



ENDMILL

Square Endmill

Naming Rules	G02
EM55 (4F) Series	G03
EMLN55 (4F) Series	G04
EM55CR0.5 (4F) Series	G05
EM55CR1.0 (4F) Series	G06
EM65 (4F) Series	G07
EMAL45 (2F) Series	G08
EMAL45 (3F) Series	G09

Ballnose

BN55 (2F) Series	G11
BN55 (4F) Series	G12
BNLN55 (2F) Series	G13
BN65 (2F) Series	G14
BN65 (4F) Series	G15
BNAL45 (2F) Series	G16



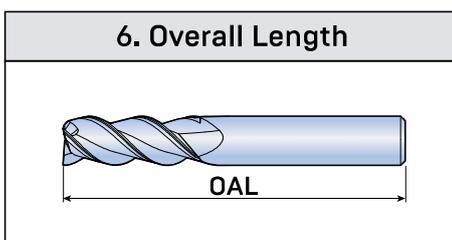
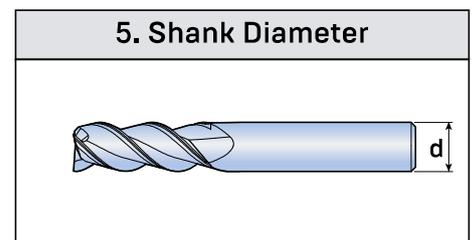
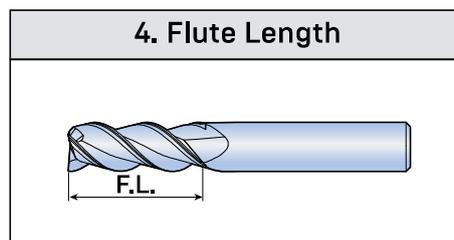
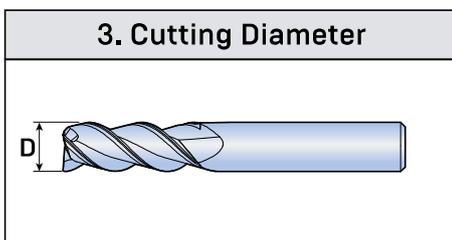
SQUARE ENDMILL

Endmill Naming Rules

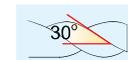
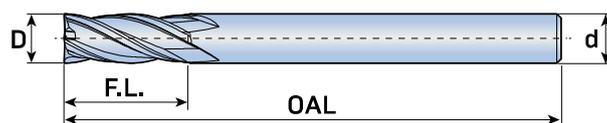


1. Endmill Type		
EM	SQUARE	
BN	BALL NOSE	
EMAL	SQUARE (Uncoated)	
BNAL	BALL NOSE (Uncoated)	
EMLN	SQUARE LONG NECK	
BNLN	BALL NOSE LONG NECK	
CR0.5	CORNER RADIUS	

2. HRC	
45	45 HRC
50	50 HRC
55	55 HRC
60	60 HRC
65	65 HRC



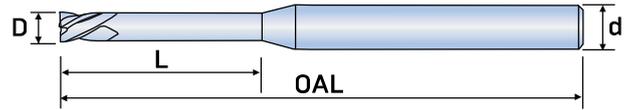
7. No. of Flute		
2F	2 Flutes	
3F	3 Flutes	
4F	4 Flutes	



4 Flute Square Endmill (55 HRC) EM55 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EM55-1.0-4-50-4F	1.0	3.0	4.0	50	4	●
EM55-1.5-4-50-4F	1.5	4.5	4.0	50	4	●
EM55-2.0-4-50-4F	2.0	6.0	4.0	50	4	●
EM55-2.5-4-50-4F	2.5	7.0	4.0	50	4	●
EM55-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
EM55-3.0-3-75-4F	3.0	12.0	3.0	75	4	●
EM55-3.0-3-100-4F	3.0	15.0	3.0	100	4	●
EM55-3.0-4-50-4F	3.0	9.0	4.0	50	4	●
EM55-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
EM55-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
EM55-4.0-4-100-4F	4.0	20.0	4.0	100	4	●
EM55-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
EM55-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
EM55-5.0-5-100-4F	5.0	25.0	5.0	100	4	●
EM55-5.0-6-50-4F	5.0	15.0	6.0	50	4	●
EM55-5.0-6-75-4F	5.0	20.0	6.0	75	4	●
EM55-5.0-6-100-4F	5.0	25.0	6.0	100	4	●
EM55-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
EM55-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
EM55-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
EM55-6.0-6-150-4F	6.0	40.0	6.0	150	4	●
EM55-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
EM55-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
EM55-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
EM55-8.0-8-150-4F	8.0	45.0	8.0	150	4	●
EM55-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
EM55-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
EM55-10.0-10-150-4F	10.0	50.0	10.0	150	4	●
EM55-10.0-10-200-4F	10.0	70.0	10.0	200	4	●
EM55-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
EM55-12.0-12-100-4F	12.0	45.0	12.0	100	4	●
EM55-12.0-12-150-4F	12.0	55.0	12.0	150	4	●
EM55-12.0-12-200-4F	12.0	70.0	12.0	200	4	●
EM55-16.0-16-100-4F	16.0	45.0	16.0	100	4	●
EM55-16.0-16-150-4F	16.0	70.0	16.0	150	4	●
EM55-16.0-16-200-4F	16.0	100.0	16.0	200	4	●
EM55-20.0-20-100-4F	20.0	45.0	20.0	100	4	●
EM55-20.0-20-150-4F	20.0	70.0	20.0	150	4	●
EM55-20.0-20-200-4F	20.0	100.0	20.0	200	4	●

