



PRONIXT
PRECISION TOOLING SOLUTIONS

Solid Carbide End Mills

ABOUT

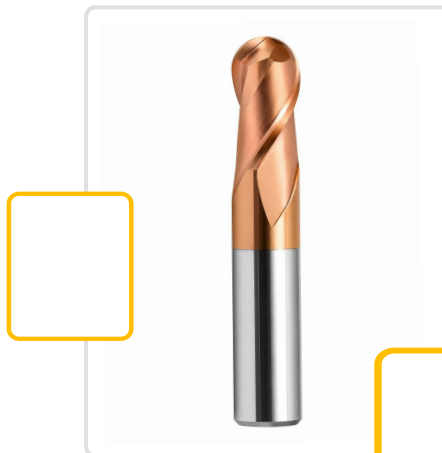
PRONIXT

PRONIXT was built upon practical machining experience and a long-term collaboration with **D-Well Precision Co., Ltd.** in Taiwan.

Established in 2021, **D-Well** specializes in precision prototype machining and low-volume production. It also serves as a technical platform for tool trials, application testing, and machining feedback.

In 2026, **PRONIXT** was established in Shenzhen based on technical discussions and practical machining experience gained through this collaboration.

Today, **PRONIXT** focuses on collets, guide bushes, rotary broaching tools, and customized tooling solutions for global customers.



PRECISION

High accuracy manufacturing with tight tolerance control.



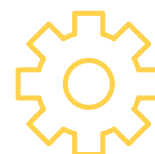
QUALITY

Stable quality ensures consistent performance.



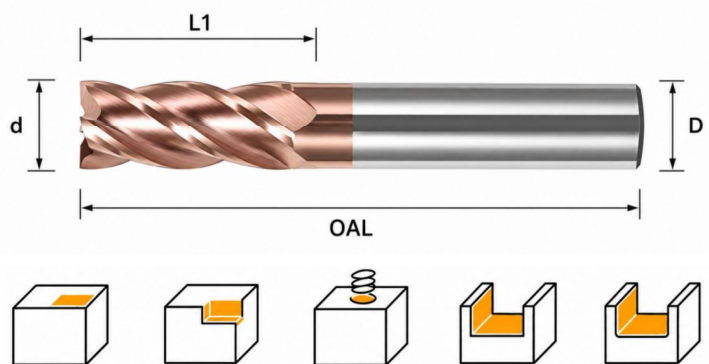
TESTING

Practical machining tests for reliable tooling verification.



CUSTOMIZATION

Custom solutions to meet specific machining needs.



NACO4 Coated

High wear resistance
For cast iron, stainless steel
and steel $\leq$ HRC 40

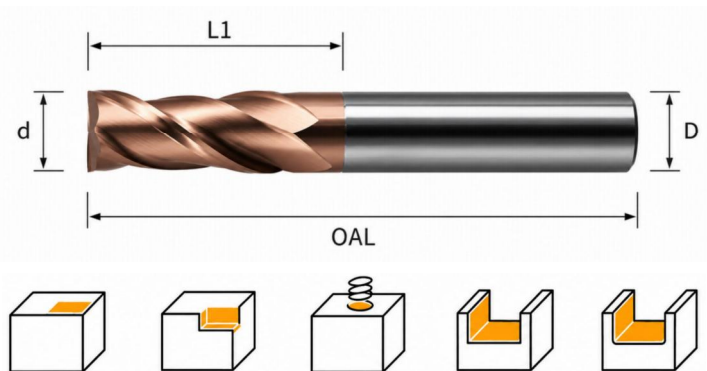
Precision

d tolerance: 0 / -0.02 mm
D Shank tolerance: h6
Runout: $\leq$ 0.01 mm / Helix angle: 35°

55° Carbide End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-E-1.0-50-4F	1		3	4	50	4
55-E-1.5-50-4F	1.5		4	4	50	4
55-E-2.0-50-4F	2		6	4	50	4
55-E-2.5-50-4F	2.5		7	4	50	4
55-E-3.0-50A-4F	3		8	3	50	4
55-E-3.0-75A-4F	3		12	3	75	4
55-E-3.0-50B-4F	3		8	4	50	4
55-E-3.5-50-4F	3.5		9	4	50	4
55-E-4.0-50-4F	4		10	4	50	4
55-E-4.0-75-4F	4		16	4	75	4
55-E-4.0-100-4F	4		20	4	100	4
55-E-5.0-50-4F	5		13	5	50	4
55-E-5.0-75-4F	5		20	5	75	4
55-E-6.0-50-4F	6		15	6	50	4
55-E-6.0-75-4F	6		24	6	75	4
55-E-6.0-100-4F	6		30	6	100	4
55-E-6.0-150-4F	6		40	6	150	4
55-E-7.0-60-4F	7		18	8	60	4
55-E-8.0-60-4F	8		20	8	60	4
55-E-8.0-75-4F	8		25	8	75	4
55-E-8.0-100-4F	8		35	8	100	4
55-E-8.0-150-4F	8		45	8	150	4
55-E-8.0-200-4F	8		60	8	200	4
55-E-9.0-75-4F	9		23	10	75	4
55-E-10-75-4F	10		25	10	75	4
55-E-10-100-4F	10		40	10	100	4
55-E-10-150-4F	10		60	10	150	4
55-E-10-200-4F	10		65	10	200	4
55-E-11-75-4F	11		28	12	75	4
55-E-12-75-4F	12		30	12	75	4
55-E-12-100-4F	12		50	12	100	4
55-E-12-150-4F	12		60	12	150	4
55-E-12-200-4F	12		70	12	200	4
55-E-14-100-4F	14		45	14	100	4
55-E-14-150-4F	14		70	14	150	4
55-E-16-100-4F	16		45	16	100	4
55-E-16-150-4F	16		70	16	150	4
55-E-16-200-4F	16		75	16	200	4
55-E-18-100-4F	18		45	18	100	4
55-E-18-150-4F	18		70	18	150	4
55-E-20-100-4F	20		45	20	100	4
55-E-20-150-4F	20		70	20	150	4
55-E-20-200-4F	20		80	20	200	4



NACO4 Coated

High wear resistance
For cast iron, stainless steel
and steel $\leq$ HRC 40

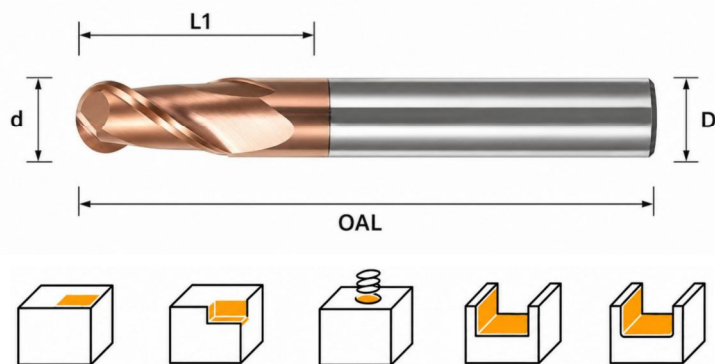
Precision

d tolerance: 0 / -0.02 mm
D Shank tolerance: h6
Runout: $\leq$ 0.01 mm / Helix angle: 35°

55° Carbide End Mill - 2F

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-E-1.0-50-2F	1		3	4	50	2
55-E-1.5-50-2F	1.5		4	4	50	2
55-E-2.0-50-2F	2		6	4	50	2
55-E-2.5-50-2F	2.5		7	4	50	2
55-E-3.0-50A-2F	3		8	3	50	2
55-E-3.0-75A-2F	3		10	3	75	2
55-E-3.0-50B-2F	3		8	4	50	2
55-E-3.5-50-2F	3.5		9	4	50	2
55-E-4.0-50-2F	4		10	4	50	2
55-E-4.0-75-2F	4		15	4	75	2
55-E-4.0-100-2F	4		18	4	100	2
55-E-5.0-50-2F	5		13	5	50	2
55-E-5.0-75-2F	5		15	5	75	2
55-E-6.0-50-2F	6		15	6	50	2
55-E-6.0-75-2F	6		24	6	75	2
55-E-6.0-100-2F	6		30	6	100	2
55-E-6.0-150-2F	6		35	6	150	2
55-E-8.0-60-2F	8		20	8	60	2
55-E-8.0-75-2F	8		30	8	75	2
55-E-8.0-100-2F	8		35	8	100	2
55-E-8.0-150-2F	8		40	8	150	2
55-E-10-75-2F	10		25	10	75	2
55-E-10-100-2F	10		40	10	100	2
55-E-10-150-2F	10		50	10	150	2
55-E-12-75-2F	12		30	12	75	2
55-E-12-100-2F	12		40	12	100	2
55-E-12-150-2F	12		60	12	150	2
55-E-14-100-2F	14		40	14	100	2
55-E-14-150-2F	14		70	14	150	2
55-E-16-100-2F	16		40	16	100	2
55-E-16-150-2F	16		70	16	150	2
55-E-18-100-2F	18		40	18	100	2
55-E-18-150-2F	18		70	18	150	2
55-E-20-100-2F	20		40	20	100	2
55-E-20-150-2F	20		70	20	150	2



NACO4 Coated

High wear resistance
For cast iron, stainless steel
and steel $\leq$ HRC 40

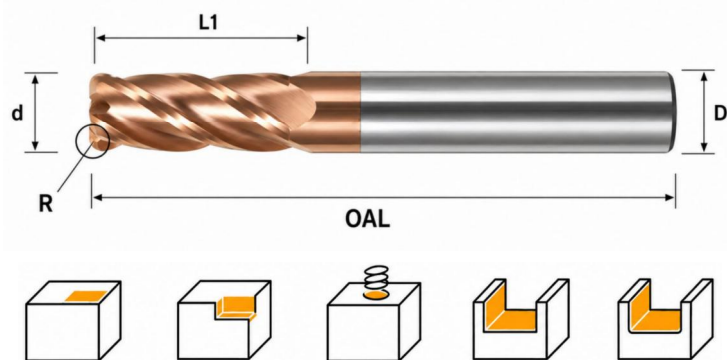
Precision

d tolerance: 0 / -0.02 mm
D Shank tolerance: h6
Runout: $\leq$ 0.01 mm / Helix angle: 35°

55° Carbide Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-R-R0.5-50-2F	1	R0.5	2	4	50	2
55-R-R0.75-50-2F	1.5	R0.75	3	4	50	2
55-R-R1.0-50-2F	2	R1.0	4	4	50	2
55-R-R1.25-50-2F	2.5	R1.25	4	4	50	2
55-R-R1.5-50A-2F	3	R1.5	6	3	50	2
55-R-R1.5-75A-2F	3	R1.5	6	3	75	2
55-R-R1.5-50B-2F	3	R1.5	6	4	50	2
55-R-R1.75-50-2F	3.5	R1.75	6	4	50	2
55-R-R2.0-50-2F	4	R2.0	8	4	50	2
55-R-R2.0-75-2F	4	R2.0	8	4	75	2
55-R-R2.0-100-2F	4	R2.0	8	4	100	2
55-R-R2.5-50-2F	5	R2.5	10	5	50	2
55-R-R2.5-75-2F	5	R2.5	10	5	75	2
55-R-R3.0-50-2F	6	R3.0	12	6	50	2
55-R-R3.0-75-2F	6	R3.0	12	6	75	2
55-R-R3.0-100-2F	6	R3.0	12	6	100	2
55-R-R3.0-150-2F	6	R3.0	12	6	150	2
55-R-R4.0-60-2F	8	R4.0	16	8	60	2
55-R-R4.0-75-2F	8	R4.0	16	8	75	2
55-R-R4.0-100-2F	8	R4.0	16	8	100	2
55-R-R4.0-150-2F	8	R4.0	16	8	150	2
55-R-R4.0-200-2F	8	R4.0	16	8	200	2
55-R-R5.0-75-2F	10	R5.0	20	10	75	2
55-R-R5.0-100-2F	10	R5.0	20	10	100	2
55-R-R5.0-150-2F	10	R5.0	20	10	150	2
55-R-R5.0-200-2F	10	R5.0	20	10	200	2
55-R-R6.0-75-2F	12	R6.0	24	12	75	2
55-R-R6.0-100-2F	12	R6.0	24	12	100	2
55-R-R6.0-150-2F	12	R6.0	24	12	150	2
55-R-R6.0-200-2F	12	R6.0	24	12	200	2
55-R-R7.0-100-2F	14	R7.0	28	14	100	2
55-R-R7.0-150-2F	14	R7.0	28	14	150	2
55-R-R7.0-200-2F	14	R7.0	28	14	200	2
55-R-R8.0-100-2F	16	R8.0	32	16	100	2
55-R-R8.0-150-2F	16	R8.0	32	16	150	2
55-R-R8.0-200-2F	16	R8.0	32	16	200	2
55-R-R9.0-100-2F	18	R9.0	36	18	100	2
55-R-R9.0-150-2F	18	R9.0	36	18	150	2
55-R-R10.0-100-2F	20	R10.0	40	20	100	2
55-R-R10.0-150-2F	20	R10.0	40	20	150	2
55-R-R10.0-200-2F	20	R10.0	40	20	200	2



