

SHUR-KUT® Coated

Cartridge Rolls

Specially wrapped design produces new layers of fresh cutting action throughout life as top layers are worn away. For shaping, porting, finishing or polishing hard to reach areas. Cotton cloth acts as a cushion for polishing in finer grits. Many diameters are available to match or enlarge existing contours, while straight or tapered designs are also available for through holes or inside corner grinding.

Applications

- ▶ Long lasting grinding and shaping
- ▶ Polishing intricate contours or holes
- ▶ Shaping and rounding inside corner welds
- ▶ Porting and smoothing cast parts



CA CERAMIC STRAIGHT CARTRIDGE ROLLS

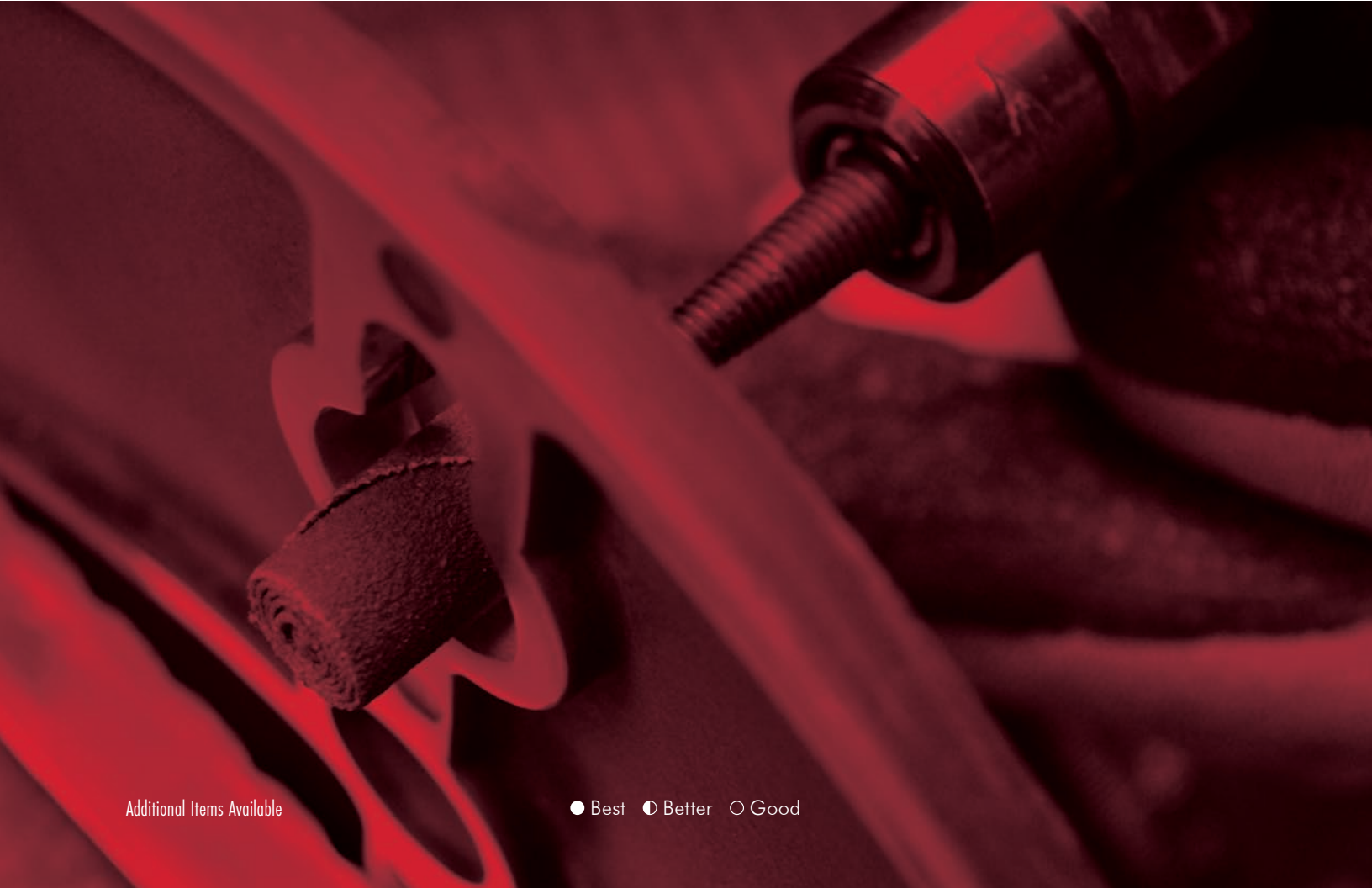
Self-sharpening grains continually produce fresh cutting points, reducing friction and prolonging cut rates. Additional grinding aid further reduces heat, extending life. Multiple layers wear away to expose fresh abrasive material, further extend life.

