

**CARTRIDGE ROLLS**

Even Cut cartridge rolls are produced by tightly wrapping abrasive materials around a close tolerance mandrel. The roll is removed from the mandrel and cured to secure the form. They are designed to be long lasting as fresh abrasive is exposed when the outer layer wears through. Available in straight, full taper and half taper versions, each of these styles is application or operator specific, and the choice of design is usually a function of the configuration of the part being machined. Used on hand held power tools, cartridge rolls are mounted on mandrels designed to securely hold the roll during operation.



**premium aluminum oxide material  
straight cartridge rolls**

dia. x length	mandrel size	grit													pkg qty
		36	40	50	60	80	100	120	150	180	220	240	320		
3/16" x 3/4"	3/32"			33715	37251	30240	33716	30387	33717	30623	30942	30435	30436	100	
3/16" x 1"	3/32"			33718	30167	30241	30383	30388	30526	30530	37291	30531	30534	100	
1/4" x 3/4"	1/8"				30155	30247	30316	30385	30455	30464		30605	30815	100	
1/4" x 1"	1/8"	30045	37160	30104	32073	30248	30319	30390	37221	30532	30603	30674	30816	100	
1/4" x 1-1/2"	1/8"	33719	37479	30122	30169	33877	30320	33878	37168	30533	30604	30675	30817	100	
1/4" x 2"	1/8"		30035	33721	30170	30246	30321	37239	30463	37011	37367	37238	32450	100	
5/16" x 1"	1/8"	30182		37203	30180	30251	30322	30393	33723	30535	33724	30677	37018	100	
5/16" x 1-1/2"	1/8"	30174		30175	30179	32386	30323	30394	30525	30536	30665		30694	100	
3/8" x 1"	1/8"	30036	37150	30915	30183	30254	30325	30396	30467	30607	30609	30950	30822	100	
3/8" x 1-1/2"	1/8"	34013	30043	30100	30184	30255	30326	33854	30468	30606	30679	30982	37005	100	
3/8" x 2"	1/8"	30038	30044	30110	30185	30256	30327	30951	30469	30608	33725	33726	33727	100	
3/8" x 2"	3/16"				30196	30265								100	
1/2" x 1"	1/8"	30006	37173	30107	30186	30257	30328	30399	30470	30541	30612	30683	30825	100	
1/2" x 1-1/2"	1/8"	30029	30046	30923	30187	30258	30937	37387	30471	30542	30616	30688	30911	100	
1/2" x 2"	1/8"	30001	30049	30109	30188	30260	30330	30401	30472	30569	30617	30684	37405	100	
1/2" x 2"	3/16"	30002	30914	30112	30191	30266	30333	30425	33728	30546		37468	33729	100	
1/2" x 2"	1/4"		30047	30114	30126	37156	33730	30404	30473	30545		33731		100	
5/8" x 1"	1/8"				32309	30263	32377					31060		100	
5/8" x 1"	3/16"	30051		30113	30119	30301	33732	37129	33733			30680	30830	100	
5/8" x 1-1/2"	1/8"		30052	30943	30193	30264	30335	31012	37166	30555	30560	30685	30832	100	
5/8" x 1-1/2"	3/16"	30050	30053	37155	30192	30959	30020	30409	33734	33735	30686		33736	100	
5/8" x 1-1/2"	1/4"						30338	30475						100	
5/8" x 2"	1/8"			37165	30197	30268		37167	30482				37336	100	
5/8" x 2"	3/16"	33738	37218	37467	30210	37523	33739	30414	33740	30552	33741	33742	33743	100	
5/8" x 2"	1/4"			33111	30195	32394		32396						100	
3/4" x 1"	1/8"	30007	30056		30198	30929	30340	30411	30479	30551	30564	30961	33745	100	
3/4" x 1"	3/16"	37015	33746	37016	30172	30273	30344	30415	30480	37531	34784	33747	34783	100	
3/4" x 1-1/2"	1/8"	30034	30058	30120	30199	30270	30341	30412	30483	30556	30566	32355		100	
3/4" x 1-1/2"	3/16"	30008	37280	30125	30203	30274	30350	30416	30484	30558	33748	30703		100	
3/4" x 1-1/2"	1/4"	33749	30059	30129	30207	37032	30349	30422	37423	30557	33750	37331	30478	100	
3/4" x 2"	1/8"		37560	30121	30200	30271	30342	30413	30486	30562		30704		100	
3/4" x 2"	3/16"	37164	30063	30128	30204	30275	30346	30417	37368	30559	30289	33751	33752	100	
3/4" x 2"	1/4"	30013	30065	30130	30208	30279	33800	33849	30485	30563		32453	30918	100	
1" x 1"	1/4"	30016	30077	33753	30218	30288	30352	30424	30501	30570				100	
1" x 1-1/2"	3/16"		30081		30213	30286								100	
1" x 1-1/2"	1/4"	32121		30141	30219	30916	30356	30432	30503	30571	30619		30906	100	
1" x 2"	3/16"	32352			32354	32428	32429	32430	32431					100	
1" x 2"	1/4"	33755	30076	30142	32279	30291	30359	30430	30502	30600				100	
1-1/2" x 1-1/2"	1/4"	30022		30163	30239	30310	30381	37297		37388		37352	37353	100	
1-1/2" x 2"	1/4"			30153	32375			32432						100	