● - Always Stock Available ○ - Make to Order

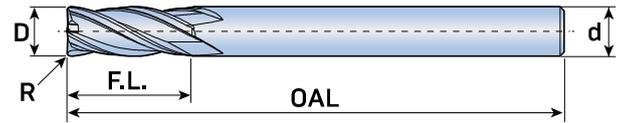


4 Flute Long Neck Endmill (55 HRC)

EMLN55 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	L	d	OAL		
EMLN55-1.0-6-50-2F	1.0	6	4.0	50	2	●
EMLN55-1.0-8-50-2F	1.0	8	4.0	50	2	●
EMLN55-1.0-10-50-2F	1.0	10	4.0	50	2	●
EMLN55-1.0-12-50-2F	1.0	12	4.0	50	2	●
EMLN55-1.0-16-50-2F	1.0	16	4.0	50	2	●
EMLN55-1.0-20-50-2F	1.0	20	4.0	50	2	●
EMLN55-1.5-6-50-2F	1.5	6	4.0	50	2	●
EMLN55-1.5-8-50-2F	1.5	8	4.0	50	2	●
EMLN55-1.5-10-50-2F	1.5	10	4.0	50	2	●
EMLN55-1.5-12-50-2F	1.5	12	4.0	50	2	●
EMLN55-1.5-16-50-2F	1.5	16	4.0	50	2	●
EMLN55-1.5-20-50-2F	1.5	20	4.0	50	2	●
EMLN55-2.0-6-50-2F	2.0	6	4.0	50	2	●
EMLN55-2.0-8-50-2F	2.0	8	4.0	50	2	●
EMLN55-2.0-10-50-2F	2.0	10	4.0	50	2	●
EMLN55-2.0-12-50-2F	2.0	12	4.0	50	2	●
EMLN55-2.0-16-50-2F	2.0	16	4.0	50	2	●
EMLN55-2.0-20-50-2F	2.0	20	4.0	50	2	●
EMLN55-2.5-6-50-2F	2.5	6	4.0	50	2	●
EMLN55-2.5-8-50-2F	2.5	8	4.0	50	2	●
EMLN55-2.5-10-50-2F	2.5	10	4.0	50	2	●
EMLN55-2.5-12-50-2F	2.5	12	4.0	50	2	●
EMLN55-2.5-16-50-2F	2.5	16	4.0	50	2	●
EMLN55-2.5-20-50-2F	2.5	20	4.0	50	2	●
EMLN55-3.0-6-50-2F	3.0	6	4.0	50	2	●
EMLN55-3.0-8-50-2F	3.0	8	4.0	50	2	●
EMLN55-3.0-10-50-2F	3.0	10	4.0	50	2	●
EMLN55-3.0-12-50-2F	3.0	12	4.0	50	2	●
EMLN55-3.0-16-50-2F	3.0	16	4.0	50	2	●
EMLN55-3.0-20-50-2F	3.0	20	4.0	50	2	●

● - Always Stock Available ○ - Make to Order

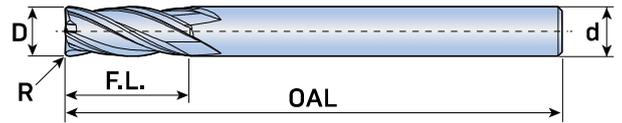


4 Flute Corner Radius Endmill (55 HRC)

EM55CR0.5 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EM55CR0.5-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
EM55CR0.5-3.0-3-75-4F	3.0	12.0	3.0	75	4	○
EM55CR0.5-3.0-3-100-4F	3.0	15.0	3.0	100	4	○
EM55CR0.5-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
EM55CR0.5-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
EM55CR0.5-4.0-4-100-4F	4.0	20.0	4.0	100	4	○
EM55CR0.5-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
EM55CR0.5-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
EM55CR0.5-5.0-5-100-4F	5.0	25.0	5.0	100	4	○
EM55CR0.5-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
EM55CR0.5-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
EM55CR0.5-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
EM55CR0.5-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
EM55CR0.5-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
EM55CR0.5-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
EM55CR0.5-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
EM55CR0.5-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
EM55CR0.5-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
EM55CR0.5-12.0-12-100-4F	12.0	45.0	12.0	100	4	●

