

A Brand AE-LNBD-N



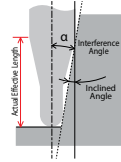
Advanced Performance Long Neck, Ball Nose End Mills for Non-Ferrous Materials

List 8990



SPEED FEED 1471-1472	CARBIDE	DLC-IUSS	2 FLUTE	30°	SHANK h4	STUB	PACKED 1 PIECE
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A BRAND AE-LNBD-N, Long Neck, Rib Processing

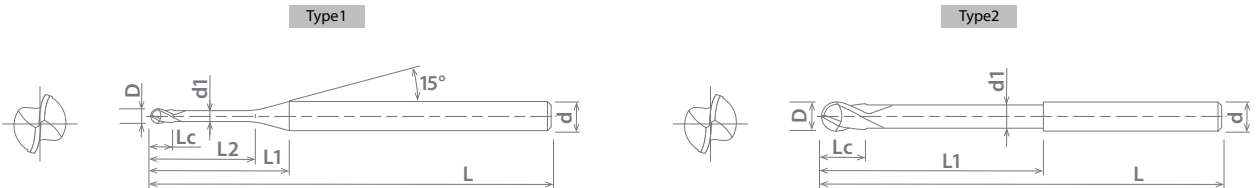


Note: If there is no value in the relative Effective Neck Length by Incline Angle column, it indicates no interference.

Radius Tolerance	
0.1mm ≤ D ≤ 0.4mm	+/- 0.002mm
0.5mm ≤ D ≤ 3mm	+/- 0.003mm
4mm ≤ D ≤ 6mm	+/- 0.004mm

EDP Number	Diameter	Length of Cut	Neck Length	Non-Taper Neck Length	Neck Diameter	Interference Angle	Effective Neck Length by Incline Angle					Overall Length	Shank Diameter	Type	
							0.5° (mm)	1.0° (mm)	1.5° (mm)	2.0° (mm)	3.0° (mm)				
3056370	▲	0.10	0.08	7.60	0.30	0.09	14.52	0.30	0.31	0.32	0.33	0.36	45.00	4.00	1
3056371	▲	0.10	0.08	7.80	0.50	0.09	14.07	0.53	0.56	0.59	0.62	0.67	45.00	4.00	1
3056372	▲	0.15	0.12	7.50	0.30	0.14	14.55	0.30	0.31	0.32	0.33	0.35	45.00	4.00	1
3056373	▲	0.15	0.12	7.70	0.50	0.14	14.12	0.52	0.55	0.58	0.60	0.65	45.00	4.00	1
3056374	▲	0.15	0.12	8.20	1.00	0.14	13.29	1.05	1.10	1.14	1.18	1.27	45.00	4.00	1
3056375	▲	0.20	0.16	7.40	0.30	0.19	14.59	0.30	0.31	0.32	0.33	0.34	45.00	4.00	1
3056376	▲	0.20	0.16	7.60	0.50	0.19	14.12	0.53	0.56	0.58	0.61	0.66	45.00	4.00	1
3056377	▲	0.20	0.16	8.10	1.00	0.19	13.28	1.06	1.11	1.15	1.19	1.28	45.00	4.00	1
3056378	▲	0.20	0.16	8.60	1.50	0.19	12.53	1.58	1.65	1.70	1.76	1.90	45.00	4.00	1
3056379	●	0.30	0.24	7.50	0.60	0.29	14.02	0.63	0.65	0.68	0.70	0.75	45.00	4.00	1
3056380	▲	0.30	0.24	7.90	1.00	0.29	13.33	1.05	1.09	1.13	1.17	1.25	45.00	4.00	1
3056381	▲	0.30	0.24	8.40	1.50	0.29	12.56	1.57	1.63	1.68	1.74	1.87	45.00	4.00	1
3056382	●	0.30	0.24	8.90	2.00	0.29	11.87	2.09	2.16	2.24	2.32	2.49	45.00	4.00	1
3056383	▲	0.40	0.30	7.70	1.00	0.38	13.38	1.04	1.08	1.11	1.15	1.23	45.00	4.00	1
3056384	●	0.40	0.30	8.70	2.00	0.38	11.87	2.08	2.15	2.22	2.30	2.47	45.00	4.00	1
3056385	▲	0.40	0.30	9.70	3.00	0.38	10.66	3.12	3.22	3.33	3.45	3.47	45.00	4.00	1
3056386	▲	0.40	0.30	10.70	4.00	0.38	9.68	4.15	4.29	4.44	4.60	4.95	45.00	4.00	1
3056387	●	0.50	0.40	7.60	1.00	0.48	13.43	1.03	1.07	1.10	1.13	1.20	45.00	4.00	1
3056388	●	0.50	0.40	8.60	2.00	0.48	11.87	2.07	2.14	2.21	2.28	2.45	45.00	4.00	1
3056389	●	0.50	0.40	9.60	3.00	0.48	10.63	3.11	3.21	3.32	3.43	3.69	45.00	4.00	1
3056390	▲	0.50	0.40	10.60	4.00	0.48	9.63	4.14	4.28	4.42	4.58	4.93	45.00	4.00	1
3056391	▲	0.50	0.40	11.60	5.00	0.48	8.79	5.18	5.35	5.53	5.73	6.18	45.00	4.00	1
3056392	▲	0.60	0.50	7.30	1.00	0.55	13.50	1.02	1.05	1.07	1.10	1.17	45.00	4.00	1
3056393	▲	0.60	0.50	8.30	2.00	0.55	11.89	2.06	2.12	2.18	2.25	2.41	45.00	4.00	1
3056394	●	0.60	0.50	9.30	3.00	0.55	10.62	3.09	3.19	3.29	3.40	3.66	45.00	4.00	1
3056395	▲	0.60	0.50	10.30	4.00	0.55	9.59	4.12	4.26	4.40	4.55	4.90	45.00	4.00	1
3056396	▲	0.60	0.50	11.30	5.00	0.55	8.74	5.16	5.33	5.51	5.70	6.14	45.00	4.00	1
3056397	▲	0.60	0.50	12.30	6.00	0.55	8.02	6.19	6.40	6.62	6.85	7.39	45.00	4.00	1
3056398	●	0.80	0.60	8.00	2.00	0.75	11.87	2.05	2.11	2.17	2.24	2.39	45.00	4.00	1
3056399	▲	0.80	0.60	9.10	3.00	0.75	10.53	3.09	3.18	3.28	3.39	3.63	45.00	4.00	1
3056400	●	0.80	0.60	10.00	4.00	0.75	9.46	4.12	4.25	4.39	4.54	4.88	45.00	4.00	1
3056401	●	0.80	0.60	12.00	6.00	0.75	7.86	6.19	6.39	6.61	6.84	7.36	45.00	4.00	1
3056402	●	0.80	0.60	14.00	8.00	0.75	6.72	8.25	8.53	8.82	9.14	9.85	45.00	4.00	1
3056403	●	1.00	0.80	7.60	2.00	0.95	11.85	2.05	2.10	2.16	2.22	2.37	45.00	4.00	1
3056404	●	1.00	0.80	8.60	3.00	0.95	10.44	3.08	3.17	3.27	3.37	3.61	45.00	4.00	1
3056405	●	1.00	0.80	9.60	4.00	0.95	9.32	4.12	4.24	4.38	4.52	4.85	45.00	4.00	1