**premium aluminum oxide material**  
full taper cartridge rolls

dia. x length	mandrel size	grit												pkg qty
		36	40	50	60	80	100	120	150	180	220	240	320	
3/8" x 1"	1/8"			34200	34300	34400	34500	30946	34700	34750	34800	34830	34900	100
3/8" x 1-1/2"	1/8"			34205	34302	34402	34505	34602	34705	34754	34805	34835	34901	100
3/8" x 2"	1/8"			34210	34304	34404		34604	34710	32522				100
1/2" x 1"	1/8"			34220	34306	34405	34515	34608	34720	34758	34810	34838	34910	100
1/2" x 1-1/2"	1/8"	37333		34031	34307	30956	34528	34612	31307	34762	34815	34840	34915	100
1/2" x 1-1/2"	3/16"	34015				37393		34614						100
1/2" x 2"	1/8"	33757		34235	34312	34416	34535	34618		34766	34816			100
5/8" x 1"	1/8"			34053	34418			34620		34768		34845		100
5/8" x 1-1/2"	1/8"			34240	34326	34422	34545	34624	34730	34770	33012	34850	34920	100
5/8" x 2"	1/8"			34250	34319	34426		34628					37335	100
3/4" x 1"	1/8"			34255	34330	34430	37201	34632	33777				34930	100
3/4" x 1"	3/16"			34630	34328	34431		34633		32318				100
3/4" x 1-1/2"	1/8"	34045	34140	30983	34334	34434	34550	34636	34735	34774	34820	37309	37310	100
3/4" x 1-1/2"	3/16"	34040		34265	34332	34435		34634		34778		34869	37117	100
3/4" x 2"	3/16"			34338	34440	32422	34640		34790	34825	37122			100
3/4" x 2"	1/4"			34275										100
1" x 1-1/2"	3/16"	34060		34285	34344	34444		34644		30974				100
1" x 1-1/2"	1/4"			34348	30947	34560	30958					34646	34448	100
1" x 2"	3/16"			34450			34648							100
1" x 2"	1/4"	34155		34299	34352	34452	37209	37184	34740	34798			34940	100



**mandrels**

pilot dia.	pilot length	shank dia.	eventcut part no.	pkg qty	pilot dia.	pilot length	shank dia.	eventcut part no.	pkg qty
3/32"	1/2"	1/4"	22017	1	3/16"	3/4"	1/4"	22156	1
3/32"	3/4"	1/4"	22015	1	3/16"	1"	1/4"	22166	1
3/32"	1"	1/4"	22016	1	3/16"	1-1/2"	1/4"	22176	1
1/8"	1/2"	1/4"	22076	1	3/16"	2"	1/4"	22186	1
1/8"	3/4"	1/4"	22086	1	1/4"	1/2"	1/4"	22196	1
1/8"	1"	1/4"	22096	1	1/4"	3/4"	1/4"	22206	1
1/8"	1-1/2"	1/4"	22106	1	1/4"	1"	1/4"	22216	1
1/8"	2"	1/4"	22116	1	1/4"	1-1/2"	1/4"	22226	1
3/16"	1/2"	1/4"	22146	1	1/4"	2"	1/4"	22236	1

**safe operating speeds**  
cartridge rolls

diameter	maximum RPM
1/8" x 1" thru 1/2" x 2"	26,000 rpm
5/8" x 1" thru 3/4" x 1-1/2"	18,000 rpm
1" x 1" thru 1" x 2"	15,000 rpm

