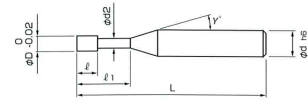




ALZ345

3-Flute Power "Z" End Mill for Aluminium



Number of Flute : 3

Helix Angle : 45°

Material : Regular Grain Carbide

- Improve drilling performance by fine chip disposal efficiency.
- Expanded dia. Size Variation, Total 111 size.

Code No.	Dia. (D)	Length of Cut (ℓ)	Effective Length (ℓ 1)	Overall Length (L)	Shank Dia. (d)	Neck Dia. (d2)	Neck Taper Angle (γ)
NS05671	1	1.5	3	45	4	0.95	12°
NS08837	1.1	1.7	3.3	45	4	1.05	12°
NS08838	1.2	1.8	3.6	45	4	1.15	12°
NS08839	1.3	2	3.9	45	4	1.25	12°
NS08840	1.4	2.1	4.2	45	4	1.35	12°
NS08841	1.5	2.3	4.5	45	4	1.45	12°
NS08842	1.6	2.4	4.8	45	4	1.55	12°
NS08843	1.7	2.6	5.1	45	4	1.65	12°
NS08844	1.8	2.7	5.4	45	4	1.74	12°
NS08845	1.9	2.9	5.7	45	4	1.84	12°
NS05672	2	3	6	45	4	1.94	12°
NS08846	2.1	3.2	6.3	45	4	2	12°
NS08847	2.2	3.3	6.6	45	4	2.1	12°
NS08848	2.3	3.5	6.9	45	4	2.2	12°
NS08849	2.4	3.6	7.2	45	4	2.3	12°
NS08850	2.5	3.8	7.5	45	4	2.4	12°
NS08851	2.6	3.9	7.8	55	6	2.45	12°
NS08852	2.7	4.1	8.1	55	6	2.55	12°
NS08853	2.8	4.2	8.4	5	6	2.65	12°
NS08854	2.9	4.4	8.7	55	6	2.75	12°
NS05673	3	4.5	9	50	6	2.85	12°
NS08855	3.1	4.7	9.3	55	6	2.95	12°
NS08856	3.2	4.8	9.6	55	6	3.05	12°
NS08857	3.3	5	9.9	55	6	3.15	12°
NS08858	3.4	5.1	10.2	55	6	3.25	12°
NS08859	3.5	5.3	10.5	55	6	3.35	12°
NS08860	3.6	5.4	10.8	55	6	3.45	12°
NS08861	3.7	5.6	11.1	55	6	3.55	12°
NS08862	3.8	5.7	11.4	55	6	3.65	12°
NS08863	3.9	5.9	11.7	55	6	3.75	12°
NS05674	4	6	12	50	6	3.8	12°
NS08864	4.1	6.2	12.3	55	6	3.9	12°
NS08865	4.2	6.3	12.6	55	6	4	12°
NS08866	4.3	6.5	12.9	55	6	4.1	12°
NS08867	4.4	6.6	13.2	55	6	4.2	12°
NS08868	4.5	6.8	13.5	55	6	4.3	12°
NS08869	4.6	6.9	13.8	55	6	4.4	12°
NS08870	4.7	7.1	14.1	55	6	4.5	12°
NS08871	4.8	7.2	14.4	55	6	4.6	12°
NS08872	4.9	7.4	14.7	55	6	4.7	12°
NS05675	5	7.5	15	55	6	4.8	12°
NS08873	5.1	7.7	15.3	55	6	4.9	12°
NS08874	5.2	7.8	15.6	55	6	5	12°
NS08875	5.3	8	15.9	55	6	5.1	12°
NS08876	5.4	8.1	16.2	55	6	5.2	12°
NS08877	5.5	8.3	16.5	55	6	5.3	12°
NS08878	5.6	8.4	16.8	55	6	5.4	12°
NS08879	5.7	8.6	17.1	55	6	5.5	12°
NS08880	5.8	8.7	17.4	55	6	5.6	12°
NS08881	5.9	8.9	17.7	55	6	5.7	12°
NS05676	6	9	18	60	6	5.8	-
NS08882	6.1	9.2	18.3	70	8	5.9	12°

