

BSE<sup>®</sup>



BSKT<sup>®</sup>  
信耐螺纹技术

# PRODUCT BROCHURE

## CARBIDE THREAD MILLING CUTTER SMALL BORING TOOL SERIES

螺纹铣刀系列  
小径镗刀系列





# Company Profile

• Keep improving • Quality wins • Customer satisfaction

The company specializes in the production of high-quality, high-precision solid carbide mini boring tool series, solid carbide thread milling cutters (single tooth, two teeth, three teeth, full teeth, M, BSP, G, BSPT, PT, NPT, NPTF , UNC, UNF, UNEF), a wide range of types, complete specifications, stock in stock; customized thread milling cutters according to the workpiece to be processed by customers, to solve various special threads such as deep hole, high efficiency, high hardness, thin wall, multi-head, cavity, etc. , greatly improving the efficiency and quality of processing threaded holes.

It can meet the requirements of IT industry, aviation, aerospace, automobile, medical, watch, mold and other fields, such as copper, aluminum, carbon steel, alloy steel, all kinds of cast iron, stainless steel, titanium alloy, high temperature alloy, mold steel and other materials processing.

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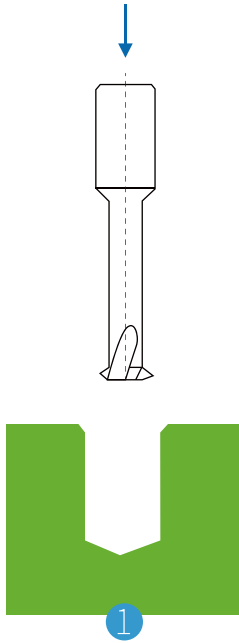
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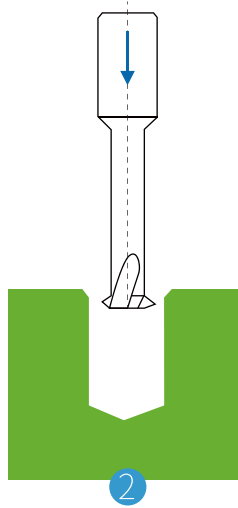
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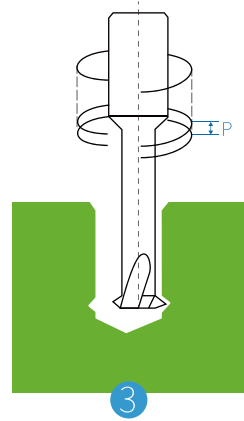
**Process of single tooth thread milling cutter**



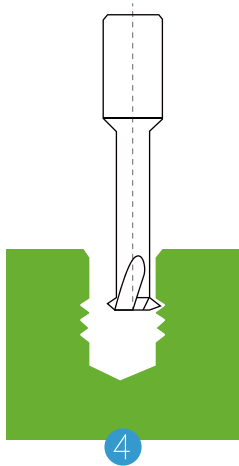
1  
Position over bottom hole



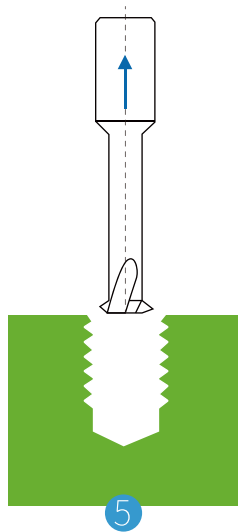
2  
Lower the tool to the desired thread depth



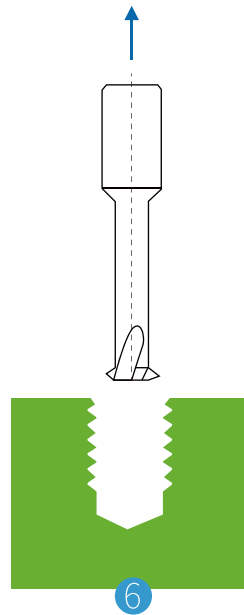
3  
Spiral feed goes up one pitch



4  
Repeat processing upwards according to a pitch P until the thread is completed



5  
180° exit to neutral position



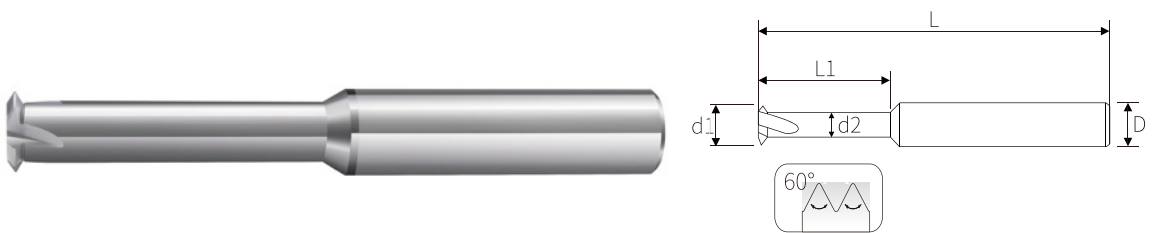
6  
The tool retracts to the starting position

## Features

- There are not many thread workpieces suitable for processing proofing parts, and there are many thread specifications and models. It can also process American threads. The single-tooth thread has low processing resistance and strong versatility.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						



UNIT=MM

Item Code	SIZE						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE001S001	M0.8*0.2	0.55	0.32	1.5	4.0	50	2
BSE001S002	M0.9*0.225	0.625	0.35	1.8	4.0	50	2
BSE001S003	M1.0*0.25	0.72	0.43	2.5	4.0	50	2
BSE001S004	M1.2*0.25	0.9	0.63	3.2	4.0	50	2
BSE001S005	M1.4*0.3	1.05	0.7	3.5	4.0	50	3
BSE001S006	M1.6*0.35	1.2	0.8	4.0	4.0	50	3
BSE001S007	M2.0*0.4	1.55	0.9	6.0	4.0	50	3
BSE001S008	M2.5*0.45	1.96	1.3	6.5	4.0	50	3
BSE001S009	M3.0*0.5	2.35	1.6	8.0	4.0	50	4
BSE001S010	M4.0*0.7	3.15	2.1	10	4.0	50	4
BSE001S011	M5.0*0.8	3.9	2.8	12	4.0	50	4
BSE001S012	M6.0*1.0	4.8	3.4	15	6.0	50	4
BSE001S013	M8.0*1.25	6.0	4.2	20	6.0	60	4
BSE001S014	M10*1.5	7.7	5.6	25	8.0	60	4
BSE001S015	M12*1.75	9.6	7.3	30	10	75	4
BSE001S016	M14*2.0	10	7.3	36	10	75	4
BSE001S017	M18*2.5	12	8.8	38	12	75	4
BSE001S018	M24*3.0	14	10.2	48	14	100	6
BSE001S019	M30*3.5	16	11.5	50	16	100	6

## Features

- Suitable processing proofing pieces thread workpiece, thread specifications and models, can also process American thread, The single-button teeth have low processing resistance, strong versatility and easy to use  
The use of superalloy, titanium alloy special coating, improve the tool resistance and high temperature melting problems, so as to achieve longevity

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



UNIT=MM

Item Code	SIZE						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE050S017	M1.0*0.25	0.72	0.43	2.5	4.0	50	2
BSE050S015	M1.2*0.25	0.9	0.63	3.2	4.0	50	2
BSE050S016	M1.4*0.3	1.05	0.7	3.5	4.0	50	2
BSE050S001	M1.6*0.35	1.2	0.8	4.0	4.0	50	3
BSE050S002	M2.0*0.4	1.55	0.9	6.0	4.0	50	3
BSE050S003	M2.5*0.45	1.96	1.3	6.5	4.0	50	3
BSE050S004	M3.0*0.5	2.35	1.6	8.0	4.0	50	4
BSE050S005	M4.0*0.7	3.15	2.1	10	4.0	50	4
BSE050S006	M5.0*0.8	3.9	2.8	12	4.0	50	4
BSE050S007	M6.0*1.0	4.8	3.4	15	6.0	50	4
BSE050S008	M8.0*1.25	6.0	4.2	20	6.0	60	4
BSE050S009	M10*1.5	7.7	5.6	25	8.0	60	4
BSE050S010	M12*1.75	9.6	7.3	30	10	75	4
BSE050S011	M14*2.0	10	7.3	36	10	75	4
BSE050S012	M18*2.5	12	8.8	38	12	75	4
BSE050S013	M24*3.0	14	10.2	48	14	100	6
BSE050S014	M30*3.5	16	11.5	50	16	100	6

## Features

- Suitable for processing sample pieces with a small number of threaded holes and multiple thread specifications, making them easy to use  
Single thread processing has low resistance and can process deeper threaded holes

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						



UNIT=MM

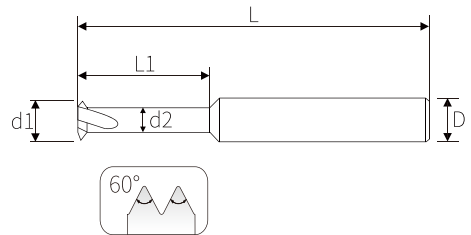
Item Code	SIZE						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE003P001	M1.4*0.3	1.05	0.7	3.5	4.0	100	3
BSE003P002	M1.6*0.35	1.2	0.8	4.0	4.0	100	3
BSE003P003	M2.0*0.4	1.55	0.9	6.0	4.0	100	3
BSE003P004	M2.5*0.45	1.96	1.3	6.5	4.0	100	3
BSE003P005	M3.0*0.5	2.35	1.6	8.0	4.0	100	4
BSE003P006	M4.0*0.7	3.15	2.1	10	4.0	100	4
BSE003P007	M5.0*0.8	3.9	2.8	12	4.0	100	4
BSE003P008	M6.0*1.0	4.8	3.4	15	6.0	100	4
BSE003P009	M8.0*1.25	6.0	4.2	20	6.0	100	4
BSE003P010	M10*1.5	7.7	5.6	25	8.0	100	4
BSE003P011	M12*1.75	9.6	7.3	30	10	100	4
BSE003P012	M14*2.0	10	7.3	36	10	100	4
BSE003P013	M18*2.5	12	8.8	38	12	100	4
BSE003P014	M24*3.0	14	10.2	48	14	100	6
BSE003P015	M30*3.5	16	11.5	50	16	100	6

## Features

- Suitable for processing sample pieces with few threaded workpieces, multiple thread specifications and models, and also capable of processing American threads  
Single buckle teeth have low processing resistance, strong universality, and convenient use

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						



UNIT=MM

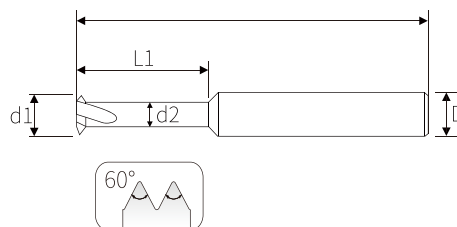
Item Code	SIZE					
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)
BSE051S001	0.25-0.35	1.05	0.6	3.5	4.0	50
BSE051S002	0.25-0.35	1.2	0.75	4.0	4.0	50
BSE051S003	0.3-0.5	1.55	0.9	6.0	4.0	50
BSE051S004	0.3-0.7	1.96	1.1	6.5	4.0	50
BSE051S005	0.3-0.8	2.35	1.4	8.0	4.0	50
BSE051S006	0.3-0.8	3.15	2.0	10	4.0	50
BSE051S007	0.3-1.0	3.9	2.5	12	4.0	50
BSE051S008	0.5-1.5	4.8	2.9	15	6.0	50
BSE051S009	0.5-1.75	6.0	4.0	20	6.0	50
BSE051S010	0.5-2.5	7.7	4.8	25	8.0	60
BSE051S011	1.0-3.0	9.6	6.0	30	10	75
BSE051S012	1.0-3.5	10	6.0	36	10	75
BSE051S013	1.0-4.0	12	7.3	38	12	75
BSE051S014	1.5-4.0	14	9.0	48	14	100
BSE051S015	2.0-5.0	16	10	50	16	100

## Features

- Suitable for processing sample pieces with few threaded workpieces, multiple thread specifications and models, and also capable of processing American threads Single buckle teeth have low processing resistance, strong universality, and convenient use Escape lengthening is particularly suitable for working conditions with complex types of deep holes and threads

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						



UNIT=MM

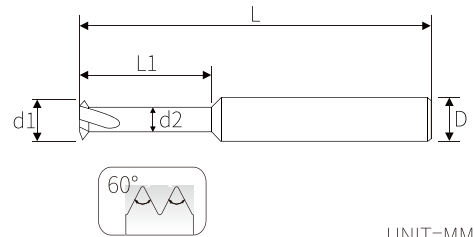
Item Code	Model			Thread pitch		Size					
	Coarse teeth	Fine teeth	UN, UNS, UNF, UNEF	mm	tpi	d1	d2	L1	D	L	F
BSE002S001	M5x0.8	M5x0.5 M5X0.75	No.10-56UNS, No.10-48UNS, No.40UNS,	0.5-0.8	32-56	3.9	2.8	16	4.0	50	4
BSE002S002	M6x1.0	M6x0.5 M6X0.75	No.12-56UNS, No.12-48UNS, 1/4-40UNS,1/4-36UNS, 1/4-32UNEF, 1/4-28UNF, 1/4-27UNS, 1/4-24UNS	0.5-1.0	24-56	4.85	3.5	20	6.0	60	5
BSE002S003	M8x1.25	M7x0.5 M7X0.75 M7.5X1.0	5/16-48UNS, 5/16-40UNS, 5/16-36UNS,5/16-36UNEF, 5/16-28UN, 5/16-27UNS, 5/16-24UNS, 5/16-20UNS	0.5-1.25	20-48	5.9	4.2	25	6.0	60	5
BSE002S004		M10x0.5 M11X0.75 M11X1.0	7/16-32UNS, 7/16-28UNEF, 7/16-27UNS,7/16-24UNS	0.5-1.0	24-56	9.8	8.5	35	10	75	6
BSE002S005	M10x1.5	M10x1.0 M10X1.25	3/8-24UNF, 3/8-20NS, 7/16-18UNS,7/16-16UNS	1.0-1.50	13-24	7.9	5.8	32	8.0	75	6
BSE002S006	M12x1.75	M12x1.0 M12X1.25 M12X1.5	1/2-24UNS, 1/2-20UNS, 1/2-18UNS,1/2-16UNS, 1/2-14UNS	1.0-1.75	14-24	9.9	7.6	38	10	75	6
BSE002S007	M16x2.0	M13.5X1.0 M14X1.25 M14X1.5	9/16-24UNEF, 9/16-18UNF, 5/8-18UNF,3/4-16UNF, 7/8-14UNF	1.0-2.0	14-24	11.9	9.6	40	12	75	6
BSE002S008	M18x2.5 M20x2.5 M22x2.5 M24x3.0 M27x3.0		9/16-12UNC, 5/8-11UNC 3/4-10UNC, 7/8-9UNC	2.0-3.0	9-12	14	10.2	48	14	100	6
BSE002S009	M20x2.5 M22x2.5 M24x3.0 M27x3.0 M30x3.5 M33x3.5		9/16-12UNC, 5/8-11UNC 3/4-10UNC, 1-8UNC	2.0-3.5	8-12	16	11.5	50	16	100	6

## Features

- Suitable for processing sample pieces with few threaded workpieces, multiple thread specifications and models, and also capable of processing American threads Single buckle teeth have low processing resistance, strong universality, and convenient use The use of high-temperature alloy and titanium alloy specialized coatings improves the tool's resistance to chip sticking and high-temperature melting, thereby achieving an improved lifespan

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



UNIT=MM

Item Code	Model			Thread pitch		Size					
	Coarse teeth	Fine teeth	UN, UNS, UNF, UNEF	mm	tpi	d1	d2	L1	D	L	F
BSE002S001	M5x0.8	M5x0.5 M5X0.75	No.10-56UNS, No.10-48UNS, No.40UNS,	0.5-0.8	32-56	3.9	2.8	16	4.0	50	4
BSE002S002	M6x1.0	M6x0.5 M6X0.75	No.12-56UNS, No.12-48UNS, 1/4-40UNS,1/4-36UNS, 1/4-32UNEF, 1/4-28UNF, 1/4-27UNS, 1/4-24UNS	0.5-1.0	24-56	4.85	3.5	20	6.0	60	5
BSE002S003	M8x1.25	M7x0.5 M7X0.75 M7.5X1.0	5/16-48UNS, 5/16-40UNS, 5/16-36UNS,5/16-36UNEF, 5/16-28UN, 5/16-27UNS, 5/16-24UNS, 5/16-20UNS	0.5-1.25	20-48	5.9	4.2	25	6.0	60	5
BSE002S004		M10x0.5 M11X0.75 M11X1.0	7/16-32UNS, 7/16-28UNEF, 7/16-27UNS,7/16-24UNS	0.5-1.0	24-56	9.8	8.5	35	10	75	6
BSE002S005	M10x1.5	M10x1.0 M10X1.25	3/8-24UNF, 3/8-20NS, 7/16-18UNS,7/16-16UNS	1.0-1.50	13-24	7.9	5.8	32	8.0	75	6
BSE002S006	M12x1.75	M12x1.0 M12X1.25 M12X1.5	1/2-24UNS, 1/2-20UNS, 1/2-18UNS,1/2-16UNS, 1/2-14UNS	1.0-1.75	14-24	9.9	7.6	38	10	75	6
BSE002S007	M16x2.0	M13.5X1.0 M14X1.25 M14X1.5	9/16-24UNEF, 9/16-18UNF, 5/8-18UNF,3/4-16UNF, 7/8-14UNF	1.0-2.0	14-24	11.9	9.6	40	12	75	6
BSE002S008	M18x2.5 M20x2.5 M22x2.5 M24x3.0 M27x3.0		9/16-12UNC, 5/8-11UNC 3/4-10UNC, 7/8-9UNC	2.0-3.0	9-12	14	10.2	48	14	100	6
BSE002S009	M20x2.5 M22x2.5 M24x3.0 M27x3.0 M30x3.5 M33x3.5		9/16-12UNC, 5/8-11UNC 3/4-10UNC, 1-8UNC	2.0-3.5	8-12	16	11.5	50	16	100	6

## Features

- Suitable for processing sample pieces, with a limited number of threaded holes and a wide range of thread specifications, it is easy to use and has low resistance to single thread processing. It can process deeper threaded holes, The seven color DLC coating has the lowest friction coefficient and high resistance to fusion and corrosion of non-ferrous metals. Suitable for processing copper alloys, aluminum alloys, non-ferrous metals, acrylic, etc

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
									⊙	⊙	⊙	⊙		



UNIT=MM

Item Code	Size						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE025S001	1.0*0.25	0.72	0.43	2.5	4.0	50	2
BSE025S002	1.2*0.25	0.9	0.63	3.2	4.0	50	2
BSE025S003	0.25-0.35	1.05	0.6	3.5	4.0	50	3
BSE025S004	0.25-0.35	1.2	0.75	4.0	4.0	50	3
BSE025S005	0.3-0.5	1.55	0.9	6.0	4.0	50	3
BSE025S006	0.3-0.7	1.96	1.1	6.5	4.0	50	3
BSE025S007	0.3-0.8	2.35	1.4	8.0	4.0	50	4
BSE025S008	0.3-0.8	3.15	2.0	10	4.0	50	4
BSE025S009	0.3-1.0	3.9	2.5	12	4.0	50	4
BSE025S010	0.5-1.5	4.8	2.9	15	6.0	50	4
BSE025S011	0.5-1.75	6.0	4.0	20	6.0	50	4
BSE025S012	0.5-2.5	7.7	4.8	25	8.0	60	4
BSE025S013	1.0-3.0	9.6	6.0	30	10	75	4
BSE025S014	1.0-3.5	10	6.0	36	10	75	4
BSE025S015	1.0-4.0	12	7.3	38	12	75	4
BSE025S016	1.5-4.0	14	9.0	48	14	100	4
BSE025S017	2.0-5.0	16	10	50	16	100	4

## Features

- Suitable for processing sample pieces with few threaded workpieces, multiple thread specifications and models, and capable of processing British pipe threads  
British taper pipe threads, Wyeth threads, and single thread threads have low machining resistance and strong versatility in use

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						○



UNIT=MM

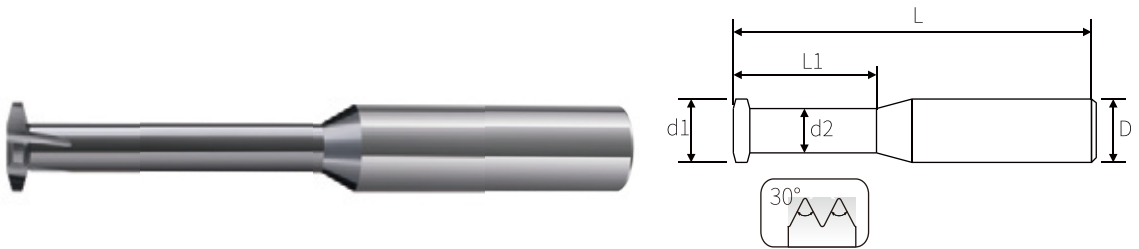
Item Code	Model	Tooth pitch (P)	Size			Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
			Blade diameter (d1)	Angler						
BSE004W001	W5/32-32	P0.793	3.1	55°	1.9	8	4.0	50	4	
BSE004W002	W3/16-24	P1.058	3.5	55°	2.0	10	4.0	50	4	
BSE004W003	W1/4-20	P1.27	4.0	55°	2.2	12	4.0	50	4	
BSE004W004	W5/16-18 G1/16-28 G1/8-28	P0.907-P1.411	6.0	55°	4.5	14	6.0	50	4	
BSE004W005	W7/16-14 G1/4-19 G3/8-19	P1.336-P1.814	8.0	55°	5.9	22	8.0	60	4	
BSE004W006	G1/2-14 G1/4-19 G3/4-14 G3/8-19	P1.336-P1.814	10	55°	7.3	30	10	75	4	
BSE004W007	W5/8-11 W3/4-10 G1/2-14 G3/4-14 G1-11	P1.336-P2.54	12	55°	8.2	38	12	75	4	