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



CONTINUED ➔

P					M			K	N		S		H			
Steel					Stainless Steel				Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium				
Low	Medium	High					300	400	17-4 PH							~35 HRC
1010	1035	1065	4140	4340					6061	7075	Casting	Inconel	6Al4V (30 HRC)			
1018	1045								⊙	⊙						

○ Good ⊙ Best





A Brand AE-LNBD-N

Advanced Performance Long Neck, Ball Nose End Mills for Non-Ferrous Materials

ABOUT OSG

DRILLING

THREADING

MILLING

HOLDERS

INDEX

List 8990 (Cont.)

A NEW



SPEED FEED
1471-1472

CARBIDE

DLC-IUSS

2 FLUTE

30°

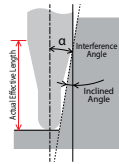


SHANK
h4

STUB

PACKED
1 PIECE

A BRAND AE-LNBD-N, Long Neck, Rib Processing

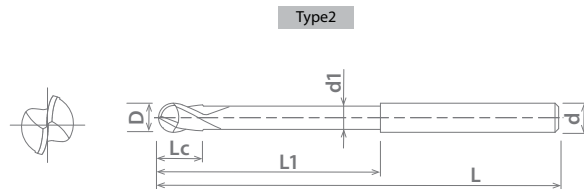
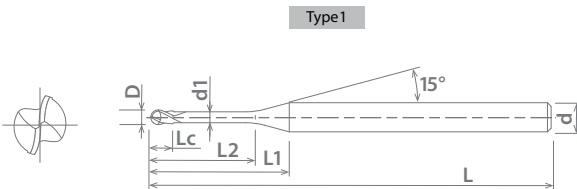


Note: If there is no value in the relative Effective Neck Length by Incline Angle column, it indicates no interference.

Radius Tolerance	
0.1mm ≤ D ≤ 0.4mm	+/- 0.002mm
0.5mm ≤ D ≤ 3mm	+/- 0.003mm
4mm ≤ D ≤ 6mm	+/- 0.004mm