NACO4 Coated

High wear resistance
For cast iron, stainless steel
and steel $\leq$ HRC 40

Precision

d tolerance: 0 / -0.02 mm

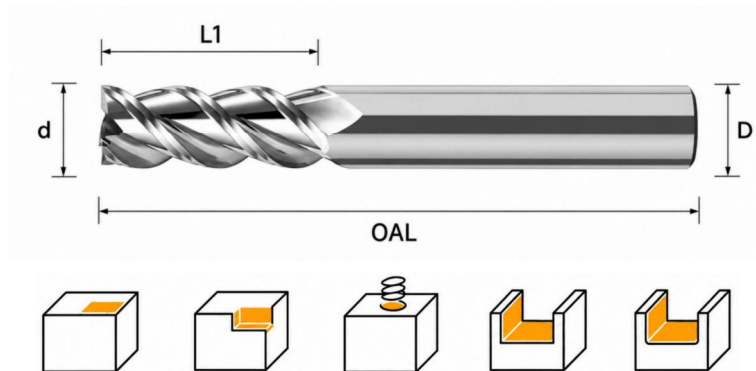
D Shank tolerance: h6

Runout: $\leq$ 0.01 mm / Helix angle: 35°

55° Carbide Corner Radius End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-C-1.0R0.2-50-4F	1	R0.2	3	4	50	4
55-C-1.5R0.2-50-4F	1.5	R0.2	4	4	50	4
55-C-2.0R0.2-50-4F	2	R0.2	6	4	50	4
55-C-2.0R0.5-50-4F	2	R0.5	6	4	50	4
55-C-2.5R0.2-50-4F	2.5	R0.2	7	4	50	4
55-C-2.5R0.5-50-4F	2.5	R0.5	7	4	50	4
55-C-3.0R0.2-50A-4F	3	R0.2	8	3	50	4
55-C-3.0R0.5-50A-4F	3	R0.5	8	3	50	4
55-C-3.0R0.5-75A-4F	3	R0.5	12	3	75	4
55-C-3.0R0.5-50B-4F	3	R0.5	8	4	50	4
55-C-4.0R0.2-50-4F	4	R0.2	10	4	50	4
55-C-4.0R0.5-50-4F	4	R0.5	10	4	50	4
55-C-4.0R1.0-50-4F	4	R1.0	10	4	50	4
55-C-4.0R0.5-75-4F	4	R0.5	16	4	75	4
55-C-4.0R0.5-100-4F	4	R0.5	20	4	100	4
55-C-4.0R1.0-100-4F	4	R1.0	20	4	100	4
55-C-5.0R0.5-50-4F	5	R0.5	13	5	50	4
55-C-5.0R1.0-50-4F	5	R1.0	13	5	50	4
55-C-5.0R0.5-75-4F	5	R0.5	20	5	75	4
55-C-6.0R0.2-50-4F	6	R0.2	15	6	50	4
55-C-6.0R0.5-50-4F	6	R0.5	15	6	50	4
55-C-6.0R1.0-50-4F	6	R1.0	15	6	50	4
55-C-6.0R0.5-75-4F	6	R0.5	24	6	75	4
55-C-6.0R0.5-100-4F	6	R0.5	30	6	100	4
55-C-6.0R1.0-100-4F	6	R1.0	30	6	100	4
55-C-8.0R0.5-60-4F	8	R0.5	20	8	60	4
55-C-8.0R1.0-60-4F	8	R1.0	20	8	60	4
55-C-8.0R0.5-75-4F	8	R0.5	25	8	75	4
55-C-8.0R0.5-100-4F	8	R0.5	35	8	100	4
55-C-8.0R1.0-100-4F	8	R1.0	35	8	100	4
55-C-10R0.5-75-4F	10	R0.5	25	10	75	4
55-C-10R1.0-75-4F	10	R1.0	25	10	75	4
55-C-10R2.0-75-4F	10	R2.0	25	10	75	4
55-C-10R0.5-100-4F	10	R0.5	40	10	100	4
55-C-10R1.0-100-4F	10	R1.0	40	10	100	4
55-C-12R0.5-75-4F	12	R0.5	30	12	75	4
55-C-12R1.0-75-4F	12	R1.0	30	12	75	4
55-C-12R2.0-75-4F	12	R2.0	30	12	75	4
55-C-12R0.5-100-4F	12	R0.5	50	12	100	4
55-C-12R1.0-100-4F	12	R1.0	50	12	100	4



Aluminum Alloy End Mill

Mirror polished flute

Smooth cutting, reduced burrs

For aluminum / acrylic / copper

Precision

d tolerance: 0 / -0.02 mm

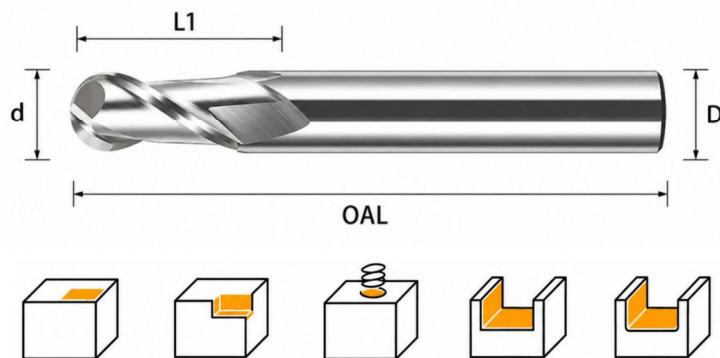
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 45°

55° Carbide Aluminum End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-ALE-1.0-50-3F	1		3	4	50	3
55-ALE-1.5-50-3F	1.5		4	4	50	3
55-ALE-2.0-50-3F	2		6	4	50	3
55-ALE-2.5-50-3F	2.5		7	4	50	3
55-ALE-3.0-50A-3F	3		9	3	50	3
55-ALE-3.0-75A-3F	3		12	3	75	3
55-ALE-3.0-50B-3F	3		9	4	50	3
55-ALE-4.0-50-3F	4		10	4	50	3
55-ALE-4.0-75-3F	4		16	4	75	3
55-ALE-4.0-100-3F	4		20	4	100	3
55-ALE-5.0-50-3F	5		15	5	50	3
55-ALE-5.0-75-3F	5		18	5	75	3
55-ALE-5.0-100-3F	5		25	5	100	3
55-ALE-6.0-50-3F	6		18	6	50	3
55-ALE-6.0-75-3F	6		25	6	75	3
55-ALE-6.0-100-3F	6		30	6	100	3
55-ALE-6.0-150-3F	6		45	6	150	3
55-ALE-8.0-60-3F	8		24	8	60	3
55-ALE-8.0-75-3F	8		30	8	75	3
55-ALE-8.0-100-3F	8		35	8	100	3
55-ALE-8.0-150-3F	8		50	8	150	3
55-ALE-8.0-200-3F	8		60	8	200	3
55-ALE-10-75-3F	10		30	10	75	3
55-ALE-10-100-3F	10		40	10	100	3
55-ALE-10-150-3F	10		60	10	150	3
55-ALE-10-200-3F	10		70	10	200	3
55-ALE-12-75-3F	12		35	12	75	3
55-ALE-12-100-3F	12		45	12	100	3
55-ALE-12-150-3F	12		60	12	150	3
55-ALE-12-200-3F	12		70	12	200	3
55-ALE-14-100-3F	14		45	14	100	3
55-ALE-14-150-3F	14		80	14	150	3
55-ALE-16-100-3F	16		45	16	100	3
55-ALE-16-150-3F	16		80	16	150	3
55-ALE-16-200-3F	16		80	16	200	3
55-ALE-18-100-3F	18		45	18	100	3
55-ALE-18-150-3F	18		80	18	150	3
55-ALE-20-100-3F	20		45	20	100	3
55-ALE-20-150-3F	20		80	20	150	3
55-ALE-20-200-3F	20		90	20	200	3



Aluminum Alloy End Mill

Mirror polished flute
Smooth cutting, reduced burrs
For aluminum / acrylic / copper

Precision

d tolerance: 0 / -0.02 mm

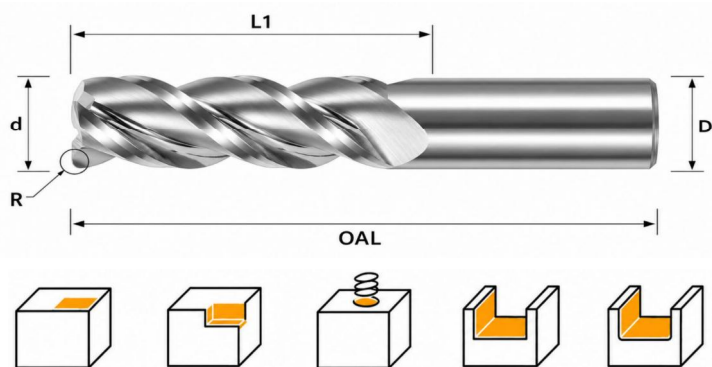
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 45°

55° Carbide Aluminum Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-ALR-R0.5-50-2F	1	R0.5	2	4	50	2
55-ALR-R0.75-50-2F	1.5	R0.75	3	4	50	2
55-ALR-R1.0-50-2F	2	R1.0	4	4	50	2
55-ALR-R1.25-50-2F	2.5	R1.25	4	4	50	2
55-ALR-R1.5-50A-2F	3	R1.5	6	3	50	2
55-ALR-R1.5-75A-2F	3	R1.5	6	3	75	2
55-ALR-R1.5-100A-2F	3	R1.5	6	3	100	2
55-ALR-R1.5-50B-2F	3	R1.5	6	4	50	2
55-ALR-R2.0-50-2F	4	R2.0	8	4	50	2
55-ALR-R2.0-75-2F	4	R2.0	8	4	75	2
55-ALR-R2.0-100-2F	4	R2.0	8	4	100	2
55-ALR-R2.5-50-2F	5	R2.5	10	5	50	2
55-ALR-R2.5-75-2F	5	R2.5	10	5	75	2
55-ALR-R2.5-100-2F	5	R2.5	10	5	100	2
55-ALR-R3.0-50-2F	6	R3.0	12	6	50	2
55-ALR-R3.0-75-2F	6	R3.0	12	6	75	2
55-ALR-R3.0-100-2F	6	R3.0	12	6	100	2
55-ALR-R3.0-150-2F	6	R3.0	12	6	150	2
55-ALR-R4.0-60-2F	8	R4.0	16	8	60	2
55-ALR-R4.0-75-2F	8	R4.0	16	8	75	2
55-ALR-R4.0-100-2F	8	R4.0	16	8	100	2
55-ALR-R4.0-150-2F	8	R4.0	16	8	150	2
55-ALR-R5.0-75-2F	10	R5.0	20	10	75	2
55-ALR-R5.0-100-2F	10	R5.0	20	10	100	2
55-ALR-R5.0-150-2F	10	R5.0	20	10	150	2
55-ALR-R6.0-75-2F	12	R6.0	24	12	75	2
55-ALR-R6.0-100-2F	12	R6.0	24	12	100	2
55-ALR-R6.0-150-2F	12	R6.0	24	12	150	2
55-ALR-R7.0-100-2F	14	R7.0	28	14	100	2
55-ALR-R7.0-150-2F	14	R7.0	28	14	150	2
55-ALR-R8.0-100-2F	16	R8.0	32	16	100	2
55-ALR-R8.0-150-2F	16	R8.0	32	16	150	2
55-ALR-R9.0-100-2F	18	R9.0	36	18	100	2
55-ALR-R9.0-150-2F	18	R9.0	36	18	150	2
55-ALR-R10.0-100-2F	20	R10.0	40	20	100	2
55-ALR-R10.0-150-2F	20	R10.0	40	20	150	2