## Features

- Trapezoidal thread is the main transmission form of screw transmission, mainly used for the main screw transmission of machine tools and the screw transmission of tool holders

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						○



UNIT=MM

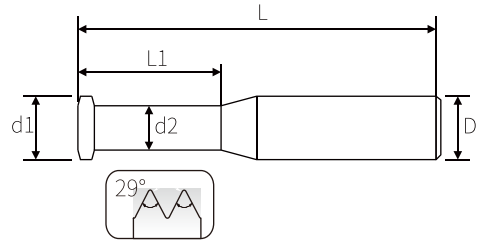
Item Code	Model	d1	d2	L1	D	L	F
BSE005T009	TR 7x1.0	5.5	4.1	20	6.0	50	4
BSE005T001	TR 8x1.5 TR 9x1.5	6.0	4.0	20	6.0	50	4
BSE005T002	TR 9x2 TR 10x2 TR 11x2	6.4	3.7	20	8.0	60	4
BSE005T003	TR 12x2 TR 14x2 TR 16x2 TR 18x2 TR 20x2	9.4	6.5	35	10	75	4
BSE005T004	TR 11x3 TR 12x3 TR 14x3	7.4	3.8	25	8.0	60	4
BSE005T005	TR 14x3 TR 22x3 TR 24x3 TR 26x3 TR 28x3 TR 30x3	10	6.0	35	10	75	4
BSE005T006	TR 16x4 TR 18x4 TR 20x4	11	6.0	38	12	75	4
BSE005T007	TR 22x5 TR 24x5 TR 26x5 TR 28x5	14	7.8	50	14	100	4
BSE005T008	TR 30*6 TR 32*6 TR 34*6 TR 36*6 TR 38*6 TR 40*6 TR 42*6	16	9.0	50	16	100	4

## Features

- ▶ Trapezoidal thread is the main transmission form of screw transmission, mainly used for the main screw transmission of machine tools and the screw transmission of tool holders

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	⊙	○				⊙	⊙					○		



UNIT=MM

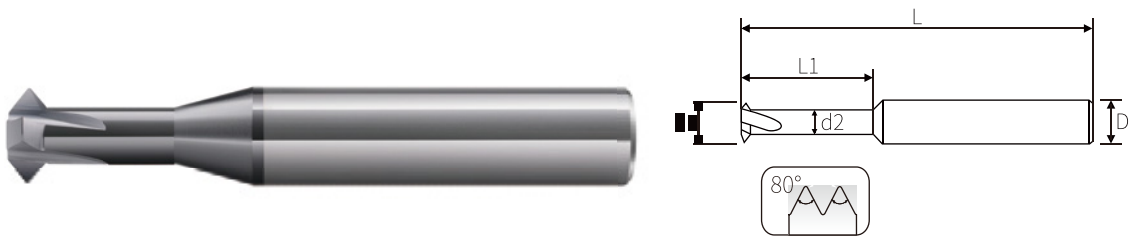
Item Code	Size						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE006I001	1/4-16	4.7	2.6	15	6.0	50	4
BSE006I002	5/16-14	6.0	3.6	20	6.0	50	4
BSE006I003	3/8-12 7/16-12	7.2	4.5	25	8.0	60	4
BSE006I004	1/2-10	10	6.6	35	10	75	4
BSE006I005	5/8-8	12	7.5	35	12	75	4
BSE006I006	3/4-6 7/8-6	12	6.5	35	12	75	4

## Features

- Suitable for processing sample pieces with a small number of threaded holes and multiple thread specifications, making them easy to use  
Single thread processing has low resistance and can process deeper threaded hole

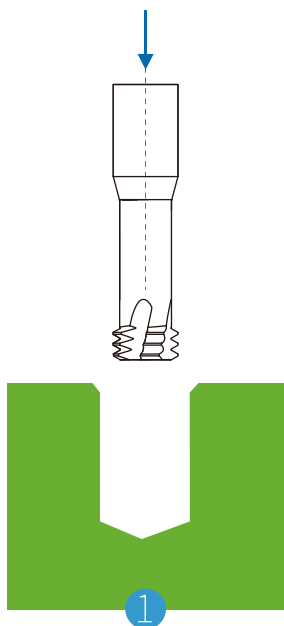
⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						○

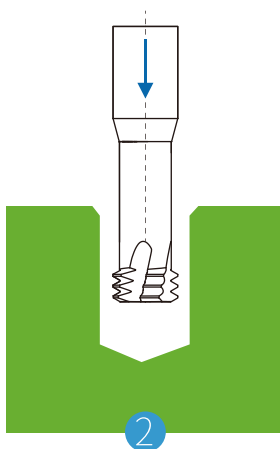


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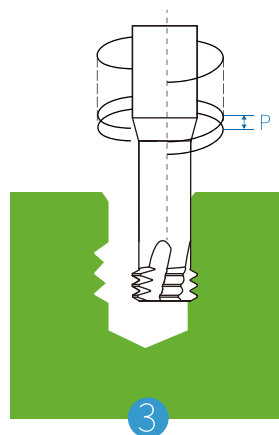
Item Code	Size							Number blades (F)
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)		
BSE007P001	PG7 PG9 PG11 PG13.5 PG16	8	6	15	8.0	60	4	
BSE007P002	PG9 PG11 PG13.5 PG16	10	7	20	10	75	4	
BSE007P003	PG21 PG29 PG36 PG42 PG48	12	7	20	12	75	4	



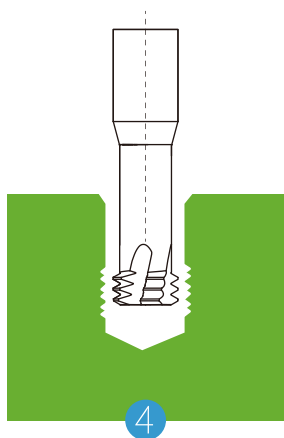
1  
Position over bottom hole



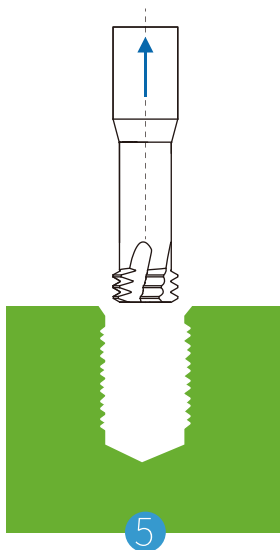
2  
Lower the tool to the desired thread depth



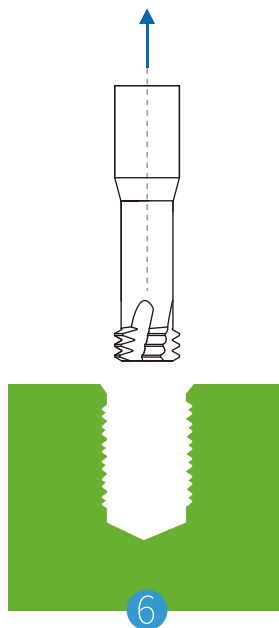
3  
Spiral feed goes up one pitch



4  
Repeat processing upwards according to a pitch P until the thread is completed



5  
180° exit to neutral position



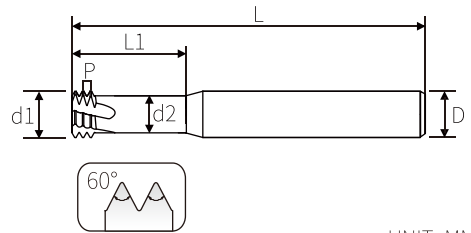
6  
The tool retracts to the starting position

## Features

- Suitable for processing small aperture threads and workpieces with high hardness. The three thread thread has good steel properties, high strength, and is not easy to break, The nano layered structure in the middle of the gray black coating has high toughness and high compressive stress
- Especially suitable for processing carbon steel, 45 # steel, 20Cr, S136, 40Cr, 42Cr, mold steel, quenched steel, etc

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	○			⊙	⊙				○	⊙	



UNIT=MM

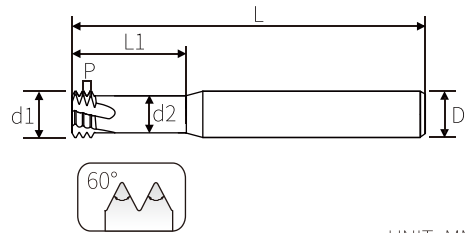
Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE008S001	M1.0	0.25	0.73	0.43	2.0	4.0	50	3
BSE008S002	M1.2	0.25	0.92	0.62	2.4	4.0	50	3
BSE008S003	M1.4	0.3	1.05	0.65	2.8	4.0	50	3
BSE008S004	M1.6	0.35	1.2	0.78	3.2	4.0	50	3
BSE068S001	M1.6	0.35	1.2	0.78	3.2	6.0	50	3
BSE008S005	M1.8	0.35	1.4	0.98	3.6	4.0	50	3
BSE008S006	M2.0	0.4	1.55	1.05	4.0	4.0	50	3
BSE068S002	M2.0	0.4	1.55	1.05	4.0	6.0	50	3
BSE008S007	M2.2	0.45	1.7	1.1	5.0	4.0	50	3
BSE008S008	M2.5	0.45	2.0	1.45	5.0	4.0	50	3
BSE068S003	M2.5	0.45	2.0	1.45	5.0	6.0	50	3
BSE008S036	M3.0	0.25	2.4	2.05	6.0	4.0	50	3
BSE008S037	M3.0	0.5	2.4	1.8	6.0	4.0	50	3
BSE008S009	M3.0	0.5	2.4	1.8	6.0	6.0	50	3
BSE068S004	M3.5	0.35	2.4	1.8	6.0	4.0	50	3
BSE008S010	M3.5	0.6	2.75	2.0	8.0	4.0	50	3
BSE008S011	M4.0	0.7	3.15	2.3	8.0	4.0	50	3
BSE068S005	M4.0	0.7	3.15	2.3	8.0	6.0	50	3
BSE008S012	M4.5	0.75	3.5	2.55	9.0	4.0	50	3
BSE008S013	M5.0	0.8	4.0	3.0	10	4.0	50	3
BSE068S006	M5.0	0.8	4.0	3.0	10	6.0	50	3
BSE008S031	M6.0	0.75	4.8	3.8	12	6.0	50	3
BSE008S014	M6.0	1.0	4.8	3.6	12	6.0	50	3
BSE008S015	M8.0	1.0	6.0	4.8	16	6.0	50	4
BSE008S016	M8.0	1.25	6.0	4.5	16	6.0	50	4
BSE008S017	M10	1.0	8.0	6.8	20	8.0	60	4
BSE008S038	M10	1.25	8.0	6.2	20	8.0	60	4
BSE008S018	M10	1.5	8.0	6.5	20	8.0	60	4
BSE008S019	M12	1.0	10	8.7	24	10	75	4

## Features

- Suitable for processing small aperture threads and workpieces with high hardness. The three thread thread has good steel properties, high strength, and is not easy to break, The nano layered structure in the middle of the gray black coating has high toughness and high compressive stress
- Especially suitable for processing carbon steel, 45 # steel, 20Cr, S136, 40Cr, 42Cr, mold steel, quenched steel, etc

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	○			⊙	⊙				○	⊙	



UNIT=MM

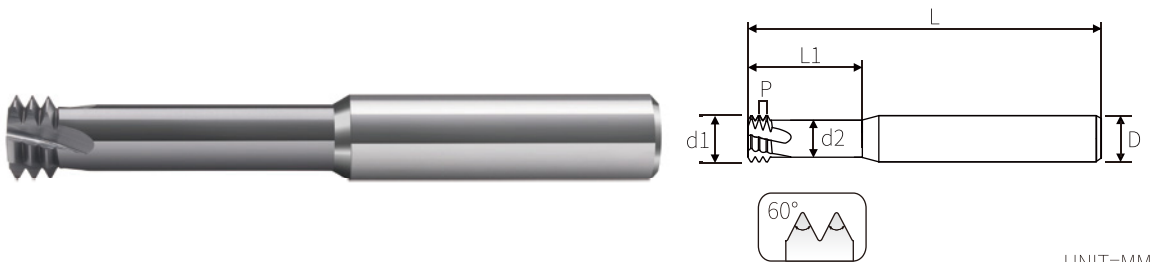
Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE008S030	M12	1.25	10	8.5	24	10	75	4
BSE008S020	M12	1.5	10	8.1	24	10	75	4
BSE008S021	M12	1.75	10	7.8	24	10	75	4
BSE008S022	M14	1.5	12	10.1	28	12	75	4
BSE008S023	M14	2.0	10	7.5	28	10	75	4
BSE008S024	M16	1.5	12	10.1	32	12	75	4
BSE008S039	M16	2.0	12	9.5	32	12	75	4
BSE008S025	M16	1.5	14	12.1	32	14	100	4
BSE008S029	M16	2.0	13.5	11	32	14	100	4
BSE008S032	M18	2.5	14.8	11.4	38	16	100	4
BSE008S026	M20	1.5	16	14.1	40	16	100	4
BSE008S027	M20	2.5	16	12.6	40	16	100	6
BSE008S028	M24	3.0	16	12	48	16	100	6
BSE008S040	M30	3.5	16	11.6	50	16	100	6

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size  
Adopting ALTiSiN base coating, containing various composite elements such as aluminum, titanium, silicon, nitrogen, etc., with higher aluminum content and higher  
The lubrication effect is particularly suitable for processing general steel parts such as stainless steel.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	○			⊙	⊙					○	⊙



UNIT=MM

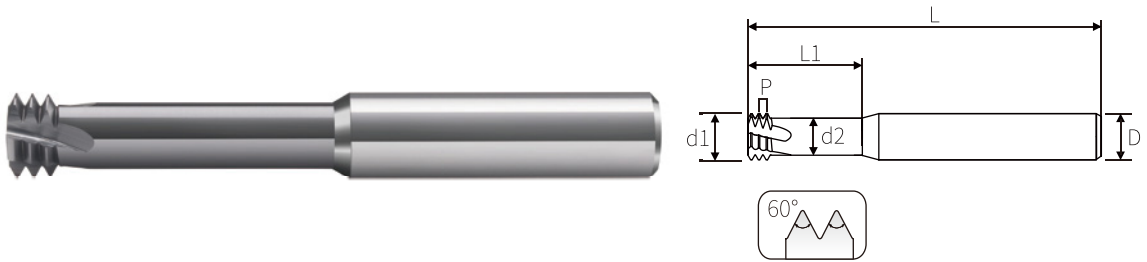
Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE035S001	M1.0	0.25	0.73	0.43	3.0	4.0	50	3
BSE035S002	M1.2	0.25	0.92	0.62	3.6	4.0	50	3
BSE035S003	M1.4	0.3	1.05	0.65	4.2	4.0	50	3
BSE035S004	M1.6	0.35	1.2	0.78	4.8	4.0	50	3
BSE035S014	M1.6	0.35	1.2	0.78	4.8	6.0	50	3
BSE035S005	M2.0	0.4	1.55	1.05	6.0	4.0	50	3
BSE035S015	M2.0	0.4	1.55	1.05	6.0	6.0	50	3
BSE035S006	M2.5	0.45	2.0	1.45	7.5	4.0	50	3
BSE035S016	M2.5	0.45	2.0	1.45	7.5	6.0	50	3
BSE035S007	M3.0	0.5	2.4	1.8	9.0	4.0	50	3
BSE035S017	M3.0	0.5	2.4	1.8	9.0	6.0	50	3
BSE035S008	M4.0	0.7	3.15	2.3	12	4.0	50	3
BSE035S018	M4.0	0.7	3.15	2.3	12	6.0	50	3
BSE035S009	M5.0	0.8	4.0	3.0	15	4.0	50	3
BSE035S019	M5.0	0.8	4.0	3.0	15	6.0	50	3
BSE035S010	M6.0	1.0	4.8	3.6	18	6.0	50	3
BSE035S011	M8.0	1.25	6.0	4.5	24	6.0	50	4
BSE035S012	M10	1.5	8.0	6.2	30	8.0	60	4
BSE035S013	M12	1.75	10	7.8	36	10	75	4

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size  
Adopting ALTiSiN base coating, containing various composite elements such as aluminum, titanium, silicon, nitrogen, etc., with higher aluminum content and higher, The lubrication effect is particularly suitable for processing general steel parts such as stainless steel.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	○			⊙	⊙					○	⊙



UNIT=MM

Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE056S001	M2.0	0.4	1.55	1.05	8.0	4.0	50	3
BSE056S002	M2.5	0.45	2.0	1.45	10	4.0	50	3
BSE056S003	M3.0	0.5	2.4	1.8	12	4.0	50	3
BSE056S004	M4.0	0.7	3.15	2.3	16	4.0	50	3
BSE056S005	M5.0	0.8	4.0	3.0	20	4.0	50	3

# Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-1

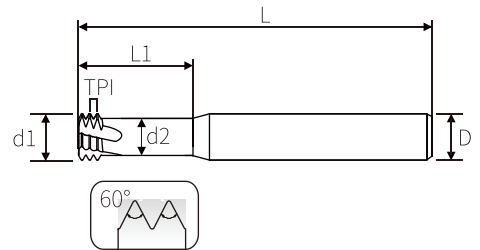
BSKT®

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size
- The use of high-temperature alloy and titanium alloy specialized coatings improves the tool's resistance to chip sticking and high-temperature melting, thereby achieving an improved lifespan

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



UNIT=MM

Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE053S001	M1.0	0.25	0.73	0.43	2.0	4.0	50	3
BSE053S002	M1.2	0.25	0.92	0.62	2.4	4.0	50	3
BSE053S003	M1.4	0.3	1.05	0.65	2.8	4.0	50	3
BSE053S004	M1.6	0.35	1.2	0.78	3.2	4.0	50	3
BSE053S033	M1.6	0.35	1.2	0.78	3.2	6.0	50	3
BSE053S005	M1.8	0.35	1.4	0.98	3.6	4.0	50	3
BSE053S006	M2.0	0.4	1.55	1.05	4.0	4.0	50	3
BSE053S034	M2.0	0.4	1.55	1.05	4.0	6.0	50	3
BSE053S007	M2.2	0.45	1.7	1.1	5.0	4.0	50	3
BSE053S008	M2.5	0.45	2.0	1.45	5.0	4.0	50	3
BSE053S035	M2.5	0.45	2.0	1.45	5.0	6.0	50	3
BSE053S039	M3.0	0.25	2.4	2.05	6.0	4.0	50	3
BSE053S009	M3.0	0.5	2.4	1.8	6.0	4.0	50	3
BSE053S036	M3.0	0.5	2.4	1.8	6.0	6.0	50	3
BSE053S040	M3.5	0.35	2.4	1.8	6.0	4.0	50	3
BSE053S010	M3.5	0.6	2.75	2.0	8.0	4.0	50	3
BSE053S011	M4.0	0.7	3.15	2.3	8.0	4.0	50	3
BSE053S037	M4.0	0.7	3.15	2.3	8.0	6.0	50	3
BSE053S012	M4.5	0.75	3.5	2.55	9.0	4.0	50	3
BSE053S013	M5.0	0.8	4.0	3.0	10	4.0	50	3
BSE053S038	M5.0	0.8	4.0	3.0	10	6.0	50	3
BSE053S031	M6.0	0.75	4.8	3.8	12	6.0	50	3
BSE053S014	M6.0	1.0	4.8	3.6	12	6.0	50	3
BSE053S015	M8.0	1.0	6.0	4.8	16	6.0	50	4
BSE053S016	M8.0	1.25	6.0	4.5	16	6.0	50	4
BSE053S017	M10	1.0	8.0	6.8	20	8.0	60	4
BSE053S041	M10	1.25	8.0	6.2	20	8.0	60	4
BSE053S018	M10	1.5	8.0	6.5	20	8.0	60	4
BSE053S019	M12	1.0	10	8.7	24	10	75	4

# Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-2

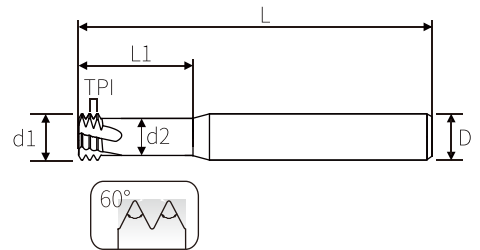
BSKT®

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size
- The use of high-temperature alloy and titanium alloy specialized coatings improves the tool's resistance to chip sticking and high-temperature melting, thereby achieving an improved lifespan

