



Cylinder Shape - No End Cut

- Universal surface grinding
- L2 = 2" OAL, L3 = 3" OAL
- L6 = 6" Shank Length
- Single Cut = Finishing
- Double Cut = Material Removal
- Aluma Cut = Non-Ferrous



Single Cut



Double Cut



Aluma Cut



STEEL			STAINLESS		CAST IRON		NON-FERROUS		HSSA		HARDENED STEEL	
P1	P2	P3	M1	M2	K1	K2	N1	N2	S1	S2	H1	H2
○	○	○	○	○	○	○	○	○	○	○	○	○

● Best ○ Good

Series 310A SA | Cylinder Shape | No End Cut

Tool	Diameter(D ₁)	LOC(L ₁)	Shank(D)	Single Cut	Double Cut	Aluma Cut
SA-41	1/16	1/4	1/8	310-001002	310-002002	-
SA-41 L2	1/16	1/4	1/8	310-001002B	310-002002B	-
SA-41 L3	1/16	1/4	1/8	310-00100C	310-002002C	-
SA-61	1/16	1/4	3/32	310-001001	310-002001	-
SA-42	3/32	7/16	1/8	310-001004	310-002004	-
SA-42 L2	3/32	7/16	1/8	310-001004B	310-002004B	-
SA-42 L3	3/32	7/16	1/8	310-001004A	310-002004A	-
SA-63	3/32	3/8	3/32	310-001007	310-002007	-
SA-11	1/8	1/2	1/4	310-001005C	310-002005C	-
SA-12	1/8	5/8	1/4	310-001005D	310-002005D	-
SA-43	1/8	9/16	1/8	310-001006	310-002006	-
SA-43 L2	1/8	9/16	1/8	310-006025	310-006050	-
SA-43 L3	1/8	9/16	1/8	310-002631	310-002066A	-
SA-13	5/32	5/8	1/4	310-001009	310-002009C	-
SA-52	5/32	1/2	1/8	310-001008	310-002008	-
SA-14	3/16	5/8	1/4	310-001012C	310-002012C	-
SA-53	3/16	1/2	1/8	310-001010	310-002010	-
SA-81	3/16	5/8	3/16	310-001011	310-002011	-
SA-1 L6	1/4	1/2	1/4	310-002601	310-002701	-
SA-1	1/4	5/8	1/4	310-001017C	310-002017C	-
SA-1NF	1/4	5/8	1/4	-	-	310-002518
SA-1L	1/4	1	1/4	310-001936	310-002936	-
SA-51	1/4	1/2	1/8	310-001015	310-002015	-
SA-2	5/16	3/4	1/4	310-001018	310-002018	-
SA-3	3/8	3/4	1/4	310-001019	310-002019	-
SA-3 L6	3/8	3/4	1/4	310-002602	310-002702A	-
SA-3NF	3/8	3/4	1/4	-	-	310-002500
SA-3L	3/8	1	1/4	310-001937	310-002937	-
SA-3X	3/8	1-1/2	1/4	310-001702X	310-002702X	-
SA-4	7/16	1	1/4	310-001020	310-002020	-
SA-5	1/2	1	1/4	310-001021	310-002021	-
SA-5 L6	1/2	1	1/4	310-002603	310-002703	-
SA-5NF	1/2	1	1/4	-	-	310-002501
SA-6	5/8	1	1/4	310-001022	310-002022	-
SA-6NF	5/8	1	1/4	-	-	310-002502
SA-15	3/4	1/2	1/4	310-001023	310-002023	-
SA-16	3/4	3/4	1/4	310-001024	310-002024	-
SA-7	3/4	1	1/4	310-001025	310-002025	-
SA-7NF	3/4	1	1/4	-	-	310-002539
SA-8	7/8	1	1/4	310-001025A	310-002025A	-
SA-9	1	1	1/4	310-001026	310-002026	-

*bold numbers are EDPs for ordering

Series 310A - 310N

GP | Carbide Burrs

Burr Diameter	Minimum RPM	Medium RPM	Maximum RPM (Stainless)
1/16	50000	75000	100000
1/8	30000	60000	90000
3/16	25000	50000	75000
1/4	20000	40000	65000
5/16	15000	35000	60000
3/8	15000	35000	60000
7/16	15000	35000	60000
1/2	10000	30000	80000
5/8	10000	30000	50000
3/4	10000	20000	35000
1	5000	15000	30000

Industry Designation	Shape	Application
SA	Cylinder	Universal Surface Grinding
SB	Cylinder with End Cut	Blind holes & Inner Contours
SC	Cylinder with Radius	Contouring & Bore holes
SD	Ball	Contouring & Bore holes
SE	Oval / Egg	Molds & Fillet Welds
SF	Radius Tree	Molds & Contouring
SG	Pointed Tree	Chamfering & Bore Holes
SH	Flame	Molds & Contouring
SJ	60° Cone	Chamfering & Beveling & Countersinking
SK	90° Cone	Chamfering & Beveling & Countersinking
SL	Taper with Radius	Contouring & Difficult to Access Areas
SM	Pointed Cone	Conical Holes & Grooves & Model Building
SN	Inverted Cone	Inner Edges & Conical Profiles