666	100.112.113.041	71	MG	12.5	25	32
2399962	YFZE 125.08.98	71	MG	12.5	25	32
2420384	YFZE 115.05.94	71	MG	12.5	25	32
0463701	100.111.133.010	115	RG	12.5	25	50
0527777	100.111.133.010	115	EG	12.5	25	50
0821241	100.111.133.011	115	EG	12.5	25	50
2540731	YFZE 150.11.99	71	MG	16	25	32
1361937	YFZE 120.08.96	141	EG	16	25	42
1936611	YFZE 111.07.95	790	EG	20	25	44
0821276	100.122.176.026	790	EG	25	32	43
1488570	100.122.176.026	790	RG	25	32	43
1489496	YFZE 169.07.97	790	EG	25	32	43



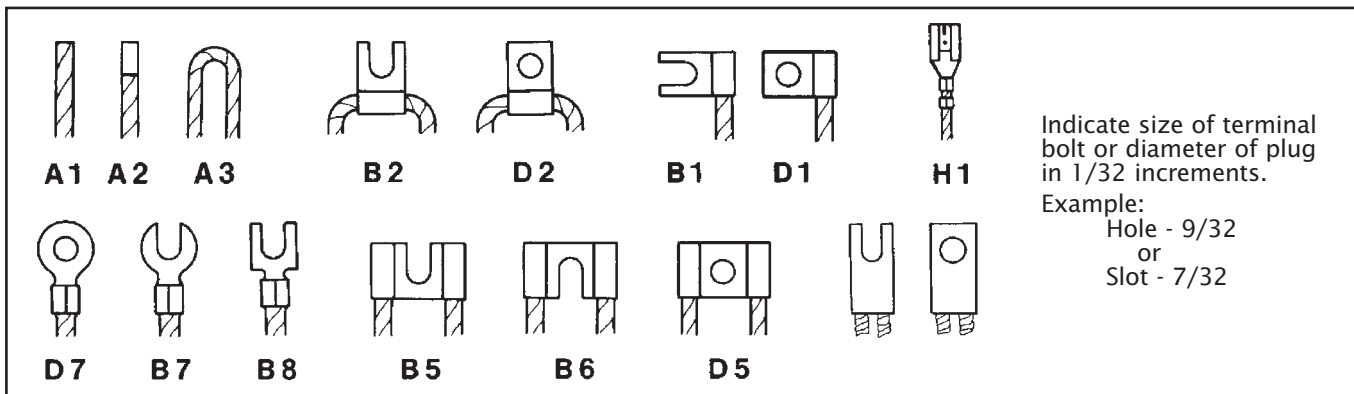
VEM

Part Number	Schunk Dwg.	Style	Grade	Thickness	Width	Length
150001	103.111.112.003	734	MG	10	8	25
6762701	YFZE 127.01.01	734	MG	10	8	25
5746101	103.111.114.004	734	MG	16	8	25
5746101	103.111.114.003	734	MG	16	8	25
6041201	YFZE 109.06.96	734	MG	16	12.5	32
5028101	YFZE 114.06.94	834	MG	25	12.5	32
5028301	103.112.106.002	834	MG	25	12.5	32
5761001	YFZE 113.02.94	834	MG	25	12.5	32
6266601	YFZE 100.01.98	834	MG	25	12.5	32
6301001	103.112.106.002	834	MG	25	12.5	32
6695801	YFZE 114.06.94	834	MG	25	12.5	32
5028501	103.112.107.002	834	MG	32	12.5	32
5744101	103.112.107.005	834	MG	32	12.5	32
6186901	103.112.107.002	834	MG	32	12.5	32
6409401	103.112.107.005	834	MG	32	12.5	32
5739301	103.112.107.003	834	MG	32	16	40
6244201	103.112.107.003	834	MG	32	16	40
6431401	103.112.107.003	834	MG	32	16	40
6800501	YFZE 109.04.01	834	MG	32	16	40