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



UNIT=MM

Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE053S030	M12	1.25	10	8.5	24	10	75	4
BSE053S020	M12	1.5	10	8.1	24	10	75	4
BSE053S021	M12	1.75	10	7.8	24	10	75	4
BSE053S022	M14	1.5	12	10.1	28	12	75	4
BSE053S023	M14	2.0	10	7.5	28	10	75	4
BSE053S024	M16	1.5	12	10.1	32	12	75	4
BSE053S042	M16	2.0	12	9.5	32	12	75	4
BSE053S025	M16	1.5	14	12.1	32	14	100	4
BSE053S026	M16	2.0	13.5	11	32	14	100	4
BSE053S032	M18	2.5	14.8	11.4	38	16	100	4
BSE053S029	M20	1.5	16	14.1	40	16	100	4
BSE053S027	M20	2.5	16	12.6	40	16	100	6
BSE053S028	M24	3.0	16	12	48	16	100	6
BSE053S043	M30	3.5	16	11.6	50	16	100	6

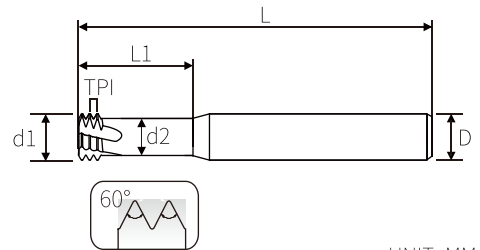
# Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-3D

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size  
The use of high-temperature alloy and titanium alloy specialized coatings improves the tool's resistance to chip sticking and high-temperature melting, thereby achieving an improved lifespan

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
○	⊙	○	○				○	⊙						⊙	⊙



UNIT=MM

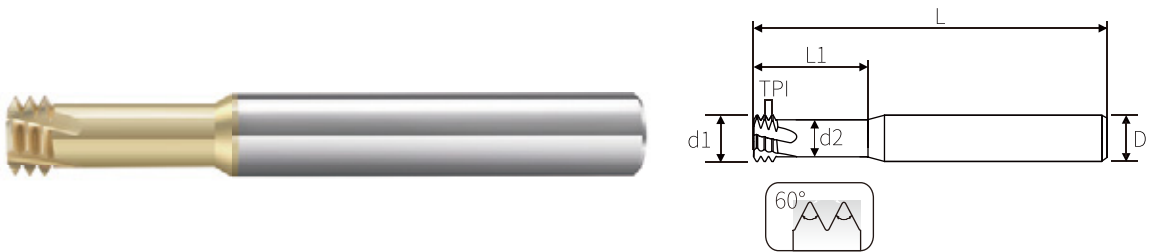
Item Code	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)	Size
BSE054S001	M1.0	0.25	0.73	0.43	3.0	4.0	50	3	
BSE054S002	M1.2	0.25	0.92	0.62	3.6	4.0	50	3	
BSE054S003	M1.4	0.3	1.05	0.65	4.2	4.0	50	3	
BSE054S004	M1.6	0.35	1.2	0.78	4.8	4.0	50	3	
BSE054S014	M16	0.35	1.2	0.78	4.8	6.0	50	3	
BSE054S005	M2.0	0.4	1.55	1.05	6.0	4.0	50	3	
BSE054S015	M2.0	0.4	1.55	1.05	6.0	6.0	50	3	
BSE054S006	M2.5	0.45	2.0	1.45	7.5	4.0	50	3	
BSE054S016	M2.5	0.45	2.0	1.45	7.5	6.0	50	3	
BSE054S007	M3.0	0.5	2.4	1.8	9.0	4.0	50	3	
BSE054S017	M3.0	0.5	2.4	1.8	9.0	6.0	50	3	
BSE054S008	M4.0	0.7	3.15	2.3	12	4.0	50	3	
BSE054S018	M4.0	0.7	3.15	2.3	12	6.0	50	3	
BSE054S009	M5.0	0.8	4.0	3.0	15	4.0	50	3	
BSE054S019	M5.0	0.8	4.0	3.0	15	6.0	50	3	
BSE054S010	M6.0	1.0	4.8	3.6	18	6.0	50	3	
BSE054S011	M8.0	1.25	6.0	4.5	24	6.0	50	4	
BSE054S012	M10	1.5	8.0	6.2	30	8.0	60	4	
BSE054S013	M12	1.75	10	7.8	36	10	75	4	

## Features

- Suitable for processing small aperture threads and workpieces with high hardness, good rigidity and wear resistance of three threaded threads, and more stable thread size  
The use of high-temperature alloy and titanium alloy specialized coatings improves the tool's resistance to chip sticking and high-temperature melting, thereby achieving an improved lifespan

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



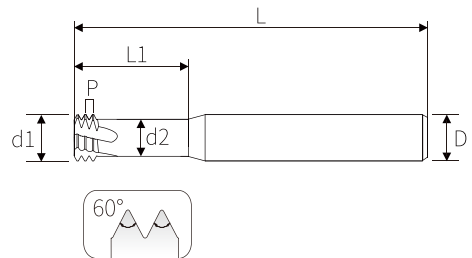
Item Code	Size						
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)
BSE057S001	MJ2.0	0.4	1.55	1.05	6.0	4.0	50
BSE057S002	MJ2.5	0.45	2.0	1.45	7.5	4.0	50
BSE057S003	MJ3.0	0.5	2.4	1.8	9.0	4.0	50
BSE057S004	MJ4.0	0.7	3.15	2.3	12	4.0	50
BSE057S005	MJ5.0	0.8	4.0	3.0	15	4.0	50
BSE057S006	MJ6.0	1.0	4.8	3.6	18	6.0	50
BSE057S007	MJ8.0	1.25	6.0	4.5	24	6.0	50
BSE057S008	MJ10	1.5	8.0	6.2	30	8.0	60
BSE057S009	MJ12	1.75	10	7.8	36	10	75

## Features

- Suitable for processing small aperture threads and workpieces with high hardness. The three thread thread has good steel properties, high strength, and is not easy to break

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	○	⊙	⊙				⊙	○						



Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE055S001	M1.0	0.25	0.73	2.0	3.0	4.0	50	3
BSE055S002	M1.2	0.25	0.92	2.4	3.6	4.0	50	3
BSE055S003	M1.4	0.3	1.05	2.8	4.2	4.0	50	3
BSE055S004	M1.6	0.35	1.2	3.2	4.8	4.0	50	3
BSE055S005	M2.0	0.4	1.55	4.0	6.0	4.0	50	3
BSE055S006	M2.5	0.45	2.0	5.0	7.5	4.0	50	3
BSE055S007	M3.0	0.5	2.4	6.0	9.0	4.0	50	3
BSE055S008	M4.0	0.7	3.15	8.0	12	4.0	50	3
BSE055S009	M5.0	0.8	4.0	10	15	4.0	50	3
BSE055S010	M6.0	1.0	4.8	12	18	6.0	50	3
BSE055S011	M8.0	1.25	6.0	16	24	6.0	50	4
BSE055S012	M10	1.5	8.0	20	30	8.0	60	4
BSE055S013	M12	1.75	10	24	36	10	75	4
BSE055S014	M14	2.0	10	10.1	28	10	75	4

## Features

- ▶ The seven color DLC coating has the lowest friction coefficient and high resistance to fusion and corrosion of non-ferrous metals.  
Suitable for processing copper alloys, aluminum alloys, non-ferrous metals, acrylic, etc

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P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
										⊙	⊙	⊙	⊙	



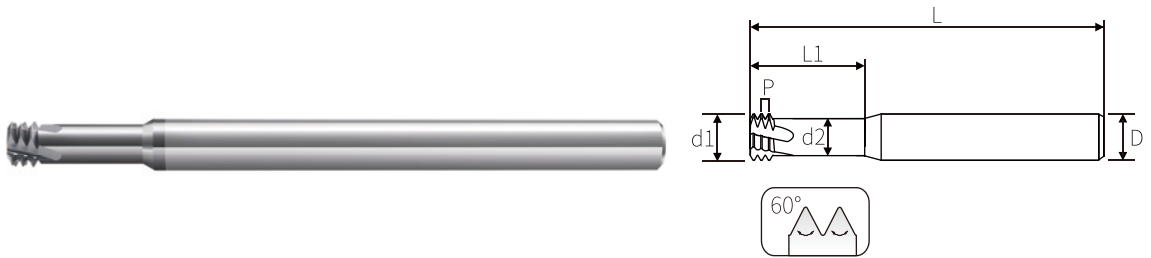
Item Code	SIZE							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE034S001	M1.0	0.25	0.73	0.43	3.0	4.0	50	3
BSE034S002	M1.2	0.25	0.92	0.62	3.6	4.0	50	3
BSE034S003	M1.4	0.3	1.05	0.65	4.2	4.0	50	3
BSE034S004	M1.6	0.35	1.2	0.78	4.8	4.0	50	3
BSE034S005	M1.6	0.35	1.2	0.78	4.8	6.0	50	3
BSE034S006	M2.0	0.4	1.55	1.05	6.0	4.0	50	3
BSE034S007	M2.0	0.4	1.55	1.05	6.0	6.0	50	3
BSE034S008	M2.5	0.45	2.0	1.45	7.5	4.0	50	3
BSE034S009	M2.5	0.45	2.0	1.45	7.5	6.0	50	3
BSE034S010	M3.0	0.5	2.4	1.8	9.0	4.0	50	3
BSE034S011	M3.0	0.5	2.4	1.8	9.0	6.0	50	3
BSE034S012	M4.0	0.7	3.15	2.3	12	4.0	50	3
BSE034S013	M4.0	0.7	3.15	2.3	12	6.0	50	3
BSE034S014	M5.0	0.8	4.0	3.0	15	4.0	50	3
BSE034S015	M5.0	0.8	4.0	3.0	15	6.0	50	3
BSE034S016	M6.0	1.0	4.8	3.6	12	6.0	50	3
BSE034S017	M6.0	1.0	4.8	4.8	18	6.0	50	3
BSE034S018	M8	1.0	6.0	4.8	16	6.0	50	4
BSE034S019	M8	1.25	6.0	4.5	16	6.0	50	4
BSE034S020	M8	1.25	6.0	4.5	24	6.0	50	4
BSE034S021	M10	1.0	8.0	6.8	20	8.0	60	4
BSE034S022	M10	1.5	8.0	6.5	20	8.0	60	4
BSE034S023	M10	1.5	8.0	6.2	30	8.0	60	4
BSE034S024	M12	1.75	10	7.8	24	10	75	4
BSE034S025	M12	1.75	10	7.8	36	10	75	4
BSE034S026	M14	2.0	10	7.5	28	10	75	4

## Features

- Suitable for processing small aperture threads and workpieces with high hardness. The three thread thread has good steel properties, high strength, and is not easy to break

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P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	⊙	⊙	○			⊙	⊙					○	⊙	



UNIT=MM

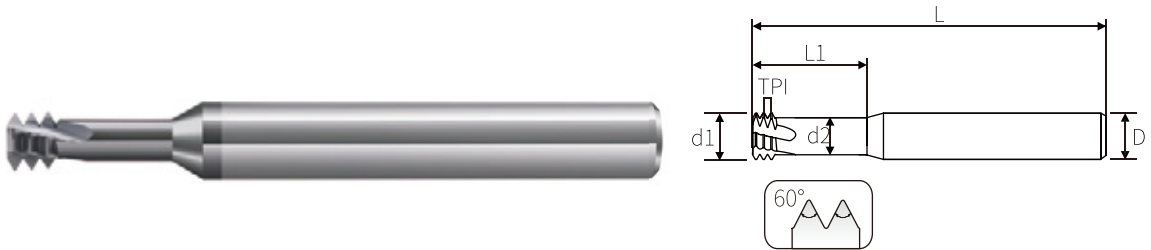
Item Code	SIZE							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE0028S001	M1.6	0.35	1.2	0.78	3.2	6.0	100	3
BSE0028S002	M2.0	0.4	1.55	1.05	6.0	6.0	75	3
BSE0028S012	M2.0	0.4	1.55	1.05	4.0	6.0	100	3
BSE0028S003	M2.5	0.45	2.0	1.45	7.5	6.0	75	3
BSE0028S013	M2.5	0.45	2.0	1.45	5.0	6.0	100	3
BSE0028S004	M3.0	0.5	2.4	1.8	9.0	6.0	75	3
BSE0028S014	M3.0	0.5	2.4	1.8	6.0	6.0	100	3
BSE0028S005	M4.0	0.7	3.15	2.3	12	6.0	75	3
BSE0028S015	M4.0	0.7	3.15	2.3	8.0	6.0	100	3
BSE0028S006	M5.0	0.8	4.0	3.0	15	6.0	75	3
BSE0028S016	M5.0	0.8	4.0	3.0	10	6.0	100	3
BSE0028S007	M6.0	1.0	4.8	3.6	18	6.0	75	3
BSE0028S017	M6.0	1.0	4.8	3.6	12	6.0	100	3
BSE0028S008	M8.0	1.25	6.0	4.5	24	6.0	75	4
BSE0028S018	M8.0	1.25	6.0	4.5	16	6.0	100	3
BSE0028S009	M10	1.5	8.0	6.2	30	8.0	75	4
BSE0028S019	M10	1.5	8.0	6.2	20	8.0	100	3
BSE0028S010	M12	1.75	10	7.8	24	10	100	4
BSE0028S011	M14	2.0	10	7.5	28	10	100	4

## Features

- Suitable for processing small aperture threads and workpieces with high hardness. The three thread thread has good steel properties, high strength, and is not easy to break

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	⊙	⊙	○			⊙	⊙					○	⊙	



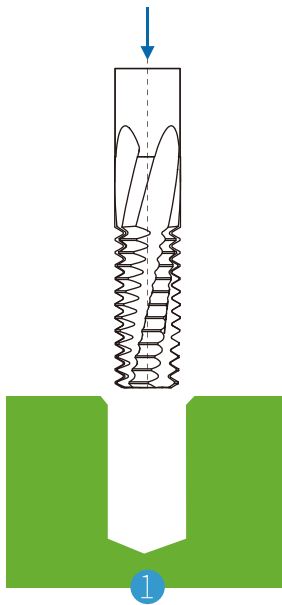
UNF American three-tooth thread milling cutter

UNIT=MM

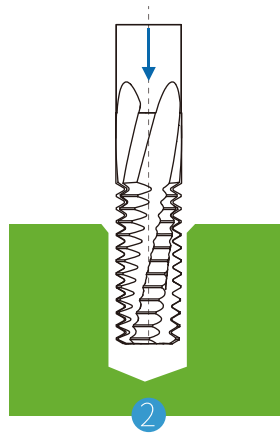
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BSE009M001	NO.1-72	1.45	1.0	3.9	4.0	50	3
BSE009M002	NO.3-56	1.95	1.4	5.3	4.0	50	3
BSE009M003	NO.4-48	2.25	1.6	6.0	4.0	50	3
BSE009M004	NO.6-40	2.75	1.9	7.2	4.0	50	3
BSE009M005	NO.8-36	3.3	2.4	8.7	4.0	50	3
BSE009M006	NO.10-32	3.9	2.9	10	4.0	50	3
BSE009M007	1/4-28	5.3	4.2	12	6.0	50	3
BSE009M008	7/16-20	9.5	7.9	24	10	75	4

UNC American three-tooth thread milling cutter

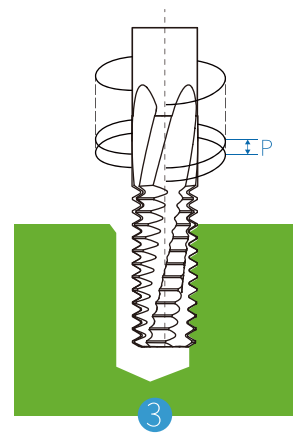
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BSE009M009	NO.1-64	1.4	0.9	4.0	4.0	50	3
BSE009M010	NO.2-56	1.65	1.1	5.0	4.0	50	3
BSE009M012	NO.3-48	1.95	1.3	5.0	4.0	50	3
BSE009M013	NO.4-40	2.15	1.3	6.0	4.0	50	3
BSE009M014	NO.5-40	2.45	1.6	7.2	4.0	50	3
BSE009M015	NO.6-32	2.65	1.6	7.5	4.0	50	3
BSE009M016	NO.8-32	3.2	2.2	9.0	4.0	50	3
BSE009M017	NO.10-24	3.7	2.4	10	4.0	50	3
BSE009M018	1/4-20	4.9	3.3	12	6.0	50	3
BSE009M019	5/16-18	6.4	4.7	18	8.0	60	4
BSE009M020	3/8-16	7.8	5.85	20	8.0	60	4
BSE009M021	7/16-14	9.2	7.0	24	10	75	4
BSE009M022	1/2-13	10	7.5	24	10	75	4
BSE009M023	9/16-12	12	9.4	28	12	75	4



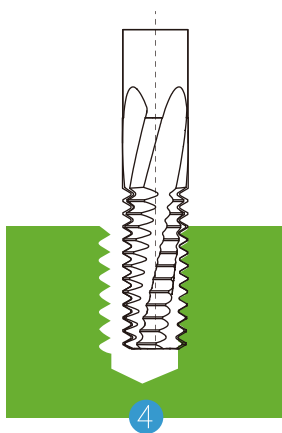
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Position over bottom hole



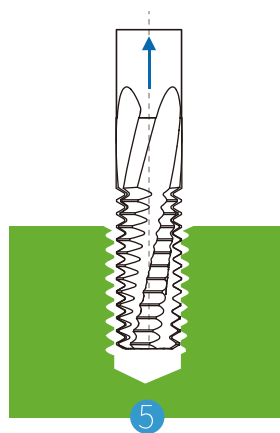
2  
Lower the tool to the desired thread depth



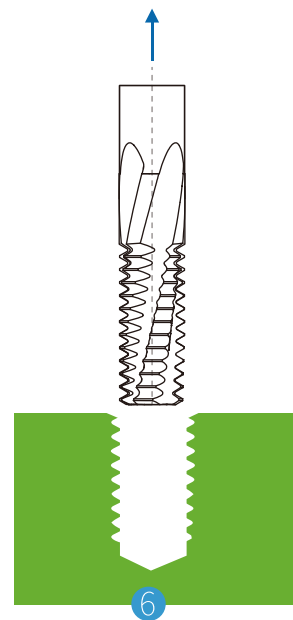
3  
Spiral feed goes up one pitch



4  
Repeat processing upwards according to a pitch P until the thread is completed



5  
180° exit to neutral position



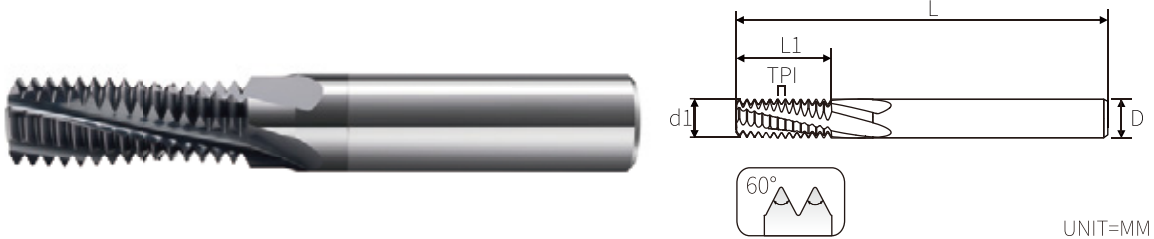
6  
The tool retracts to the starting position

## I Features

- Suitable for mass production of the same specification, with multiple thread specifications and convenient use. Workpieces with a depth of less than 2 diameters have high processing efficiency

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙				⊙	⊙	○	○			○	⊙



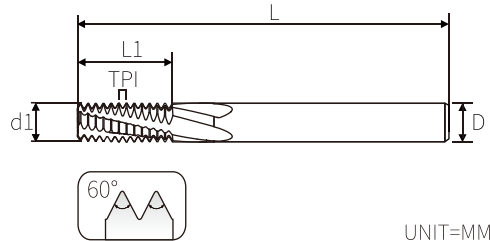
Item Code	Model	d1	d2	L1	D	L	F
BSE000F029	M2	0.4	1.55	4.0	4.0	50	3
BSE000F030	M2.5	0.45	2.0	5.0	4.0	50	3
BSE000F001	M3	0.5	2.4	6.0	4.0	50	4
BSE000F002	M4	0.7	3.15	8.0	4.0	50	4
BSE000F003	M5	0.5	4.0	10	4.0	50	3
BSE000F004	M5	0.75	4.0	10	4.0	50	3
BSE000F005	M5	0.8	4.0	10	4.0	50	4
BSE000F006	M6	0.75	4.8	12	6.0	60	3
BSE000F007	M6	1.0	4.8	12	6.0	60	4
BSE000F008	M8	0.5	6.0	16	6.0	60	3
BSE000F009	M8	0.75	6.0	16	6.0	60	3
BSE000F010	M8	1.0	6.0	16	6.0	60	3
BSE000F011	M8	1.25	6.0	16	6.0	60	4
BSE000F033	M10	1.0	8.0	20	8.0	60	4
BSE000F034	M10	0.5	8.0	20	8.0	60	4
BSE000F012	M10	0.75	8.0	20	8.0	60	4
BSE000F013	M10	1.25	8.0	20	8.0	60	4
BSE000F014	M10	1.5	8.0	20	8.0	60	4
BSE000F015	M12	0.5	10	24	10	75	4
BSE000F016	M12	0.75	10	24	10	75	4
BSE000F017	M12	1.0	10	24	10	75	4
BSE000F018	M12	1.25	10	24	10	75	4
BSE000F019	M12	1.5	10	24	10	75	4
BSE000F020	M12	1.75	10	24	10	75	4
BSE000F021	M14	1.0	12	28	12	75	4
BSE000F022	M14	1.5	12	28	12	75	4
BSE000F023	M14	2.0	11.6	28	12	75	4
BSE000F024	M16	1.5	14	32	14	100	4
BSE000F025	M16	2.0	13	32	14	100	4
BSE000F026	M18	2.5	14.8	38	16	100	4
BSE000F032	M20	1.0	16	38	16	100	4
BSE000F027	M20	1.5	16	38	16	100	4
BSE000F031	M20	2.5	16	42	16	100	4
BSE000F028	M24	3.0	16	42	16	100	4