Aluminum Alloy End Mill

Mirror polished flute
Smooth cutting, reduced burrs
For aluminum / acrylic / copper

Precision

d tolerance: 0 / -0.02 mm

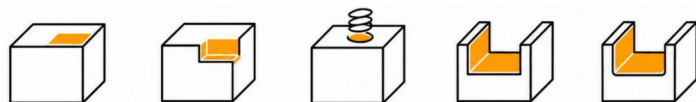
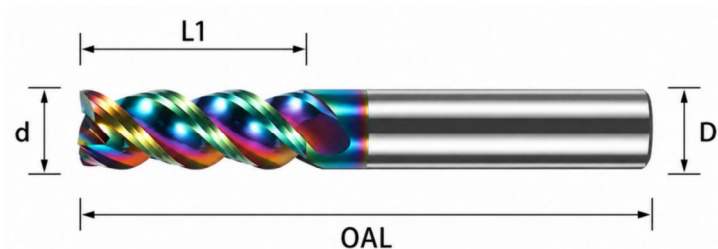
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 45°

55° Carbide Aluminum Corner Radius End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
55-ALC-1.0R0.2-50-3F	1	R0.2	3	4	50	3
55-ALC-1.5R0.2-50-3F	1.5	R0.2	4	4	50	3
55-ALC-2.0R0.2-50-3F	2	R0.2	6	4	50	3
55-ALC-2.0R0.5-50-3F	2	R0.5	6	4	50	3
55-ALC-2.5R0.2-50-3F	2.5	R0.2	7	4	50	3
55-ALC-2.5R0.5-50-3F	2.5	R0.5	7	4	50	3
55-ALC-3.0R0.2-50A-3F	3	R0.2	9	3	50	3
55-ALC-3.0R0.5-50A-3F	3	R0.5	9	3	50	3
55-ALC-3.0R0.5-75A-3F	3	R0.5	12	3	75	3
55-ALC-3.0R0.5-50B-3F	3	R0.5	9	4	50	3
55-ALC-4.0R0.5-50-3F	4	R0.5	10	4	50	3
55-ALC-4.0R1.0-50-3F	4	R1.0	10	4	50	3
55-ALC-4.0R0.5-75-3F	4	R0.5	16	4	75	3
55-ALC-4.0R1.0-75-3F	4	R1.0	16	4	75	3
55-ALC-4.0R0.5-100-3F	4	R0.5	20	4	100	3
55-ALC-4.0R1.0-100-3F	4	R1.0	20	4	100	3
55-ALC-6.0R0.5-50-3F	6	R0.5	18	6	50	3
55-ALC-6.0R1.0-50-3F	6	R1.0	18	6	50	3
55-ALC-6.0R0.5-75-3F	6	R0.5	25	6	75	3
55-ALC-6.0R1.0-75-3F	6	R1.0	25	6	75	3
55-ALC-6.0R0.5-100-3F	6	R0.5	30	6	100	3
55-ALC-6.0R1.0-100-3F	6	R1.0	30	6	100	3
55-ALC-8.0R0.5-60-3F	8	R0.5	24	8	60	3
55-ALC-8.0R1.0-60-3F	8	R1.0	24	8	60	3
55-ALC-8.0R0.5-75-3F	8	R0.5	30	8	75	3
55-ALC-8.0R1.0-75-3F	8	R1.0	30	8	75	3
55-ALC-8.0R0.5-100-3F	8	R0.5	35	8	100	3
55-ALC-8.0R1.0-100-3F	8	R1.0	35	8	100	3
55-ALC-10R0.5-75-3F	10	R0.5	30	10	75	3
55-ALC-10R1.0-75-3F	10	R1.0	30	10	75	3
55-ALC-10R0.5-100-3F	10	R0.5	40	10	100	3
55-ALC-10R1.0-100-3F	10	R1.0	40	10	100	3
55-ALC-12R0.5-75-3F	12	R0.5	35	12	75	3
55-ALC-12R1.0-75-3F	12	R1.0	35	12	75	3
55-ALC-12R0.5-100-3F	12	R0.5	45	12	100	3
55-ALC-12R1.0-100-3F	12	R1.0	45	12	100	3



DLC Coated

U-flute for aluminum alloy
Mirror polished flute
High-efficiency cutting
For aluminum / acrylic / copper

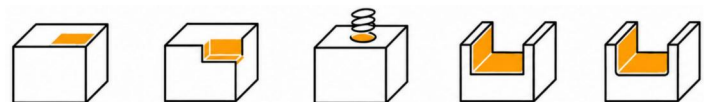
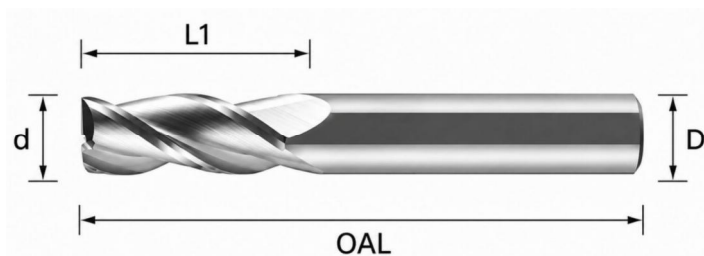
Precision

d tolerance: 0 / -0.02 mm
D Shank tolerance: h6
Runout: ≤ 0.01 mm / Helix angle: 45°

60° Carbide Aluminum U-flute End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
60-ALU-1.0-50-3F	1		3	4	50	3
60-ALU-1.5-50-3F	1.5		4	4	50	3
60-ALU-2.0-50-3F	2		6	4	50	3
60-ALU-2.5-50-3F	2.5		7	4	50	3
60-ALU-3.0-50B-3F	3		9	4	50	3
60-ALU-4.0-50-3F	4		12	4	50	3
60-ALU-5.0-50A-3F	5		15	5	50	3
60-ALU-5.0-50B-3F	5		15	6	50	3
60-ALU-6.0-50-3F	6		15	6	50	3
60-ALU-6.0-75-3F	6		25	6	75	3
60-ALU-6.0-100-3F	6		30	6	100	3
60-ALU-8.0-60-3F	8		24	8	60	3
60-ALU-8.0-75-3F	8		30	8	75	3
60-ALU-8.0-100-3F	8		35	8	100	3
60-ALU-10-75-3F	10		30	10	75	3
60-ALU-10-100-3F	10		40	10	100	3
60-ALU-12-75-3F	12		35	12	75	3
60-ALU-12-100-3F	12		45	12	100	3



Mirror Finish End Mill

Mirror polished flute

Designed for excellent surface finish

Smooth cutting and reduced burrs

For aluminum / acrylic / copper

Precision

d tolerance: 0 / -0.02 mm

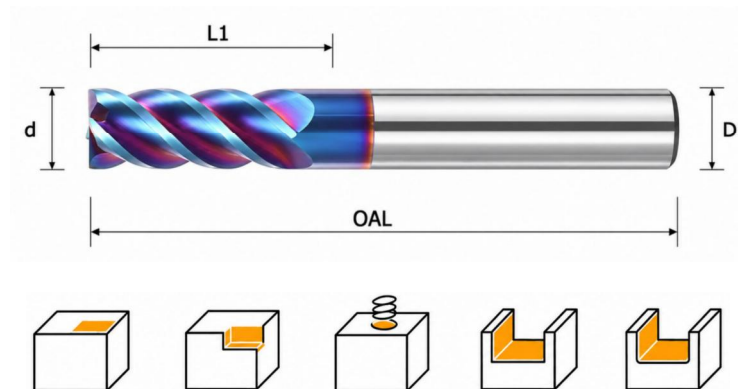
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

Carbide Aluminum Mirror Finish End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
ALMF-1.0-50-3F	1		3	4	50	3
ALMF-1.5-50-3F	1.5		4	4	50	3
ALMF-2.0-50-3F	2		6	4	50	3
ALMF-2.5-50-3F	2.5		7.5	4	50	3
ALMF-3.0-50A-3F	3		9	3	50	3
ALMF-3.0-50B-3F	3		9	4	50	3
ALMF-3.0-75B-3F	3		12	4	75	3
ALMF-3.5-50-3F	3.5		10.5	4	50	3
ALMF-4.0-50-3F	4		12	4	50	3
ALMF-4.0-75-3F	4		16	4	75	3
ALMF-4.5-60-3F	4.5		13.5	6	60	3
ALMF-5.0-50-3F	5		15	6	50	3
ALMF-5.5-50-3F	5.5		16.5	6	50	3
ALMF-6.0-50-3F	6		18	6	50	3
ALMF-6.0-75-3F	6		25	6	75	3
ALMF-6.0-100-3F	6		30	6	100	3
ALMF-8.0-60-3F	8		24	8	60	3
ALMF-8.0-75-3F	8		30	8	75	3
ALMF-8.0-100-3F	8		35	8	100	3
ALMF-10-75-3F	10		30	10	75	3
ALMF-10-100-3F	10		40	10	100	3
ALMF-10-150-3F	10		60	10	150	3
ALMF-12-75-3F	12		36	12	75	3
ALMF-12-100-3F	12		45	12	100	3
ALMF-12-150-3F	12		60	12	150	3
ALMF-14-100-3F	14		42	14	100	3



NACO4 Coated

Hard-to-Machine Materials

Stainless steel / Pre-hardened steel

Titanium alloy / Mold steel

Steel ≤ HRC 50

Precision

d tolerance: 0 / -0.02 mm

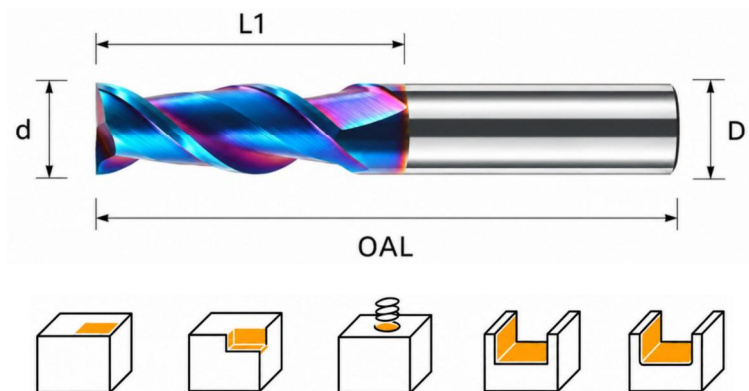
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