● - Always Stock Available ○ - Make to Order

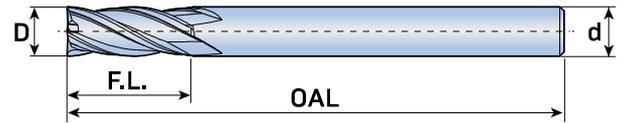


4 Flute Corner Radius Endmill (55 HRC)

EM55CR1.0 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EM55CR1.0-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
EM55CR1.0-3.0-3-75-4F	3.0	12.0	3.0	75	4	○
EM55CR1.0-3.0-3-100-4F	3.0	15.0	3.0	100	4	○
EM55CR1.0-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
EM55CR1.0-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
EM55CR1.0-4.0-4-100-4F	4.0	20.0	4.0	100	4	○
EM55CR1.0-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
EM55CR1.0-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
EM55CR1.0-5.0-5-100-4F	5.0	25.0	5.0	100	4	○
EM55CR1.0-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
EM55CR1.0-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
EM55CR1.0-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
EM55CR1.0-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
EM55CR1.0-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
EM55CR1.0-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
EM55CR1.0-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
EM55CR1.0-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
EM55CR1.0-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
EM55CR1.0-12.0-12-100-4F	12.0	45.0	12.0	100	4	●

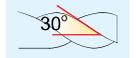
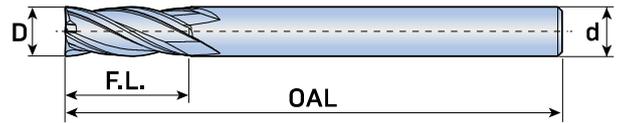
● - Always Stock Available ○ - Make to Order



4 Flute Square Endmill (65 HRC) EM65 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EM65-1.0-4-50-4F	1.0	3.0	4.0	50	4	●
EM65-1.5-4-50-4F	1.5	4.5	4.0	50	4	●
EM65-2.0-4-50-4F	2.0	6.0	4.0	50	4	●
EM65-2.5-4-50-4F	2.5	7.0	4.0	50	4	●
EM65-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
EM65-3.0-3-75-4F	3.0	12.0	3.0	75	4	●
EM65-3.0-3-100-4F	3.0	15.0	3.0	100	4	●
EM65-3.0-4-50-4F	3.0	9.0	4.0	50	4	●
EM65-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
EM65-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
EM65-4.0-4-100-4F	4.0	20.0	4.0	100	4	●
EM65-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
EM65-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
EM65-5.0-5-100-4F	5.0	25.0	5.0	100	4	●
EM65-5.0-6-50-4F	5.0	15.0	6.0	50	4	●
EM65-5.0-6-75-4F	5.0	20.0	6.0	75	4	●
EM65-5.0-6-100-4F	5.0	25.0	6.0	100	4	●
EM65-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
EM65-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
EM65-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
EM65-6.0-6-150-4F	6.0	40.0	6.0	150	4	●
EM65-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
EM65-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
EM65-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
EM65-8.0-8-150-4F	8.0	45.0	8.0	150	4	●
EM65-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
EM65-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
EM65-10.0-10-150-4F	10.0	50.0	10.0	150	4	●
EM65-10.0-10-200-4F	10.0	70.0	10.0	200	4	●
EM65-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
EM65-12.0-12-100-4F	12.0	45.0	12.0	100	4	●
EM65-12.0-12-150-4F	12.0	55.0	12.0	150	4	●
EM65-12.0-12-200-4F	12.0	70.0	12.0	200	4	●
EM65-16.0-16-100-4F	16.0	45.0	16.0	100	4	●
EM65-16.0-16-150-4F	16.0	70.0	16.0	150	4	●
EM65-16.0-16-200-4F	16.0	100.0	16.0	200	4	●
EM65-20.0-20-100-4F	20.0	45.0	20.0	100	4	●
EM65-20.0-20-150-4F	20.0	70.0	20.0	150	4	●
EM65-20.0-20-200-4F	20.0	100.0	20.0	200	4	●

● - Always Stock Available ○ - Make to Order



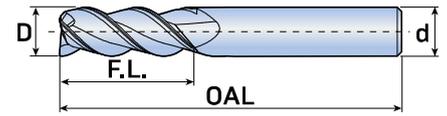
2 Flute Square Aluminium Endmill (45 HRC)