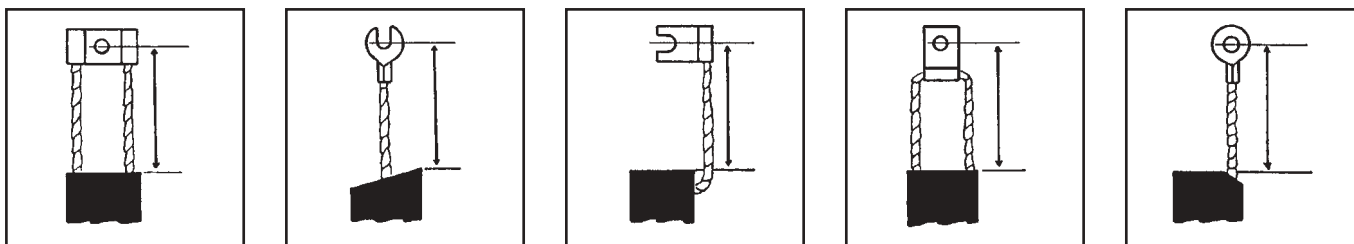


Brush Design Criteria

Terminals



Shunt Length Strip



Brush Dimensions

The dimensions of carbon brushes are measured in the following sequence

t x a x r

t = tangential

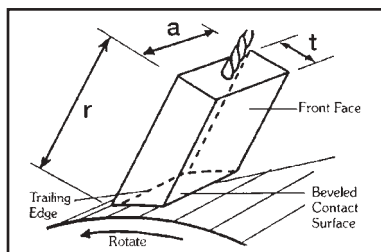
(in direction of circumference - i.e. thickness)

a = axial

(in direction of axle - i.e. width)

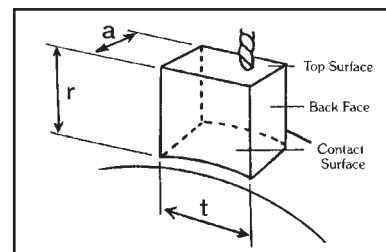
r = radial

(in direction of diameter - i.e. length, incl. head plate)



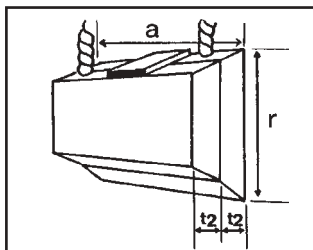
COMMUTATOR BRUSH

Thickness is generally **smaller** than brush width.



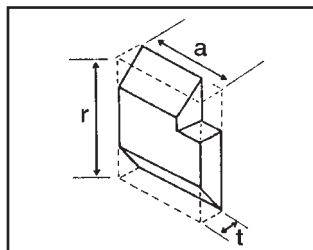
SLIP RING BRUSH

Thickness is generally **larger** than brush width.



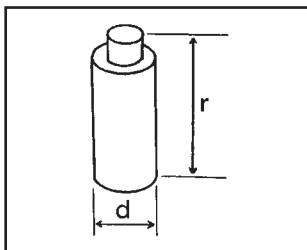
MULTI-WAFER PAD BRUSH

When measuring a brush with a vibration-pad for overall length, you **must** include the thickness of the pad.



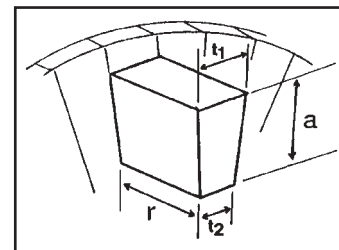
BEVELED BRUSH

Brush length should be measured to the **longest** edge of the top or bottom of brush.



CYLINDRICAL BRUSH

Length is measured to the **top** of the brush head. Diameter is measured across the bottom.



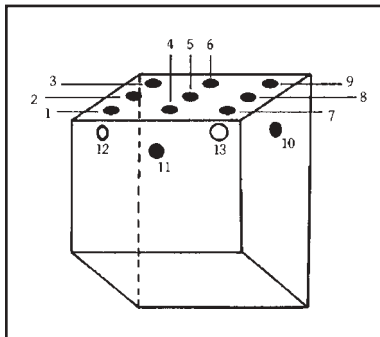
WEDGE BRUSH

When measuring a wedge shaped brush, **two** thickness measurements are needed.