**| Features**

- Suitable for mass production of the same specification, with multiple thread specifications and convenient use. Workpieces with a depth of less than 2 diameters have high processing efficiency

⊙ = Best   ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	⊙	⊙				⊙	⊙	○	○			○	⊙	



Item Code	Model	d1	d2	L1	D	L	F
BSE071F001	M2	0.4	1.55	4.0	4.0	50	3
BSE071F002	M2.5	0.45	2.0	5.0	4.0	50	3
BSE071F003	M3	0.5	2.4	6.0	4.0	50	4
BSE071F004	M4	0.7	3.15	8.0	4.0	50	4
BSE071F005	M5	0.5	4.0	10	4.0	50	3
BSE071F006	M5	0.75	4.0	10	4.0	50	3
BSE071F007	M5	0.8	4.0	10	4.0	50	4
BSE071F008	M6	0.75	4.8	12	6.0	60	3
BSE071F009	M6	1.0	4.8	12	6.0	60	4
BSE071F010	M8	0.5	6.0	16	6.0	60	3
BSE071F011	M8	0.75	6.0	16	6.0	60	3
BSE071F012	M8	1.0	6.0	16	6.0	60	3
BSE071F013	M8	1.25	6.0	16	6.0	60	4
BSE071F033	M10	0.5	8.0	20	8.0	60	4
BSE071F034	M10	0.75	8.0	20	8.0	60	4
BSE071F014	M10	1.0	8.0	20	8.0	60	4
BSE071F015	M10	1.25	8.0	20	8.0	60	4
BSE071F016	M10	1.5	8.0	20	10	75	4
BSE071F017	M12	0.5	10	24	10	75	4
BSE071F018	M12	0.75	10	24	10	75	4
BSE071F019	M12	1.0	10	24	10	75	4
BSE071F020	M12	1.25	10	24	10	75	4
BSE071F021	M12	1.5	10	24	12	75	4
BSE071F022	M12	1.75	10	24	12	75	4
BSE071F023	M14	1.0	12	28	12	75	4
BSE071F024	M14	1.5	12	28	14	100	4
BSE071F025	M14	2.0	11.6	28	14	100	4
BSE071F026	M16	1.5	14	32	16	100	4
BSE071F027	M16	2.0	13	32	16	100	4
BSE071F028	M18	2.5	14.8	38	16	100	4
BSE071F029	M20	1.0	16	38	16	100	4
BSE071F030	M20	1.5	16	38	16	100	4
BSE071F031	M20	2.5	16	42	16	100	4
BSE071F032	M24	3.0	16	42	16	100	4

## Features

- Suitable for mass production of the same specification, with multiple thread specifications and convenient use. Workpieces with a depth of less than 2 diameters have high processing efficiency

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	⊙	⊙				⊙	⊙	○	○			○	⊙	



UNIT=MM

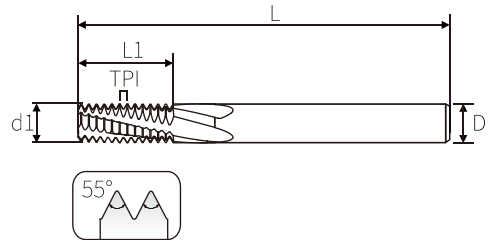
Item Code	UNC	UNF	UNEF	TPI	d1	L1	D	L	F
BSE011F015		10-32		32	3.9	10	6.0	50	4
BSE011F014			5/16-32 3/8-32	32	6.8	18	8.0	60	4
BSE011F009		1/4-28	7/16-28 1/2-28	28	5.3	12	6.0	60	4
BSE011F010		5/16-24	9/16-24 5/8-24	24	6.5	18	8.0	60	4
BSE011F001	1/4-20	7/16-20 1/2-20	3/4-20 7/8-20 1"-20	20	4.85	12	6.0	60	4
BSE011F011		7/16-20 1/2-20	3/4-20 7/8-20 1"-20	20	9.5	24	10	75	4
BSE011F002	5/16-18	9/16-18 5/8-18		18	6.4	18	8.0	60	4
BSE011F012		9/16-18 5/8-18		18	10	24	10	75	4
BSE011F003	3/8-16	3/4-16		16	7.8	21	8.0	60	4
BSE011F013		3/4-16		16	12	28	12	75	4
BSE011F004	7/16-14	7/8-14		14	8.8	24	10	75	4
BSE011F006	1/2-13			13	10	24	10	75	4
BSE011F005	9/16-12	1"-12 1"-1/8-12 1"-1/4-12 1"-1/2-12 1"-3/8-12		12	12	28	12	75	4
BSE011F007	5/8-11			11	12	28	12	75	4
BSE011F008	3/4-10			10	16	38	16	100	4
BSE011F018			9/16-24	24	10	24	10	75	4
	7/8-9			9	16	38	16	100	4
	1" - 8			8	16	42	16	100	4

## Features

- ▶ BSP (G) straight pipe thread, processed with aluminum alloy, stainless steel, and titanium alloy, with good effect and high efficiency

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									



UNIT=MM

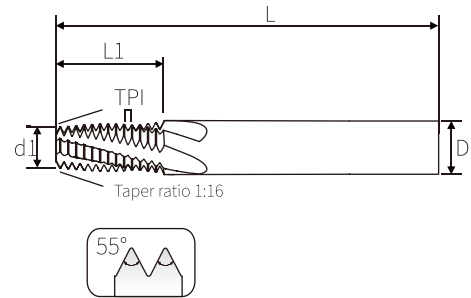
Item Code	SIZE						
	Model	Tooth pitch (TPI)	Blade diameter (d1)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE012B001	1/16	28	6.0	14	6.0	60	4
BSE012B002	1/8	28	8.0	14	8.0	60	4
BSE012B023	1/8	28	8.0	20	8.0	60	4
BSE012B003	1/4	19	8.0	18	8.0	60	4
BSE012B004	1/4	19	10	20	10	75	4
BSE012B019	1/4	19	10	24	10	75	4
BSE012B005	3/8	19	12	25	12	75	4
BSE012B020	3/8	19	12	28	12	75	4
BSE012B006	1/2	14	12	20	12	75	4
BSE012B021	1/2	14	12	28	12	75	4
BSE012B007	3/4	14	16	30	16	100	4
BSE012B027	3/4	14	16	38	16	100	4
BSE012B008	1"	11	16	32	16	100	4
BSE012B022	1"	11	16	38	16	100	4
BSE012B017	1"	11	20	42	20	100	5

## Features

- ▶ BSPT (RC) taper pipe thread, processed with aluminum alloy, stainless steel, and titanium alloy, with good effect and high efficiency

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel			Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy		
			~48HRC	~55HRC	~60HRC									~65HRC	
⊙	⊙	⊙	⊙				⊙	⊙	○	○			○	⊙	



UNIT=MM

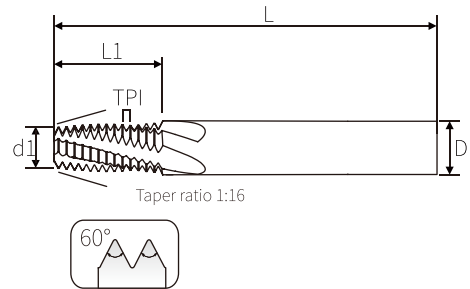
Item Code	SIZE						
	Model	Tooth pitch (TPI)	Blade diameter (d1)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE012B009	1/16	28	5.3	9.9	6.0	60	4
BSE012B010	1/8	28	7.3	9.9	8.0	60	4
BSE012B023	1/8	28	6.75	20	8.0	60	
BSE012B011	1/4	19	7.0	14	8.0	60	4
BSE012B012	1/4	19	9.0	15	10	75	4
BSE012B024	1/4	19	8.5	24	10	75	
BSE012B013	3/8	19	11.0	14	12	75	4
BSE012B025	3/8	19	10.25	28	12	75	
BSE012B014	1/2	14	10.8	19	12	75	4
BSE012B026	1/2	14	10.2	28	12	75	
BSE012B015	3/4	14	14.6	21	16	100	4
BSE012B024	1"	11	13.62	38	16	100	4
BSE012B016	1"	11	14.3	27	16	100	4
BSE012B018	1"	11	17.38	42	20	100	5

**| Features**

- ▶ NPT general sealing thread, NPTF dry sealing thread, processing material: stainless steel, titanium alloy, with good effect and high efficiency.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙				⊙	⊙	○	○			○	⊙



**NPT American standard taper pipe thread milling cutter**

UNIT=MM

Item Code	Model	TPI	d1	L1	D	L	F
BSE013N001	1/16	27	5.4	9.4	6.0	60	4
BSE013N002	1/8	27	7.4	9.4	8.0	60	4
BSE013N003	1/4	18	7.1	14.1	8.0	60	4
BSE013N004	1/4	18	9.1	14.1	10	75	4
BSE013N005	3/8	18	11.1	14.1	12	75	4
BSE013N006	1/2	14	10.8	18.1	12	75	4
BSE013N007	3/4	14	14.8	18.1	16	100	4
BSE013N008	1"	11.5	14.6	22	16	100	4
BSE013N017	1"	11.5	17.38	42	20	100	5

**NPTF American standard taper sealed pipe thread milling cutter**

Item Code	Model	TPI	d1	L1	D	L	F
BSE013N009	1/16	27	5.4	9.4	6.0	60	4
BSE013N010	1/8	27	7.4	9.4	8.0	60	4
BSE013N011	1/4	18	7.1	14.1	8.0	60	4
BSE013N012	1/4	18	9.1	14.1	10	75	4
BSE013N013	3/8	18	11.1	14.1	12	75	4
BSE013N014	1/2	14	10.8	18.1	12	75	4
BSE013N015	3/4	14	14.8	18.1	16	100	4
BSE013N016	1"	11.5	14.6	22	16	100	4
BSE013N018	1"	11.5	17.38	42	20	100	5

**Features**

- ▶ The staggered tooth design significantly reduces cutting resistance, enabling higher feed rates and greater cutting volume for improved efficiency. It extends tool life while reducing tool compensation frequency, further optimizing machining time.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel			Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙				⊙	⊙	○	○		○	⊙	



UNIT=MM

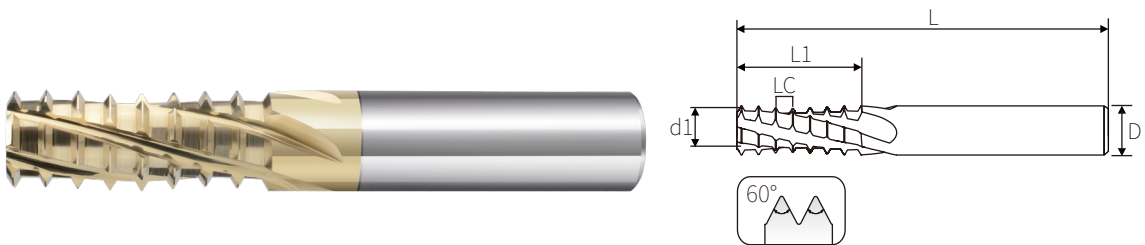
Item Code	SIZE						
	Model	Tooth pitch (mm)	Blade diameter (d1)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE081C001	M4.0	0.7	3.15	8.4	6.0	50	4
BSE081C002	M5.0	0.8	4.0	10.4	6.0	50	4
BSE081C003	M6.0	1.0	4.8	12	6.0	60	4
BSE081C004	M8.0	1.25	6.0	16.3	8.0	60	4
BSE081C005	M10	1.5	8.0	21	8.0	60	4
BSE081C006	M12	1.75	10	24.5	10	75	4
BSE081C007	M14	2.0	11.6	28	12	75	4
BSE081C008	M16	2.0	13	32	14	100	5
BSE081C009	M20	2.5	16	40	16	100	5

## Features

- ▶ The staggered tooth design significantly reduces cutting resistance, enabling higher feed rates and greater cutting volume for improved efficiency.
- It extends tool life while reducing tool compensation frequency, further optimizing machining time.

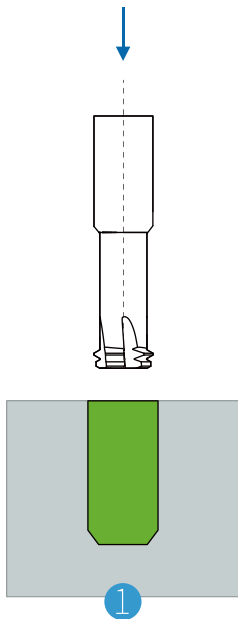
⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙

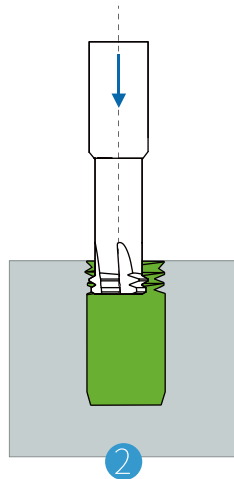


UNIT=MM

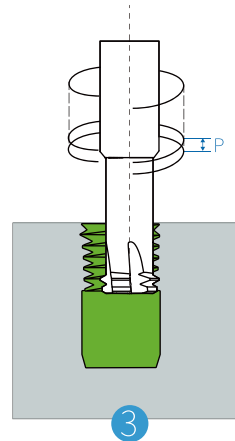
Item Code	SIZE						
	Model	Tooth pitch (mm)	Blade diameter (d1)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE082C001	M4.0	0.7	3.15	8.4	6.0	50	4
BSE082C002	M5.0	0.8	4.0	10.4	6.0	50	4
BSE081C003	M6.0	1.0	4.8	12	6.0	60	4
BSE081C004	M8.0	1.25	6.0	16.3	8.0	60	4
BSE081C005	M10	1.5	8.0	21	8.0	60	4
BSE081C006	M12	1.75	10	24.5	10	75	4
BSE081C007	M14	2.0	11.6	28	12	75	4
BSE081C008	M16	2.0	13	32	14	100	5
BSE081C009	M20	2.5	16	40	16	100	5



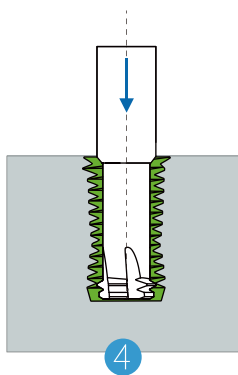
1  
The starting point is positioned at the center of the hole



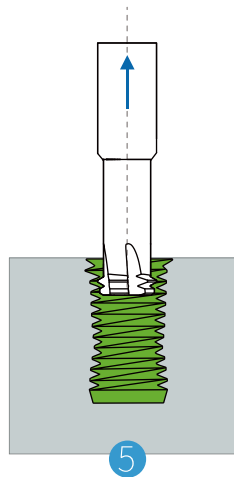
2  
Left-handed right-cut spiral feed



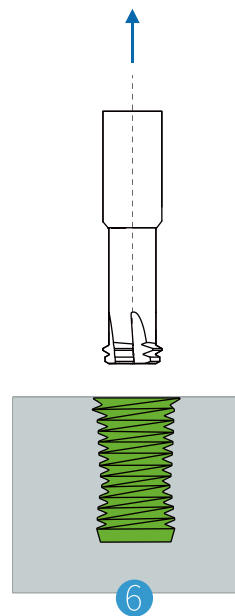
3  
Spiral processing goes down one pitch P



4  
Repeatedly spiral down according to a pitch



5  
180° exit to neutral position



6  
The tool retracts to the starting position

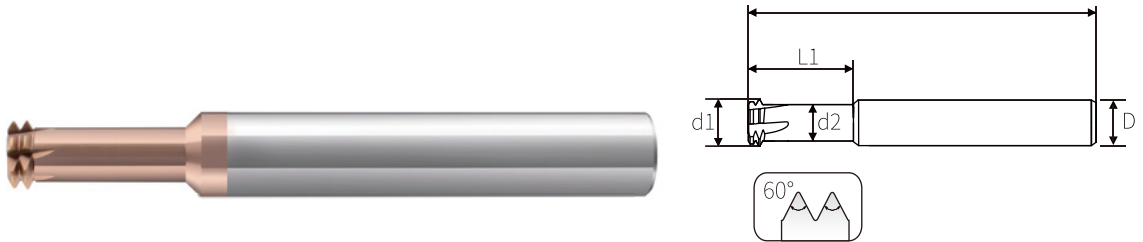
# Super Hard Left-handed Two-tooth Thread Milling Cutter (can be processed >50°HRC)

## Features

- The first row of short teeth is used for initial machining, and the second row of teeth is finely machined to complete the thread. Tool left rotation design, spindle needs to be reversed Left-handed cutting reduces the cutting force and increases the cutting force of the tool. Suitable for processing high hardness materials such as quenched steel mold steel above 48HRC

⊙ = Best ○ = Good

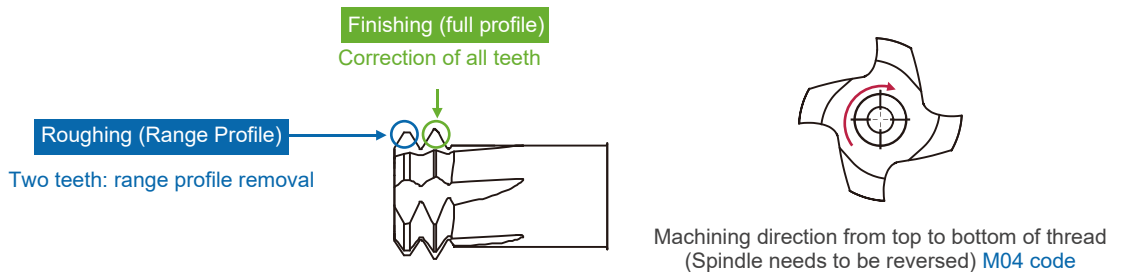
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
			⊙	⊙	⊙									



UNIT=MM

Item Code	Model	P	d1	d2	L1	D	L	F
BSE010HS001	M1.6	0.35	1.2	0.78	3.2	6.0	50	3
BSE010HS002	M2.0	0.4	1.55	1.05	4.0	6.0	50	4
BSE010HS003	M2.5	0.45	2.0	1.45	5.0	6.0	50	4
BSE010HS004	M3.0	0.5	2.4	1.8	6.0	6.0	50	4
BSE010HS005	M4.0	0.7	3.15	2.3	8.0	6.0	50	4
BSE010HS006	M5.0	0.8	4.05	3.05	10	6.0	50	4
BSE010HS007	M6.0	1.0	4.8	3.6	12	6.0	50	5
BSE010HS008	M8.0	1.25	6.5	5.0	16	8.0	60	6
BSE010HS009	M10	1.5	8.2	6.4	20	10	75	6
BSE010HS010	M12	1.75	9.6	7.5	24	10	75	6

### Working principle of metric superhard two row thread milling cutter

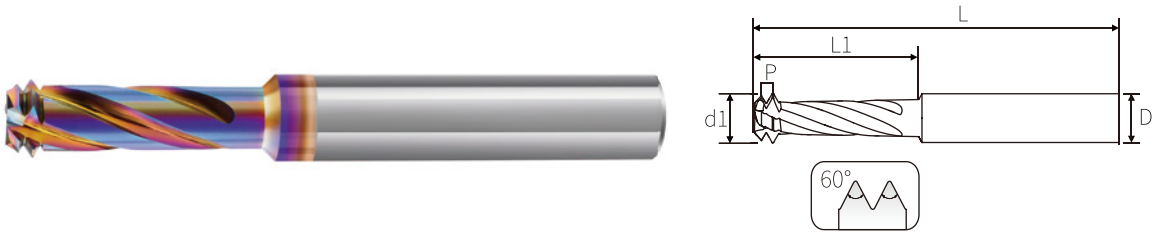


## Features

- ▶ No need for pre drilling, no need for bottom hole drilling, thread milling cutter can complete bottom hole, thread, and chamfer milling processing in one go Paired with a colorful DLC coating, it greatly improves efficiency and subverts traditional processing when processing non-ferrous metals such as copper and aluminum alloys