EMAL45 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EMAL45-1.0-4-50-2F	1.0	3.0	4.0	50	2	●
EMAL45-1.5-4-50-2F	1.5	4.5	4.0	50	2	●
EMAL45-2.0-4-50-2F	2.0	6.0	4.0	50	2	●
EMAL45-2.5-4-50-2F	2.5	7.0	4.0	50	2	●
EMAL45-3.0-3-50-2F	3.0	9.0	3.0	50	2	●
EMAL45-3.0-3-75-2F	3.0	12.0	3.0	75	2	●
EMAL45-3.0-3-100-2F	3.0	15.0	3.0	100	2	●
EMAL45-3.0-4-50-2F	3.0	9.0	4.0	50	2	●
EMAL45-4.0-4-50-2F	4.0	12.0	4.0	50	2	●
EMAL45-4.0-4-75-2F	4.0	16.0	4.0	75	2	●
EMAL45-4.0-4-100-2F	4.0	20.0	4.0	100	2	●
EMAL45-5.0-5-50-2F	5.0	13.0	5.0	50	2	●
EMAL45-5.0-5-75-2F	5.0	20.0	5.0	75	2	●
EMAL45-5.0-5-100-2F	5.0	25.0	5.0	100	2	●
EMAL45-5.0-6-50-2F	5.0	15.0	6.0	50	2	●
EMAL45-5.0-6-75-2F	5.0	20.0	6.0	75	2	●
EMAL45-5.0-6-100-2F	5.0	25.0	6.0	100	2	●
EMAL45-6.0-6-50-2F	6.0	18.0	6.0	50	2	●
EMAL45-6.0-6-75-2F	6.0	24.0	6.0	75	2	●
EMAL45-6.0-6-100-2F	6.0	30.0	6.0	100	2	●
EMAL45-8.0-8-60-2F	8.0	24.0	8.0	60	2	●
EMAL45-8.0-8-75-2F	8.0	30.0	8.0	75	2	●
EMAL45-8.0-8-100-2F	8.0	35.0	8.0	100	2	●
EMAL45-10.0-10-75-2F	10.0	30.0	10.0	75	2	●
EMAL45-10.0-10-100-2F	10.0	40.0	10.0	100	2	●
EMAL45-12.0-12-75-2F	12.0	36.0	12.0	75	2	●
EMAL45-12.0-12-100-2F	12.0	45.0	12.0	100	2	●
EMAL45-16.0-16-100-2F	16.0	45.0	16.0	100	2	●
EMAL45-20.0-20-100-2F	20.0	45.0	20.0	100	2	●

● - Always Stock Available

○ - Make to Order



3 Flute Square Aluminium Endmill [45 HRC]

EMAL45 Series

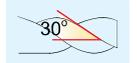
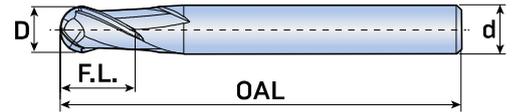
Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
EMAL45-1.0-4-50-3F	1.0	3.0	4.0	50	3	●
EMAL45-1.5-4-50-3F	1.5	4.5	4.0	50	3	●
EMAL45-2.0-4-50-3F	2.0	6.0	4.0	50	3	●
EMAL45-2.5-4-50-3F	2.5	7.0	4.0	50	3	●
EMAL45-3.0-3-50-3F	3.0	9.0	3.0	50	3	●
EMAL45-3.0-3-75-3F	3.0	12.0	3.0	75	3	●
EMAL45-3.0-3-100-3F	3.0	15.0	3.0	100	3	●
EMAL45-3.0-4-50-3F	3.0	9.0	4.0	50	3	●
EMAL45-4.0-4-50-3F	4.0	12.0	4.0	50	3	●
EMAL45-4.0-4-75-3F	4.0	16.0	4.0	75	3	●
EMAL45-4.0-4-100-3F	4.0	20.0	4.0	100	3	●
EMAL45-5.0-5-50-3F	5.0	13.0	5.0	50	3	●
EMAL45-5.0-5-75-3F	5.0	20.0	5.0	75	3	●
EMAL45-5.0-5-100-3F	5.0	25.0	5.0	100	3	●
EMAL45-5.0-6-50-3F	5.0	15.0	6.0	50	3	●
EMAL45-5.0-6-75-3F	5.0	20.0	6.0	75	3	●
EMAL45-5.0-6-100-3F	5.0	25.0	6.0	100	3	●
EMAL45-6.0-6-50-3F	6.0	18.0	6.0	50	3	●
EMAL45-6.0-6-75-3F	6.0	24.0	6.0	75	3	●
EMAL45-6.0-6-100-3F	6.0	30.0	6.0	100	3	●
EMAL45-8.0-8-60-3F	8.0	24.0	8.0	60	3	●
EMAL45-8.0-8-75-3F	8.0	30.0	8.0	75	3	●
EMAL45-8.0-8-100-3F	8.0	35.0	8.0	100	3	●
EMAL45-10.0-10-75-3F	10.0	30.0	10.0	75	3	●
EMAL45-10.0-10-100-3F	10.0	40.0	10.0	100	3	●
EMAL45-12.0-12-75-3F	12.0	36.0	12.0	75	3	●
EMAL45-12.0-12-100-3F	12.0	45.0	12.0	100	3	●
EMAL45-16.0-16-100-3F	16.0	45.0	16.0	100	3	●
EMAL45-20.0-20-100-3F	20.0	45.0	20.0	100	3	●