65° Carbide End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
65-E-1.0-50-4F	1		3	4	50	4
65-E-1.5-50-4F	1.5		5	4	50	4
65-E-2.0-50-4F	2		6	4	50	4
65-E-2.5-50-4F	2.5		7	4	50	4
65-E-3.0-50A-4F	3		9	3	50	4
65-E-3.0-75A-4F	3		12	3	75	4
65-E-3.0-50B-4F	3		9	4	50	4
65-E-3.5-50-4F	3.5		10	4	50	4
65-E-4.0-50-4F	4		12	4	50	4
65-E-4.0-75-4F	4		16	4	75	4
65-E-4.0-100-4F	4		20	4	100	4
65-E-5.0-50-4F	5		15	5	50	4
65-E-5.0-75-4F	5		20	5	75	4
65-E-6.0-50-4F	6		18	6	50	4
65-E-6.0-75-4F	6		24	6	75	4
65-E-6.0-100-4F	6		30	6	100	4
65-E-6.0-150-4F	6		35	6	150	4
65-E-7.0-60-4F	7		20	8	60	4
65-E-8.0-60-4F	8		24	8	60	4
65-E-8.0-75-4F	8		30	8	75	4
65-E-8.0-100-4F	8		35	8	100	4
65-E-8.0-150-4F	8		40	8	150	4
65-E-9.0-75-4F	9		30	10	75	4
65-E-10-75-4F	10		30	10	75	4
65-E-10-100-4F	10		40	10	100	4
65-E-10-150-4F	10		50	10	150	4
65-E-11-75-4F	11		30	12	75	4
65-E-12-75-4F	12		35	12	75	4
65-E-12-100-4F	12		45	12	100	4
65-E-12-150-4F	12		55	12	150	4
65-E-14-100-4F	14		45	14	100	4
65-E-14-150-4F	14		60	14	150	4
65-E-16-100-4F	16		45	16	100	4
65-E-16-150-4F	16		75	16	150	4
65-E-18-100-4F	18		45	18	100	4
65-E-18-150-4F	18		70	18	150	4
65-E-20-100-4F	20		45	20	100	4
65-E-20-150-4F	20		70	20	150	4



NACO4 Coated

Hard-to-Machine Materials

Stainless steel / Pre-hardened steel

Titanium alloy / Mold steel

Steel ≤ HRC 50

Precision

d tolerance: 0 / -0.02 mm

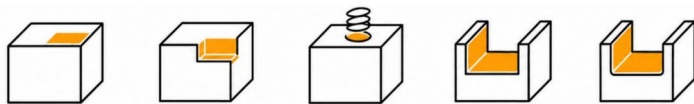
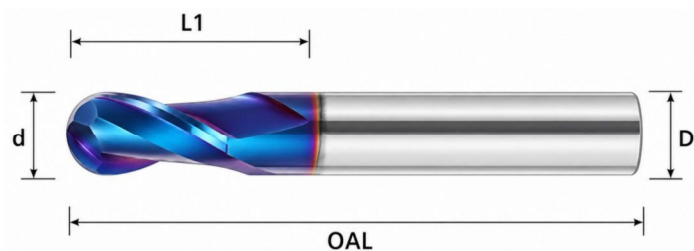
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

65° Carbide End Mill - 2F

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
65-E-1.0-50-2F	1		3	4	50	2
65-E-1.5-50-2F	1.5		5	4	50	2
65-E-2.0-50-2F	2		6	4	50	2
65-E-2.5-50-2F	2.5		7	4	50	2
65-E-3.0-50A-2F	3		9	3	50	2
65-E-3.0-75A-2F	3		10	3	75	2
65-E-3.0-50B-2F	3		9	4	50	2
65-E-3.5-50-2F	3.5		10	4	50	2
65-E-4.0-50-2F	4		12	4	50	2
65-E-4.0-75-2F	4		16	4	75	2
65-E-4.0-100-2F	4		20	4	100	2
65-E-5.0-50-2F	5		13	5	50	2
65-E-5.0-75-2F	5		20	5	75	2
65-E-5.0-100-2F	5		30	5	100	2
65-E-6.0-50-2F	6		15	6	50	2
65-E-6.0-75-2F	6		20	6	75	2
65-E-6.0-100-2F	6		30	6	100	2
65-E-8.0-60-2F	8		20	8	60	2
65-E-8.0-75-2F	8		30	8	75	2
65-E-8.0-100-2F	8		35	8	100	2
65-E-10-75-2F	10		30	10	75	2
65-E-10-100-2F	10		40	10	100	2
65-E-12-75-2F	12		35	12	75	2
65-E-12-100-2F	12		45	12	100	2



NACO4 Coated

Hard-to-Machine Materials

Stainless steel / Pre-hardened steel

Titanium alloy / Mold steel

Steel ≤ HRC 50

Precision

d tolerance: 0 / -0.02 mm

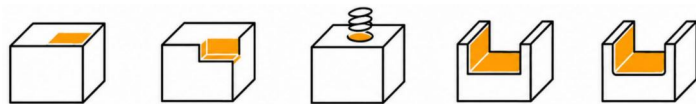
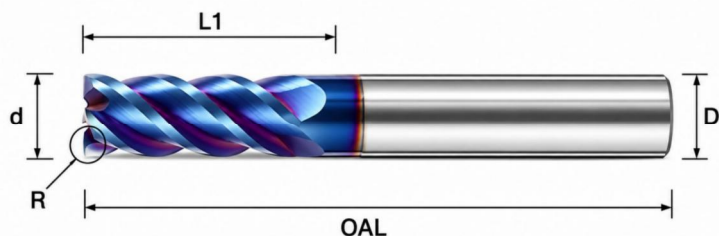
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

65° Carbide Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
65-R-R0.5-50-2F	1	R0.5	2	4	50	2
65-R-R0.75-50-2F	1.5	R0.75	3	4	50	2
65-R-R1.0-50-2F	2	R1.0	4	4	50	2
65-R-R1.25-50-2F	2.5	R1.25	4	4	50	2
65-R-R1.5-50A-2F	3	R1.5	6	3	50	2
65-R-R1.5-75A-2F	3	R1.5	6	3	75	2
65-R-R1.5-100A-2F	3	R1.5	6	3	100	2
65-R-R1.5-50B-2F	3	R1.5	6	4	50	2
65-R-R1.75-50-2F	3.5	R1.75	6	4	50	2
65-R-R2.0-50-2F	4	R2.0	8	4	50	2
65-R-R2.0-75-2F	4	R2.0	8	4	75	2
65-R-R2.0-100-2F	4	R2.0	8	4	100	2
65-R-R2.5-50-2F	5	R2.5	10	5	50	2
65-R-R2.5-75-2F	5	R2.5	10	5	75	2
65-R-R2.5-100-2F	5	R2.5	10	5	100	2
65-R-R3.0-50-2F	6	R3.0	12	6	50	2
65-R-R3.0-75-2F	6	R3.0	12	6	75	2
65-R-R3.0-100-2F	6	R3.0	12	6	100	2
65-R-R3.0-150-2F	6	R3.0	12	6	150	2
65-R-R4.0-60-2F	8	R4.0	16	8	60	2
65-R-R4.0-75-2F	8	R4.0	16	8	75	2
65-R-R4.0-100-2F	8	R4.0	16	8	100	2
65-R-R4.0-150-2F	8	R4.0	16	8	150	2
65-R-R5.0-75-2F	10	R5.0	20	10	75	2
65-R-R5.0-100-2F	10	R5.0	20	10	100	2
65-R-R5.0-150-2F	10	R5.0	20	10	150	2
65-R-R6.0-75-2F	12	R6.0	24	12	75	2
65-R-R6.0-100-2F	12	R6.0	24	12	100	2
65-R-R6.0-150-2F	12	R6.0	24	12	150	2



NACO4 Coated

Hard-to-Machine Materials

Stainless steel / Pre-hardened steel

Titanium alloy / Mold steel

Steel ≤ HRC 50

Precision

d tolerance: 0 / -0.02 mm

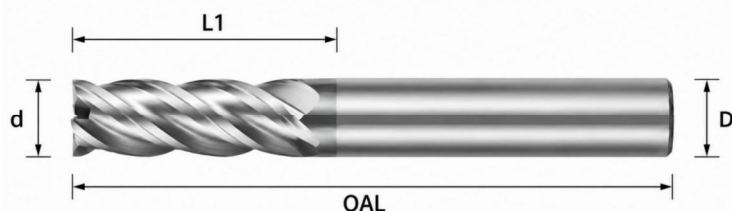
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

65° Carbide Corner Radius End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
65-C-1.0R0.2-50-4F	1	R0.2	3	4	50	4
65-C-1.5R0.2-50-4F	1.5	R0.2	5	4	50	4
65-C-2.0R0.2-50-4F	2	R0.2	6	4	50	4
65-C-2.0R0.5-50-4F	2	R0.5	6	4	50	4
65-C-2.5R0.2-50-4F	2.5	R0.2	7	4	50	4
65-C-2.5R0.5-50-4F	2.5	R0.5	7	4	50	4
65-C-3.0R0.2-50A-4F	3	R0.2	9	3	50	4
65-C-3.0R0.5-50A-4F	3	R0.5	9	3	50	4
65-C-3.0R0.5-75A-4F	3	R0.5	12	3	75	4
65-C-3.0R0.5-100A-4F	3	R0.5	12	3	100	4
65-C-3.0R0.5-50B-4F	3	R0.5	9	4	50	4
65-C-4.0R0.2-50-4F	4	R0.2	12	4	50	4
65-C-4.0R0.5-50-4F	4	R0.5	12	4	50	4
65-C-4.0R1.0-50-4F	4	R1.0	12	4	50	4
65-C-4.0R0.5-75-4F	4	R0.5	16	4	75	4
65-C-4.0R0.5-100-4F	4	R0.5	20	4	100	4
65-C-5.0R0.5-50-4F	5	R0.5	15	5	50	4
65-C-5.0R1.0-50-4F	5	R1.0	15	5	50	4
65-C-6.0R0.2-50-4F	6	R0.2	18	6	50	4
65-C-6.0R0.5-50-4F	6	R0.5	18	6	50	4
65-C-6.0R1.0-50-4F	6	R1.0	18	6	50	4
65-C-6.0R0.5-75-4F	6	R0.5	24	6	75	4
65-C-6.0R1.0-75-4F	6	R1.0	24	6	75	4
65-C-6.0R0.5-100-4F	6	R0.5	30	6	100	4
65-C-6.0R1.0-100-4F	6	R1.0	30	6	100	4
65-C-8.0R0.2-60-4F	8	R0.2	24	8	60	4
65-C-8.0R0.5-60-4F	8	R0.5	24	8	60	4
65-C-8.0R1.0-60-4F	8	R1.0	24	8	60	4
65-C-8.0R0.5-75-4F	8	R0.5	30	8	75	4
65-C-8.0R0.5-100-4F	8	R0.5	35	8	100	4
65-C-8.0R1.0-100-4F	8	R1.0	35	8	100	4
65-C-10R0.5-75-4F	10	R0.5	30	10	75	4
65-C-10R1.0-75-4F	10	R1.0	30	10	75	4
65-C-10R0.5-100-4F	10	R0.5	40	10	100	4
65-C-10R1.0-100-4F	10	R1.0	40	10	100	4
65-C-12R0.5-75-4F	12	R0.5	35	12	75	4
65-C-12R1.0-75-4F	12	R1.0	35	12	75	4
65-C-12R0.5-100-4F	12	R0.5	45	12	100	4
65-C-12R1.0-100-4F	12	R1.0	45	12	100	4