- ▶ Sharp grains cut easily through stainless steel and alloys
- ▶ Fine cut for refined finishing results
- ▶ Extended wear for reduced downtime



Diameter	Length	Pilot Hole	Max RPM	Optimal RPM	Std. Pkg.	60	80	120
1/4"	1"	1/8"	25,000	20,000	100	49490	48035	49491
1/4"	1-1/2"	1/8"	25,000	20,000	100	49100	49101	49102
3/8"	1-1/2"	1/8"	24,000	16,000	100	49103	47144	49104
1/2"	1-1/2"	1/8"	18,000	12,000	100	49105	49106	49107
3/4"	1-1/2"	3/16"	12,000	8,000	100	49492	49493	49494

Ferrous
 Non-Ferrous
 Stainless
 Exotic Alloys
 Plastics
 Composites



Additional Items Available

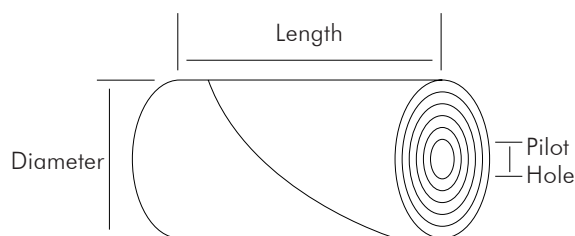
Best
 Better
 Good

ALUMINUM OXIDE STRAIGHT CARTRIDGE ROLLS

General purpose cutting action wears evenly and uniformly, producing a consistent cut on ferrous and non-ferrous metals. Use in straight holes or cylinders or around contoured parts.

- ▶ Remove or shape parts quickly
- ▶ Access intricate areas or small holes
- ▶ Deburr stamped parts

▶ Superior Support



Diameter	Length	Pilot Hole	Max RPM	Optimal RPM	Std. Pkg.	36	60	80	100	120	180	240	320
3/16"	1"	3/32"	25,000	20,000	100	-	18965	11860	18094	11861	18970	18803	18805
1/4"	1"	1/8"	25,000	20,000	100	-	11862	11863	11864	11865	11866	16984	16985
1/4"	1-1/2"	1/8"	25,000	20,000	100	-	11867	11868	11869	11870	11871	16719	16612
1/4"	2"	1/8"	25,000	20,000	100	-	19721	18666	19722	19723	-	19727	55291
5/16"	1"	1/8"	23,000	18,500	100	-	19732	16783	-	18874	17016	32086	49876
5/16"	1-1/2"	1/8"	23,000	18,500	100	-	19741	11872	28232	17068	37515	18567	19745
3/8"	1"	1/8"	24,000	16,000	100	-	11873	11874	19750	11875	11876	19752	17066
3/8"	1-1/2"	1/8"	24,000	16,000	100	-	11877	11878	11879	11880	11881	17160	16703
3/8"	2"	1/8"	24,000	16,000	100	-	21071	18665	21851	23006	-	25636	40828
1/2"	1"	1/8"	18,000	12,000	100	-	11882	11883	11884	11885	11886	18710	16986
1/2"	1-1/2"	1/8"	18,000	12,000	100	11887	11889	11890	11891	11892	11893	11894	11895
1/2"	2"	1/8"	18,000	12,000	100	18716	17167	16642	-	18475	16747	54244	52465
5/8"	1-1/2"	3/16"	15,000	9,500	100	45889	19799	19828	-	19830	-	46224	-
3/4"	1"	3/16"	12,000	8,000	100	-	19852	19853	19854	17007	-	-	-
3/4"	1"	1/4"	12,000	8,000	100	-	17061	16655	16713	16716	-	16717	16718
3/4"	1-1/2"	3/16"	12,000	8,000	100	19878	16069	16704	19880	19881	49284	19885	-
3/4"	1-1/2"	1/4"	12,000	8,000	100	18811	11896	11897	54042	11898	19889	16731	16732
3/4"	2"	1/4"	12,000	8,000	100	-	11899	11900	-	17120	16646	54408	54053
1"	1-1/2"	1/4"	9,000	6,000	100	16165	17006	18604	-	18946	53501	53987	-
1"	2"	1/4"	9,000	6,000	100	18347	11901	11902	16981	11903	-	52193	19977