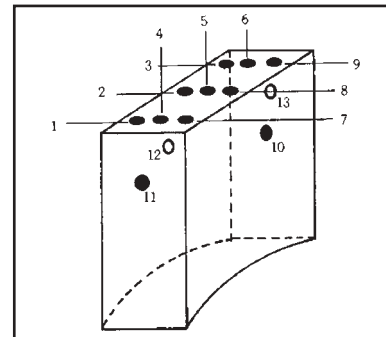
Brush Design Criteria

Shunt Location Styles

Shunt locations can vary due to the numerous positions and brush styles. A numbering system is used to simplify the identification of the position.



STANDARD COMMUTATOR BRUSH

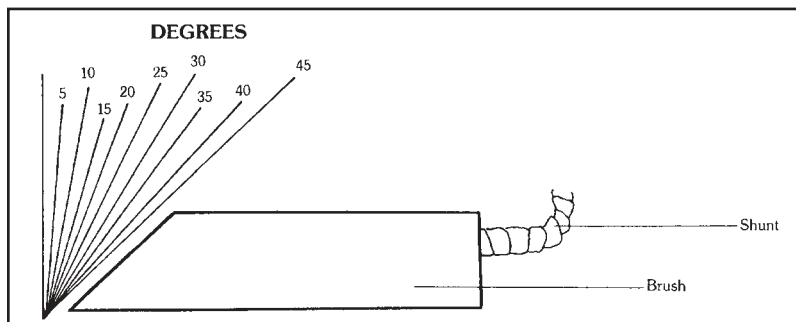


SLIP RING BRUSH

Shaping

Bevels

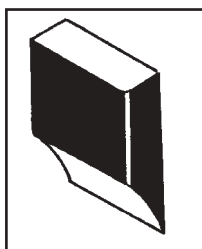
A **bevel** can be described as an angle located at the top or bottom of a brush. The bevels serve both mechanical and electrical functions.



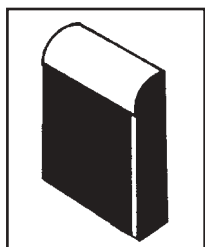
HOW TO MEASURE THE BEVEL OF A BRUSH.

Radius

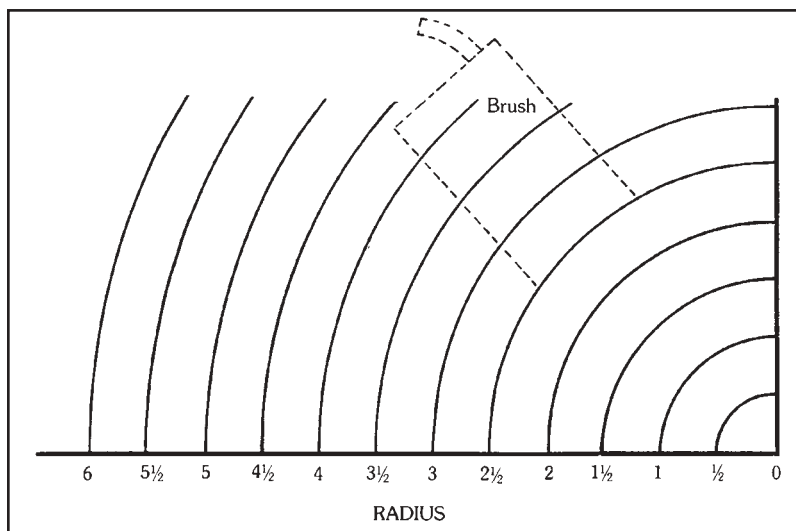
A **concave** can be described as a machined curve (radius) located at the contact face of a brush to help maximize running ability on the contact surface.



CONCAVE RADIUS



CONVEX RADIUS



Use RADIUS CHART to help in determining the degree of angle of the concave or convex surface.

