



ATB™ NovoFlex™ Honing Tools



Osborn's ATB™ NovoFlex™ is self-centering tool that will conform to the bore surface providing a consistent, even surface finish over the life of the tool. Because of its round, abrasive beads fastened to the ends of flexible filaments, it will provide an "edge break" not possible with conventional honing stones.

ATB™ NovoFlex™ Honing Tools are available for hole diameters ranging from 0.196" to 8.000". Grit is available in Silicon Carbide & Aluminum Oxide in sizes from 60 to 320 grit for your application. Typical applications include honing, creating cross hatched surface pattern for oil retention, cylinder port area deburring and eliminating inside flashing. These brushes are ideal for reaching into holes and crevices where other brushes cannot.

Osborn's small diameter ATB™ NovoFlex™ Tools are designed with round, abrasive beads fastened to the end of flexible nylon filaments sized to address smaller applications such as brake cylinders, hydraulics and valve guides. This self-centering tool will conform to the bore surface to provide a consistent, even surface finish over the life of the tool.

Achieve a smooth, even surface finish with standard duty Osborn ATB™ NovoFlex™ Tools. Tool is constructed of flexible nylon filaments that each have an abrasive bead fastened to the end of it. This tool is self-centering and is designed to conform to the bore surface for consistent finish and longevity.

The longer brush length of Osborn's heavy duty ATB™ NovoFlex™ Tool tackles tough honing projects with efficiency. Silicon Carbide abrasive beads are fastened to durable nylon filaments to allow the tool to conform to the bore surface. Flexible filaments are engineered to provide the correct pressure to create an ideal hone over the life of the tool.



Applications:

- Engine bores
- Pneumatic and hydraulic bores
- Valve and pump housings
- Pipes
- Connecting rods
- Cam bores
- Crank bores
- Valve bores
- Hydraulic cylinders
- Stainless steel tubing



ATB™ NovoFlex™ Honing Tools

NovoFlex™ –Small Diameter

Used for Hole Diameter		Brush Length		Overall Length		Stem Diameter		120SC	180SC	240SC	320SC	320AO
inches	mm	inches	mm	inches	mm	inches	mm	Part No.	Part No.	Part No.	Part No.	Part No.
0.177	4.5	2.00	50	8	200	0.128	3.3	—	0007750900	—	0007744100	0007750900
0.196	5	2.00	50	8	200	0.128	3.3	—	0007728700	—	0007744200	0007751800
0.236	6	2.00	50	8	200	0.128	3.3	—	—	—	0007744300	0007751900
0.250	6.4	2.00	50	8	200	0.128	3.3	0007724600	0007724800	0007725000	0007744400	0007751100
0.276	7	2.00	50	8	200	0.128	3.3	0007724700	0007724900	0007725100	0007743800	0007752000
0.315	8	2.00	50	8	200	0.142	3.6	0007720000	0007722300	0007725200	0007744500	0007751300
0.354	9	2.00	50	8	200	0.142	3.6	0007720100	0007722400	0007725300	0007744600	0007752100
0.375	9.5	2.00	55	8	200	0.142	3.6	0007735900	0007736000	0007736100	0007744700	0007752200
0.394	10	2.36	60	8	200	0.142	3.6	0007720200	0007722500	0007725500	0007744800	0007752300
0.433	11	2.36	60	8	200	0.142	3.6	0007720300	0007722600	0007725600	0007743700	0007752400
0.472	12	2.36	60	8	200	0.163	4.1	0007736200	0007736300	0007736400	0007744000	0007750500
0.500	12.7	2.36	60	8	200	0.163	4.1	0007720400	0007722700	0007725800	0007743500	0007750300
0.512	13	2.36	60	8	200	0.187	4.7	0007720500	0007722800	0007737700	0007743600	0007752500
0.552	14	2.36	60	8	200	0.187	4.7	0007720600	0007722900	0007725900	0007743900	0007752600
0.630	16	2.36	60	8	200	0.187	4.7	0007720700	0007723000	0007726000	0007744900	0007752700
0.709	18.0	2.36	60	8	200	0.187	4.7	0007720800	0007723100	0007726100	0007745000	0007750600
0.750	19	2.75	70	8	200	0.187	4.7	0007720900	0007723200	0007726200	0007745100	0007752800
0.787	20	2.75	70	8	200	0.187	4.7	0007736500	0007736600	0007726500	0007745200	0007750700
0.875	22	2.75	70	8	200	0.187	4.7	0007721000	0007723300	0007726400	0007745300	0007752900
0.940	23.8	2.75	70	8	200	0.187	4.7	0007721100	0007723400	0007726500	0007745400	0007753000
1.000	25.4	2.75	70	8	200	0.187	4.7	0007721200	0007723500	0007726600	0007745500	0007750200
1.060	26.9	2.75	70	8	200	0.187	4.7	0007721300	0007723600	0007725700	0007745600	0007753100
1.125	29	2.75	70	8	200	0.187	4.7	0007721400	0007723700	0007726700	0007745700	0007750400
1.250	31.8	2.75	70	8	200	0.187	4.7	0007721500	0007723800	0007726800	0007745800	0007753200
1.375	35	2.75	70	8	200	0.187	4.7	0007721600	0007723900	0007726900	0007745900	0007753300
1.500	38	2.75	70	8	200	0.240	6.1	0007721700	0007724000	0007727000	0007746000	0007751400
1.625	41	2.75	70	8	200	0.240	6.1	0007721800	0007724100	0007727100	0007746900	0007753400
1.750	45	2.75	70	8	200	0.240	6.1	0007736800	0007736900	0007737000	0007747000	0007753500
2.000	51	2.75	70	8	200	0.240	6.1	0007737100	0007737200	0007737300	0007747100	0007753600
2.125	54	2.75	70	8	200	0.240	6.1	0007722000	0007724300	0007727400	0007747200	0007753700
2.250	57	2.75	70	8	200	0.240	6.1	0007722100	0007724400	0007727500	0007747300	0007753800
2.375	60	2.75	70	8	200	0.240	6.1	0007722200	0007724500	0007727600	0007747400	0007753900
2.500	64	2.75	70	8	200	0.240	6.1	0007737400	0007737500	0007737600	0007747500	0007754000