EDP Number	Diameter	Length of Cut	Neck Length	Non-Taper Neck Length	Neck Diameter	Interference Angle	Effective Neck Length by Incline Angle					Overall Length	Shank Diameter	Type
							0.5° (mm)	1.0° (mm)	1.5° (mm)	2.0° (mm)	3.0° (mm)			
3056406	1.00	0.80	10.60	5.00	0.95	8.42	5.15	5.31	5.49	5.67	6.10	45.00	4.00	1
3056407	1.00	0.80	11.60	6.00	0.95	7.68	6.18	6.38	6.59	6.82	7.34	45.00	4.00	1
3056408	1.00	0.80	13.60	8.00	0.95	6.52	8.25	8.52	8.81	9.12	9.83	45.00	4.00	1
3056409	1.00	0.80	15.60	10.00	0.95	5.67	10.32	10.66	11.03	11.42	12.31	45.00	4.00	1
3056410	1.00	0.80	17.60	12.00	0.95	5.01	12.39	12.80	13.24	13.72	14.80	45.00	4.00	1
3056411	1.50	1.20	8.80	4.00	1.45	8.80	4.18	4.33	4.46	4.60	4.92	45.00	4.00	1
3056412	1.50	1.20	10.80	6.00	1.45	7.09	6.27	6.47	6.68	6.90	7.40	45.00	4.00	1
3056413	1.50	1.20	16.80	12.00	1.45	4.46	12.48	12.89	13.33	13.80	14.86	55.00	4.00	1
3056414	1.50	1.20	22.80	18.00	1.45	3.25	18.68	19.31	19.98	20.70	22.32	55.00	4.00	1
3056415	2.00	1.60	8.20	4.00	1.95	7.88	4.22	4.44	4.65	4.86	5.26	50.00	4.00	1
3056416	2.00	1.60	10.20	6.00	1.95	6.20	6.35	6.67	6.96	7.23	7.75	50.00	4.00	1
3056417	2.00	1.60	12.20	8.00	1.95	5.10	8.47	8.87	9.22	9.54	10.24	50.00	4.00	1
3056418	2.00	1.60	14.20	10.00	1.95	4.34	10.58	11.05	11.45	11.84	12.73	50.00	4.00	1
3056419	2.00	1.60	16.20	12.00	1.95	3.77	12.68	13.21	13.67	14.14	15.21	50.00	4.00	1
3056420	2.00	1.60	18.20	14.00	1.95	3.33	14.78	15.36	15.88	16.44	17.70	50.00	4.00	1
3056421	2.00	1.60	20.20	16.00	1.95	2.99	16.87	17.50	18.10	18.74	-	50.00	4.00	1
3056422	2.00	1.60	24.20	20.00	1.95	2.47	21.04	21.78	22.53	23.34	-	60.00	4.00	1
3056423	2.00	1.60	29.20	25.00	1.95	2.04	26.24	27.13	28.07	29.09	-	60.00	4.00	1
3056424	3.00	2.40	15.80	10.00	2.85	5.95	10.44	10.83	11.18	11.55	12.37	55.00	6.00	1
3056425	3.00	2.40	17.80	12.00	2.85	5.23	12.53	12.98	13.40	13.85	14.85	55.00	6.00	1
3056426	3.00	2.40	19.80	14.00	2.85	4.67	14.62	15.12	15.62	16.15	17.34	55.00	6.00	1
3056427	3.00	2.40	21.80	16.00	2.85	4.21	16.70	17.26	17.83	18.45	19.83	55.00	6.00	1
3056428	3.00	2.40	25.80	20.00	2.85	3.53	20.85	21.54	22.27	23.05	24.80	55.00	6.00	1
3056429	3.00	2.40	30.80	25.00	2.85	2.93	26.03	26.89	27.81	28.80	-	65.00	6.00	1
3056430	3.00	2.40	35.80	30.00	2.85	2.50	31.20	32.24	33.35	34.54	-	65.00	6.00	1
3056431	4.00	3.20	14.00	10.00	3.85	4.75	10.42	10.79	11.13	11.47	12.25	60.00	6.00	1
3056432	4.00	3.20	19.00	15.00	3.85	3.37	15.64	16.16	16.67	17.22	18.47	60.00	6.00	1
3056433	4.00	3.20	24.00	20.00	3.85	2.61	20.84	21.51	22.21	22.97	-	65.00	6.00	1
3056434	4.00	3.20	29.00	25.00	3.85	2.13	26.02	26.85	27.75	28.72	-	65.00	6.00	1
3056435	4.00	3.20	34.00	30.00	3.85	1.79	31.18	32.20	33.30	-	-	80.00	6.00	1
3056436	4.00	3.20	44.00	40.00	3.85	1.37	41.52	42.90	-	-	-	80.00	6.00	1
3056437	6.00	4.80	10.00	-	5.85	-	-	-	-	-	-	70.00	6.00	2
3056438	6.00	4.80	15.00	-	5.85	-	-	-	-	-	-	70.00	6.00	2
3056439	6.00	4.80	20.00	-	5.85	-	-	-	-	-	-	70.00	6.00	2
3056440	6.00	4.80	30.00	-	5.85	-	-	-	-	-	-	90.00	6.00	2
3056441	6.00	4.80	50.00	-	5.85	-	-	-	-	-	-	90.00	6.00	2

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



P					M			K	N		S		H					
Steel					Stainless Steel				Non-Ferrous		HRSA		Hardened Steel					
Carbon Steel			Alloy Steel	Die Steel					Aluminum		Nickel Alloy	Titanium						
Low	Medium	High																
1010	1035	1045	1065	4140	4340				6061	7075	Casting	Inconel	6Al4V	(30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1018	1045	1065				300	400	17-4 PH										

○ Good ⊙ Best