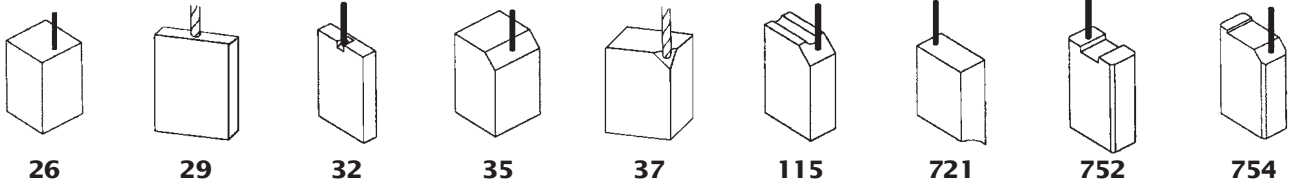
A **convex** top is a machined curve (radius) located at the top of the brush. This curvature is used for some types of brush holders.

NOTE: The degree of angle may be difficult to determine if the brush is badly worn. To ensure correct manufacturing, submit a sample.

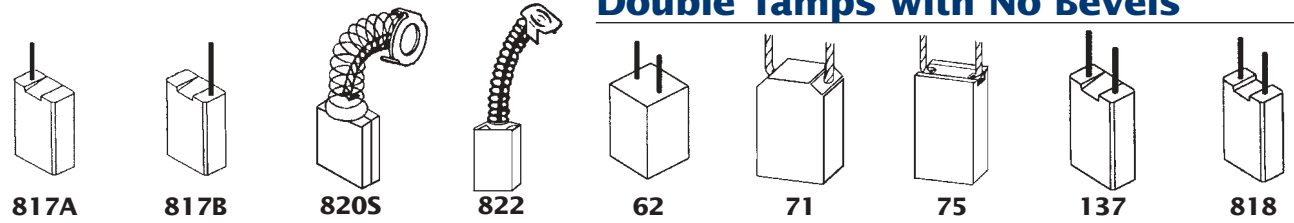
NOTE: A **chamfer**: material removed from the edges of a brush, which is a standard 45° degree angle. This procedure helps to reduce the risk of jamming in the brush holder.