⊙ = Best   ○ = Good

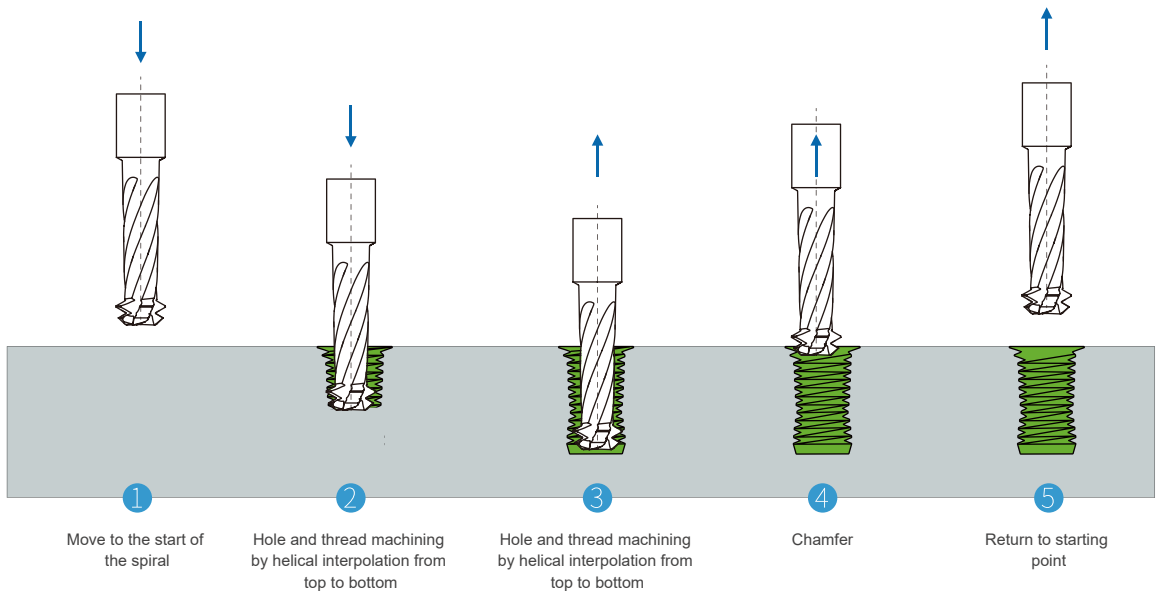
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
									⊙	⊙	⊙	⊙		



UNIT=MM

Item Code	Model	P	d1	L1	D	L	F
BSE014T001	M1.6	0.35	1.15	5.0	4.0	50	2
BSE014T002	M2.0	0.4	1.5	6.5	4.0	50	2
BSE014T003	M2.5	0.45	1.9	7.0	4.0	50	2
BSE014T004	M3.0	0.5	2.4	9.0	6.0	50	3
BSE014T005	M4.0	0.7	3.2	11	6.0	50	3
BSE014T006	M5.0	0.8	3.9	12	6.0	50	3
BSE014T007	M6.0	1.0	4.7	14	6.0	50	3
BSE014T008	M8.0	1.25	6.5	18	8.0	60	4
BSE014T009	M10	1.5	7.8	23	8.0	60	4
BSE014T010	M12	1.75	9.6	26	10	75	4

Process of multifunctional thread milling cutter for aluminum without bottom hole:

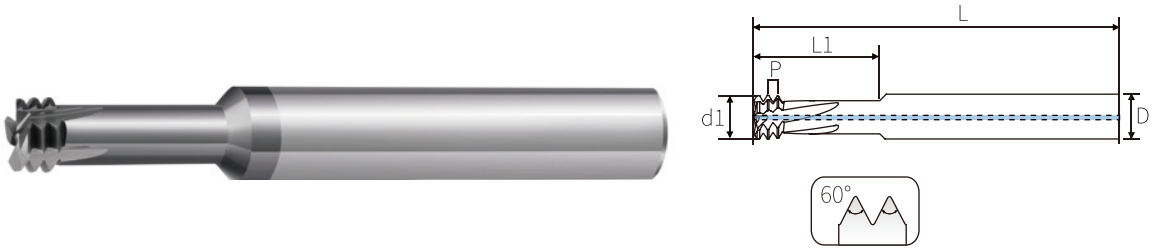


## Features

- No need for pre drilling, no need for bottom hole drilling, thread milling cutter can complete bottom hole and thread milling processing in one go  
The use of high hardness coatings greatly improves the cutting force and lifespan of the cutting tool when processing steel parts, overturning traditional processing

⊙ = Best ○ = Good

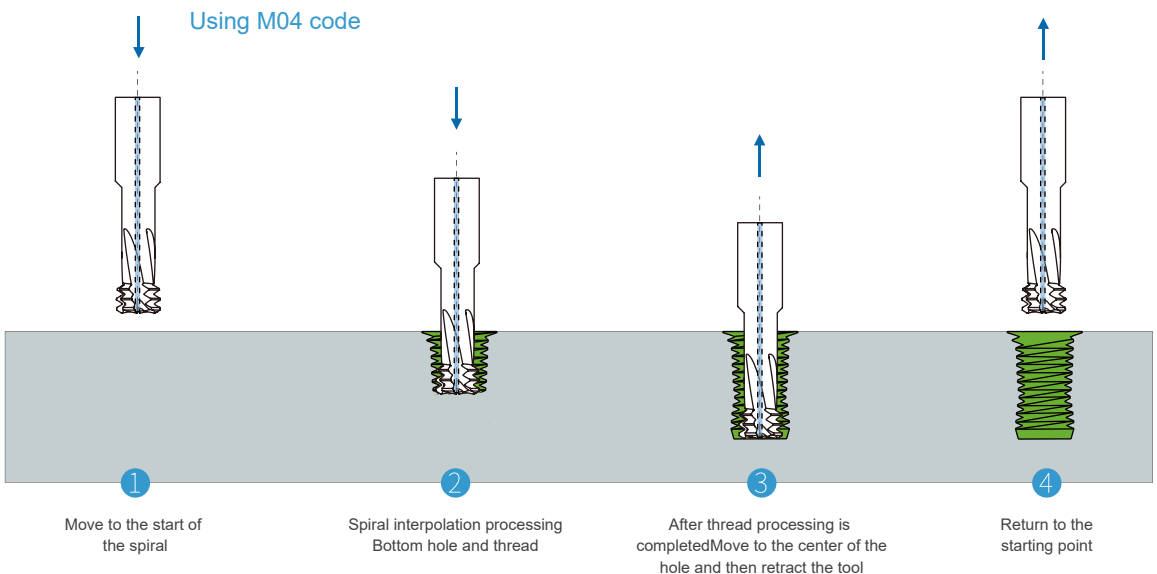
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙						○						



UNIT=MM

Item Code	Model	P	d1	L1	D	L	F	Internal cooling/external cooling
BSE059T001	M3.0	0.5	2.4	7.0	6.0	50	4	external cooling
BSE059T002	M4.0	0.7	3.2	9.0	6.0	50	4	external cooling
BSE059T003	M5.0	0.8	3.9	12	6.0	50	4	external cooling
BSE059T004	M6.0	1.0	4.7	14	6.0	50	4	external cooling
BSE059T005	M8.0	1.25	6.2	18	8.0	60	4	Internal cooling
BSE059T006	M10	1.5	7.5	23	8.0	60	4	Internal cooling
BSE059T007	M12	1.75	9.6	26	10	75	4	Internal cooling

Process of multifunctional thread milling cutter for aluminum without bottom hole:

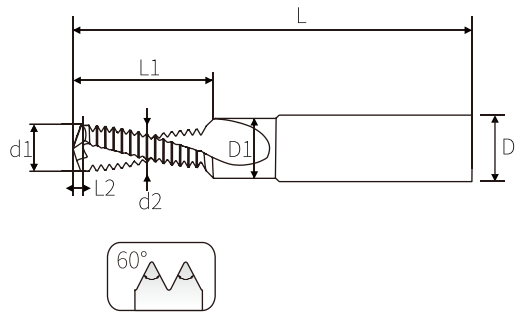


## Features

- Suitable for mass production of the same specification, a three in one drilling and milling thread milling cutter can achieve bottom hole processing, chamfering, and internal thread processing with one cutter. It is possible to reduce non machining time and improve production efficiency without changing the cutting tools. Suitable for non-ferrous metals such as copper alloys and aluminum alloys

⊙ = Best ○ = Good

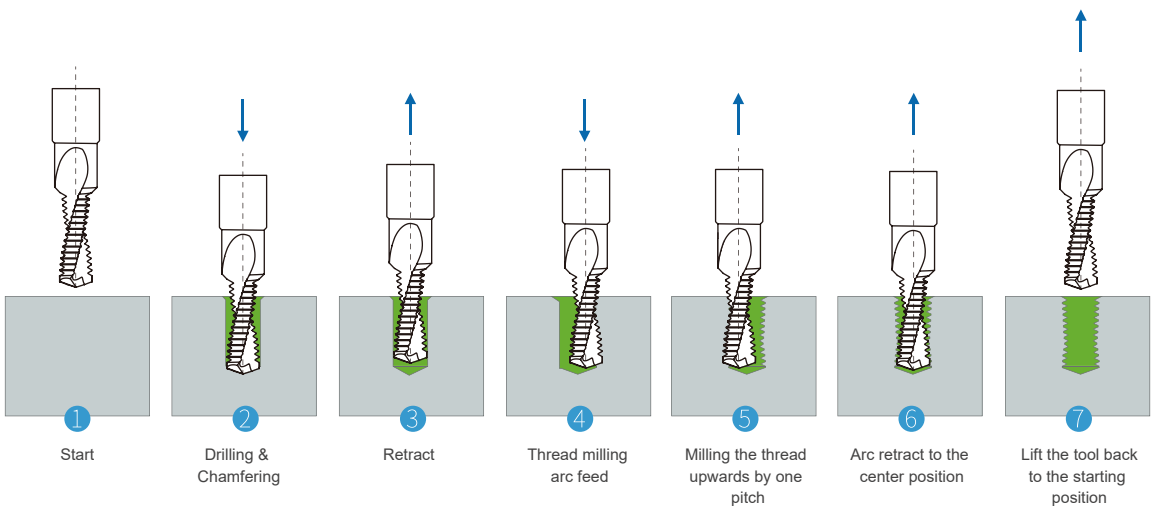
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
							⊙		○	○				



UNIT=MM

Item Code	Model	d2	d1	L1	L2	D1	D	L	F
BSE026D001	M6*1.0	4.8	5.0	12	1.0	7.0	8.0	60	2
BSE026D002	M8*1.25	6.5	6.8	15	1.3	9.0	10	75	2
BSE026D003	M10*1.5	8.2	8.5	20	1.5	11	12	75	2
BSE026D004	M12*1.75	9.9	10.3	24	1.8	13.5	14	75	2

### Three-in-one drilling and milling thread milling cutter:

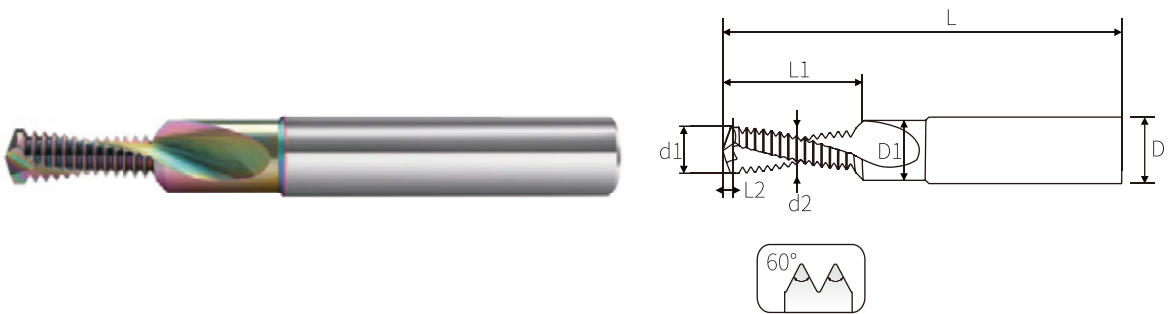


## Features

- Suitable for mass production of the same specification, a three in one drilling and milling thread milling cutter can achieve bottom hole processing, chamfering, and internal thread processing with one cutter. It is possible to reduce non machining time and improve production efficiency without changing the cutting tools. Suitable for non-ferrous metals such as copper alloys and aluminum alloys

⊙ = Best ○ = Good

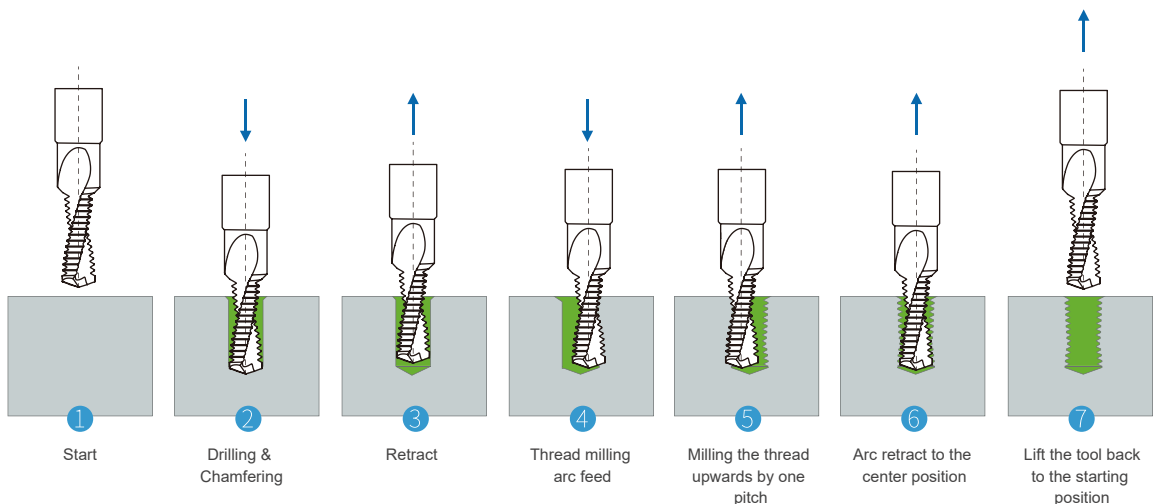
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
							⊙		○	○				



UNIT=MM

Item Code	Model	d2	d1	L1	L2	D1	D	L	F
BSE058D001	M6*1.0	4.8	5.0	12	1.0	7.0	8.0	60	2
BSE058D002	M8*1.25	6.5	6.8	15	1.3	9.0	10	75	2
BSE058D003	M10*1.5	8.2	8.5	20	1.5	11	12	75	2
BSE058D004	M12*1.75	9.9	10.3	24	1.8	13.5	14	75	2

### Three-in-one drilling and milling thread milling cutter:

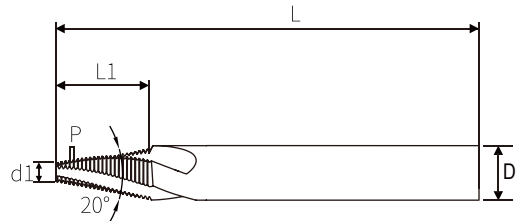


**| Features**

- ▶ Special thread milling cutter for titanium alloy bone plate material processing, with high smoothness, smooth cutting, stable size, and durable wear resistance, The unique taper spiral groove makes the tool more durable

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
													⊙	



**Taper medical bone plate thread milling cutter (60°)**

UNIT=MM

Item Code	Size						
	Tooth pitch (P)	Tooth angle	Blade diameter (d1)	Angler	Blade length (L1)	Shank diameter (D)	Total length (L)
BSE027T001	0.3	60°	1.9	20°	6.0	6.0	60
BSE027T002	0.4	60°	2.3	20°	10	6.0	60
BSE027T003	0.5	60°	2.9	20°	9.0	6.0	60
BSE027T004	0.6	60°	3.0	20°	14	8.0	60

**Taper medical bone plate thread milling cutter (55°)**

UNIT=MM

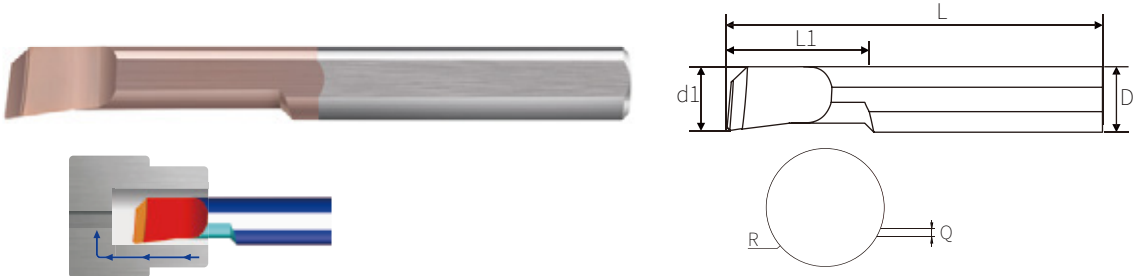
Item Code	Size						
	Tooth pitch (P)	Tooth angle	Blade diameter (d1)	Angler	Blade length (L1)	Shank diameter (D)	Total length (L)
BSE060T001	0.3	55°	1.9	20°	6.0	6.0	60
BSE060T002	0.4	55°	2.3	20°	10	6.0	60
BSE060T003	0.5	55°	2.9	20°	9.0	6.0	60
BSE060T004	0.6	55°	3.0	20°	14	8.0	60

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

Item Code	Model	d1	R	Q	L1	D	L
BSE018M001	NTR0.9	0.8	0.05	0.1	3.0	4.0	50
BSE018M002	NTR1.0	0.9	0.05	0.1	3.0	4.0	50
BSE018M003	NTR1.2	1.1	0.05	0.15	4.0	4.0	50
BSE018M004	NTR1.4	1.3	0.05	0.15	5.0	4.0	50
BSE018M005	NTR1.6	1.5	0.05	0.2	6.0	4.0	50
BSE018M006	NTR1.8	1.7	0.05	0.2	7.0	4.0	50
BSE018M007	NTR1.8	1.7	0.1	0.2	7.0	4.0	50
BSE018M008	NTR2.0	1.9	0.05	0.25	8.0	4.0	50
BSE018M083	NTR2.0	1.9	0.1	0.25	8.0	4.0	50
BSE018M009	NTR2.0	1.9	0.1	0.25	10	4.0	50
BSE018M010	NTR2.5	2.4	0.05	0.35	10	4.0	50
BSE018M011	NTR2.5	2.4	0.1	0.35	10	4.0	50
BSE018M012	NTR3.0	2.8	0.05	0.35	8.0	4.0	50
BSE018M013	NTR3.0	2.8	0.05	0.35	12	4.0	50
BSE018M014	NTR3.0	2.8	0.05	0.35	15	4.0	50
BSE018M015	NTR3.0	2.8	0.1	0.35	8.0	4.0	50
BSE018M071	NTR3.0	2.8	0.1	0.35	10	4.0	50
BSE018M016	NTR3.0	2.8	0.1	0.35	12	4.0	50
BSE018M017	NTR3.0	2.8	0.1	0.35	15	4.0	50
BSE018M018	NTR3.0	2.8	0.15	0.35	8.0	4.0	50
BSE018M019	NTR3.0	2.8	0.15	0.35	12	4.0	50
BSE018M020	NTR3.0	2.8	0.15	0.35	15	4.0	50
BSE018M066	NTR3.0	2.8	0.2	0.35	8.0	4.0	50
BSE018M072	NTR3.0	2.8	0.2	0.35	15	4.0	50
BSE018M067	NTR3.0	2.8	0.2	0.35	10	4.0	50
BSE018M021	NTR3.5	3.4	0.05	0.35	15	4.0	50
BSE018M022	NTR3.5	3.4	0.1	0.35	15	4.0	50
BSE018M023	NTR3.5	3.4	0.15	0.35	15	4.0	50
BSE018M073	NTR3.5	3.4	0.2	0.35	12	4.0	50
BSE018M024	NTR3.5	3.4	0.2	0.35	15	4.0	50
BSE018M025	NTR3.5	3.4	0.2	0.35	22	4.0	50
BSE018M026	NTR4.0	3.9	0.05	0.45	10	4.0	50
BSE018M027	NTR4.0	3.9	0.05	0.45	15	4.0	50
BSE018M028	NTR4.0	3.9	0.05	0.45	22	4.0	50
BSE018M029	NTR4.0	3.9	0.1	0.45	10	4.0	50

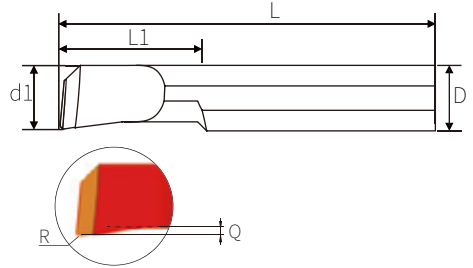
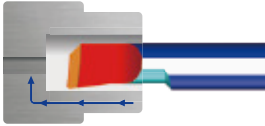
**NTR Small Hole Boring Tool - Bronze Coating-2**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