● - Always Stock Available ○ - Make to Order



BALLNOSE ENDMILL



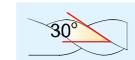
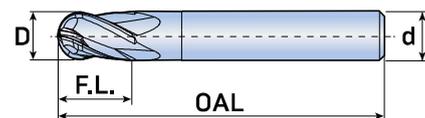


2 Flute Ballnose (55 HRC)

BN55 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
BN55-1.0-4-50-2F	1.0	3.0	4.0	50	2	●
BN55-1.5-4-50-2F	1.5	4.5	4.0	50	2	●
BN55-2.0-4-50-2F	2.0	6.0	4.0	50	2	●
BN55-2.5-4-50-2F	2.5	7.0	4.0	50	2	●
BN55-3.0-3-50-2F	3.0	9.0	3.0	50	2	●
BN55-3.0-3-75-2F	3.0	12.0	3.0	75	2	●
BN55-3.0-3-100-2F	3.0	15.0	3.0	100	2	●
BN55-3.0-4-50-2F	3.0	9.0	4.0	50	2	●
BN55-4.0-4-50-2F	4.0	12.0	4.0	50	2	●
BN55-4.0-4-75-2F	4.0	16.0	4.0	75	2	●
BN55-4.0-4-100-2F	4.0	20.0	4.0	100	2	●
BN55-5.0-5-50-2F	5.0	13.0	5.0	50	2	●
BN55-5.0-5-75-2F	5.0	20.0	5.0	75	2	●
BN55-5.0-5-100-2F	5.0	25.0	5.0	100	2	●
BN55-5.0-6-50-2F	5.0	15.0	6.0	50	2	●
BN55-5.0-6-75-2F	5.0	20.0	6.0	75	2	●
BN55-5.0-6-100-2F	5.0	25.0	6.0	100	2	●
BN55-6.0-6-50-2F	6.0	18.0	6.0	50	2	●
BN55-6.0-6-75-2F	6.0	24.0	6.0	75	2	●
BN55-6.0-6-100-2F	6.0	30.0	6.0	100	2	●
BN55-6.0-6-150-2F	6.0	40.0	6.0	150	2	●
BN55-8.0-8-60-2F	8.0	24.0	8.0	60	2	●
BN55-8.0-8-75-2F	8.0	30.0	8.0	75	2	●
BN55-8.0-8-100-2F	8.0	35.0	8.0	100	2	●
BN55-8.0-8-150-2F	8.0	45.0	8.0	150	2	●
BN55-10.0-10-75-2F	10.0	30.0	10.0	75	2	●
BN55-10.0-10-100-2F	10.0	40.0	10.0	100	2	●
BN55-10.0-10-150-2F	10.0	50.0	10.0	150	2	●
BN55-10.0-10-200-2F	10.0	70.0	10.0	200	2	●
BN55-12.0-12-75-2F	12.0	36.0	12.0	75	2	●
BN55-12.0-12-100-2F	12.0	45.0	12.0	100	2	●
BN55-12.0-12-150-2F	12.0	55.0	12.0	150	2	●
BN55-12.0-12-200-2F	12.0	70.0	12.0	200	2	●
BN55-16.0-16-100-2F	16.0	45.0	16.0	100	2	●
BN55-16.0-16-150-2F	16.0	70.0	16.0	150	2	●
BN55-16.0-16-200-2F	16.0	100.0	16.0	200	2	●
BN55-20.0-20-100-2F	20.0	45.0	20.0	100	2	●
BN55-20.0-20-150-2F	20.0	70.0	20.0	150	2	●
BN55-20.0-20-200-2F	20.0	100.0	20.0	200	2	●