Balzers Coated

Unequal flute design

Edge honing for longer tool life

Stainless steel / Titanium alloy

Mold steel / Steel HRC 55–65

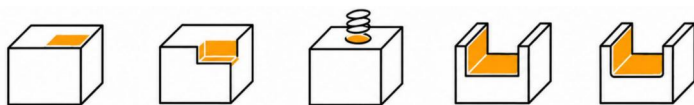
Precision

d tolerance: 0 / -0.02 mm

D Shank tolerance: h6

Runout: ≤ 0.01 mm

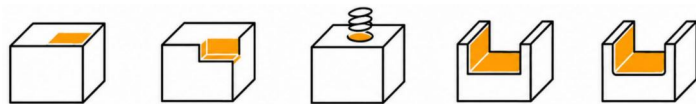
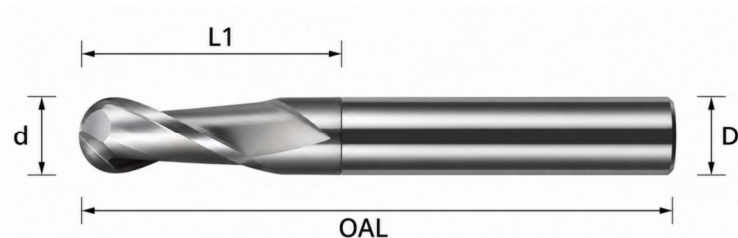
Helix angle: 40° / 42°



68° Carbide End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
68-E-1.0-50-4F	1		3	4	50	4
68-E-1.5-50-4F	1.5		5	4	50	4
68-E-2.0-50-4F	2		6	4	50	4
68-E-2.5-50-4F	2.5		7	4	50	4
68-E-3.0-50A-4F	3		8	3	50	4
68-E-3.0-75A-4F	3		12	3	75	4
68-E-3.0-50B-4F	3		8	4	50	4
68-E-3.5-50-4F	3.5		9	4	50	4
68-E-4.0-50-4F	4		12	4	50	4
68-E-4.0-75-4F	4		16	4	75	4
68-E-4.0-100-4F	4		20	4	100	4
68-E-5.0-50-4F	5		13	5	50	4
68-E-5.0-75-4F	5		20	5	75	4
68-E-5.0-100-4F	5		20	5	100	4
68-E-6.0-50-4F	6		18	6	50	4
68-E-6.0-75-4F	6		24	6	75	4
68-E-6.0-100-4F	6		30	6	100	4
68-E-7.0-60-4F	7		20	8	60	4
68-E-8.0-60-4F	8		24	8	60	4
68-E-8.0-75-4F	8		30	8	75	4
68-E-8.0-100-4F	8		35	8	100	4
68-E-8.0-150-4F	8		45	8	150	4
68-E-9.0-75-4F	9		25	10	75	4
68-E-10-75-4F	10		30	10	75	4
68-E-10-100-4F	10		40	10	100	4
68-E-10-150-4F	10		50	10	150	4
68-E-11-75-4F	11		30	12	75	4
68-E-12-75-4F	12		36	12	75	4
68-E-12-100-4F	12		45	12	100	4
68-E-12-150-4F	12		60	12	150	4
68-E-14-100-4F	14		45	14	100	4
68-E-14-150-4F	14		70	14	150	4
68-E-16-100-4F	16		45	16	100	4
68-E-16-150-4F	16		70	16	150	4
68-E-18-100-4F	18		45	18	100	4
68-E-18-150-4F	18		70	18	150	4
68-E-20-100-4F	20		45	20	100	4
68-E-20-150-4F	20		70	20	150	4



Balzers Coated

Edge honing for longer tool life
Stainless steel / Titanium alloy
Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

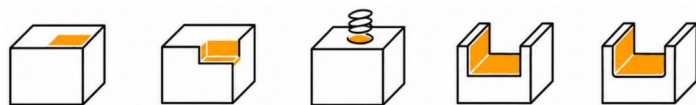
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 45°

68° Carbide Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
68-R-R0.5-50-2F	1	R0.5	2	4	50	2
68-R-R0.75-50-2F	1.5	R0.75	3	4	50	2
68-R-R1.0-50-2F	2	R1.0	4	4	50	2
68-R-R1.25-50-2F	2.5	R1.25	4	4	50	2
68-R-R1.5-50A-2F	3	R1.5	6	3	50	2
68-R-R1.5-50B-2F	3	R1.5	6	4	50	2
68-R-R1.75-50-2F	3.5	R1.75	6	4	50	2
68-R-R2.0-50-2F	4	R2.0	8	4	50	2
68-R-R2.0-75-2F	4	R2.0	8	4	75	2
68-R-R2.0-100-2F	4	R2.0	8	4	100	2
68-R-R2.5-50A-2F	5	R2.5	10	5	50	2
68-R-R2.5-75A-2F	5	R2.5	10	5	75	2
68-R-R3.0-50-2F	6	R3.0	12	6	50	2
68-R-R3.0-75-2F	6	R3.0	12	6	75	2
68-R-R3.0-100-2F	6	R3.0	12	6	100	2
68-R-R4.0-60-2F	8	R4.0	16	8	60	2
68-R-R4.0-75-2F	8	R4.0	16	8	75	2
68-R-R4.0-100-2F	8	R4.0	16	8	100	2
68-R-R5.0-75-2F	10	R5.0	20	10	75	2
68-R-R5.0-100-2F	10	R5.0	20	10	100	2
68-R-R6.0-75-2F	12	R6.0	24	12	75	2
68-R-R6.0-100-2F	12	R6.0	24	12	100	2



Balzers Coated

Unequal flute design

Edge honing for longer tool life

Stainless steel / Titanium alloy

Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

D Shank tolerance: h6

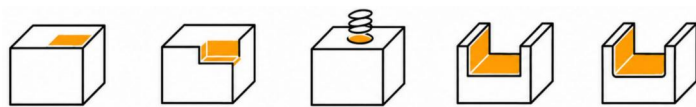
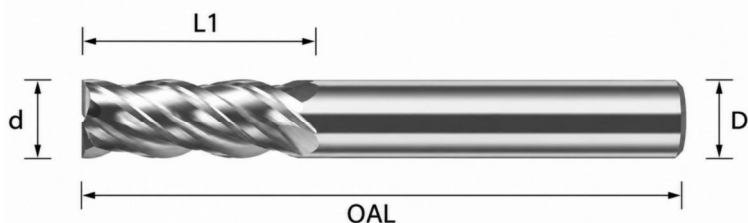
Runout: ≤ 0.01 mm

Helix angle: 40° / 42°

68° Carbide Corner Radius End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
68-C-1.0R0.2-50-4F	1	R0.2	3	4	50	4
68-C-1.5R0.2-50-4F	1.5	R0.2	5	4	50	4
68-C-2.0R0.2-50-4F	2	R0.2	6	4	50	4
68-C-2.0R0.5-50-4F	2	R0.5	6	4	50	4
68-C-2.5R0.2-50-4F	2.5	R0.2	7	4	50	4
68-C-3.0R0.2-50A-4F	3	R0.2	8	3	50	4
68-C-3.0R0.5-50A-4F	3	R0.5	8	3	50	4
68-C-3.0R0.5-75A-4F	3	R0.5	12	3	75	4
68-C-3.0R0.2-50B-4F	3	R0.2	8	4	50	4
68-C-4.0-50R0.2-4F	4	R0.2	12	4	50	4
68-C-4.0-50R0.5-4F	4	R0.5	12	4	50	4
68-C-4.0-50R1.0-4F	4	R1.0	12	4	50	4
68-C-4.0-75R0.2-4F	4	R0.2	16	4	75	4
68-C-4.0-75R0.5-4F	4	R0.5	16	4	75	4
68-C-4.0-75R1.0-4F	4	R1.0	16	4	75	4
68-C-5.0R0.5-50-4F	5	R0.5	13	5	50	4
68-C-5.0R0.5-75-4F	5	R0.5	20	5	75	4
68-C-5.0R0.5-100-4F	5	R0.5	20	5	100	4
68-C-6.0R0.2-50-4F	6	R0.2	18	6	50	4
68-C-6.0R0.5-50-4F	6	R0.5	18	6	50	4
68-C-6.0R1.0-50-4F	6	R1.0	18	6	50	4
68-C-6.0R0.2-75-4F	6	R0.2	24	6	75	4
68-C-6.0R0.5-75-4F	6	R0.5	24	6	75	4
68-C-6.0R1.0-75-4F	6	R1.0	24	6	75	4
68-C-6.0R0.5-100-4F	6	R0.5	30	6	100	4
68-C-6.0R1.0-100-4F	6	R1.0	30	6	100	4
68-C-8.0R0.5-60-4F	8	R0.5	24	8	60	4
68-C-8.0R1.0-60-4F	8	R1.0	24	8	60	4
68-C-8.0R0.5-75-4F	8	R0.5	30	8	75	4
68-C-8.0R1.0-75-4F	8	R1.0	30	8	75	4
68-C-8.0R0.5-100-4F	8	R0.5	35	8	100	4
68-C-8.0R1.0-100-4F	8	R1.0	35	8	100	4
68-C-10R0.5-75-4F	10	R0.5	30	10	75	4
68-C-10R1.0-75-4F	10	R1.0	30	10	75	4
68-C-10R0.5-100-4F	10	R0.5	40	10	100	4
68-C-10R1.0-100-4F	10	R1.0	40	10	100	4
68-C-12R0.5-75-4F	12	R0.5	36	12	75	4
68-C-12R1.0-75-4F	12	R1.0	36	12	75	4
68-C-12R0.5-100-4F	12	R0.5	45	12	100	4
68-C-12R1.0-100-4F	12	R1.0	45	12	100	4



Balzers Premium Coating

Unequal flute design

Edge honing for longer tool life

Stainless steel / Titanium alloy

Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

D Shank tolerance: h6

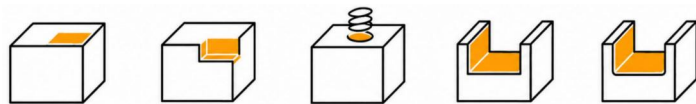
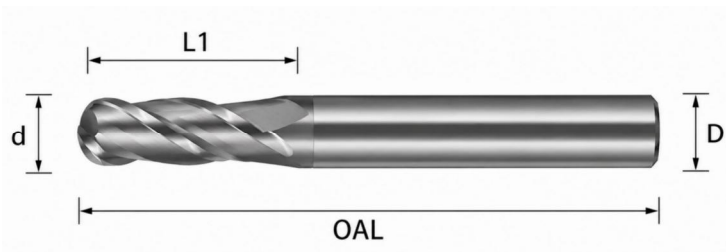
Runout: ≤ 0.01 mm

Helix angle: 40° / 42°

70° Carbide End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
70-E-1.0-50-4F	1		3	4	50	4
70-E-1.5-50-4F	1.5		5	4	50	4
70-E-2.0-50-4F	2		5	4	50	4
70-E-2.5-50-4F	2.5		7	4	50	4
70-E-3.0-50A-4F	3		8	3	50	4
70-E-3.0-75A-4F	3		12	3	75	4
70-E-3.0-50B-4F	3		8	4	50	4
70-E-3.5-50-4F	3.5		10	4	50	4
70-E-4.0-50-4F	4		10	4	50	4
70-E-4.0-75-4F	4		16	4	75	4
70-E-4.0-100-4F	4		20	4	100	4
70-E-5.0-50-4F	5		13	5	50	4
70-E-5.0-75-4F	5		20	5	75	4
70-E-6.0-50-4F	6		15	6	50	4
70-E-6.0-75-4F	6		24	6	75	4
70-E-6.0-100-4F	6		30	6	100	4
70-E-7.0-60-4F	7		20	8	60	4
70-E-8.0-60-4F	8		20	8	60	4
70-E-8.0-75-4F	8		30	8	75	4
70-E-8.0-100-4F	8		35	8	100	4
70-E-8.0-150-4F	8		45	8	150	4
70-E-9.0-75-4F	9		25	10	75	4
70-E-10-75-4F	10		25	10	75	4
70-E-10-100-4F	10		40	10	100	4
70-E-10-150-4F	10		50	10	150	4
70-E-12-75-4F	12		30	12	75	4
70-E-12-100-4F	12		45	12	100	4
70-E-12-150-4F	12		60	12	150	4
70-E-14-100-4F	14		45	14	100	4
70-E-14-150-4F	14		70	14	150	4
70-E-16-100-4F	16		45	16	100	4
70-E-16-150-4F	16		70	16	150	4
70-E-18-100-4F	18		45	18	100	4
70-E-20-100-4F	20		45	20	100	4
70-E-20-150-4F	20		70	20	150	4