NovoFlex™ –Standard Duty

Used for Hole Diameter		Brush Length		Overall Length		Stem Diameter		120SC	180SC	240SC	320SC	320AO
inches	mm	inches	mm	inches	mm	inches	mm	Part No.	Part No.	Part No.	Part No.	Part No.
2.625	67	2.75	76	8	200	0.187	4.7	—	0007730000	0007727800	0007747600	0007754100
2.750	70	2.75	76	8	200	0.187	4.7	0007729700	0007730100	0007727900	0007747700	0007754200
2.875	73	2.75	76	8	200	0.187	4.7	0007729800	0007730200	0007728000	0007747800	0007754300
3.000	76	2.75	76	8	200	0.187	4.7	0007729900	0007730300	0007728100	0007747900	0007754400
3.250	83	2.75	76	14	343	0.300	7.6	0007737900	0007738000	0007738100	0007748000	0007754500
3.500	89	2.75	76	14	343	0.300	7.6	0007730500	0007730700	0007728300	0007748100	0007754600
3.750	95	3.50	89	14	343	0.300	7.6	0007730800	0007732500	0007734200	0007748200	0007754700
4.125	105	4.00	102	14	343	0.300	7.6	0007730900	0007732600	0007734300	0007748300	0007754800
4.625	118	4.50	114	14	343	0.300	7.6	—	0007732700	0007734400	0007748400	0007754900

NovoFlex™ –Heavy Duty

Used for Hole Diameter		Brush Length		Overall Length		Stem Diameter		120SC	180SC	240SC	320SC	320AO
inches	mm	inches	mm	inches	mm	inches	w	Part No.	Part No.	Part No.	Part No.	Part No.
3.000	76	5.50	140	14	343	0.300	7.6	0007731100	0007732800	0007734500	0007748500	0007755000
3.250	83	5.50	140	14	343	0.300	7.6	0007731200	0007732900	0007734600	0007748600	0007755100
3.500	89	5.50	140	14	343	0.300	7.6	0007731300	0007733000	0007734700	0007748700	0007755200
3.750	95	5.50	140	14	343	0.300	7.6	0007731400	0007733100	0007734800	0007748800	0007755300
4.000	101	6.50	165	14	343	0.350	8.9	0007731500	0007733200	0007734900	0007748900	0007755400
4.250	108	6.50	165	14	343	0.350	8.9	0007731600	0007733300	0007735000	0007749000	0007755500
4.500	114	6.50	165	14	343	0.350	8.9	0007731700	0007733400	0007735100	0007749100	0007755600
5.000	127	6.50	165	18	457	0.350	8.9	0007731800	0007733500	0007735200	0007749200	0007755700
5.500	140	6.50	165	18	457	0.375	9.5	0007731900	0007733600	0007735300	0007749300	0007755800
6.000	152	6.50	165	18	457	0.375	9.5	0007732000	0007733700	0007735400	0007749400	0007755900
6.500	165	6.50	165	18	457	0.375	9.5	0007732100	0007733800	0007735500	0007749500	0007756000
7.000	178	7.00	178	18	457	0.375	9.5	0007732200	0007733900	0007735600	0007749600	0007756100
7.500	190	7.00	178	18	457	0.375	9.5	0007732300	0007734000	0007735700	0007749700	0007756200
8.000	203	7.00	178	18	457	0.375	9.5	0007732400	0007734100	0007735800	0007749800	0007756300