● - Always Stock Available ○ - Make to Order

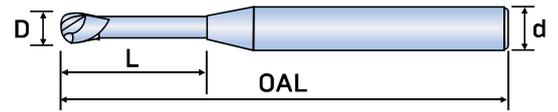


4 Flute Ballnose (55 HRC)

BN55 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
BN55-1.0-4-50-4F	1.0	3.0	4.0	50	4	●
BN55-1.5-4-50-4F	1.5	4.5	4.0	50	4	●
BN55-2.0-4-50-4F	2.0	6.0	4.0	50	4	●
BN55-2.5-4-50-4F	2.5	7.0	4.0	50	4	●
BN55-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
BN55-3.0-3-75-4F	3.0	12.0	3.0	75	4	●
BN55-3.0-3-100-4F	3.0	15.0	3.0	100	4	●
BN55-3.0-4-50-4F	3.0	9.0	4.0	50	4	●
BN55-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
BN55-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
BN55-4.0-4-100-4F	4.0	20.0	4.0	100	4	●
BN55-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
BN55-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
BN55-5.0-5-100-4F	5.0	25.0	5.0	100	4	●
BN55-5.0-6-50-4F	5.0	15.0	6.0	50	4	●
BN55-5.0-6-75-4F	5.0	20.0	6.0	75	4	●
BN55-5.0-6-100-4F	5.0	25.0	6.0	100	4	●
BN55-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
BN55-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
BN55-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
BN55-6.0-6-150-4F	6.0	40.0	6.0	150	4	●
BN55-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
BN55-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
BN55-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
BN55-8.0-8-150-4F	8.0	45.0	8.0	150	4	●
BN55-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
BN55-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
BN55-10.0-10-150-4F	10.0	50.0	10.0	150	4	●
BN55-10.0-10-200-4F	10.0	70.0	10.0	200	4	●
BN55-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
BN55-12.0-12-100-4F	12.0	45.0	12.0	100	4	●
BN55-12.0-12-150-4F	12.0	55.0	12.0	150	4	●
BN55-12.0-12-200-4F	12.0	70.0	12.0	200	4	●
BN55-16.0-16-100-4F	16.0	45.0	16.0	100	4	●
BN55-16.0-16-150-4F	16.0	70.0	16.0	150	4	●
BN55-16.0-16-200-4F	16.0	100.0	16.0	200	4	●
BN55-20.0-20-100-4F	20.0	45.0	20.0	100	4	●
BN55-20.0-20-150-4F	20.0	70.0	20.0	150	4	●
BN55-20.0-20-200-4F	20.0	100.0	20.0	200	4	●

● - Always Stock Available ○ - Make to Order



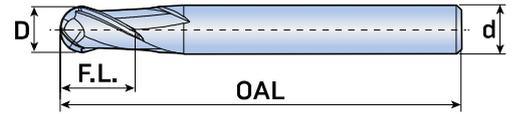
2

2 Flute Long Neck Ballnose (55 HRC)

BNLN55 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	L	d	OAL		
BNLN55-1.0-6-50-2F	1.0	6	4.0	50	2	●
BNLN55-1.0-8-50-2F	1.0	8	4.0	50	2	●
BNLN55-1.0-10-50-2F	1.0	10	4.0	50	2	●
BNLN55-1.0-12-50-2F	1.0	12	4.0	50	2	●
BNLN55-1.0-16-50-2F	1.0	16	4.0	50	2	●
BNLN55-1.0-20-50-2F	1.0	20	4.0	50	2	●
BNLN55-1.5-6-50-2F	1.5	6	4.0	50	2	●
BNLN55-1.5-8-50-2F	1.5	8	4.0	50	2	●
BNLN55-1.5-10-50-2F	1.5	10	4.0	50	2	●
BNLN55-1.5-12-50-2F	1.5	12	4.0	50	2	●
BNLN55-1.5-16-50-2F	1.5	16	4.0	50	2	●
BNLN55-1.5-20-50-2F	1.5	20	4.0	50	2	●
BNLN55-2.0-6-50-2F	2.0	6	4.0	50	2	●
BNLN55-2.0-8-50-2F	2.0	8	4.0	50	2	●
BNLN55-2.0-10-50-2F	2.0	10	4.0	50	2	●
BNLN55-2.0-12-50-2F	2.0	12	4.0	50	2	●
BNLN55-2.0-16-50-2F	2.0	16	4.0	50	2	●
BNLN55-2.0-20-50-2F	2.0	20	4.0	50	2	●
BNLN55-2.5-6-50-2F	2.5	6	4.0	50	2	●
BNLN55-2.5-8-50-2F	2.5	8	4.0	50	2	●
BNLN55-2.5-10-50-2F	2.5	10	4.0	50	2	●
BNLN55-2.5-12-50-2F	2.5	12	4.0	50	2	●
BNLN55-2.5-16-50-2F	2.5	16	4.0	50	2	●
BNLN55-2.5-20-50-2F	2.5	20	4.0	50	2	●
BNLN55-3.0-6-50-2F	3.0	6	4.0	50	2	●
BNLN55-3.0-8-50-2F	3.0	8	4.0	50	2	●
BNLN55-3.0-10-50-2F	3.0	10	4.0	50	2	●
BNLN55-3.0-12-50-2F	3.0	12	4.0	50	2	●
BNLN55-3.0-16-50-2F	3.0	16	4.0	50	2	●
BNLN55-3.0-20-50-2F	3.0	20	4.0	50	2	●

● - Always Stock Available ○ - Make to Order

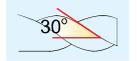
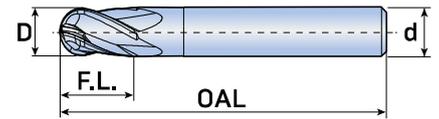