Balzers Premium Coating

Edge honing for longer tool life

Stainless steel / Titanium alloy

Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

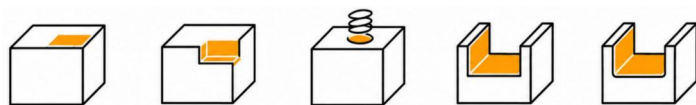
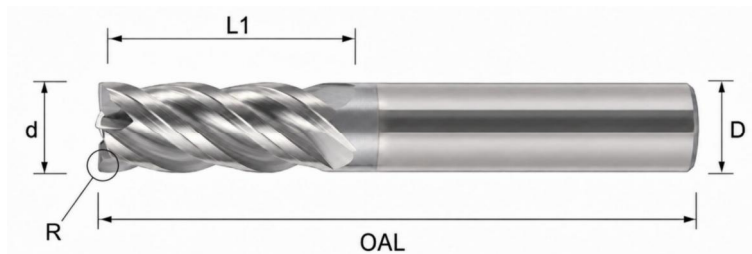
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 45°

70° Carbide Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
70-R-R0.5-50-2F	1	R0.5	2	4	50	2
70-R-R0.75-50-2F	1.5	R0.75	3	4	50	2
70-R-R1.0-50-2F	2	R1.0	4	4	50	2
70-R-R1.25-50-2F	2.5	R1.25	4	4	50	2
70-R-R1.5-50A-2F	3	R1.5	6	3	50	2
70-R-R1.5-50B-2F	3	R1.5	6	4	50	2
70-R-R1.75-50-2F	3.5	R1.75	6	4	50	2
70-R-R2.0-50-2F	4	R2.0	8	4	50	2
70-R-R2.0-75-2F	4	R2.0	8	4	75	2
70-R-R2.5-50A-2F	5	R2.5	10	5	50	2
70-R-R2.5-75A-2F	5	R2.5	10	5	75	2
70-R-R3.0-50-2F	6	R3.0	12	6	50	2
70-R-R3.0-75-2F	6	R3.0	12	6	75	2
70-R-R3.0-100-2F	6	R3.0	12	6	100	2
70-R-R4.0-60-2F	8	R4.0	16	8	60	2
70-R-R4.0-75-2F	8	R4.0	16	8	75	2
70-R-R4.0-100-2F	8	R4.0	16	8	100	2
70-R-R5.0-75-2F	10	R5.0	20	10	75	2
70-R-R5.0-100-2F	10	R5.0	20	10	100	2
70-R-R6.0-75-2F	12	R6.0	24	12	75	2
70-R-R6.0-100-2F	12	R6.0	24	12	100	2



Balzers Premium Coating

Unequal flute design
Edge honing for longer tool life
Stainless steel / Titanium alloy
Mold steel / Steel HRC 55–65

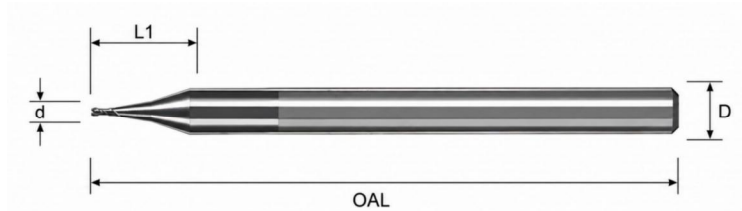
Precision

d tolerance: 0 / -0.02 mm
D Shank tolerance: h6
Runout: ≤ 0.01 mm
Helix angle: 40° / 42°

70° Carbide Corner Radius End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
70-C-1.0R0.2-50-4F	1	R0.2	3	4	50	4
70-C-1.5R0.2-50-4F	1.5	R0.2	5	4	50	4
70-C-2.0R0.2-50-4F	2	R0.2	5	4	50	4
70-C-2.0R0.5-50-4F	2	R0.5	5	4	50	4
70-C-3.0R0.2-50A-4F	3	R0.2	8	3	50	4
70-C-3.0R0.5-75A-4F	3	R0.5	12	3	75	4
70-C-3.0R0.2-50B-4F	3	R0.2	8	4	50	4
70-C-3.0R0.5-50B-4F	3	R0.5	8	4	50	4
70-C-4.0R0.2-50-4F	4	R0.2	10	4	50	4
70-C-4.0R0.5-50-4F	4	R0.5	10	4	50	4
70-C-4.0R0.2-75-4F	4	R0.2	16	4	75	4
70-C-4.0R0.5-75-4F	4	R0.5	16	4	75	4
70-C-4.0R1.0-75-4F	4	R1.0	16	4	75	4
70-C-5.0R0.5-50-4F	5	R0.5	13	5	50	4
70-C-5.0R0.5-75-4F	5	R0.5	20	5	75	4
70-C-6.0R0.2-50-4F	6	R0.2	15	6	50	4
70-C-6.0R0.5-50-4F	6	R0.5	15	6	50	4
70-C-6.0R1.0-50-4F	6	R1.0	15	6	50	4
70-C-6.0R0.5-75-4F	6	R0.5	24	6	75	4
70-C-6.0R1.0-75-4F	6	R1.0	24	6	75	4
70-C-6.0R1.0-100-4F	6	R1.0	30	6	100	4
70-C-8.0R0.5-60-4F	8	R0.5	20	8	60	4
70-C-8.0R1.0-60-4F	8	R1.0	20	8	60	4
70-C-8.0R0.5-75-4F	8	R0.5	30	8	75	4
70-C-8.0R1.0-75-4F	8	R1.0	30	8	75	4
70-C-8.0R0.5-100-4F	8	R0.5	35	8	100	4
70-C-8.0R1.0-100-4F	8	R1.0	35	8	100	4
70-C-10R0.5-75-4F	10	R0.5	25	10	75	4
70-C-10R1.0-75-4F	10	R1.0	25	10	75	4
70-C-10R0.5-100-4F	10	R0.5	40	10	100	4
70-C-10R1.0-100-4F	10	R1.0	40	10	100	4
70-C-12R0.5-75-4F	12	R0.5	30	12	75	4
70-C-12R1.0-75-4F	12	R1.0	30	12	75	4
70-C-12R0.5-100-4F	12	R0.5	45	12	100	4
70-C-12R1.0-100-4F	12	R1.0	45	12	100	4



Balzers Premium Coating

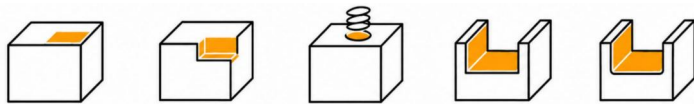
Edge honing for longer tool life
Stainless steel / Titanium alloy
Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

D Shank tolerance: h6

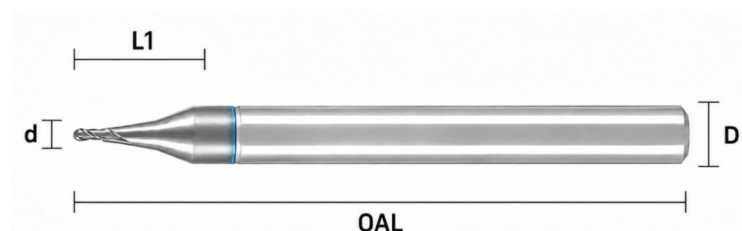
Runout: ≤ 0.01 mm / Helix angle: 45°



68° Carbide Micro End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
68-ES-0.2-50-2F	0.2		0.4	4	50	2
68-ES-0.3-50-2F	0.3		0.6	4	50	2
68-ES-0.4-50-2F	0.4		0.8	4	50	2
68-ES-0.5-50-2F	0.5		1	4	50	2
68-ES-0.6-50-2F	0.6		1.2	4	50	2
68-ES-0.7-50-2F	0.7		1.4	4	50	2
68-ES-0.8-50-2F	0.8		1.6	4	50	2
68-ES-0.9-50-2F	0.9		1.8	4	50	2



Balzers Premium Coating

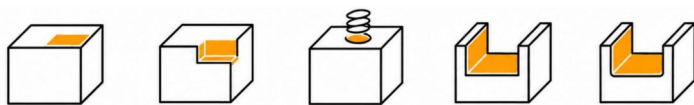
Edge honing for longer tool life
Stainless steel / Titanium alloy
Mold steel / Steel HRC 55–65

Precision

d tolerance: 0 / -0.02 mm

D Shank tolerance: h6

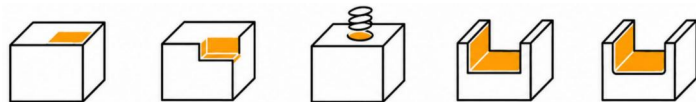
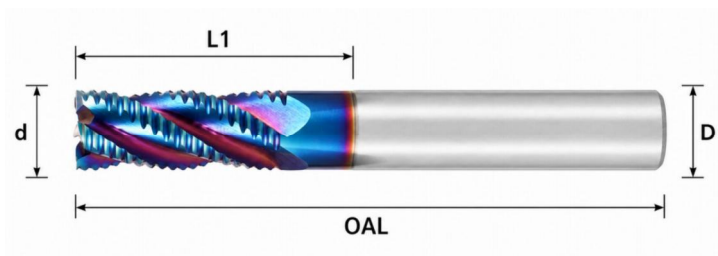
Runout: ≤ 0.01 mm / Helix angle: 45°



68° Carbide Micro Ball Nose End Mill

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
68-ER-R0.1-50-2F	0.2	R0.1	0.4	4	50	2
68-ER-R0.15-50-2F	0.3	R0.15	0.6	4	50	2
68-ER-R0.2-50-2F	0.4	R0.2	0.8	4	50	2
68-ER-R0.25-50-2F	0.5	R0.25	1	4	50	2
68-ER-R0.3-50-2F	0.6	R0.3	1.2	4	50	2
68-ER-R0.35-50-2F	0.7	R0.35	1.4	4	50	2
68-ER-R0.4-50-2F	0.8	R0.4	1.6	4	50	2
68-ER-R0.45-50-2F	0.9	R0.45	1.8	4	50	2



NACO4 Coated

High-efficiency roughing

Stable chip removal

For 45# steel, cast iron and tool steel

Precision

d tolerance: 0 / -0.02 mm

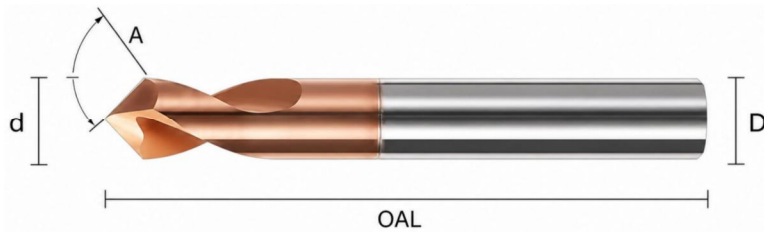
D Shank tolerance: h6

Runout: ≤ 0.01 mm / Helix angle: 35°

65° Carbide Roughing End Mill

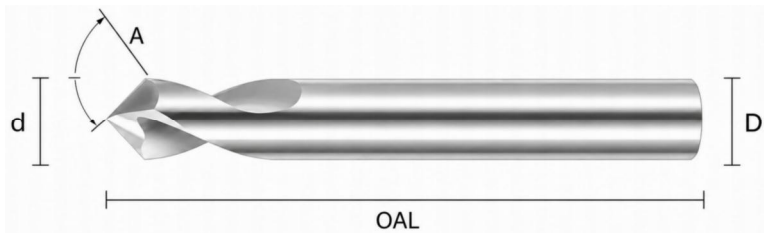
Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
65-ERO-3.0-50-4F	3		8	4	50	4
65-ERO-4.0-50-4F	4		10	4	50	4
65-ERO-5.0-50-4F	5		13	5	50	4
65-ERO-6.0-50-4F	6		15	6	50	4
65-ERO-6.0-75-4F	6		25	6	75	4
65-ERO-6.0-100-4F	6		30	6	100	4
65-ERO-8.0-60-4F	8		20	8	60	4
65-ERO-8.0-75-4F	8		25	8	75	4
65-ERO-8.0-100-4F	8		35	8	100	4
65-ERO-10-75-4F	10		25	10	75	4
65-ERO-10-100-4F	10		40	10	100	4
65-ERO-12-75-4F	12		30	12	75	4
65-ERO-12-100-4F	12		45	12	100	4
65-ERO-14-100-4F	14		40	14	100	4
65-ERO-16-100-4F	16		40	16	100	4
65-ERO-18-100-4F	18		45	18	100	4
65-ERO-20-100-4F	20		45	20	100	4



