



Super Diamond Tools

Manufacturers of Industrial Diamond tipped tools, Diamond wheels and Diamond honing sticks

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Single PAS Honing

Tooling Selection

www.superdiamondtools.in

Tool Dimensions

The super Diamond Single Stroke Honing Tools are recommended for use in selected materials, where speed and accuracy are important.

To aid in adapting your machine(s) for use of the Super's Single PAS Honing® Tool, the following Tool Dimensions Table is provided.

Electroplated with Diamond or CBN of your choice and grit sizes upto 400 grits. Super fine grits also possible but with confirmed orders only.

Mandrel length and sleeve OD dimensions may be altered to individuals need on request.

All Single pass tools are made only to order basis below table.

Letters across the top of the table refer to the Lettered Dimensions on Figures A & B.

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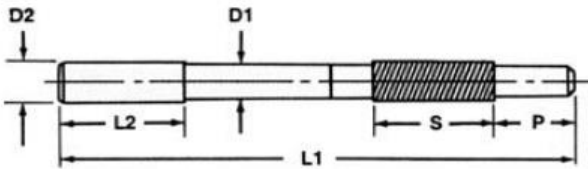


Figure A

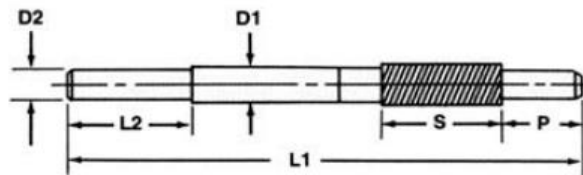


Figure B

Single PAS Honing Tool Dimensions

Diameter Range †		Series No.	Fig.	L1		L2		D1		D2		S		P	
mm	in			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
05,92-06,68	0.233-0.263	S8x	A	230,17	9.062	34,93	1.375	05,79	0.228	07,54	0.297	047,63	1.875	29,13	1.147
06,68-07,57	0.263-0.298	S8y	A	230,17	9.062	34,93	1.375	06,55	0.258	07,54	0.297	047,63	1.875	29,13	1.147
07,57-08,46	0.298-0.333	S10X	A	230,17	9.062	34,93	1.375	07,44	0.293	07,54	0.297	047,63	1.875	29,13	1.147
08,46-09,35	0.333-0.368	S10Y	B	230,17	9.062	34,93	1.375	08,33	0.328	07,54	0.297	047,63	1.875	29,13	1.147

Letters across the top of the table refer to the Lettered Dimensions on Figures A & B.

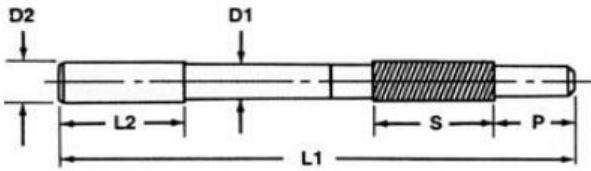


Figure A

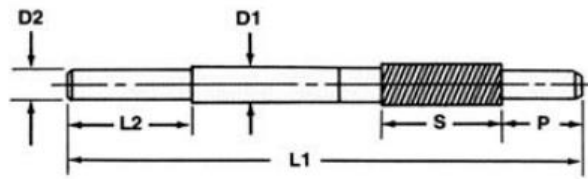


Figure B

Single PAS Honing Tool Dimensions

Diameter Range † of Tool		Series No.	Fig.	L1		L2		D1		D2		S		P	
mm	in			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
09,35-09,88	0.368-0.389	S12X	A	304,44	11.986	54,76	2.156	09,25	0.364	09,36	0.3685	057,15	2.250	25,25	0.994
09,88-10,39	0.389-0.409	S12Y	B	304,44	11.986	54,76	2.156	09,78	0.385	09,36	0.3685	057,15	2.250	25,25	0.994
10,39-10,90	0.409-0.429	S12Z	B	304,44	11.986	54,76	2.156	10,29	0.405	09,36	0.3685	057,15	2.250	25,25	0.994
10,90-11,53	0.429-0.454	S14X	A	337,14	13.273	54,76	2.156	10,79	0.425	10,93	0.4305	066,68	2.625	29,41	1.158
11,53-11,99	0.454-0.472	S14Y	B	337,14	13.273	54,76	2.156	11,43	0.450	10,93	0.4305	066,68	2.625	29,41	1.158
11,99-12,47	0.472-0.491	S14Z	B	337,14	13.273	54,76	2.156	11,88	0.468	10,93	0.4305	066,68	2.625	29,41	1.158
12,47-13,18	0.491-0.519	S16X	A	362,97	14.187	54,76	2.156	12,36	0.487	12,53	0.4935	076,20	3.000	33,27	1.310
13,18-14,05	0.519-0.553	S16Y	B	362,97	14.187	54,76	2.156	13,08	0.515	12,53	0.4935	076,20	3.000	33,27	1.310
14,05-14,78	0.553-0.582	S18X	A	399,69	15.736	54,76	2.156	13,92	0.548	14,08	0.5545	085,73	3.375	36,45	1.435
14,78-15,57	0.582-0.613	S18Y	B	399,69	15.736	54,76	2.156	14,66	0.577	14,08	0.5545	085,73	3.375	36,45	1.435
15,57-16,48	0.613-0.649	S20X	A	431,67	16.995	54,76	2.156	15,47	0.609	15,68	0.6175	095,25	3.750	39,90	1.571
16,48-17,17	0.649-0.676	S20Y	B	431,67	16.995	54,76	2.156	16,38	0.645	15,68	0.6175	095,25	3.750	39,90	1.571
17,17-18,31	0.676-0.721	S22X	A	463,40	18.244	54,76	2.156	17,04	0.671	17,26	0.6795	104,78	4.125	43,08	1.696
18,31-18,82	0.721-0.741	S24X	A	500,23	19.694	54,76	2.156	18,14	0.714	18,78	0.7395	114,30	4.500	49,83	1.962
18,82-19,76	0.741-0.778	S24Y	A	500,23	19.694	54,76	2.156	18,64	0.734	18,78	0.7395	114,30	4.500	49,83	1.962
19,76-20,29	0.778-0.799	S24Z	B	500,23	19.694	54,76	2.156	19,58	0.771	18,78	0.7395	114,30	4.500	49,83	1.962
20,29-21,31	0.799-0.839	S26X	A	531,98	20.944	54,76	2.156	20,14	0.793	20,38	0.8025	123,83	4.875	53,01	2.087