● Ferrous ● Non-Ferrous ● Stainless ● Exotic Alloys ○ Plastics ○ Composites

● Best ● Better ○ Good



Ao ALUMINUM OXIDE FULL TAPERED CARTRIDGE ROLLS

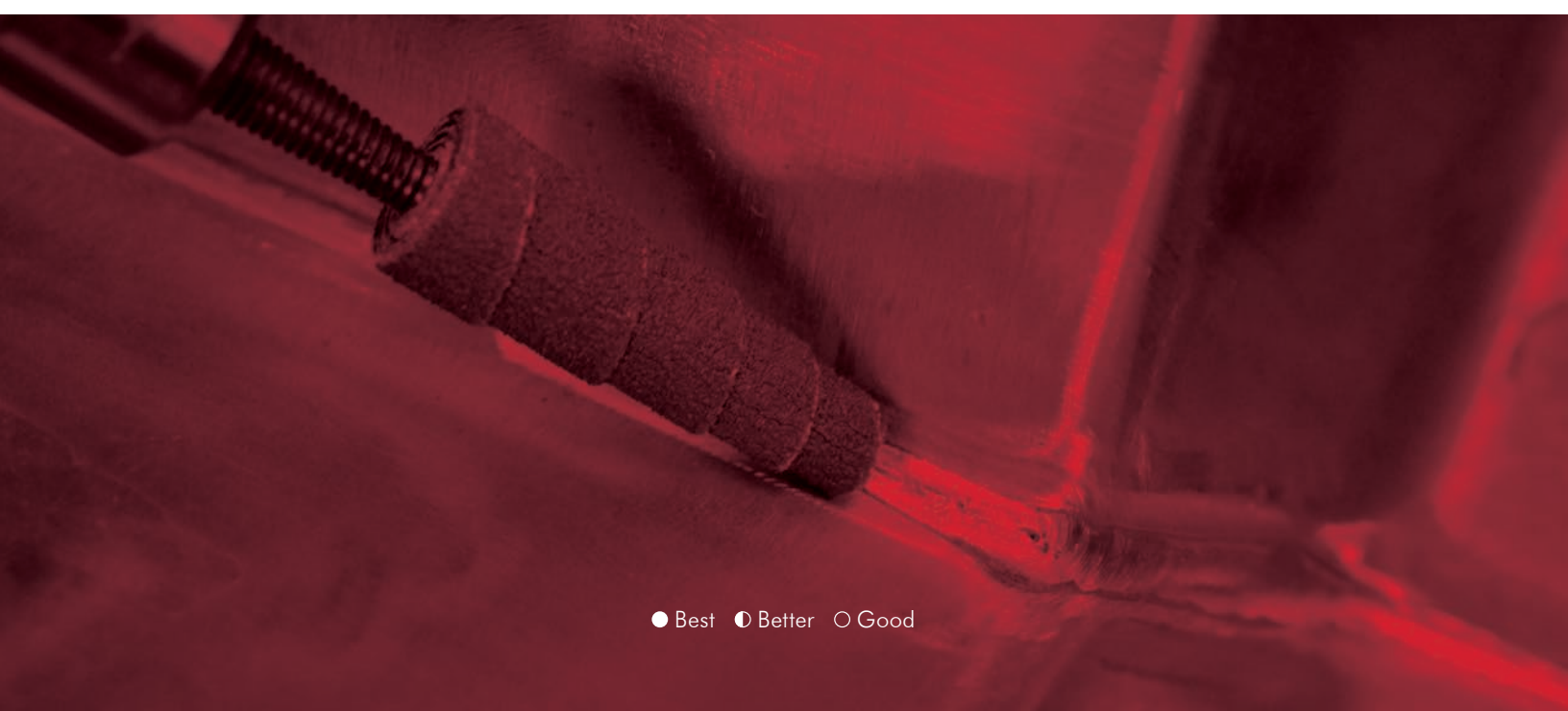
Tapered design provides more access and pointed control in concave areas or inside corners. Grind and follow acute seams and welds as the layers wear away to reveal fresh cutting action.

