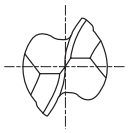
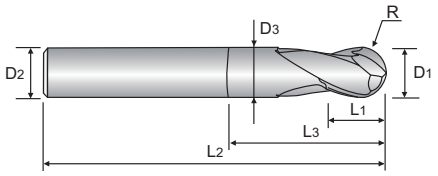
CARBIDE, 2 FLUTE BALL NOSE LONG LENGTH

▶ Designed for machining high-hardened materials, dry cutting, and high-speed cutting.
▶ Consistently delivers an exceptional workpiece finish and boasts high wear resistance.







CARBIDE | 2 | 30° | R ±0.005 (D≤Ø6) | R ±0.010 (D>Ø6) | PLAIN | Z-VG Coating

p. 75

Size	Mill Dia.Tolerance (mm)	Shank Dia.Tolerance
up to Ø6	0 ~ - 0.012	h5
over Ø6	0 ~ - 0.015	

GFJ69 SERIES

Unit : mm

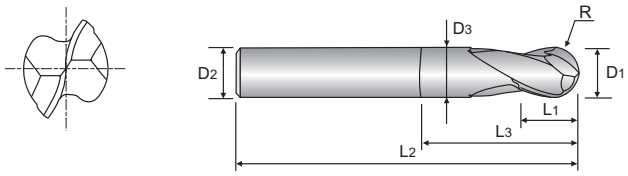
EDP No.	Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
	R	D1	D2	L1	L3	L2	D3
GFJ69004010	R0.2	0.4	4	0.4	1	45	0.37
GFJ69004020	R0.2	0.4	4	0.4	2	45	0.37
GFJ69004030	R0.2	0.4	4	0.4	3	45	0.37
GFJ69004040	R0.2	0.4	4	0.4	4	45	0.37
GFJ69004050	R0.2	0.4	4	0.4	5	45	0.37
GFJ69005020	R0.25	0.5	4	0.5	2	45	0.45
GFJ69005040	R0.25	0.5	4	0.5	4	45	0.45
GFJ69005060	R0.25	0.5	4	0.5	6	45	0.45
GFJ69005080	R0.25	0.5	4	0.5	8	45	0.45
GFJ69006020	R0.3	0.6	4	0.6	2	45	0.55
GFJ69006030	R0.3	0.6	4	0.6	3	45	0.55
GFJ69006040	R0.3	0.6	4	0.6	4	45	0.55
GFJ69006050	R0.3	0.6	4	0.6	5	45	0.55
GFJ69006060	R0.3	0.6	4	0.6	6	45	0.55
GFJ69006080	R0.3	0.6	4	0.6	8	45	0.55
GFJ69006100	R0.3	0.6	4	0.6	10	45	0.55
GFJ69008020	R0.4	0.8	4	0.8	2	45	0.75
GFJ69008040	R0.4	0.8	4	0.8	4	45	0.75
GFJ69008060	R0.4	0.8	4	0.8	6	45	0.75
GFJ69008080	R0.4	0.8	4	0.8	8	45	0.75
GFJ69008100	R0.4	0.8	4	0.8	10	45	0.75
GFJ69010030	R0.5	1.0	4	1	3	45	0.95
GFJ69010040	R0.5	1.0	4	1	4	45	0.95
GFJ69010050	R0.5	1.0	4	1	5	45	0.95
GFJ69010060	R0.5	1.0	4	1	6	45	0.95
GFJ69010070	R0.5	1.0	4	1	7	45	0.95
GFJ69010080	R0.5	1.0	4	1	8	45	0.95
GFJ69010100	R0.5	1.0	4	1	10	45	0.95
GFJ69010120	R0.5	1.0	4	1	12	45	0.95
GFJ69010140	R0.5	1.0	4	1	14	50	0.95

▶ NEXT PAGE

CARBIDE, 2 FLUTE BALL NOSE LONG LENGTH

▶ Designed to machine Steels, Stainless steels, Titanium, and Heat-Resistant Super Alloys.
▶ Fine pitch wave geometry for high speed machining of hardened steels.