2 Flute Ballnose (65 HRC)

BN65 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
BN65-1.0-4-50-2F	1.0	3.0	4.0	50	2	●
BN65-1.5-4-50-2F	1.5	4.5	4.0	50	2	●
BN65-2.0-4-50-2F	2.0	6.0	4.0	50	2	●
BN65-2.5-4-50-2F	2.5	7.0	4.0	50	2	●
BN65-3.0-3-50-2F	3.0	9.0	3.0	50	2	●
BN65-3.0-3-75-2F	3.0	12.0	3.0	75	2	●
BN65-3.0-3-100-2F	3.0	15.0	3.0	100	2	●
BN65-3.0-4-50-2F	3.0	9.0	4.0	50	2	●
BN65-4.0-4-50-2F	4.0	12.0	4.0	50	2	●
BN65-4.0-4-75-2F	4.0	16.0	4.0	75	2	●
BN65-4.0-4-100-2F	4.0	20.0	4.0	100	2	●
BN65-5.0-5-50-2F	5.0	13.0	5.0	50	2	●
BN65-5.0-5-75-2F	5.0	20.0	5.0	75	2	●
BN65-5.0-5-100-2F	5.0	25.0	5.0	100	2	●
BN65-5.0-6-50-2F	5.0	15.0	6.0	50	2	●
BN65-5.0-6-75-2F	5.0	20.0	6.0	75	2	●
BN65-5.0-6-100-2F	5.0	25.0	6.0	100	2	●
BN65-6.0-6-50-2F	6.0	18.0	6.0	50	2	●
BN65-6.0-6-75-2F	6.0	24.0	6.0	75	2	●
BN65-6.0-6-100-2F	6.0	30.0	6.0	100	2	●
BN65-6.0-6-150-2F	6.0	40.0	6.0	150	2	●
BN65-8.0-8-60-2F	8.0	24.0	8.0	60	2	●
BN65-8.0-8-75-2F	8.0	30.0	8.0	75	2	●
BN65-8.0-8-100-2F	8.0	35.0	8.0	100	2	●
BN65-8.0-8-150-2F	8.0	45.0	8.0	150	2	●
BN65-10.0-10-75-2F	10.0	30.0	10.0	75	2	●
BN65-10.0-10-100-2F	10.0	40.0	10.0	100	2	●
BN65-10.0-10-150-2F	10.0	50.0	10.0	150	2	●
BN65-10.0-10-200-2F	10.0	70.0	10.0	200	2	●
BN65-12.0-12-75-2F	12.0	36.0	12.0	75	2	●
BN65-12.0-12-100-2F	12.0	45.0	12.0	100	2	●
BN65-12.0-12-150-2F	12.0	55.0	12.0	150	2	●
BN65-12.0-12-200-2F	12.0	70.0	12.0	200	2	●
BN65-16.0-16-100-2F	16.0	45.0	16.0	100	2	●
BN65-16.0-16-150-2F	16.0	70.0	16.0	150	2	●
BN65-16.0-16-200-2F	16.0	100.0	16.0	200	2	●
BN65-20.0-20-100-2F	20.0	45.0	20.0	100	2	●
BN65-20.0-20-150-2F	20.0	70.0	20.0	150	2	●
BN65-20.0-20-200-2F	20.0	100.0	20.0	200	2	●