- ▶ Remove or smooth inside corner welds
- ▶ Port and shape concave areas
- ▶ Navigate intricate cast parts



Diameter	Length	Pilot Hole	Max RPM	Optimal RPM	Std. Pkg.	60	80	100	120	180	240	320
3/8"	1"	1/8"	24,000	16,000	100	11904	11905	17139	11906	11907	18585	17165
3/8"	1-1/2"	1/8"	24,000	16,000	100	11908	11909	18808	11910	11911	16029	18850
1/2"	1"	1/8"	18,000	12,000	100	11912	11913	30123	11914	11915	30126	30127
1/2"	1-1/2"	1/8"	18,000	12,000	100	11916	11917	17001	11918	11919	16987	16988
1/2"	2"	1/8"	18,000	12,000	100	16751	20099	-	30091	16841	-	-
5/8"	1-1/2"	3/16"	15,000	9,500	100	38597	16615	55282	44891	-	47486	-
3/4"	1-1/2"	3/16"	12,000	8,000	100	16993	16652	-	16624	-	-	-
1"	1-1/2"	3/16"	9,000	6,000	100	30341	30342	-	42845	-	-	-

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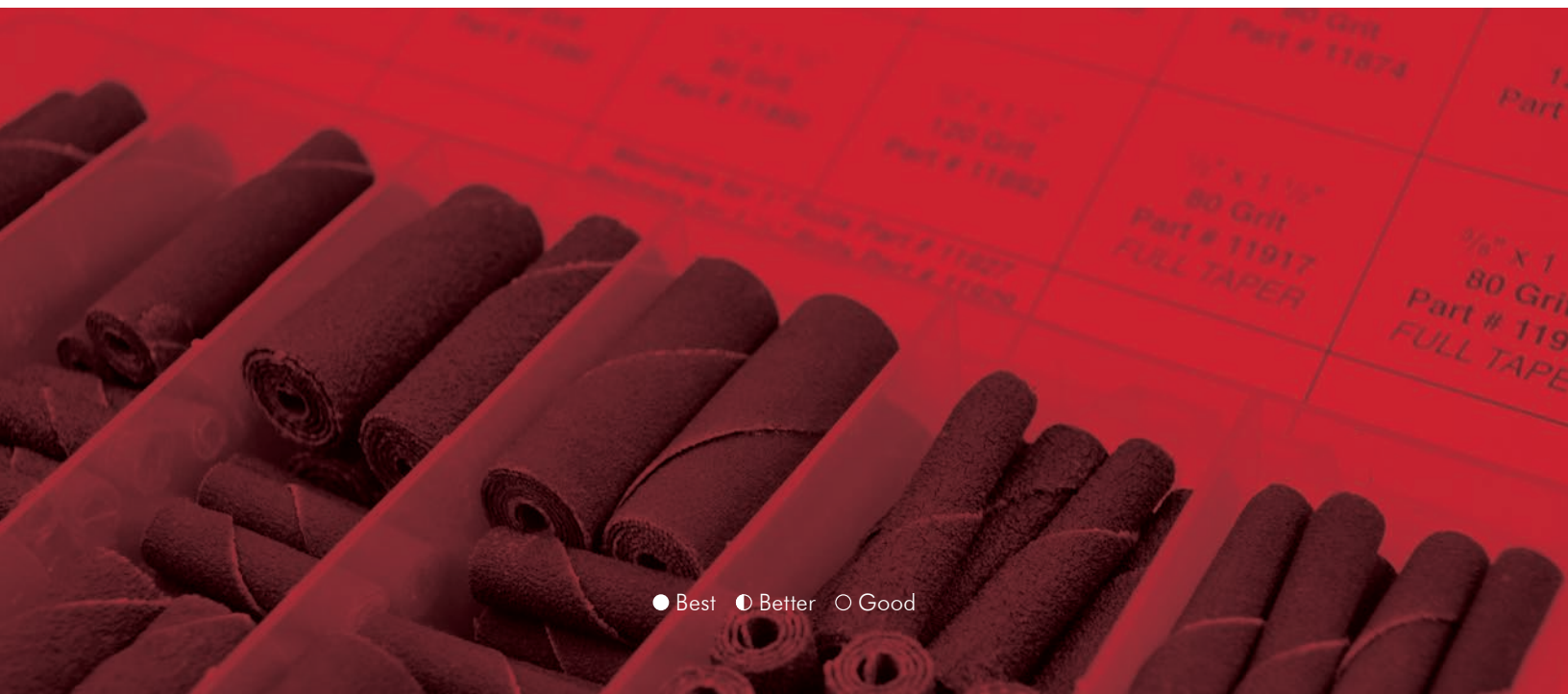
ALUMINUM OXIDE CARTRIDGE ROLL TEST KIT