CDS - NACO4 Coated 60°/ 90°/ 120° Center Drill

High wear resistance
For cast iron, stainless steel
and steel ≤ HRC 40 / Helix angle: 35°



CDL - Uncoated Aluminum 60°/ 90°/ 120° Center Drill

Smooth cutting, reduced burrs
For aluminum / acrylic / copper
Helix angle: 35°

55° Carbide Center Drill - CDS

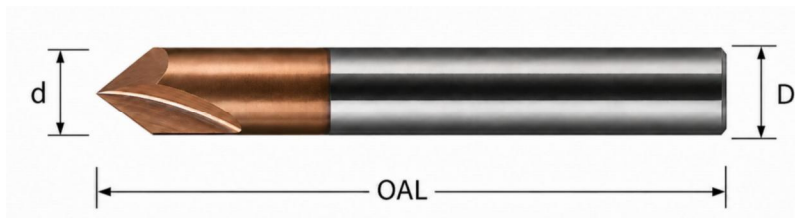
Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
55-CDS-2.0-50-60°-2F	2	60°		4	50	2
55-CDS-3.0-50-60°-2F	3	60°		4	50	2
55-CDS-4.0-50-60°-2F	4	60°		4	50	2
55-CDS-5.0-50-60°-2F	5	60°		5	50	2
55-CDS-6.0-50-60°-2F	6	60°		6	50	2
55-CDS-8.0-60-60°-2F	8	60°		8	60	2
55-CDS-10-75-60°-2F	10	60°		10	75	2
55-CDS-12-75-60°-2F	12	60°		12	75	2
55-CDS-4.0-50-90°-2F	4	90°		4	50	2
55-CDS-6.0-50-90°-2F	6	90°		6	50	2
55-CDS-8.0-60-90°-2F	8	90°		8	60	2
55-CDS-10-75-90°-2F	10	90°		10	75	2
55-CDS-12-75-90°-2F	12	90°		12	75	2
55-CDS-4.0-50-120°-2F	4	120°		4	50	2
55-CDS-6.0-50-120°-2F	6	120°		6	50	2
55-CDS-8.0-60-120°-2F	8	120°		8	60	2
55-CDS-10-75-120°-2F	10	120°		10	75	2
55-CDS-12-75-120°-2F	12	120°		12	75	2

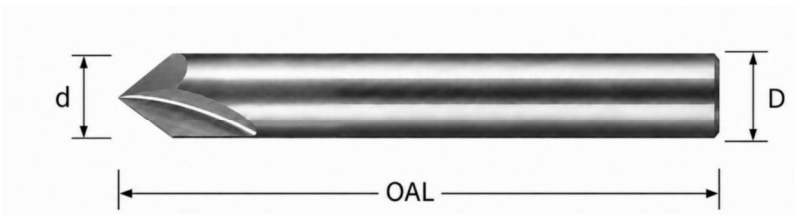
55° Carbide Center Drill - CDL

Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
55-CDL-2.0-50-60°-2F	2	60°		4	50	2
55-CDL-3.0-50-60°-2F	3	60°		4	50	2
55-CDL-4.0-50-60°-2F	4	60°		4	50	2
55-CDL-5.0-50-60°-2F	5	60°		5	50	2
55-CDL-6.0-50-60°-2F	6	60°		6	50	2
55-CDL-8.0-60-60°-2F	8	60°		8	60	2
55-CDL-10-75-60°-2F	10	60°		10	75	2
55-CDL-12-75-60°-2F	12	60°		12	75	2
55-CDL-4.0-50-90°-2F	4	90°		4	50	2
55-CDL-6.0-50-90°-2F	6	90°		6	50	2
55-CDL-8.0-60-90°-2F	8	90°		8	60	2
55-CDL-10-75-90°-2F	10	90°		10	75	2
55-CDL-12-75-90°-2F	12	90°		12	75	2
55-CDL-4.0-50-120°-2F	4	120°		4	50	2
55-CDL-6.0-50-120°-2F	6	120°		6	50	2
55-CDL-8.0-60-120°-2F	8	120°		8	60	2
55-CDL-10-75-120°-2F	10	120°		10	75	2
55-CDL-12-75-120°-2F	12	120°		12	75	2

**CBS - NACO4 Coated****60°/ 90°/ 120° Chamfer End Mill**

Sharp cutting edge

For cast iron, stainless steel
and steel ≤ HRC 40**CBL - Uncoated Aluminum****60°/ 90°/ 120° Chamfer End Mill**

Sharp cutting edge

Smooth cutting, reduced burrs
For aluminum / acrylic / copper**55° Carbide Chamfer End Mill - CBS**

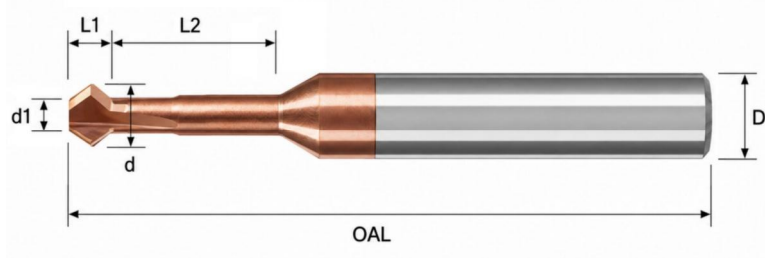
Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
55-CBS-3.0-50-60°-2F	3	60°		3	50	2
55-CBS-4.0-50-60°-2F	4	60°		4	50	2
55-CBS-6.0-50-60°-2F	6	60°		6	50	2
55-CBS-8.0-50-60°-2F	8	60°		8	50	2
55-CBS-10-75-60°-2F	10	60°		10	75	2
55-CBS-12-75-60°-2F	12	60°		12	75	2
55-CBS-3.0-50-90°-2F	3	90°		3	50	2
55-CBS-4.0-50-90°-2F	4	90°		4	50	2
55-CBS-6.0-50-90°-2F	6	90°		6	50	2
55-CBS-8.0-50-90°-2F	8	90°		8	50	2
55-CBS-10-75-90°-2F	10	90°		10	75	2
55-CBS-12-75-90°-2F	12	90°		12	75	2
55-CBS-3.0-50-120°-2F	3	120°		3	50	2
55-CBS-4.0-50-120°-2F	4	120°		4	50	2
55-CBS-6.0-50-120°-2F	6	120°		6	50	2
55-CBS-8.0-50-120°-2F	8	120°		8	50	2
55-CBS-10-75-120°-2F	10	120°		10	75	2
55-CBS-12-75-120°-2F	12	120°		12	75	2

55° Carbide Chamfer End Mill - CBL

Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
55-CBL-3.0-50-60°-2F	3	60°		3	50	2
55-CBL-4.0-50-60°-2F	4	60°		4	50	2
55-CBL-6.0-50-60°-2F	6	60°		6	50	2
55-CBL-8.0-50-60°-2F	8	60°		8	50	2
55-CBL-10-75-60°-2F	10	60°		10	75	2
55-CBL-12-75-60°-2F	12	60°		12	75	2
55-CBL-3.0-50-90°-2F	3	90°		3	50	2
55-CBL-4.0-50-90°-2F	4	90°		4	50	2
55-CBL-6.0-50-90°-2F	6	90°		6	50	2
55-CBL-8.0-50-90°-2F	8	90°		8	50	2
55-CBL-10-75-90°-2F	10	90°		10	75	2
55-CBL-12-75-90°-2F	12	90°		12	75	2
55-CBL-3.0-50-120°-2F	3	120°		3	50	2
55-CBL-4.0-50-120°-2F	4	120°		4	50	2
55-CBL-6.0-50-120°-2F	6	120°		6	50	2
55-CBL-8.0-50-120°-2F	8	120°		8	50	2
55-CBL-10-75-120°-2F	10	120°		10	75	2
55-CBL-12-75-120°-2F	12	120°		12	75	2



TBS - NACO4 Coated

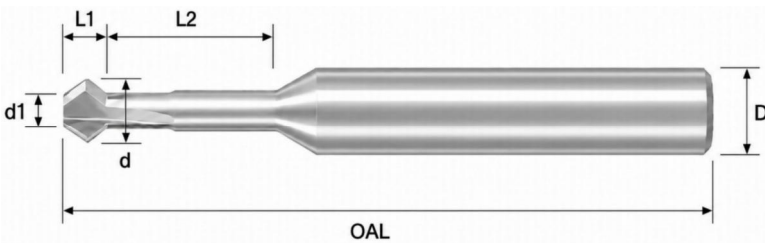
Top & Bottom Chamfer End Mill

Sharp cutting edge

Smooth cutting surface

For Stainless steel / Alloy steel /

Spring steel / Cast iron / Carbon steel



TBL - Uncoated Aluminum

Top & Bottom Chamfer End Mill

Sharp cutting edge

Smooth cutting, reduced burrs

For aluminum / acrylic / copper

60° Carbide Top & Bottom Chamfer End Mill - TBS

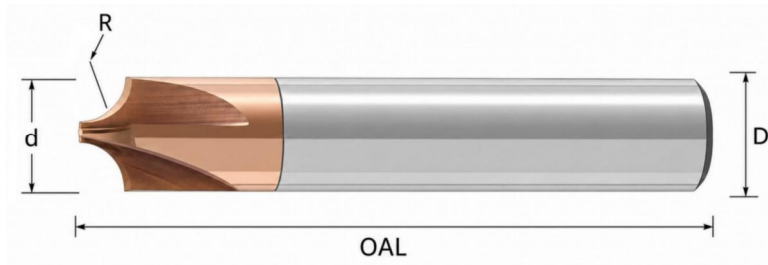
Unit: mm

Order No.	Ød	d1	A°	L1	L2	ØD	OAL	Flutes
60-TBS-2.0-50-90°-4F	2	1	90°	1	4	4	50	4
60-TBS-2.5-50-90°-4F	2.5	1.25	90°	1.3	6	4	50	4
60-TBS-3.0-50-90°-4F	3	1.5	90°	1.5	8	4	50	4
60-TBS-4.0-50-90°-4F	4	2	90°	2	8	4	50	4
60-TBS-5.0-50-90°-4F	5	2.5	90°	2.5	10	6	50	4
60-TBS-6.0-50-90°-4F	6	3	90°	3	10	6	50	4
60-TBS-8.0-60-90°-4F	8	4	90°	4	12	8	60	4
60-TBS-10-75-90°-4F	10	5	90°	5	15	10	75	4
60-TBS-12-75-90°-4F	12	6	90°	6	18	12	75	4