Brush Styles

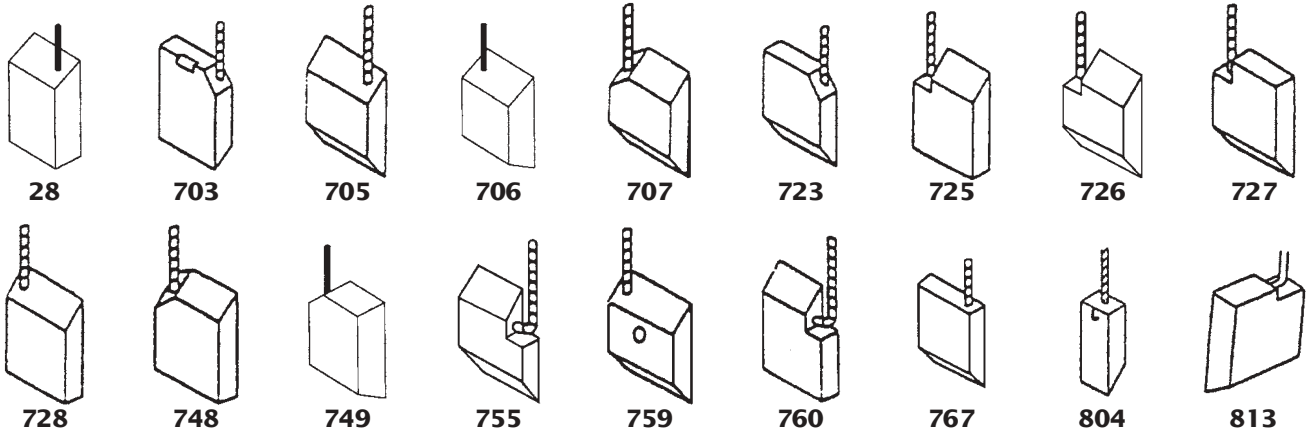
Tamped with No Bevels



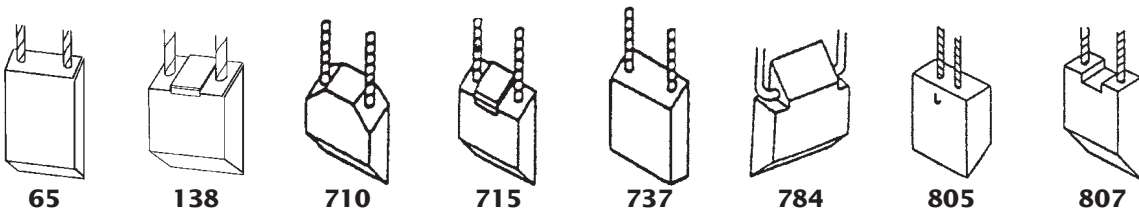
Double Tamps with No Bevels



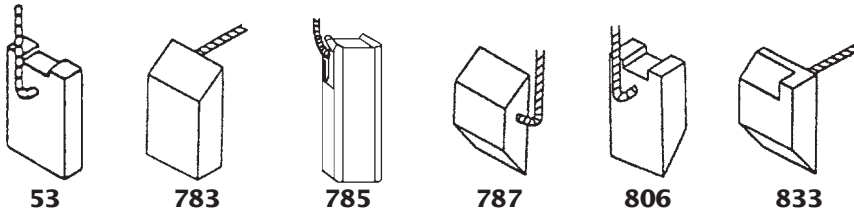
Single Tamps with Bevels



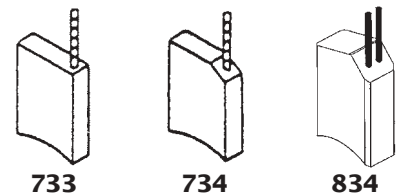
Double Tamps with Bevels



Unusual Tamp Location

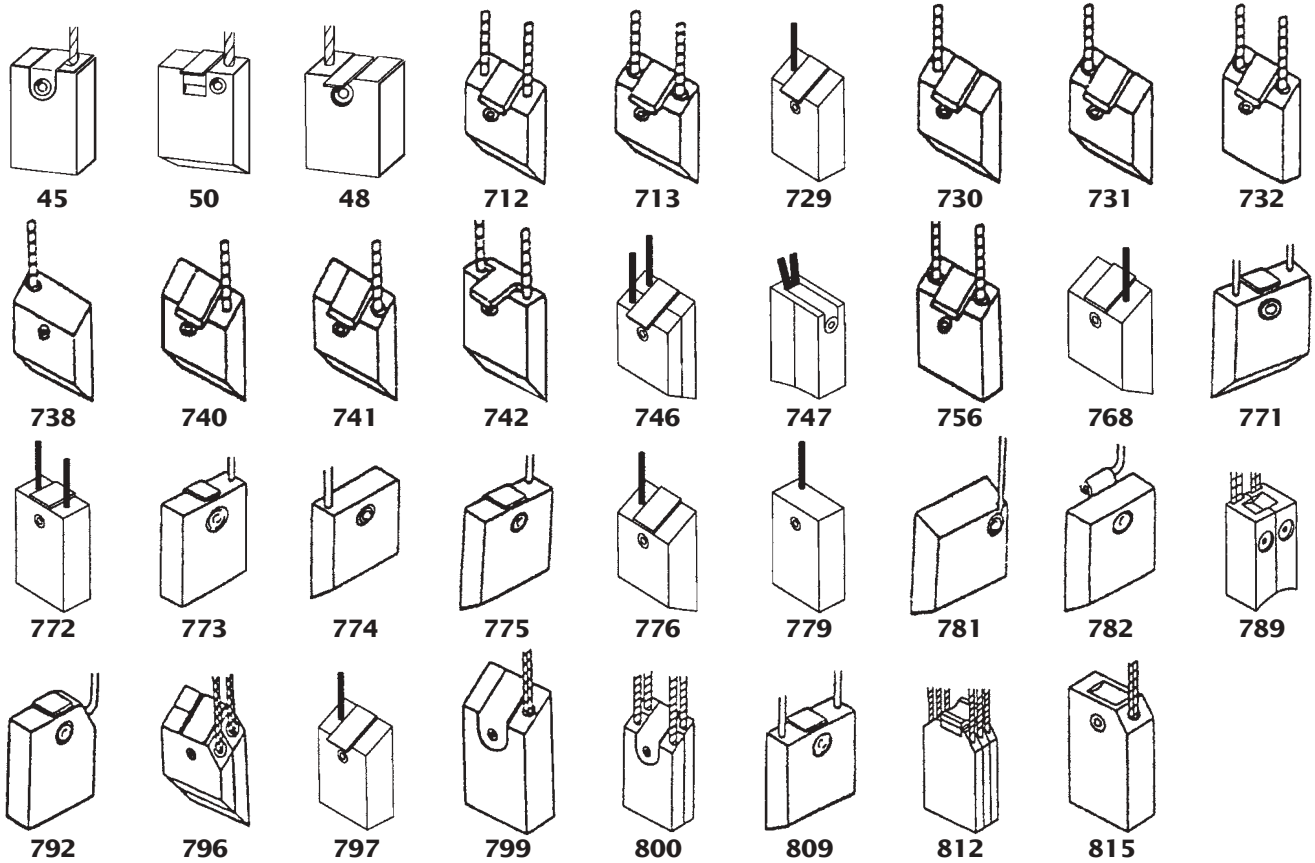


Slip-Ring Tamps

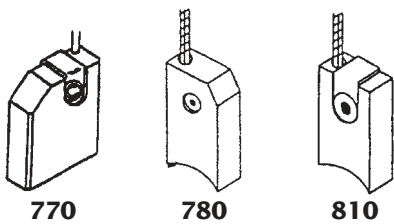


Brush Styles

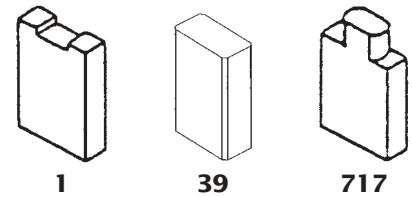
Riveted



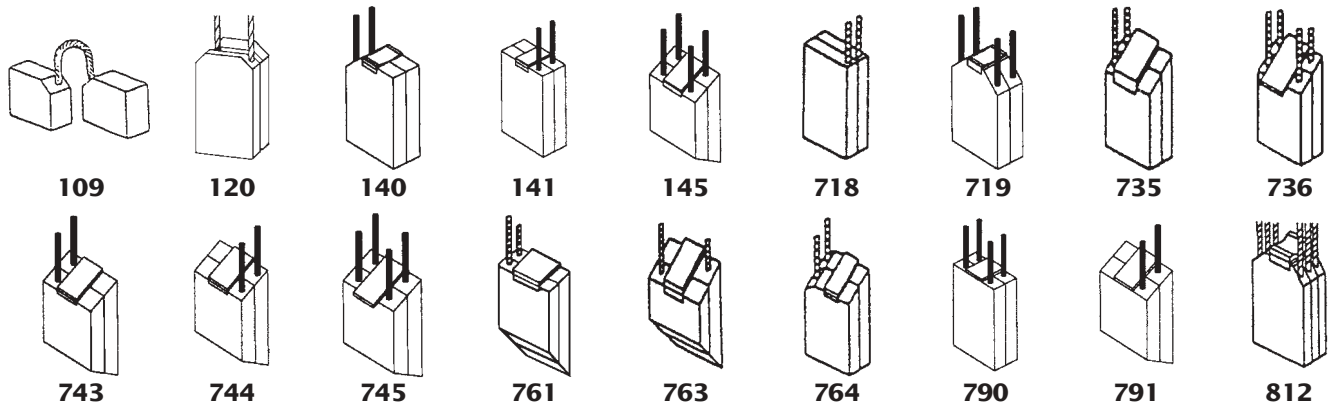
Riveted Slip-Rings



No-Shunt Wire



Split (Additional selections under Riveted)



Grade Information

Grades

Since 1913, Schunk has developed and produced a wide variety of carbon and graphite brush grades, assuring the highest quality product available. Each grade is specifically designed to produce unique electrical, mechanical, and operational characteristics, with constant development and testing to improve each grades performance characteristics. Our engineers are constantly working to improve the life and performance of our materials, enhancing the life and performance of the brushes we produce.