Several popular sizes and grits included with associated mandrels, providing everything you need in one convenient cartridge roll test kit.



Diameter	Length	Pilot Hole	Shape	80	120	Std. Pkg.	Part #
1/4"	1"	1/8"	Straight	16	16	1	28802
1/4"	1-1/2"	1/8"	Straight	9	12		
3/8"	1"	1/8"	Straight	6	6		
3/8"	1-1/2"	1/8"	Straight	12	12		
1/2"	1-1/2"	1/8"	Straight	8	8		
3/8"	1-1/2"	1/8"	Tapered	6	-		
1/2"	1-1/2"	1/8"	Tapered	9	-		
For 1" Cartridge Rolls			Mandrel	1			
For 1-1/2" Cartridge Rolls			Mandrel	1			

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Best Better Good



CARTRIDGE ROLL MANDRELS

Used with portable die grinders, a tapered threaded shaft safely secures cartridge rolls to the mandrel. To ensure proper fitting, match the pilot dimensions.



► Superior Support

Roll Length	Proper Pilot Length
1"	3/4"
1-1/2"	1"
2"	1-1/2"

The diagram shows a cross-section of a mandrel with a wider 'Shank' section on the left and a narrower 'Pilot' section on the right. The pilot section is tapered to fit into a cartridge roll.

Pilot Diameter	Pilot Length	Shank Diameter	Shank Length	Overall Length	Max RPM	Std. Pkg.	Part #
5/64"	1"	1/8"	1"	3"	60,000	1	11920
3/32"	3/4"	1/8"	1"	2-3/4"	60,000	1	11921
3/32"	3/4"	1/4"	1"	2-3/4"	28,000	1	46934
3/32"	1"	1/4"	1"	3"	28,000	1	46933
1/8"	1/2"	1/4"	1"	2-1/4"	28,000	1	11926
1/8"	3/4"	1/8"	1"	2-3/4"	60,000	1	11923
1/8"	3/4"	1/4"	1"	2-1/2"	28,000	1	11927
1/8"	3/4"	1/4"	4-1/2"	6"	28,000	1	11928
1/8"	1"	1/8"	1"	3"	60,000	1	11924
1/8"	1"	1/4"	1"	2-3/4"	28,000	1	11929
1/8"	1"	1/4"	4-1/4"	6"	28,000	1	11930
1/8"	1"	1/4"	6-1/4"	8"	28,000	1	11931
1/8"	1-1/2"	1/8"	1"	3-1/2"	60,000	1	11925
1/8"	1-1/2"	1/4"	1"	3-1/4"	28,000	1	11932
3/16"	3/4"	1/4"	1-1/4"	2-3/4"	28,000	1	11934
3/16"	1"	1/4"	1-1/4"	3"	28,000	1	11935
3/16"	1"	1/4"	4-1/4"	6"	28,000	1	11936
3/16"	1-1/2"	1/4"	1-1/4"	3-1/2"	28,000	1	11937
1/4"	3/4"	1/4"	1-1/4"	2-3/4"	28,000	1	11939
1/4"	1"	1/4"	1-1/4"	3"	28,000	1	11940
1/4"	1"	1/4"	4-1/4"	6"	28,000	1	11941
1/4"	1-1/2"	1/4"	1-1/4"	3-1/2"	28,000	1	11942