☉ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
☉	☉	○	○				○	☉		☉			○	



UNIT=MM

Item Code	Model	d1	R	Q	L1	D	L
BSE018M030	NTR4.0	3.9	0.1	0.45	15	4.0	50
BSE018M031	NTR4.0	3.9	0.1	0.45	22	4.0	50
BSE018M032	NTR4.0	3.9	0.15	0.45	10	4.0	50
BSE018M033	NTR4.0	3.9	0.15	0.45	15	4.0	50
BSE018M034	NTR4.0	3.9	0.15	0.45	22	4.0	50
BSE018M035	NTR4.0	3.9	0.2	0.45	10	4.0	50
BSE018M036	NTR4.0	3.9	0.2	0.45	15	4.0	50
BSE018M037	NTR4.0	3.9	0.2	0.45	22	4.0	50
BSE018M038	NTR4.0	3.9	0.2	0.45	20	4.0	75
BSE018M039	NTR4.0	3.9	0.2	0.45	25	4.0	100
BSE018M084	NTR4.0	3.9	0.4	0.45	10	4.0	50
BSE018M085	NTR4.0	3.9	0.4	0.45	15	4.0	50
BSE018M074	NTR4.5	4.4	0.2	0.5	15	5.0	50
BSE018M040	NTR4.6	4.5	0.2	0.5	15	5.0	50
BSE018M041	NTR4.6	4.5	0.2	0.5	22	5.0	50
BSE018M042	NTR5.0	4.9	0.05	0.55	15	5.0	50
BSE018M043	NTR5.0	4.9	0.05	0.55	22	5.0	50
BSE018M044	NTR5.0	4.9	0.1	0.55	15	5.0	50
BSE018M045	NTR5.0	4.9	0.1	0.55	22	5.0	50
BSE018M046	NTR5.0	4.9	0.2	0.55	15	5.0	50
BSE018M047	NTR5.0	4.9	0.2	0.55	20	5.0	50
BSE018M065	NTR5.0	4.9	0.2	0.55	22	5.0	50
BSE018M048	NTR5.0	4.9	0.2	0.55	30	5.0	60
BSE018M049	NTR5.0	4.9	0.2	0.55	25	5.0	75
BSE018M050	NTR5.0	4.9	0.2	0.55	30	5.0	100
BSE018M075	NTR5.0	4.9	0.4	0.55	15	5.0	50
BSE018M076	NTR5.0	4.9	0.4	0.55	20	5.0	50
BSE018M068	NTR5.5	5.4	0.2	0.65	20	6.0	50
BSE018M051	NTR6.0	5.9	0.05	0.65	15	6.0	50
BSE018M052	NTR6.0	5.9	0.05	0.65	22	6.0	50
BSE018M053	NTR6.0	5.9	0.1	0.65	15	6.0	50
BSE018M054	NTR6.0	5.9	0.1	0.65	22	6.0	50
BSE018M055	NTR6.0	5.9	0.2	0.65	15	6.0	50
BSE018M056	NTR6.0	5.9	0.2	0.65	22	6.0	50
BSE018M057	NTR6.0	5.9	0.2	0.65	30	6.0	60

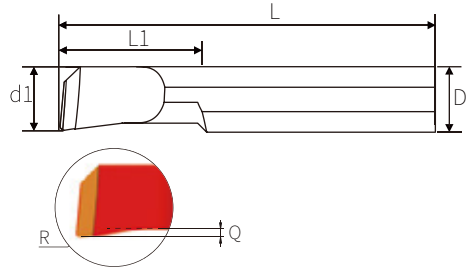
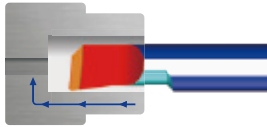
**NTR Small Hole Boring Tool - Bronze Coating-3**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								



UNIT=MM

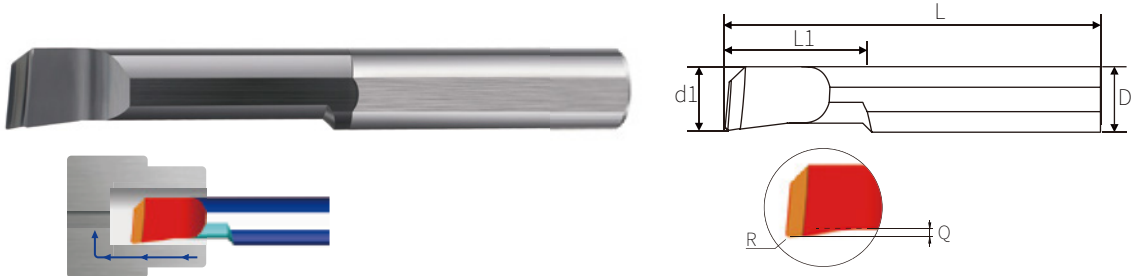
Item Code	Model	d1	R	Q	L1	D	L
BSE018M058	NTR6.0	5.9	0.2	0.65	25	6.0	75
BSE018M059	NTR6.0	5.9	0.2	0.65	30	6.0	100
BSE018M069	NTR6.0	5.9	0.4	0.65	15	6.0	50
BSE018M070	NTR6.0	5.9	0.4	0.65	22	6.0	50
BSE018M060	NTR7.0	6.9	0.2	0.75	22	8.0	60
BSE018M077	NTR7.0	6.9	0.2	0.75	25	8.0	60
BSE018M061	NTR7.0	6.9	0.2	0.75	30	8.0	60
BSE018M062	NTR8.0	7.9	0.1	0.85	30	8.0	60
BSE018M078	NTR8.0	7.9	0.2	0.85	22	8.0	60
BSE018M063	NTR8.0	7.9	0.2	0.85	30	8.0	60
BSE018M064	NTR8.0	7.9	0.2	0.85	30	8.0	100
BSE018M079	NTR10	9.9	0.2	1.05	35	10	75
BSE018M080	NTR10	9.9	0.2	1.05	50	10	100
BSE018M081	NTR12	11.9	0.2	1.25	35	12	75
BSE018M082	NTR12	11.9	0.2	1.25	50	12	100

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	



Item Code	Model	d1	R	Q	L1	D	L	UNIT=MM
BSE072M001	NTR0.9	0.8	0.05	0.1	3.0	4.0	50	
BSE072M002	NTR1.0	0.9	0.05	0.1	3.0	4.0	50	
BSE072M003	NTR1.2	1.1	0.05	0.15	4.0	4.0	50	
BSE072M004	NTR1.4	1.3	0.05	0.15	5.0	4.0	50	
BSE072M005	NTR1.6	1.5	0.05	0.2	6.0	4.0	50	
BSE072M006	NTR1.8	1.7	0.05	0.2	7.0	4.0	50	
BSE072M007	NTR1.8	1.7	0.1	0.2	7.0	4.0	50	
BSE072M008	NTR2.0	1.9	0.05	0.25	8.0	4.0	50	
BSE072M009	NTR2.0	1.9	0.1	0.25	8.0	4.0	50	
BSE018M083	NTR2.0	1.9	0.1	0.25	10	4.0	50	
BSE072M010	NTR2.5	2.4	0.05	0.35	10	4.0	50	
BSE072M011	NTR2.5	2.4	0.1	0.35	10	4.0	50	
BSE072M012	NTR3.0	2.8	0.05	0.35	8.0	4.0	50	
BSE072M013	NTR3.0	2.8	0.05	0.35	12	4.0	50	
BSE072M014	NTR3.0	2.8	0.05	0.35	15	4.0	50	
BSE072M015	NTR3.0	2.8	0.1	0.35	8.0	4.0	50	
BSE072M016	NTR3.0	2.8	0.1	0.35	10	4.0	50	
BSE072M017	NTR3.0	2.8	0.1	0.35	12	4.0	50	
BSE072M018	NTR3.0	2.8	0.1	0.35	15	4.0	50	
BSE072M019	NTR3.0	2.8	0.15	0.35	8.0	4.0	50	
BSE072M020	NTR3.0	2.8	0.15	0.35	12	4.0	50	
BSE072M021	NTR3.0	2.8	0.15	0.35	15	4.0	50	
BSE072M022	NTR3.0	2.8	0.2	0.35	8.0	4.0	50	
BSE072M023	NTR3.0	2.8	0.2	0.35	15	4.0	50	
BSE072M024	NTR3.0	2.8	0.2	0.35	10	4.0	50	
BSE072M025	NTR3.5	3.4	0.05	0.35	15	4.0	50	
BSE072M026	NTR3.5	3.4	0.1	0.35	15	4.0	50	
BSE072M027	NTR3.5	3.4	0.15	0.35	15	4.0	50	
BSE072M028	NTR3.5	3.4	0.2	0.35	12	4.0	50	
BSE072M029	NTR3.5	3.4	0.2	0.35	15	4.0	50	
BSE072M030	NTR3.5	3.4	0.2	0.35	22	4.0	50	
BSE072M031	NTR4.0	3.9	0.05	0.45	10	4.0	50	
BSE072M032	NTR4.0	3.9	0.05	0.45	15	4.0	50	
BSE072M033	NTR4.0	3.9	0.05	0.45	22	4.0	50	
BSE072M034	NTR4.0	3.9	0.1	0.45	10	4.0	50	

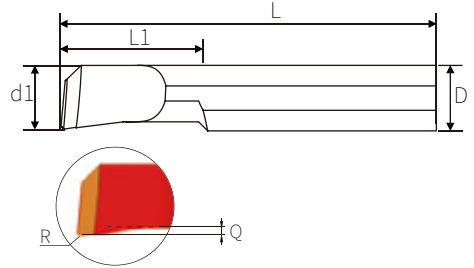
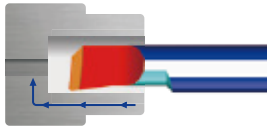
**NTR Small Hole Boring Tool - Black Coating-2**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	



UNIT=MM

Item Code	Model	d1	R	Q	L1	D	L
BSE072M035	NTR4.0	3.9	0.1	0.45	15	4.0	50
BSE072M036	NTR4.0	3.9	0.1	0.45	22	4.0	50
BSE072M037	NTR4.0	3.9	0.15	0.45	10	4.0	50
BSE072M038	NTR4.0	3.9	0.15	0.45	15	4.0	50
BSE072M039	NTR4.0	3.9	0.15	0.45	22	4.0	50
BSE072M040	NTR4.0	3.9	0.2	0.45	10	4.0	50
BSE072M041	NTR4.0	3.9	0.2	0.45	15	4.0	50
BSE072M042	NTR4.0	3.9	0.2	0.45	22	4.0	50
BSE072M043	NTR4.0	3.9	0.2	0.45	20	4.0	75
BSE072M044	NTR4.0	3.9	0.2	0.45	25	4.0	100
BSE072M084	NTR4.0	3.9	0.4	0.45	10	4.0	50
BSE072M085	NTR4.0	3.9	0.4	0.45	15	4.0	50
BSE072M045	NTR4.5	4.4	0.2	0.5	15	5.0	50
BSE072M046	NTR4.6	4.5	0.2	0.5	15	5.0	50
BSE072M047	NTR4.6	4.5	0.2	0.5	22	5.0	50
BSE072M048	NTR5.0	4.9	0.05	0.55	15	5.0	50
BSE072M049	NTR5.0	4.9	0.05	0.55	22	5.0	50
BSE072M050	NTR5.0	4.9	0.1	0.55	15	5.0	50
BSE072M051	NTR5.0	4.9	0.1	0.55	22	5.0	50
BSE072M052	NTR5.0	4.9	0.2	0.55	15	5.0	50
BSE072M053	NTR5.0	4.9	0.2	0.55	20	5.0	50
BSE072M054	NTR5.0	4.9	0.2	0.55	22	5.0	50
BSE072M055	NTR5.0	4.9	0.2	0.55	30	5.0	60
BSE072M056	NTR5.0	4.9	0.2	0.55	25	5.0	75
BSE072M057	NTR5.0	4.9	0.2	0.55	30	5.0	100
BSE072M058	NTR5.0	4.9	0.4	0.55	15	5.0	50
BSE072M059	NTR5.0	4.9	0.4	0.55	20	5.0	50
BSE072M060	NTR5.5	5.4	0.2	0.65	20	6.0	50
BSE072M061	NTR6.0	5.9	0.05	0.65	15	6.0	50
BSE072M062	NTR6.0	5.9	0.05	0.65	22	6.0	50
BSE072M063	NTR6.0	5.9	0.1	0.65	15	6.0	50
BSE072M064	NTR6.0	5.9	0.1	0.65	22	6.0	50
BSE072M065	NTR6.0	5.9	0.2	0.65	15	6.0	50
BSE072M066	NTR6.0	5.9	0.2	0.65	22	6.0	50
BSE072M067	NTR6.0	5.9	0.2	0.65	30	6.0	60

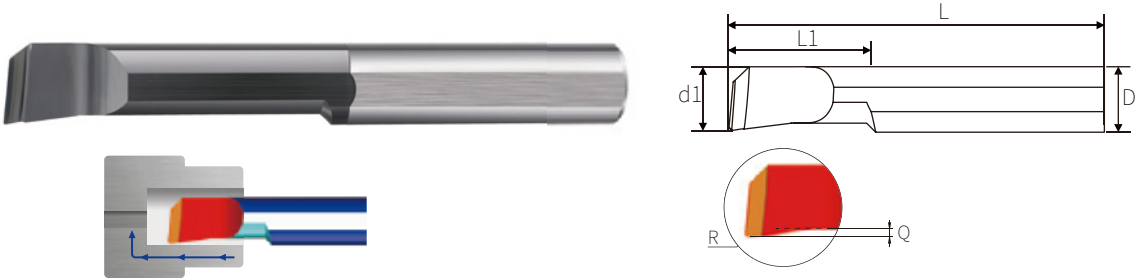
**NTR Small Hole Boring Tool - Black Coating-3**

**Features**

► Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	○



UNIT=MM

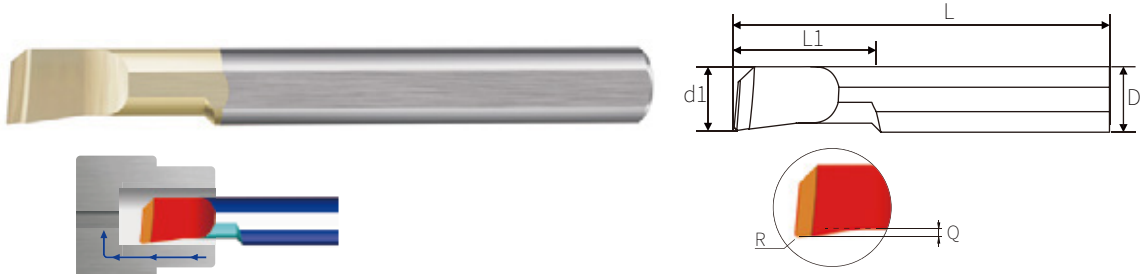
Item Code	Model	d1	R	Q	L1	D	L
BSE072M068	NTR6.0	5.9	0.2	0.65	25	6.0	75
BSE072M069	NTR6.0	5.9	0.2	0.65	30	6.0	100
BSE072M070	NTR6.0	5.9	0.4	0.65	15	6.0	50
BSE072M071	NTR6.0	5.9	0.4	0.65	22	6.0	50
BSE072M072	NTR7.0	6.9	0.2	0.75	22	8.0	60
BSE072M073	NTR7.0	6.9	0.2	0.75	25	8.0	60
BSE072M074	NTR7.0	6.9	0.2	0.75	30	8.0	60
BSE072M075	NTR8.0	7.9	0.1	0.85	30	8.0	60
BSE072M076	NTR8.0	7.9	0.2	0.85	22	8.0	60
BSE072M077	NTR8.0	7.9	0.2	0.85	30	8.0	60
BSE072M078	NTR8.0	7.9	0.2	0.85	30	8.0	100
BSE072M079	NTR10	9.9	0.2	1.05	35	10	75
BSE072M080	NTR10	9.9	0.2	1.05	50	10	100
BSE072M081	NTR12	11.9	0.2	1.25	35	12	75
BSE072M082	NTR12	11.9	0.2	1.25	50	12	100

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
								⊙	⊙	⊙	○	○	⊙	⊙	



UNIT=MM

Item Code	Model	d1	R	Q	L1	D	L
BSE073M001	NTR0.9	0.8	0.05	0.1	3.0	4.0	50
BSE073M002	NTR1.0	0.9	0.05	0.1	3.0	4.0	50
BSE073M003	NTR1.2	1.1	0.05	0.15	4.0	4.0	50
BSE073M004	NTR1.4	1.3	0.05	0.15	5.0	4.0	50
BSE073M005	NTR1.6	1.5	0.05	0.2	6.0	4.0	50
BSE073M006	NTR1.8	1.7	0.05	0.2	7.0	4.0	50
BSE073M007	NTR1.8	1.7	0.1	0.2	7.0	4.0	50
BSE073M008	NTR2.0	1.9	0.05	0.25	8.0	4.0	50
BSE073M009	NTR2.0	1.9	0.1	0.25	8.0	4.0	50
BSE073M083	NTR2.0	1.9	0.1	0.25	10	4.0	50
BSE073M010	NTR2.5	2.4	0.05	0.35	10	4.0	50
BSE073M011	NTR2.5	2.4	0.1	0.35	10	4.0	50
BSE073M012	NTR3.0	2.8	0.05	0.35	8.0	4.0	50
BSE073M013	NTR3.0	2.8	0.05	0.35	12	4.0	50
BSE073M014	NTR3.0	2.8	0.05	0.35	15	4.0	50
BSE073M015	NTR3.0	2.8	0.1	0.35	8.0	4.0	50
BSE073M016	NTR3.0	2.8	0.1	0.35	10	4.0	50
BSE073M017	NTR3.0	2.8	0.1	0.35	12	4.0	50
BSE073M018	NTR3.0	2.8	0.1	0.35	15	4.0	50
BSE073M019	NTR3.0	2.8	0.15	0.35	8.0	4.0	50
BSE073M020	NTR3.0	2.8	0.15	0.35	12	4.0	50
BSE073M021	NTR3.0	2.8	0.15	0.35	15	4.0	50
BSE073M022	NTR3.0	2.8	0.2	0.35	8.0	4.0	50
BSE073M023	NTR3.0	2.8	0.2	0.35	15	4.0	50
BSE073M024	NTR3.0	2.8	0.2	0.35	10	4.0	50
BSE073M025	NTR3.5	3.4	0.05	0.35	15	4.0	50
BSE073M026	NTR3.5	3.4	0.1	0.35	15	4.0	50
BSE073M027	NTR3.5	3.4	0.15	0.35	15	4.0	50
BSE073M028	NTR3.5	3.4	0.2	0.35	12	4.0	50
BSE073M029	NTR3.5	3.4	0.2	0.35	15	4.0	50
BSE073M030	NTR3.5	3.4	0.2	0.35	22	4.0	50
BSE073M031	NTR4.0	3.9	0.05	0.45	10	4.0	50
BSE073M032	NTR4.0	3.9	0.05	0.45	15	4.0	50
BSE073M033	NTR4.0	3.9	0.05	0.45	22	4.0	50
BSE073M034	NTR4.0	3.9	0.1	0.45	10	4.0	50

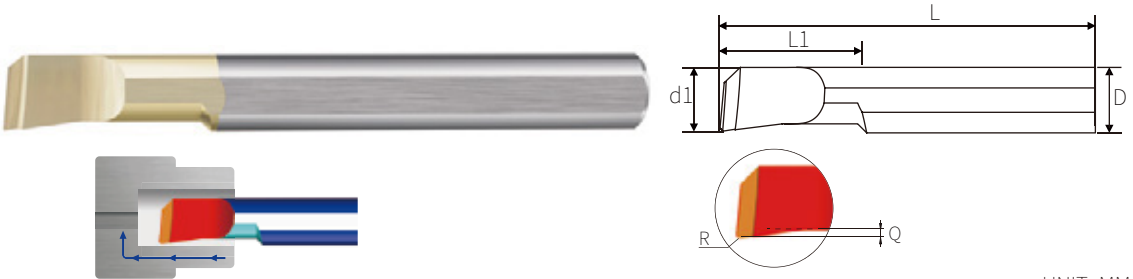
**NTR small hole boring tool - Champagne Coating-2**

**| Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
								⊙	⊙	⊙	○	○	⊙	⊙	



UNIT=MM

Item Code	Model	d1	R	Q	L1	D	L
BSE073M035	NTR4.0	3.9	0.1	0.45	15	4.0	50
BSE073M036	NTR4.0	3.9	0.1	0.45	22	4.0	50
BSE073M037	NTR4.0	3.9	0.15	0.45	10	4.0	50
BSE073M038	NTR4.0	3.9	0.15	0.45	15	4.0	50
BSE073M039	NTR4.0	3.9	0.15	0.45	22	4.0	50
BSE073M040	NTR4.0	3.9	0.2	0.45	10	4.0	50
BSE073M041	NTR4.0	3.9	0.2	0.45	15	4.0	50
BSE073M042	NTR4.0	3.9	0.2	0.45	22	4.0	50
BSE073M043	NTR4.0	3.9	0.2	0.45	20	4.0	75
BSE073M044	NTR4.0	3.9	0.2	0.45	25	4.0	100
BSE073M084	NTR4.0	3.9	0.4	0.45	10	4.0	50
BSE073M085	NTR4.0	3.9	0.4	0.45	15	4.0	50
BSE073M045	NTR4.5	4.4	0.2	0.5	15	5.0	50
BSE073M046	NTR4.6	4.5	0.2	0.5	15	5.0	50
BSE073M047	NTR4.6	4.5	0.2	0.5	22	5.0	50
BSE073M048	NTR5.0	4.9	0.05	0.55	15	5.0	50
BSE073M049	NTR5.0	4.9	0.05	0.55	22	5.0	50
BSE073M050	NTR5.0	4.9	0.1	0.55	15	5.0	50
BSE073M051	NTR5.0	4.9	0.1	0.55	22	5.0	50
BSE073M052	NTR5.0	4.9	0.2	0.55	15	5.0	50
BSE073M053	NTR5.0	4.9	0.2	0.55	20	5.0	50
BSE073M054	NTR5.0	4.9	0.2	0.55	22	5.0	50
BSE073M055	NTR5.0	4.9	0.2	0.55	30	5.0	60
BSE073M056	NTR5.0	4.9	0.2	0.55	25	5.0	75
BSE073M057	NTR5.0	4.9	0.2	0.55	30	5.0	100
BSE073M058	NTR5.0	4.9	0.4	0.55	15	5.0	50
BSE073M059	NTR5.0	4.9	0.4	0.55	20	5.0	50
BSE073M060	NTR5.5	5.4	0.2	0.65	20	6.0	50
BSE073M061	NTR6.0	5.9	0.05	0.65	15	6.0	50
BSE073M062	NTR6.0	5.9	0.05	0.65	22	6.0	50
BSE073M063	NTR6.0	5.9	0.1	0.65	15	6.0	50
BSE073M064	NTR6.0	5.9	0.1	0.65	22	6.0	50
BSE073M065	NTR6.0	5.9	0.2	0.65	15	6.0	50
BSE073M066	NTR6.0	5.9	0.2	0.65	22	6.0	50
BSE073M067	NTR6.0	5.9	0.2	0.65	30	6.0	60