The four main categories of graphite material Schunk produces are: Carbon Graphites, Resin Bonded Graphites, Metal Graphites, and Electrographites. Each is produced for specific application needs, and each category has grades spanning a range of current densities.

Typical Grade Characteristics

Carbon Graphites

Carbon Graphite grades are predominantly used in fractional horsepower applications, but have recently found niches in the industrial motor area. Heat treated to lower temperatures than electrographites, the material is harder, less porous, and displays electrical properties between the resin bonded and electrographitic grades. Primary applications include forklift motors, and lower horsepower general purpose motors.

Electrographites

Electrographite grades are similar to the carbon graphite family, except they are heat treated to 2500 degrees Centigrade to completely volatilize any impurities in the plate. As a result, all of the carbon is converted to the graphite form, leaving a somewhat porous block that may be treated with substances to increase brush strength and overall operating ability. Most applications requiring high speed, high voltage, and current densities up to 77 amps per square inch will use electrographitic materials for the performance they provide.

Resin Bonded Graphites

These materials contain natural graphite and a binding agent, and are carbonized by a slow baking of the plate material. Graphite brushes have excellent riding qualities on high speed equipment, where either commutators or slip rings are employed at current densities of up to 65 amps per square inch. The graphite is used under these circumstances to help protect the rotating surface, while providing the electrical performance required by the application.

Metal Graphites

Metal graphites are composed of natural graphite and metal powders. The metal powders are copper, and metal alloys such as zinc, tin, and lead, and range in concentration from 4% to 98% of the composition of the material. These grades are used on a variety of applications due to their low resistivity, and can handle up to 160 amps per square inch at shaft speeds up to 8,000 feet per minute. Metal graphite brushes are ideal for generators and slip rings, as they perform well on low voltage applications with high current densities.

Required Ordering Information

The following information should be gathered before placing an order. The ordering process will be much faster and we can efficiently serve your needs.

Brush Style Reference Number: _____

Application: _____

Manufacturer: _____

RPMs: _____

Motor Frame: _____

Volts: _____

Motor Model: _____

Amps: _____

Motor Type: _____

HP/KW: _____

Motor Style: _____

Commutator/Ring Diameter: _____

Total No. Poles: _____ Brushes: _____

Dimensions

Length: _____

Width: _____

Thickness: _____ According to type (industrial, slip ring, wedge)

Wire Length: _____

Size and Type of Terminal Aperture: _____

Angle of Bevels (if any): _____

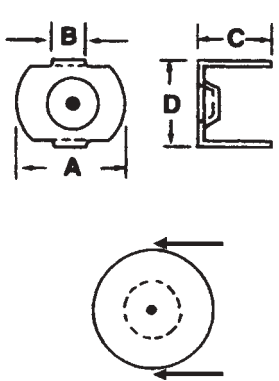
(Use angle picture on Brush Definition Page if necessary)

Other Special Features: _____

Any Writing on Part: _____

Part Number – If Available: _____

In the event of a Spring Brush – please fill in the following:



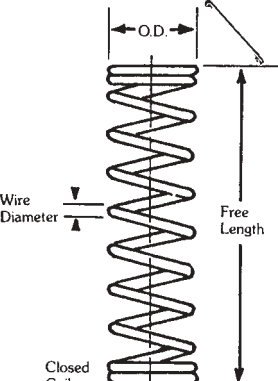
A: _____

B: _____

C: _____

D: _____

Round Cap Dia.: _____



Spring

O.D. (outside diameter): _____

Free Length: _____

Wire Diameter: _____

No. Active Coils: _____

No. Closed Coils: _____

____ LBS – OZS at ____ IN.

Schunk Graphite Technology

W146 N9300 Held Drive
Menomonee Falls, WI 53051

Phone: 262-253-8720
Toll Free: 888-560-7744
Fax: 262-644-6073

www.schunkgraphite.com