CARBIDE | 2 | 30° | R ±0.005 (D≤Ø6) | R ±0.010 (D>Ø6) | PLAIN | Z-VG Coating

p. 75

Size	Mill Dia.Tolerance (mm)	Shank Dia.Tolerance
up to Ø6	0 ~ - 0.012	h5
over Ø6	0 ~ - 0.015	

GFJ69 SERIES

Unit : mm

EDP No.	Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
	R	D1	D2	L1	L3	L2	D3
GFJ69010160	R0.5	1.0	4	1	16	50	0.95
GFJ69010200	R0.5	1.0	4	1	20	55	0.95
GFJ69012060	R0.6	1.2	4	1.2	6	45	1.15
GFJ69012080	R0.6	1.2	4	1.2	8	45	1.15
GFJ69012100	R0.6	1.2	4	1.2	10	45	1.15
GFJ69012120	R0.6	1.2	4	1.2	12	45	1.15
GFJ69015060	R0.75	1.5	4	1.5	6	45	1.45
GFJ69015080	R0.75	1.5	4	1.5	8	45	1.45
GFJ69015100	R0.75	1.5	4	1.5	10	45	1.45
GFJ69015120	R0.75	1.5	4	1.5	12	45	1.45
GFJ69015140	R0.75	1.5	4	1.5	14	50	1.45
GFJ69015160	R0.75	1.5	4	1.5	16	50	1.45
GFJ69015200	R0.75	1.5	4	1.5	20	55	1.45
GFJ69020040	R1.0	2.0	4	2	4	45	1.95
GFJ69020060	R1.0	2.0	4	2	6	45	1.95
GFJ69020080	R1.0	2.0	4	2	8	45	1.95
GFJ69020100	R1.0	2.0	4	2	10	45	1.95
GFJ69020120	R1.0	2.0	4	2	12	50	1.95
GFJ69020140	R1.0	2.0	4	2	14	50	1.95
GFJ69020160	R1.0	2.0	4	2	16	50	1.95
GFJ69020180	R1.0	2.0	4	2	18	55	1.95
GFJ69020200	R1.0	2.0	4	2	20	55	1.95
GFJ69020220	R1.0	2.0	4	2	22	60	1.95
GFJ69020260	R1.0	2.0	4	2	26	70	1.95
GFJ69020300	R1.0	2.0	4	2	30	70	1.95
GFJ69030120	R1.5	3.0	6	3	12	50	2.85
GFJ69030140	R1.5	3.0	6	3	14	55	2.85
GFJ69030160	R1.5	3.0	6	3	16	55	2.85
GFJ69030180	R1.5	3.0	6	3	18	60	2.85
GFJ69030200	R1.5	3.0	6	3	20	60	2.85

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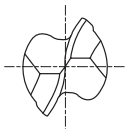
END MILLS for HARDENED MATERIAL

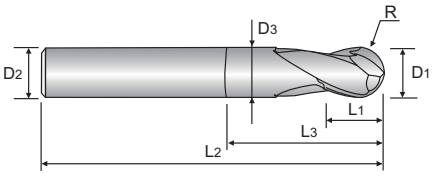
NEW CENTURY

CARBIDE, 2 FLUTE BALL NOSE LONG LENGTH

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▶ Consistently delivers an exceptional workpiece finish and boasts high wear resistance.







CARBIDE | 2 | 30° | R ±0.005 (D≤Ø6) | R ±0.010 (D>Ø6) | PLAIN | Z-VG Coating

p. 75

Size	Mill Dia.Tolerance (mm)	Shank Dia.Tolerance
up to Ø6	0 ~ - 0.012	h5
over Ø6	0 ~ - 0.015	

GFJ69 SERIES

Unit : mm

EDP No.	Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
	R	D1	D2	L1	L3	L2	D3
GFJ69030260	R1.5	3.0	6	3	26	70	2.85
GFJ69030300	R1.5	3.0	6	3	30	70	2.85
GFJ69030360	R1.5	3.0	6	3	36	80	2.85
GFJ69040120	R2.0	4.0	6	4	12	60	3.85
GFJ69040160	R2.0	4.0	6	4	16	60	3.85
GFJ69040200	R2.0	4.0	6	4	20	65	3.85
GFJ69040260	R2.0	4.0	6	4	26	70	3.85
GFJ69040300	R2.0	4.0	6	4	30	70	3.85
GFJ69040360	R2.0	4.0	6	4	36	80	3.85
GFJ69040400	R2.0	4.0	6	4	40	90	3.85
GFJ69040460	R2.0	4.0	6	4	46	90	3.85
GFJ69040500	R2.0	4.0	6	4	50	100	3.85

· Phone: +82-32-526-0909, www.yg1.solutions, E-mail: yg1@yg1.solutions