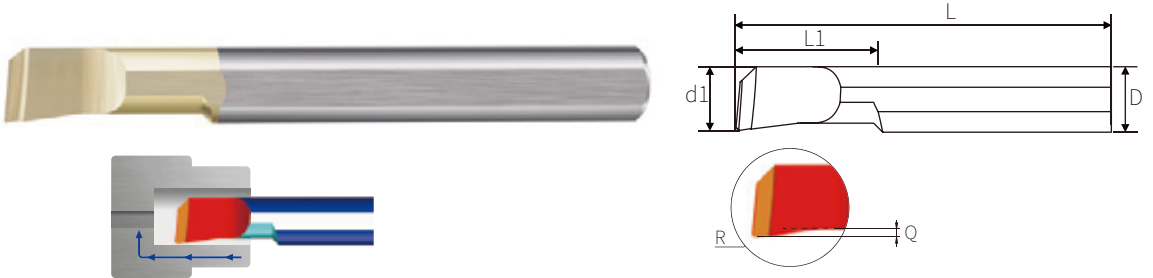
**NTR small hole boring tool - Champagne Coating-3**

**Features**

► Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
								⊙	⊙	⊙	○	○	⊙	⊙



UNIT=MM

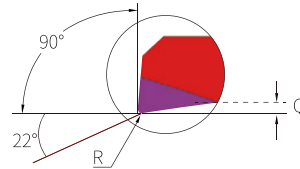
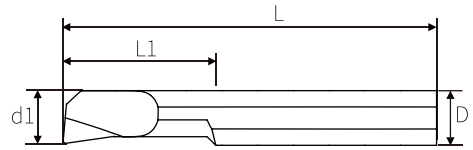
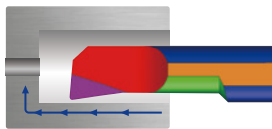
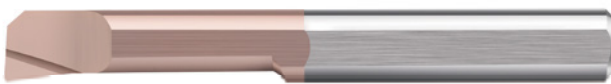
Item Code	Model	d1	R	Q	L1	D	L
BSE073M068	NTR6.0	5.9	0.2	0.65	25	6.0	75
BSE073M069	NTR6.0	5.9	0.2	0.65	30	6.0	100
BSE073M070	NTR6.0	5.9	0.4	0.65	15	6.0	50
BSE073M071	NTR6.0	5.9	0.4	0.65	22	6.0	50
BSE073M072	NTR7.0	6.9	0.2	0.75	22	8.0	60
BSE073M073	NTR7.0	6.9	0.2	0.75	25	8.0	60
BSE073M074	NTR7.0	6.9	0.2	0.75	30	8.0	60
BSE073M075	NTR8.0	7.9	0.1	0.85	30	8.0	60
BSE073M076	NTR8.0	7.9	0.2	0.85	22	8.0	60
BSE073M077	NTR8.0	7.9	0.2	0.85	30	8.0	60
BSE073M078	NTR8.0	7.9	0.2	0.85	30	8.0	100
BSE073M079	NTR10	9.9	0.2	1.05	35	10	75
BSE073M080	NTR10	9.9	0.2	1.05	50	10	100
BSE073M081	NTR12	11.9	0.2	1.25	35	12	75
BSE073M082	NTR12	11.9	0.2	1.25	50	12	100

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
									⊙	⊙	○	○	⊙	⊙



UNIT=MM

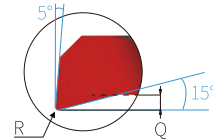
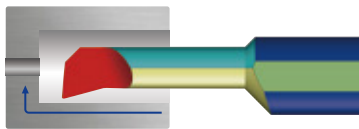
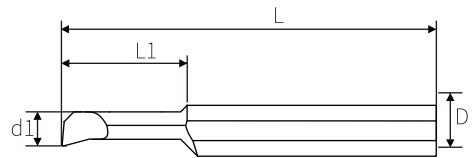
Item Code	Model	d1	R	Q	L1	D	L
BSE061N001	NNR1.0	0.9	0.05	0.1	3.0	4.0	50
BSE061N002	NNR1.2	1.1	0.05	0.15	4.0	4.0	50
BSE061N003	NNR1.4	1.3	0.05	0.15	5.0	4.0	50
BSE061N004	NNR1.6	1.5	0.05	0.2	6.0	4.0	50
BSE061N005	NNR1.8	1.7	0.1	0.2	7.0	4.0	50
BSE061N006	NNR2.0	1.9	0.1	0.25	8.0	4.0	50
BSE061N007	NNR2.0	1.9	0.1	0.25	10	4.0	50
BSE061N008	NNR2.5	2.4	0.1	0.3	10	4.0	50
BSE061N009	NNR2.5	2.4	0.1	0.3	15	4.0	50
BSE061N010	NNR3.0	2.8	0.1	0.3	8	4.0	50
BSE061N011	NNR3.0	2.8	0.1	0.3	12	4.0	50
BSE061N012	NNR3.0	2.8	0.1	0.3	15	4.0	50
BSE061N013	NNR3.0	2.8	0.15	0.3	12	4.0	50
BSE061N014	NNR3.0	2.8	0.2	0.3	12	4.0	50
BSE061N015	NNR3.0	2.8	0.2	0.3	15	4.0	50
BSE061N016	NNR4.0	3.9	0.1	0.45	10	4.0	50
BSE061N017	NNR4.0	3.9	0.1	0.45	15	4.0	50
BSE061N018	NNR4.0	3.9	0.2	0.45	10	4.0	50
BSE061N019	NNR4.0	3.9	0.2	0.45	15	4.0	50
BSE061N020	NNR4.0	3.9	0.2	0.45	22	4.0	50
BSE061N021	NNR4.0	3.9	0.4	0.45	15	4.0	50
BSE061N022	NNR5.0	4.9	0.2	0.55	15	5.0	50
BSE061N023	NNR5.0	4.9	0.2	0.55	22	5.0	50
BSE061N024	NNR5.0	4.9	0.4	0.55	22	5.0	50
BSE061N025	NNR6.0	5.9	0.2	0.65	15	6.0	50
BSE061N026	NNR6.0	5.9	0.2	0.65	22	6.0	50
BSE061N027	NNR6.0	5.9	0.4	0.65	22	6.0	50
BSE061N028	NNR8.0	7.9	0.2	0.85	32	8.0	60

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	



UNIT=MM

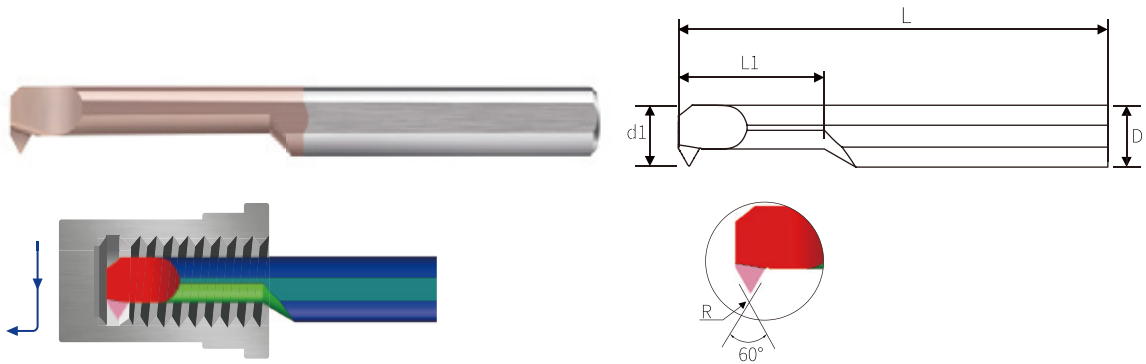
Item Code	Model	d1	R	Q	L1	D	L
BSE076N001	NNR1.0	0.8	0.05	0.2	3.0	4.0	50
BSE076N002	NNR1.5	1.2	0.1	0.25	5.0	4.0	50
BSE076N003	NNR2.0	1.7	0.1	0.35	7.0	4.0	50
BSE076N004	NNR2.5	2.3	0.1	0.45	7.0	4.0	50
BSE076N005	NNR2.5	2.3	0.1	0.45	10	4.0	50
BSE076N006	NNR3.0	2.7	0.1	0.45	10	4.0	50
BSE076N007	NNR3.0	2.7	0.1	0.45	15	4.0	50
BSE076N008	NNR3.5	3.2	0.15	0.5	10	4.0	50
BSE076N009	NNR3.5	3.2	0.15	0.5	15	4.0	50
BSE076N010	NNR4.0	3.7	0.15	0.5	10	4.0	50
BSE076N011	NNR4.0	3.7	0.15	0.5	15	4.0	50
BSE076N012	NNR4.0	3.7	0.15	0.5	20	4.0	50
BSE076N013	NNR4.5	4.0	0.15	0.7	15	4.0	50
BSE076N014	NNR4.5	4.0	0.15	0.7	20	4.0	50
BSE076N015	NNR5.0	4.7	0.2	0.8	10	5.0	50
BSE076N016	NNR5.0	4.7	0.2	0.8	15	5.0	50
BSE076N017	NNR5.0	4.7	0.2	0.8	25	5.0	50
BSE076N018	NNR5.0	4.7	0.2	0.8	30	5.0	60
BSE076N019	NNR5.5	5.2	0.2	0.9	15	6.0	50
BSE076N020	NNR5.5	5.2	0.2	0.9	20	6.0	50
BSE076N021	NNR5.5	5.2	0.2	0.9	25	6.0	50
BSE076N022	NNR6.0	5.7	0.2	0.9	15	6.0	50
BSE076N023	NNR6.0	5.7	0.2	0.9	20	6.0	50
BSE076N024	NNR6.0	5.7	0.2	0.9	25	6.0	50
BSE076N025	NNR6.0	5.7	0.2	0.9	30	6.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

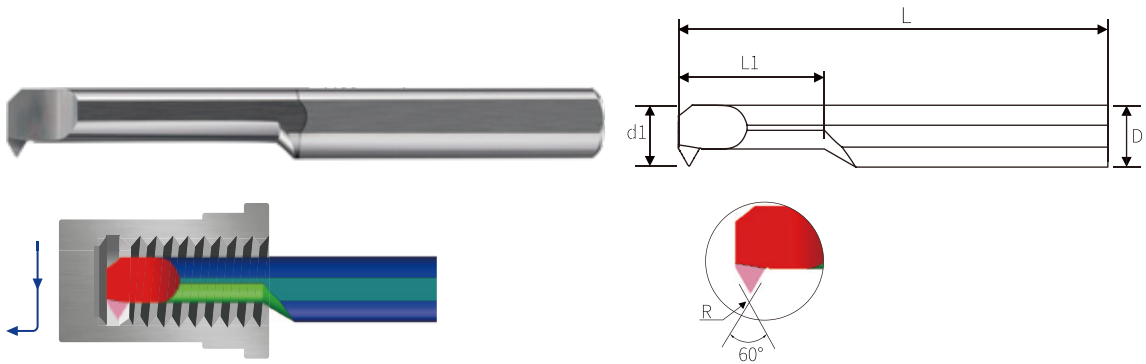
Item Code	Model	d1	R	Angle	P	L1	D	L
BSE019M015	MIR1.0	0.9	0	60°		3.5	4.0	50
BSE019M001	NIR1.5	1.4	0.03	60°	0.3-0.4	4.0	4.0	50
BSE019M009	NIR2.0	1.9	0.03	60°	0.3-0.5	4.0	4.0	50
BSE019M002	NIR2.0	1.9	0.03	60°	0.3-0.5	6.0	4.0	50
BSE019M010	NIR2.5	2.4	0.03	60°	0.3-0.6	5.0	4.0	50
BSE019M003	NIR2.5	2.4	0.03	60°	0.3-0.6	7.0	4.0	50
BSE019M011	NIR3.0	2.9	0.05	60°	0.5-0.8	6.0	4.0	50
BSE019M004	NIR3.0	2.9	0.05	60°	0.5-0.8	10	4.0	50
BSE019M012	NIR4.0	3.9	0.08	60°	0.5-1.0	8.0	4.0	50
BSE019M005	NIR4.0	3.9	0.08	60°	0.5-1.0	12	4.0	50
BSE019M013	NIR5.0	4.9	0.1	60°	0.8-1.25	12	5.0	50
BSE019M006	NIR5.0	4.9	0.1	60°	0.8-1.25	15	5.0	50
BSE019M014	NIR6.0	5.9	0.1	60°	0.8-1.5	15	6.0	50
BSE019M007	NIR6.0	5.9	0.1	60°	0.8-1.5	22	6.0	50
BSE019M008	NIR8.0	7.9	0.1	60°	1.0-2.0	22	8.0	60

## Features

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

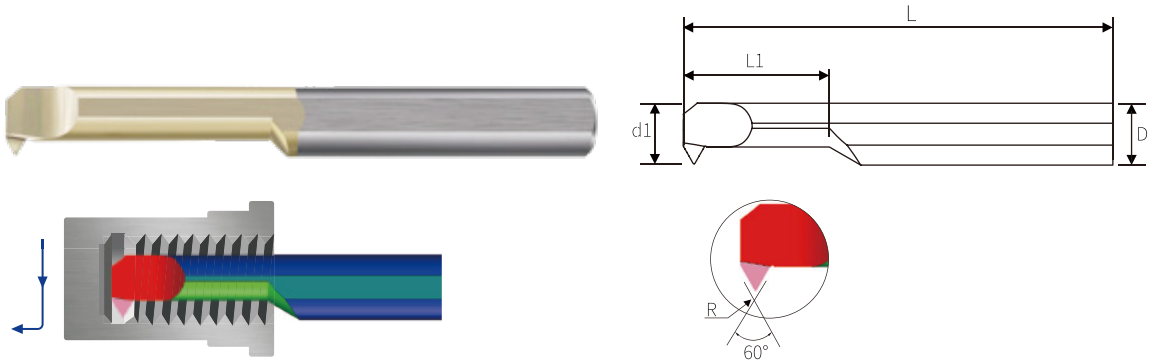
Item Code	Model	d1	R	Angle	P	L1	D	L
BSE078M001	MIR1.0	0.9	0	60°		3.5	4.0	50
BSE078M002	NIR1.5	1.4	0.03	60°	0.3-0.4	4.0	4.0	50
BSE078M003	NIR2.0	1.9	0.03	60°	0.3-0.5	4.0	4.0	50
BSE078M004	NIR2.0	1.9	0.03	60°	0.3-0.5	6.0	4.0	50
BSE078M005	NIR2.5	2.4	0.03	60°	0.3-0.6	5.0	4.0	50
BSE078M006	NIR2.5	2.4	0.03	60°	0.3-0.6	7.0	4.0	50
BSE078M007	NIR3.0	2.9	0.05	60°	0.5-0.8	6.0	4.0	50
BSE078M008	NIR3.0	2.9	0.05	60°	0.5-0.8	10	4.0	50
BSE078M009	NIR4.0	3.9	0.08	60°	0.5-1.0	8.0	4.0	50
BSE078M010	NIR4.0	3.9	0.08	60°	0.5-1.0	12	4.0	50
BSE078M011	NIR5.0	4.9	0.1	60°	0.8-1.25	12	5.0	50
BSE078M012	NIR5.0	4.9	0.1	60°	0.8-1.25	15	5.0	50
BSE078M013	NIR6.0	5.9	0.1	60°	0.8-1.5	15	6.0	50
BSE078M014	NIR6.0	5.9	0.1	60°	0.8-1.5	22	6.0	50
BSE078M015	NIR8.0	7.9	0.1	60°	1.0-2.0	22	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

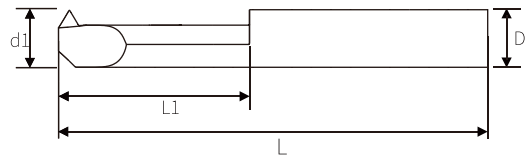
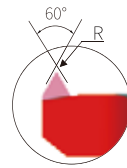
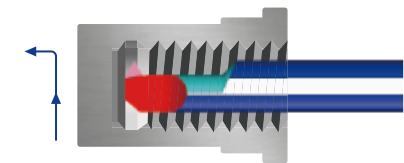
Item Code	Model	d1	R	Angle	P	L1	D	L
BSE079M001	MIR1.0	0.9	0	60°		3.5	4.0	50
BSE079M002	NIR1.5	1.4	0.03	60°	0.3-0.4	4.0	4.0	50
BSE079M003	NIR2.0	1.9	0.03	60°	0.3-0.5	4.0	4.0	50
BSE079M004	NIR2.0	1.9	0.03	60°	0.3-0.5	6.0	4.0	50
BSE079M005	NIR2.5	2.4	0.03	60°	0.3-0.6	5.0	4.0	50
BSE079M006	NIR2.5	2.4	0.03	60°	0.3-0.6	7.0	4.0	50
BSE079M007	NIR3.0	2.9	0.05	60°	0.5-0.8	6.0	4.0	50
BSE079M008	NIR3.0	2.9	0.05	60°	0.5-0.8	10	4.0	50
BSE079M009	NIR4.0	3.9	0.08	60°	0.5-1.0	8.0	4.0	50
BSE079M010	NIR4.0	3.9	0.08	60°	0.5-1.0	12	4.0	50
BSE079M011	NIR5.0	4.9	0.1	60°	0.8-1.25	12	5.0	50
BSE079M012	NIR5.0	4.9	0.1	60°	0.8-1.25	15	5.0	50
BSE079M013	NIR6.0	5.9	0.1	60°	0.8-1.5	15	6.0	50
BSE079M014	NIR6.0	5.9	0.1	60°	0.8-1.5	22	6.0	50
BSE079M015	NIR8.0	7.9	0.1	60°	1.0-2.0	22	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

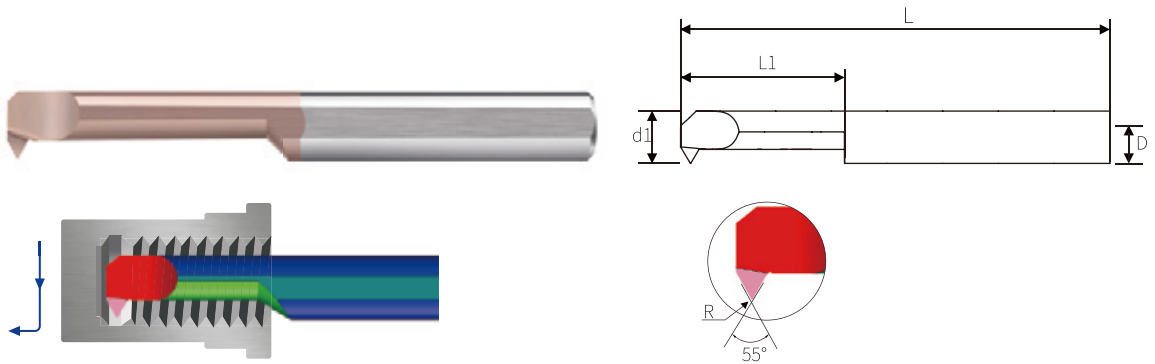
Item Code	Model	d1	R	Angle	P	L1	D	L
BSE036M001	NIL1.5	1.4	0.03	60°	0.3-0.4	4.0	4.0	50
BSE036M002	NIL2.0	1.9	0.03	60°	0.3-0.5	6.0	4.0	50
BSE036M003	NIL2.5	2.4	0.03	60°	0.3-0.6	7.0	4.0	50
BSE036M004	NIL3.0	2.9	0.05	60°	0.5-0.8	10	4.0	50
BSE036M005	NIL4.0	3.9	0.05	60°	0.5-1.0	12	4.0	50
BSE036M006	NIL5.0	4.9	0.1	60°	0.8-1.25	15	5.0	50
BSE036M007	NIL6.0	5.9	0.1	60°	0.8-1.5	22	6.0	50
BSE036M008	NIL8.0	7.9	0.1	60°	1.0-2.0	22	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

Item Code	Model	d1	R	Angle	L1	D	L
BSE040M001	NIR3.0	2.9	0.05	55°	10	4.0	50
BSE040M002	NIR4.0	3.9	0.05	55°	12	4.0	50
BSE040M003	NIR4.0	3.9	0.1	55°	12	4.0	50
BSE040M004	NIR5.0	4.9	0.05	55°	15	5.0	50
BSE040M005	NIR5.0	4.9	0.1	55°	15	5.0	50
BSE040M006	NIR6.0	5.9	0.05	55°	22	6.0	50
BSE040M007	NIR6.0	5.9	0.1	55°	22	6.0	50
BSE040M008	NIR8.0	7.9	0.1	55°	22	8.0	60