Code No.	Dia. (D)	Length of Cut (ℓ)	Effective Length (ℓ 1)	Overall Length (L)	Shank Dia. (d)	Neck Dia. (d2)	Neck Taper Angle (γ)
NS08883	6.2	9.3	18.6	70	8	6	12°
NS08884	6.3	9.5	18.9	70	8	6.1	12°
NS08885	6.4	9.6	19.2	70	8	6.2	12°
NS08886	6.5	9.8	19.5	70	8	6.3	12°
NS08887	6.6	9.9	19.8	70	8	6.4	12°
NS08888	6.7	10.1	20.1	70	8	6.5	12°
NS08889	6.8	10.2	20.4	70	8	6.6	12°
NS08890	6.9	10.4	20.7	70	8	6.7	12°
NS05677	7	10.5	21	70	8	6.8	12°
NS08891	7.1	10.7	21.3	70	8	6.9	12°
NS08892	7.2	10.8	21.6	70	8	7	12°
NS08893	7.3	11	21.9	70	8	7.1	12°
NS08894	7.4	11.1	22.2	70	8	7.2	12°
NS08895	7.5	11.3	22.5	70	8	7.3	12°
NS08896	7.6	11.4	22.8	70	8	7.4	12°
NS08897	7.7	11.6	23.1	70	8	7.5	12°
NS08898	7.8	11.7	23.4	70	8	7.6	12°
NS08899	7.9	11.9	23.7	70	8	7.7	12°
NS05678	8	12	24	70	8	7.8	-
NS08900	8.1	12.2	24.3	75	10	7.9	12°
NS08901	8.2	12.3	24.6	75	10	8	12°
NS08902	8.3	12.5	24.9	75	10	8.1	12°
NS08903	8.4	12.6	25.2	75	10	8.2	12°
NS08904	8.5	12.8	25.5	75	10	8.3	12°
NS08905	8.6	12.9	25.8	75	10	8.4	12°
NS08906	8.7	13.1	26.1	75	10	8.5	12°
NS08907	8.8	13.2	26.4	75	10	8.6	12°
NS08908	8.9	13.4	26.7	75	10	8.7	12°
NS05679	9	13.5	27	75	10	8.8	12°
NS08909	9.1	13.7	27.3	75	10	8.9	12°
NS08910	9.2	13.8	27.6	75	10	9	12°
NS08911	9.3	14	27.9	75	10	9.1	12°
NS08912	9.4	14.1	28.2	75	10	9.2	12°
NS08913	9.5	14.3	28.5	75	10	9.3	12°
NS08914	9.6	14.4	28.8	75	10	9.4	12°
NS08915	9.7	14.6	29.1	75	10	9.5	12°
NS08916	9.8	14.7	29.4	75	10	9.6	12°
NS08917	9.9	14.9	29.7	75	10	9.7	12°
NS05680	10	15	30	75	10	9.8	-
NS08918	10.1	15.2	30.3	80	12	9.9	12°
NS08919	10.2	15.3	30.6	80	12	10	12°
NS08920	10.3	15.5	30.9	80	12	10.1	12°
NS08921	10.4	15.6	31.2	80	12	10.2	12°
NS08922	10.5	15.8	31.5	80	12	10.3	12°
NS08923	10.6	15.9	31.8	80	12	10.4	12°
NS08924	10.7	16.1	32.1	80	12	10.5	12°
NS08925	10.8	16.2	32.4	80	12	10.6	12°
NS08926	10.9	16.4	32.7	80	12	10.7	12°
NS05681	11	16.5	33	80	12	10.8	12°
NS08927	11.1	16.7	33.3	80	12	10.9	12°
NS08928	11.2	16.8	33.6	80	12	11	12°
NS08929	11.3	17	33.9	80	12	11.1	12°

END MILL

DRILL

REAMER

CUTTER

TAP

ALZ345

3-Flute Power "Z" End Mill for Aluminium



Code No.	Dia. (D)	Length of Cut (ℓ)	Effective Length (ℓ 1)	Overall Length (L)	Shank Dia. (d)	Neck Dia. (d2)	Neck Taper Angle (γ)
NS08930	11.4	17.1	34.2	80	12	11.2	12°
NS08931	11.5	17.3	34.5	80	12	11.3	12°
NS08932	11.6	17.4	34.8	80	12	11.4	12°
NS08933	11.7	17.6	35.1	80	12	11.5	12°
NS08934	11.8	17.7	35.4	80	12	11.6	12°
NS08935	11.9	17.9	35.7	80	12	11.7	12°
NS05682	12	18	36	80	12	11.8	-

END MILL

DRILL

REAMER

CUTTER

TAP