



**Standard Length Ball End Mills**  
**4 Flute, 30 Degree Helix, Center Cutting**  
**Solid Carbide End Mills**

**4 Flute - Ball**

**Effective February 1, 2021**

Inquire if size not listed

<b>Part Number</b>	<b>Number of Flutes</b>	<b>Type</b>	<b>Shape</b>	<b>Description (Cut x Shank x L.O.C. x O.A.L. )</b>	<b>Coating</b>	<b>Product Type</b>	<b>List Price</b>
NC64002	4	General Purpose	Ball	1/32 x 1/8 x 3/32 x 1-1/2	Uncoated	Solid Carbide End Mill	\$13.72
NC64002T	4	General Purpose	Ball	1/32 x 1/8 x 3/32 x 1-1/2	TICN	Solid Carbide End Mill	\$17.83
NC64002A	4	General Purpose	Ball	1/32 x 1/8 x 3/32 x 1-1/2	ALTIN	Solid Carbide End Mill	\$17.83
NC64003	4	General Purpose	Ball	3/64 x 1/8 x 1/8 x 1-1/2	Uncoated	Solid Carbide End Mill	\$13.72
NC64003T	4	General Purpose	Ball	3/64 x 1/8 x 1/8 x 1-1/2	TICN	Solid Carbide End Mill	\$17.83
NC64003A	4	General Purpose	Ball	3/64 x 1/8 x 1/8 x 1-1/2	ALTIN	Solid Carbide End Mill	\$17.83
NC64004	4	General Purpose	Ball	1/16 x 1/8 x 3/16 x 1-1/2	Uncoated	Solid Carbide End Mill	\$12.73
NC64004T	4	General Purpose	Ball	1/16 x 1/8 x 3/16 x 1-1/2	TICN	Solid Carbide End Mill	\$17.16
NC64004A	4	General Purpose	Ball	1/16 x 1/8 x 3/16 x 1-1/2	ALTIN	Solid Carbide End Mill	\$17.16
NC64005	4	General Purpose	Ball	5/64 x 1/8 x 3/16 x 1-1/2	Uncoated	Solid Carbide End Mill	\$12.73
NC64005T	4	General Purpose	Ball	5/64 x 1/8 x 3/16 x 1-1/2	TICN	Solid Carbide End Mill	\$17.16
NC64005A	4	General Purpose	Ball	5/64 x 1/8 x 3/16 x 1-1/2	ALTIN	Solid Carbide End Mill	\$17.16
NC64006	4	General Purpose	Ball	3/32 x 1/8 x 3/8 x 1-1/2	Uncoated	Solid Carbide End Mill	\$13.34
NC64006T	4	General Purpose	Ball	3/32 x 1/8 x 3/8 x 1-1/2	TICN	Solid Carbide End Mill	\$16.97
NC64006A	4	General Purpose	Ball	3/32 x 1/8 x 3/8 x 1-1/2	ALTIN	Solid Carbide End Mill	\$16.97
NC64007	4	General Purpose	Ball	7/64 x 1/8 x 3/8 x 1-1/2	Uncoated	Solid Carbide End Mill	\$13.34
NC64007T	4	General Purpose	Ball	7/64 x 1/8 x 3/8 x 1-1/2	TICN	Solid Carbide End Mill	\$16.97