● - Always Stock Available ○ - Make to Order

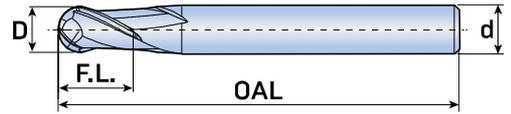


4 Flute Ballnose (65 HRC)

BN65 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
BN65-1.0-4-50-4F	1.0	3.0	4.0	50	4	●
BN65-1.5-4-50-4F	1.5	4.5	4.0	50	4	●
BN65-2.0-4-50-4F	2.0	6.0	4.0	50	4	●
BN65-2.5-4-50-4F	2.5	7.0	4.0	50	4	●
BN65-3.0-3-50-4F	3.0	9.0	3.0	50	4	●
BN65-3.0-3-75-4F	3.0	12.0	3.0	75	4	●
BN65-3.0-3-100-4F	3.0	15.0	3.0	100	4	●
BN65-3.0-4-50-4F	3.0	9.0	4.0	50	4	●
BN65-4.0-4-50-4F	4.0	12.0	4.0	50	4	●
BN65-4.0-4-75-4F	4.0	16.0	4.0	75	4	●
BN65-4.0-4-100-4F	4.0	20.0	4.0	100	4	●
BN65-5.0-5-50-4F	5.0	13.0	5.0	50	4	●
BN65-5.0-5-75-4F	5.0	20.0	5.0	75	4	●
BN65-5.0-5-100-4F	5.0	25.0	5.0	100	4	●
BN65-5.0-6-50-4F	5.0	15.0	6.0	50	4	●
BN65-5.0-6-75-4F	5.0	20.0	6.0	75	4	●
BN65-5.0-6-100-4F	5.0	25.0	6.0	100	4	●
BN65-6.0-6-50-4F	6.0	18.0	6.0	50	4	●
BN65-6.0-6-75-4F	6.0	24.0	6.0	75	4	●
BN65-6.0-6-100-4F	6.0	30.0	6.0	100	4	●
BN65-6.0-6-150-4F	6.0	40.0	6.0	150	4	●
BN65-8.0-8-60-4F	8.0	24.0	8.0	60	4	●
BN65-8.0-8-75-4F	8.0	30.0	8.0	75	4	●
BN65-8.0-8-100-4F	8.0	35.0	8.0	100	4	●
BN65-8.0-8-150-4F	8.0	45.0	8.0	150	4	●
BN65-10.0-10-75-4F	10.0	30.0	10.0	75	4	●
BN65-10.0-10-100-4F	10.0	40.0	10.0	100	4	●
BN65-10.0-10-150-4F	10.0	50.0	10.0	150	4	●
BN65-10.0-10-200-4F	10.0	70.0	10.0	200	4	●
BN65-12.0-12-75-4F	12.0	36.0	12.0	75	4	●
BN65-12.0-12-100-4F	12.0	45.0	12.0	100	4	●
BN65-12.0-12-150-4F	12.0	55.0	12.0	150	4	●
BN65-12.0-12-200-4F	12.0	70.0	12.0	200	4	●
BN65-16.0-16-100-4F	16.0	45.0	16.0	100	4	●
BN65-16.0-16-150-4F	16.0	70.0	16.0	150	4	●
BN65-16.0-16-200-4F	16.0	100.0	16.0	200	4	●
BN65-20.0-20-100-4F	20.0	45.0	20.0	100	4	●
BN65-20.0-20-150-4F	20.0	70.0	20.0	150	4	●
BN65-20.0-20-200-4F	20.0	100.0	20.0	200	4	●

● - Always Stock Available ○ - Make to Order



2 Flute Aluminium Ballnose (45 HRC)

BNAL45 Series

Description	Dimensions (mm)				Number of Flutes	Stock
	D	F.L.	d	OAL		
BNAL45-1.0-4-50-2F	1.0	3.0	4.0	50	2	●
BNAL45-1.5-4-50-2F	1.5	4.5	4.0	50	2	●
BNAL45-2.0-4-50-2F	2.0	6.0	4.0	50	2	●
BNAL45-2.5-4-50-2F	2.5	7.0	4.0	50	2	●
BNAL45-3.0-3-50-2F	3.0	9.0	3.0	50	2	●
BNAL45-3.0-3-75-2F	3.0	12.0	3.0	75	2	●
BNAL45-3.0-3-100-2F	3.0	15.0	3.0	100	2	●
BNAL45-3.0-4-50-2F	3.0	9.0	4.0	50	2	●
BNAL45-4.0-4-50-2F	4.0	12.0	4.0	50	2	●
BNAL45-4.0-4-75-2F	4.0	16.0	4.0	75	2	●
BNAL45-4.0-4-100-2F	4.0	20.0	4.0	100	2	●
BNAL45-5.0-5-50-2F	5.0	13.0	5.0	50	2	●
BNAL45-5.0-5-75-2F	5.0	20.0	5.0	75	2	●
BNAL45-5.0-5-100-2F	5.0	25.0	5.0	100	2	●
BNAL45-5.0-6-50-2F	5.0	15.0	6.0	50	2	●
BNAL45-5.0-6-75-2F	5.0	20.0	6.0	75	2	●
BNAL45-5.0-6-100-2F	5.0	25.0	6.0	100	2	●
BNAL45-6.0-6-50-2F	6.0	18.0	6.0	50	2	●
BNAL45-6.0-6-75-2F	6.0	24.0	6.0	75	2	●
BNAL45-6.0-6-100-2F	6.0	30.0	6.0	100	2	●
BNAL45-8.0-8-60-2F	8.0	24.0	8.0	60	2	●
BNAL45-8.0-8-75-2F	8.0	30.0	8.0	75	2	●
BNAL45-8.0-8-100-2F	8.0	35.0	8.0	100	2	●
BNAL45-10.0-10-75-2F	10.0	30.0	10.0	75	2	●
BNAL45-10.0-10-100-2F	10.0	40.0	10.0	100	2	●
BNAL45-12.0-12-75-2F	12.0	36.0	12.0	75	2	●
BNAL45-12.0-12-100-2F	12.0	45.0	12.0	100	2	●
BNAL45-16.0-16-100-2F	16.0	45.0	16.0	100	2	●
BNAL45-20.0-20-100-2F	20.0	45.0	20.0	100	2	●

● - Always Stock Available ○ - Make to Order