60° Carbide Top & Bottom Chamfer End Mill - TBL

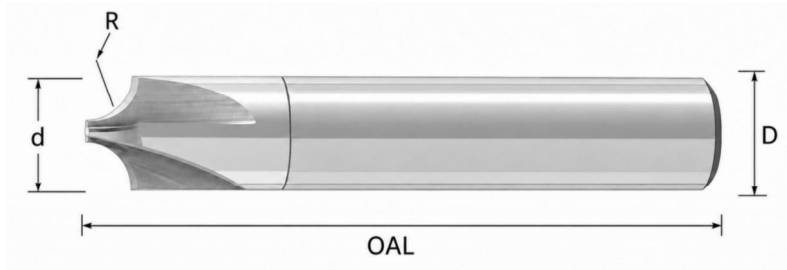
Unit: mm

Order No.	Ød	d1	A°	L1	L2	ØD	OAL	Flutes
60-TBL-2.0-50-90°-4F	2	1	90°	1	4	4	50	4
60-TBL-2.5-50-90°-4F	2.5	1.25	90°	1.3	6	4	50	4
60-TBL-3.0-50-90°-4F	3	1.5	90°	1.5	8	4	50	4
60-TBL-4.0-50-90°-4F	4	2	90°	2	8	4	50	4
60-TBL-5.0-50-90°-4F	5	2.5	90°	2.5	10	6	50	4
60-TBL-6.0-50-90°-4F	6	3	90°	3	10	6	50	4
60-TBL-8.0-60-90°-4F	8	4	90°	4	12	8	60	4
60-TBL-10-75-90°-4F	10	5	90°	5	15	10	75	4
60-TBL-12-75-90°-4F	12	6	90°	6	18	12	75	4



IRS - NACO4 Coated Internal Radius End Mill

Sharp cutting edge
Smooth cutting surface
For Stainless steel / Alloy steel /
Spring steel / Cast iron / Carbon steel



IRL - Uncoated Aluminum Internal Radius End Mill

Sharp cutting edge
Smooth cutting, reduced burrs
For aluminum / acrylic / copper

58° Carbide Internal Radius End Mill - IRS

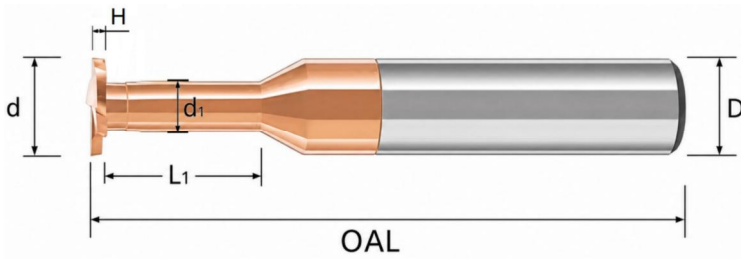
Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
58-IRS-4.0-R0.5-50-4F	4	R0.5		4	50	4
58-IRS-4.0-R0.75-50-4F	4	R0.75		4	50	4
58-IRS-4.0-R1.0-50-4F	4	R1.0		4	50	4
58-IRS-6.0-R1.5-50-4F	6	R1.5		6	50	4
58-IRS-6.0-R2.0-50-4F	6	R2.0		6	50	4
58-IRS-6.0-R2.5-50-4F	6	R2.5		6	50	4
58-IRS-8.0-R3.0-60-4F	8	R3.0		8	60	4
58-IRS-10-R4.0-60-4F	10	R4.0		10	60	4
58-IRS-12-R5.0-60-4F	12	R5.0		12	60	4

58° Carbide Internal Radius End Mill - IRL

Unit: mm

Order No.	Ød	R	L1	ØD	OAL	Flutes
58-IRL-4.0-R0.5-50-4F	4	R0.5		4	50	4
58-IRL-4.0-R0.75-50-4F	4	R0.75		4	50	4
58-IRL-4.0-R1.0-50-4F	4	R1.0		4	50	4
58-IRL-6.0-R1.5-50-4F	6	R1.5		6	50	4
58-IRL-6.0-R2.0-50-4F	6	R2.0		6	50	4
58-IRL-6.0-R2.5-50-4F	6	R2.5		6	50	4
58-IRL-8.0-R3.0-60-4F	8	R3.0		8	60	4
58-IRL-10-R4.0-60-4F	10	R4.0		10	60	4
58-IRL-12-R5.0-60-4F	12	R5.0		12	60	4

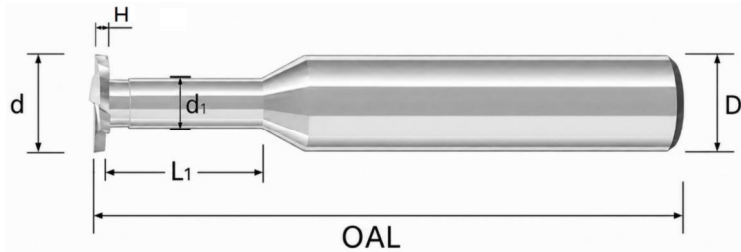
**TS - NACO4 Coated****T-Slot End Mill**

Sharp cutting edge

Smooth cutting surface

For Stainless steel / Alloy steel /

Spring steel / Cast iron / Carbon steel

**TL - Uncoated Aluminum****T-Slot End Mill**

Sharp cutting edge

Smooth cutting, reduced burrs

For aluminum / acrylic / copper

60° Carbide T-Slot End Mill - TS

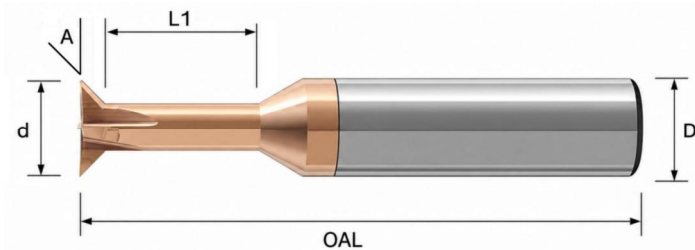
Unit: mm

Order No.	Ød	d1	H	L1	ØD	OAL	Flutes
60-TS-4.0-0.5H-50-4F	4	2	0.5	6	4	50	4
60-TS-4.0-1.0H-50-4F	4	2	1	6	4	50	4
60-TS-4.0-1.5H-50-4F	4	2	1.5	6	4	50	4
60-TS-4.0-2.0H-50-4F	4	2	2	6	6	50	4
60-TS-6.0-1.0H-50-4F	6	6	1	8	6	50	4
60-TS-6.0-1.5H-50-4F	6	6	1.5	8	6	50	4
60-TS-6.0-2.0H-50-4F	6	6	2	8	6	50	4
60-TS-8.0-1.0H-50-4F	8	4	1	12	8	50	4
60-TS-8.0-1.5H-50-4F	8	4	1.5	12	8	50	4
60-TS-8.0-2.0H-50-4F	8	4	2	12	8	50	4
60-TS-10-1.0H-60-4F	10	5	1	15	10	60	4
60-TS-10-1.5H-60-4F	10	5	1.5	15	10	60	4
60-TS-10-2.0H-60-4F	10	5	2	15	10	60	4
60-TS-12-1.0H-60-4F	12	6	1	15	12	60	4
60-TS-12-1.5H-60-4F	12	6	1.5	15	12	60	4
60-TS-12-2.0H-60-4F	12	6	2	15	12	60	4
60-TS-12-3.0H-60-4F	12	6	3	15	12	60	4

60° Carbide T-Slot End Mill - TL

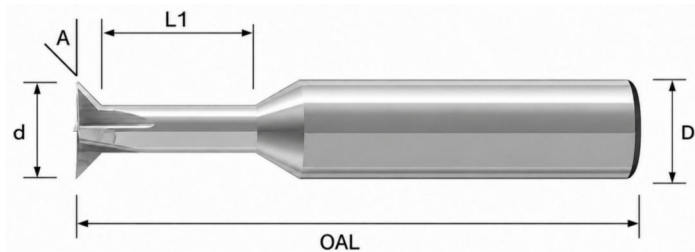
Unit: mm

Order No.	Ød	d1	H	L1	ØD	OAL	Flutes
60-TL-4.0-0.5H-50-4F	4	2	0.5	6	4	50	4
60-TL-4.0-1.0H-50-4F	4	2	1	6	4	50	4
60-TL-4.0-1.5H-50-4F	4	2	1.5	6	4	50	4
60-TL-4.0-2.0H-50-4F	4	2	2	6	6	50	4
60-TL-6.0-1.0H-50-4F	6	6	1	8	6	50	4
60-TL-6.0-1.5H-50-4F	6	6	1.5	8	6	50	4
60-TL-6.0-2.0H-50-4F	6	6	2	8	6	50	4
60-TL-8.0-1.0H-50-4F	8	4	1	12	8	50	4
60-TL-8.0-1.5H-50-4F	8	4	1.5	12	8	50	4
60-TL-8.0-2.0H-50-4F	8	4	2	12	8	50	4
60-TL-10-1.0H-60-4F	10	5	1	15	10	60	4
60-TL-10-1.5H-60-4F	10	5	1.5	15	10	60	4
60-TL-10-2.0H-60-4F	10	5	2	15	10	60	4
60-TL-12-1.0H-60-4F	12	6	1	15	12	60	4
60-TL-12-1.5H-60-4F	12	6	1.5	15	12	60	4
60-TL-12-2.0H-60-4F	12	6	2	15	12	60	4
60-TL-12-3.0H-60-4F	12	6	3	15	12	60	4



UDS - NACO4 Coated Undercut Dovetail End Mill

Sharp cutting edge
Smooth cutting surface
For Stainless steel / Alloy steel /
Spring steel / Cast iron / Carbon steel



UDL - Uncoated Aluminum Undercut Dovetail End Mill

Sharp cutting edge
Smooth cutting, reduced burrs
For aluminum / acrylic / copper

60° Carbide Undercut Dovetail End Mill - UDS

Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
60-UDS-3.0-50-45°-4F	3	45°		4	50	4
60-UDS-4.0-50-45°-4F	4	45°		4	50	4
60-UDS-5.0-50-45°-4F	5	45°		6	50	4
60-UDS-6.0-50-45°-4F	6	45°		6	50	4
60-UDS-8.0-60-45°-4F	8	45°		8	60	4
60-UDS-10-60-45°-4F	10	45°		10	60	4
60-UDS-12-60-45°-4F	12	45°		12	60	4
60-UDS-3.0-50-60°-4F	3	60°		4	50	4
60-UDS-4.0-50-60°-4F	4	60°		4	50	4
60-UDS-5.0-50-60°-4F	5	60°		6	50	4
60-UDS-6.0-50-60°-4F	6	60°		6	50	4
60-UDS-8.0-60-60°-4F	8	60°		8	60	4
60-UDS-10-60-60°-4F	10	60°		10	60	4
60-UDS-12-60-60°-4F	12	60°		12	60	4

60° Carbide Undercut Dovetail End Mill - UDL

Unit: mm

Order No.	Ød	A°	L1	ØD	OAL	Flutes
60-UDL-3.0-50-45°-4F	3	45°		4	50	4
60-UDL-4.0-50-45°-4F	4	45°		4	50	4
60-UDL-5.0-50-45°-4F	5	45°		6	50	4
60-UDL-6.0-50-45°-4F	6	45°		6	50	4
60-UDL-8.0-60-45°-4F	8	45°		8	60	4
60-UDL-10-60-45°-4F	10	45°		10	60	4
60-UDL-12-60-45°-4F	12	45°		12	60	4
60-UDL-3.0-50-60°-4F	3	60°		4	50	4
60-UDL-4.0-50-60°-4F	4	60°		4	50	4
60-UDL-5.0-50-60°-4F	5	60°		6	50	4
60-UDL-6.0-50-60°-4F	6	60°		6	50	4
60-UDL-8.0-60-60°-4F	8	60°		8	60	4
60-UDL-10-60-60°-4F	10	60°		10	60	4
60-UDL-12-60-60°-4F	12	60°		12	60	4

PRONIXT

PRECISION TOOLING SOLUTIONS

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