NC64007A	4	General Purpose	Ball	7/64 x 1/8 x 3/8 x 1-1/2	ALTIN	Solid Carbide End Mill	\$16.97
NC64008	4	General Purpose	Ball	1/8 x 1/8 x 1/2 x 1-1/2	Uncoated	Solid Carbide End Mill	\$12.22
NC64008T	4	General Purpose	Ball	1/8 x 1/8 x 1/2 x 1-1/2	TICN	Solid Carbide End Mill	\$16.51
NC64008A	4	General Purpose	Ball	1/8 x 1/8 x 1/2 x 1-1/2	ALTIN	Solid Carbide End Mill	\$16.51
NC64009	4	General Purpose	Ball	9/64 x 3/16 x 9/16 x 2	Uncoated	Solid Carbide End Mill	\$17.91
NC64009T	4	General Purpose	Ball	9/64 x 3/16 x 9/16 x 2	TICN	Solid Carbide End Mill	\$20.01
NC64009A	4	General Purpose	Ball	9/64 x 3/16 x 9/16 x 2	ALTIN	Solid Carbide End Mill	\$20.01
NC64010	4	General Purpose	Ball	5/32 x 3/16 x 9/16 x 2	Uncoated	Solid Carbide End Mill	\$17.91
NC64010T	4	General Purpose	Ball	5/32 x 3/16 x 9/16 x 2	TICN	Solid Carbide End Mill	\$20.01
NC64010A	4	General Purpose	Ball	5/32 x 3/16 x 9/16 x 2	ALTIN	Solid Carbide End Mill	\$20.01
NC64011	4	General Purpose	Ball	11/64 x 3/16 x 9/16 x 2	Uncoated	Solid Carbide End Mill	\$17.91
NC64011T	4	General Purpose	Ball	11/64 x 3/16 x 9/16 x 2	TICN	Solid Carbide End Mill	\$20.01
NC64011A	4	General Purpose	Ball	11/64 x 3/16 x 9/16 x 2	ALTIN	Solid Carbide End Mill	\$20.01
NC64012	4	General Purpose	Ball	3/16 x 3/16 x 5/8 x 2	Uncoated	Solid Carbide End Mill	\$16.13
NC64012T	4	General Purpose	Ball	3/16 x 3/16 x 5/8 x 2	TICN	Solid Carbide End Mill	\$21.77
NC64012A	4	General Purpose	Ball	3/16 x 3/16 x 5/8 x 2	ALTIN	Solid Carbide End Mill	\$21.77
NC64013	4	General Purpose	Ball	13/64 x 1/4 x 5/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$23.25
NC64013T	4	General Purpose	Ball	13/64 x 1/4 x 5/8 x 2-1/2	TICN	Solid Carbide End Mill	\$28.62
NC64013A	4	General Purpose	Ball	13/64 x 1/4 x 5/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$28.62
NC64014	4	General Purpose	Ball	7/32 x 1/4 x 5/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$23.25
NC64014T	4	General Purpose	Ball	7/32 x 1/4 x 5/8 x 2-1/2	TICN	Solid Carbide End Mill	\$28.62
NC64014A	4	General Purpose	Ball	7/32 x 1/4 x 5/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$28.62
NC64015	4	General Purpose	Ball	15/64 x 1/4 x 3/4 x 2-1/2	Uncoated	Solid Carbide End Mill	\$23.25
NC64015T	4	General Purpose	Ball	15/64 x 1/4 x 3/4 x 2-1/2	TICN	Solid Carbide End Mill	\$28.62
NC64015A	4	General Purpose	Ball	15/64 x 1/4 x 3/4 x 2-1/2	ALTIN	Solid Carbide End Mill	\$28.62
NC64016	4	General Purpose	Ball	1/4 x 1/4 x 3/4 x 2-1/2	Uncoated	Solid Carbide End Mill	\$21.90
NC64016T	4	General Purpose	Ball	1/4 x 1/4 x 3/4 x 2-1/2	TICN	Solid Carbide End Mill	\$26.54
NC64016A	4	General Purpose	Ball	1/4 x 1/4 x 3/4 x 2-1/2	ALTIN	Solid Carbide End Mill	\$26.54
NC64017	4	General Purpose	Ball	17/64 x 5/16 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$29.62
NC64017T	4	General Purpose	Ball	17/64 x 5/16 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$34.45
NC64017A	4	General Purpose	Ball	17/64 x 5/16 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$34.45
NC64018	4	General Purpose	Ball	9/32 x 5/16 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$29.62
NC64018T	4	General Purpose	Ball	9/32 x 5/16 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$34.45
NC64018A	4	General Purpose	Ball	9/32 x 5/16 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$34.45

NC64019	4	General Purpose	Ball	19/64 x 5/16 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$29.62
NC64019T	4	General Purpose	Ball	19/64 x 5/16 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$34.45
NC64019A	4	General Purpose	Ball	19/64 x 5/16 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$34.45
NC64020	4	General Purpose	Ball	5/16 x 5/16 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$27.30
NC64020T	4	General Purpose	Ball	5/16 x 5/16 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$35.10
NC64020A	4	General Purpose	Ball	5/16 x 5/16 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$35.10
NC64021	4	General Purpose	Ball	21/64 x 3/8 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$37.51
NC64021T	4	General Purpose	Ball	21/64 x 3/8 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$39.80
NC64021A	4	General Purpose	Ball	21/64 x 3/8 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$39.80
NC64022	4	General Purpose	Ball	11/32 x 3/8 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$37.51
NC64022T	4	General Purpose	Ball	11/32 x 3/8 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$39.80
NC64022A	4	General Purpose	Ball	11/32 x 3/8 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$39.80
NC64023	4	General Purpose	Ball	23/64 x 3/8 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$37.51
NC64023T	4	General Purpose	Ball	23/64 x 3/8 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$39.80
NC64023A	4	General Purpose	Ball	23/64 x 3/8 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$39.80
NC64024	4	General Purpose	Ball	3/8 x 3/8 x 7/8 x 2-1/2	Uncoated	Solid Carbide End Mill	\$32.35
NC64024T	4	General Purpose	Ball	3/8 x 3/8 x 7/8 x 2-1/2	TICN	Solid Carbide End Mill	\$38.84
NC64024A	4	General Purpose	Ball	3/8 x 3/8 x 7/8 x 2-1/2	ALTIN	Solid Carbide End Mill	\$38.84
NC64028	4	General Purpose	Ball	7/16 x 7/16 x 1 x 2-3/4	Uncoated	Solid Carbide End Mill	\$43.23
NC64028T	4	General Purpose	Ball	7/16 x 7/16 x 1 x 2-3/4	TICN	Solid Carbide End Mill	\$52.42
NC64028A	4	General Purpose	Ball	7/16 x 7/16 x 1 x 2-3/4	ALTIN	Solid Carbide End Mill	\$52.42
NC64032	4	General Purpose	Ball	1/2 x 1/2 x 1 x 3	Uncoated	Solid Carbide End Mill	\$59.30
NC64032T	4	General Purpose	Ball	1/2 x 1/2 x 1 x 3	TICN	Solid Carbide End Mill	\$64.83
NC64032A	4	General Purpose	Ball	1/2 x 1/2 x 1 x 3	ALTIN	Solid Carbide End Mill	\$64.83
NC64034	4	General Purpose	Ball	5/8 x 5/8 x 1-1/4 x 3-1/2	Uncoated	Solid Carbide End Mill	\$90.23
NC64034T	4	General Purpose	Ball	5/8 x 5/8 x 1-1/4 x 3-1/3	TICN	Solid Carbide End Mill	\$116.30
NC64034A	4	General Purpose	Ball	5/8 x 5/8 x 1-1/4 x 3-1/3	ALTIN	Solid Carbide End Mill	\$116.30
NC64036	4	General Purpose	Ball	3/4 x 3/4 x 1-1/2 x 4	Uncoated	Solid Carbide End Mill	\$132.85
NC64036T	4	General Purpose	Ball	3/4 x 3/4 x 1-1/2 x 4	TICN	Solid Carbide End Mill	\$173.10
NC64036A	4	General Purpose	Ball	3/4 x 3/4 x 1-1/2 x 4	ALTIN	Solid Carbide End Mill	\$173.10
NC64040	4	General Purpose	Ball	1 x 1 x 1-1/2 x 4	Uncoated	Solid Carbide End Mill	\$207.71
NC64040T	4	General Purpose	Ball	1 x 1 x 1-1/2 x 4	TICN	Solid Carbide End Mill	\$238.91
NC64040A	4	General Purpose	Ball	1 x 1 x 1-1/2 x 4	ALTIN	Solid Carbide End Mill	\$238.91