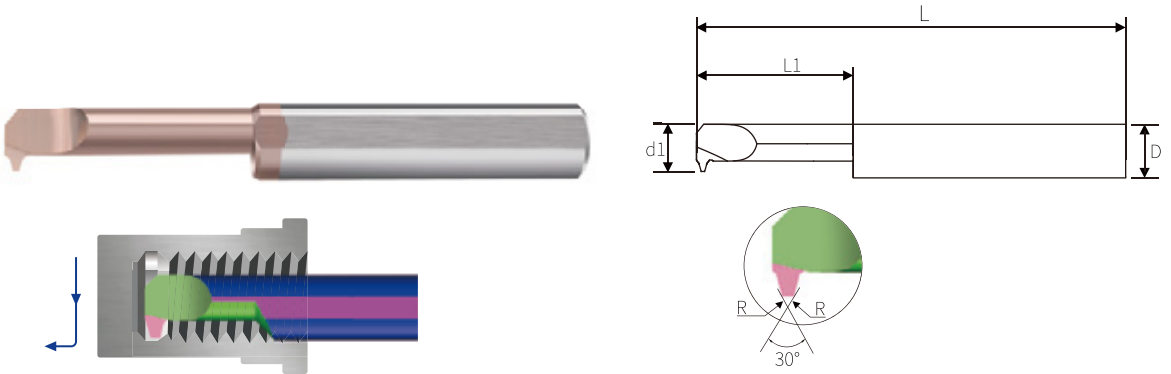
**NIR Small Hole Thread Turning Tool(TR)**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

Item Code	Model	d1	Angle	L1	D	L
BSE041T001	NIR 6D 20L 1.5 TR	5.6	30°	20	6.0	50
BSE041T002	NIR 8D 25L 2.0 TR	6.4	30°	25	8.0	60
BSE041T003	NIR 8D 35L 3.0 TR	6.8	30°	35	8.0	75
BSE041T004	NIR 10D 35L 2.0 TR	9.6	30°	35	10	75
BSE041T005	NIR 10D 45L 4.0 TR	9.9	30°	45	10	100
BSE041T006	NIR 12D 50L 5.0 TR	11.9	30°	50	12	100

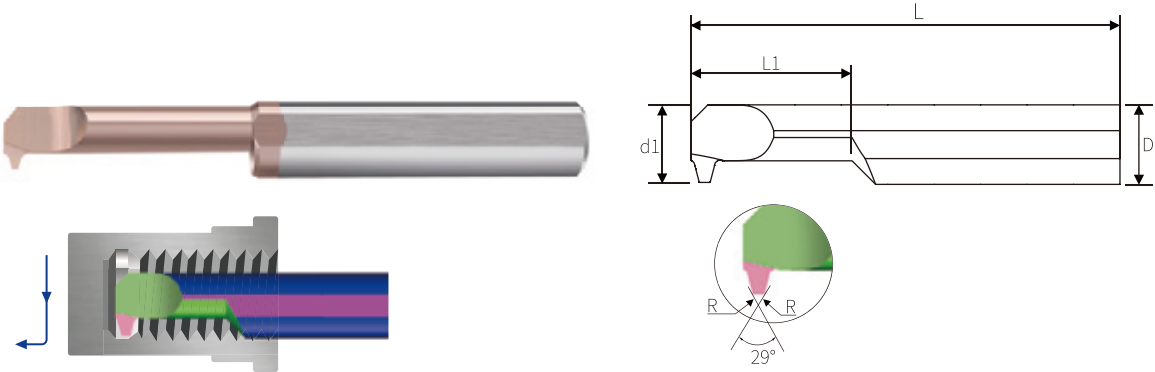
**NIR Small Hole Thread Turning Tool(ACME)**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

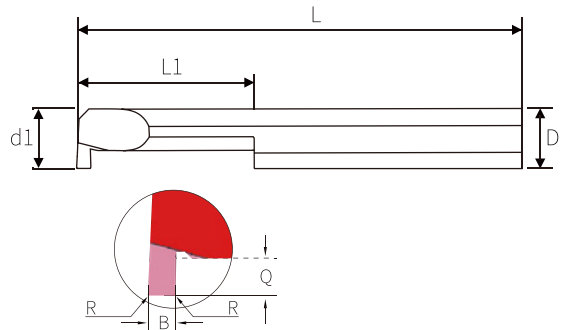
Item Code	Model	d1	Angle	L1	D	L
BSE043T001	NIR 4D 15L 16 ACME	3.9	29°	15	4.0	50
BSE043T002	NIR 6D 20L 14 ACME	5.6	29°	20	6.0	50
BSE043T003	NIR 8D 25L 12 ACME	6.6	29°	25	8.0	60
BSE043T004	NIR 8D 30L 10 ACME	7.9	29°	30	8.0	75
BSE043T005	NIR 10D 35L 8 ACME	9.9	29°	35	10	75
BSE043T006	NIR 10D 45L 6 ACME	9.9	29°	45	10	100
BSE043T007	NIR 12D 50L 5 ACME	11.9	29°	50	12	100

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

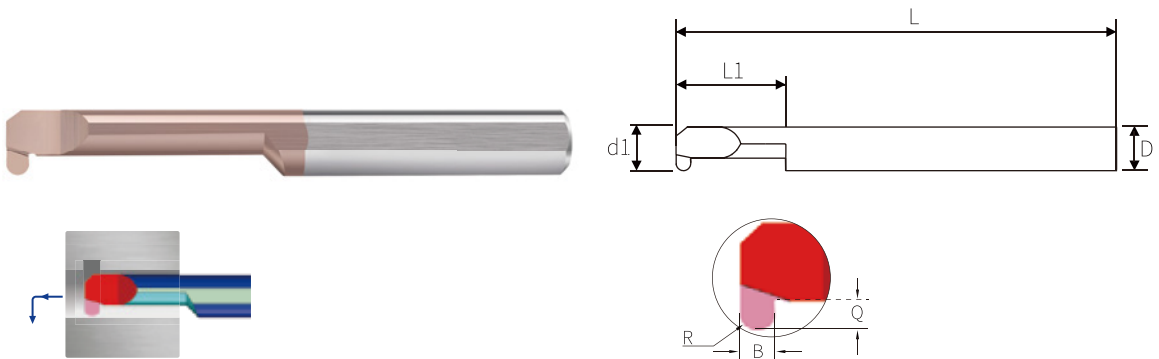
Item Code	Model	d1	B	Q	L1	D	L
BSE029G001	NGR3.0	2.9	0.5	0.8	10	4.0	50
BSE029G002	NGR3.0	2.9	0.75	0.8	10	4.0	50
BSE029G003	NGR3.0	2.9	1.0	0.8	10	4.0	50
BSE029G004	NGR3.0	2.9	1.5	0.8	10	4.0	50
BSE029G005	NGR4.0	3.9	0.5	1.0	10	4.0	50
BSE029G006	NGR4.0	3.9	0.8	1.0	10	4.0	50
BSE029G007	NGR4.0	3.9	1.0	1.0	10	4.0	50
BSE029G021	NGR4.0	3.9	1.2	1.0	10	4.0	50
BSE029G008	NGR4.0	3.9	1.5	1.0	10	4.0	50
BSE029G009	NGR5.0	4.9	1.0	1.5	10	5.0	50
BSE029G010	NGR5.0	4.9	1.2	1.5	10	5.0	50
BSE029G011	NGR5.0	4.9	1.5	1.5	10	5.0	50
BSE029G012	NGR5.0	4.9	2.0	2.0	10	5.0	50
BSE029G013	NGR6.0	5.9	1.0	2.0	15	6.0	50
BSE029G022	NGR6.0	5.9	1.2	2.0	15	6.0	50
BSE029G014	NGR6.0	5.9	1.5	2.0	15	6.0	50
BSE029G015	NGR6.0	5.9	2.0	2.5	15	6.0	50
BSE029G016	NGR6.0	5.9	2.5	2.5	15	6.0	50
BSE029G017	NGR8.0	7.9	1.5	2.0	20	8.0	60
BSE029G018	NGR8.0	7.9	2.0	2.5	20	8.0	60
BSE029G019	NGR8.0	7.9	2.5	3.0	20	8.0	60
BSE029G020	NGR8.0	7.9	3.0	3.0	20	8.0	60
BSE029G021	MGR4.0	3.9	1.2	1.0	10	4.0	50
BSE029G022	MGR6.0	5.9	1.2	2.0	15	6.0	50

## Features

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙				○



UNIT=MM

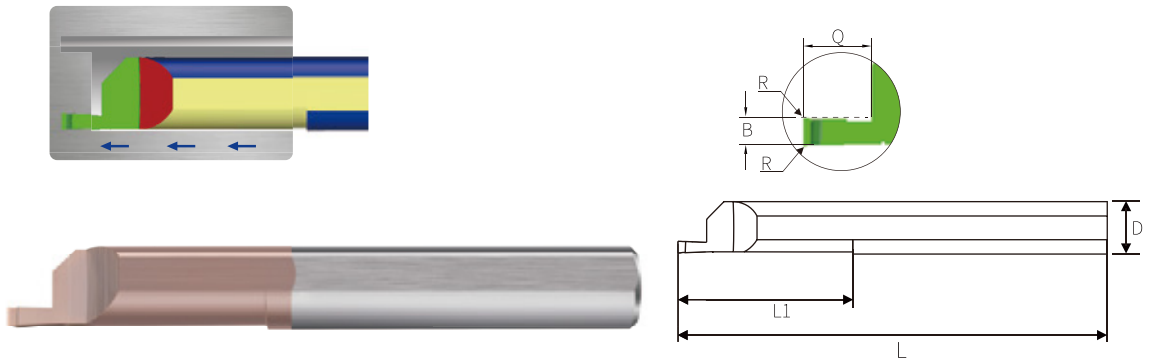
Item Code	Model	d1	R	B	Q	L1	D	L
BSE064K001	NKR4.0	3.9	0.5	1.0	1.0	10	4.0	50
BSE064K002	NKR4.0	3.9	0.5	1.0	1.0	15	4.0	50
BSE064K003	NKR4.0	3.9	0.75	1.5	1.0	10	4.0	50
BSE064K004	NKR4.0	3.9	0.75	1.5	1.0	15	4.0	50
BSE064K005	NKR5.0	4.9	0.5	1.0	1.2	15	5.0	50
BSE064K006	NKR5.0	4.9	0.5	1.0	1.2	22	5.0	50
BSE064K007	NKR5.0	4.9	0.75	1.5	1.2	15	5.0	50
BSE064K008	NKR5.0	4.9	0.75	1.5	1.2	22	5.0	50
BSE064K009	NKR5.0	4.9	1.0	2.0	1.3	15	5.0	50
BSE064K010	NKR5.0	4.9	1.0	2.0	1.3	22	5.0	50
BSE064K011	NKR6.0	5.9	0.5	1.0	1.6	15	6.0	50
BSE064K012	NKR6.0	5.9	0.5	1.0	1.6	22	6.0	50
BSE064K013	NKR6.0	5.9	0.75	1.5	1.6	15	6.0	50
BSE064K014	NKR6.0	5.9	0.75	1.5	1.6	22	6.0	50
BSE064K015	NKR6.0	5.9	1.0	2.0	1.6	15	6.0	50
BSE064K016	NKR6.0	5.9	1.0	2.0	1.6	22	6.0	50
BSE064K017	NKR8.0	7.9	0.5	1.0	2.0	22	8.0	60
BSE064K018	NKR8.0	7.9	0.75	1.5	2.0	22	8.0	60
BSE064K019	NKR8.0	7.9	1.0	2.0	2.0	22	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

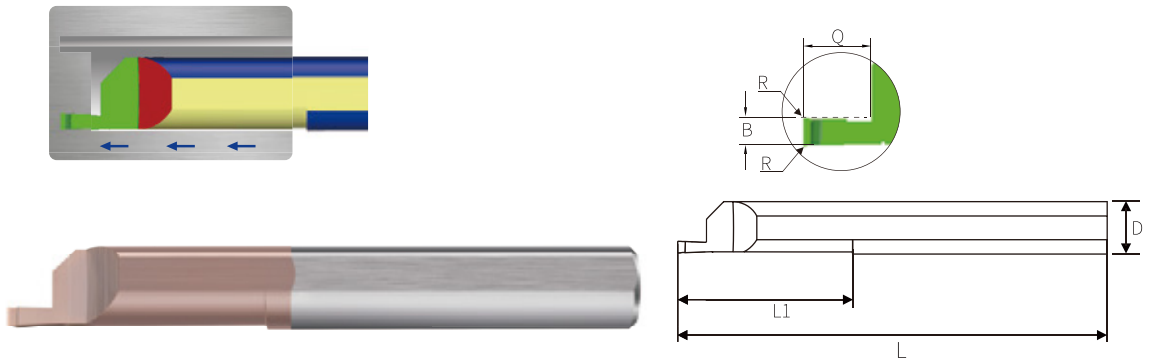
Item Code	Model	B	Q	R	L1	D	L
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BSE030F016	NFR4.0	0.75	1.2	0.05	15	4.0	50
BSE030F017	NFR4.0	1.0	1.5	0.05	15	4.0	50
BSE030F027	NFR4.0	1.5	2.0	0.05	15	4.0	50
BSE030F018	NFR5.0	1.0	2.0	0.05	22	5.0	50
BSE030F019	NFR5.0	1.5	2.5	0.05	22	5.0	50
BSE030F020	NFR5.0	2.0	3.0	0.05	22	5.0	50
BSE030F001	NFR6.0	0.5	1.0	0.05	20	6.0	50
BSE030F002	NFR6.0	1.0	2.0	0.05	20	6.0	50
BSE030F003	NFR6.0	1.5	3.0	0.05	20	6.0	50
BSE030F004	NFR6.0	2.0	4.0	0.05	20	6.0	50
BSE030F005	NFR8.0	1.0	2.0	0.05	25	8.0	60
BSE030F006	NFR8.0	1.5	3.0	0.05	25	8.0	60
BSE030F007	NFR8.0	2.0	4.0	0.05	25	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

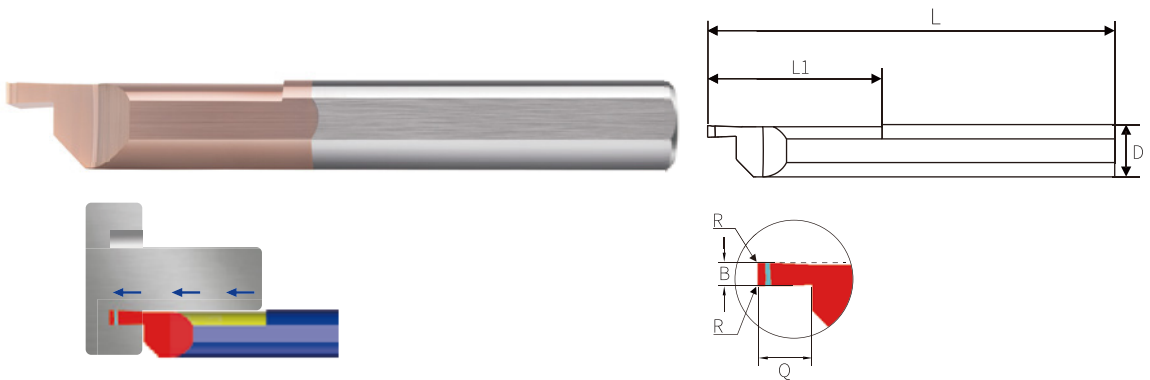
Item Code	Model	B	Q	R	L1	D	L
BSE030F015	NFR4.0	0.5	1.0	0.05	15	4.0	50
BSE030F016	NFR4.0	0.75	1.2	0.05	15	4.0	50
BSE030F017	NFR4.0	1.0	1.5	0.05	15	4.0	50
BSE030F027	NFR4.0	1.5	2.0	0.05	15	4.0	50
BSE030F018	NFR5.0	1.0	2.0	0.05	22	5.0	50
BSE030F019	NFR5.0	1.5	2.5	0.05	22	5.0	50
BSE030F020	NFR5.0	2.0	3.0	0.05	22	5.0	50
BSE030F001	NFR6.0	0.5	1.0	0.05	20	6.0	50
BSE030F002	NFR6.0	1.0	2.0	0.05	20	6.0	50
BSE030F003	NFR6.0	1.5	3.0	0.05	20	6.0	50
BSE030F004	NFR6.0	2.0	4.0	0.05	20	6.0	50
BSE030F005	NFR8.0	1.0	2.0	0.05	25	8.0	60
BSE030F006	NFR8.0	1.5	3.0	0.05	25	8.0	60
BSE030F007	NFR8.0	2.0	4.0	0.05	25	8.0	60

## Features

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙				○



UNIT=MM

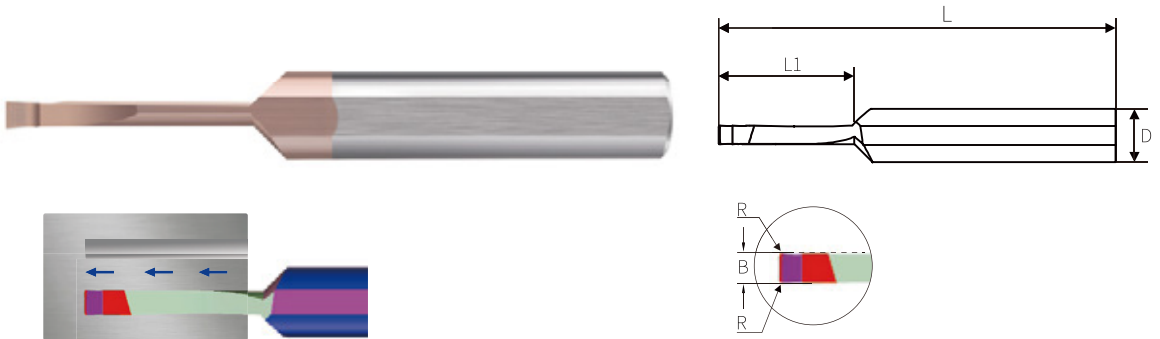
Item Code	Model	B	Q	R	L1	D	L
BSE030F021	NFR4.0	0.5	1.0	0.05	15	4.0	50
BSE030F022	NFR4.0	0.75	1.2	0.05	15	4.0	50
BSE030F023	NFR4.0	1.0	1.5	0.05	15	4.0	50
BSE030F028	NFR4.0	1.5	2.0	0.05	15	4.0	50
BSE030F024	NFR5.0	1.0	2.0	0.05	22	5.0	50
BSE030F025	NFR5.0	1.5	2.5	0.05	22	5.0	50
BSE030F026	NFR5.0	2.0	3.0	0.05	22	5.0	50
BSE030F008	NFR6.0	0.5	1.0	0.05	20	6.0	50
BSE030F009	NFR6.0	1.0	2.0	0.05	20	6.0	50
BSE030F010	NFR6.0	1.5	3.0	0.05	20	6.0	50
BSE030F011	NFR6.0	2.0	4.0	0.05	20	6.0	50
BSE030F012	NFR8.0	1.0	2.0	0.05	25	8.0	60
BSE030F013	NFR8.0	1.5	3.0	0.05	25	8.0	60
BSE030F014	NFR8.0	2.0	4.0	0.05	25	8.0	60

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

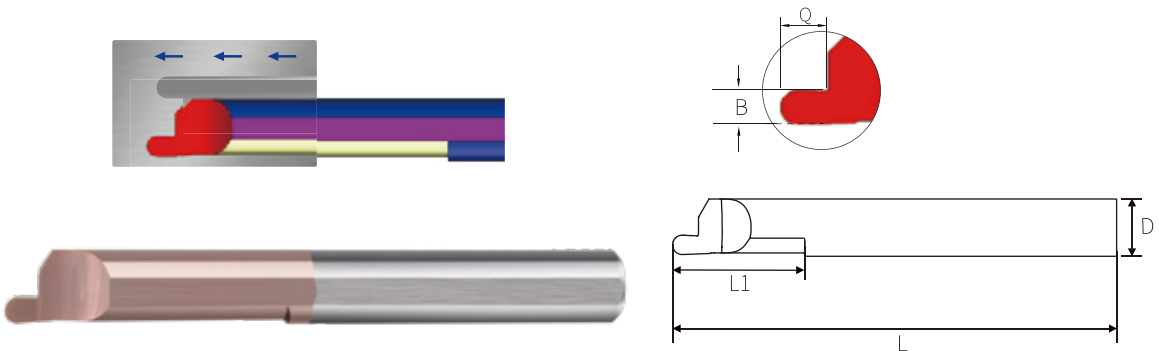
Item Code	Model	B	L1	D	L
BSE033V001	NVR6.0	2.0	10	6.0	50
BSE033V002	NVR6.0	2.5	10	6.0	50
BSE033V003	NVR6.0	2.0	15	6.0	50
BSE033V004	NVR6.0	2.5	15	6.0	50
BSE033V005	NVR8.0	2.5	22	8.0	60
BSE033V006	NVR8.0	3.0	22	8.0	60
BSE033V007	NVR8.0	4.0	22	8.0	60

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

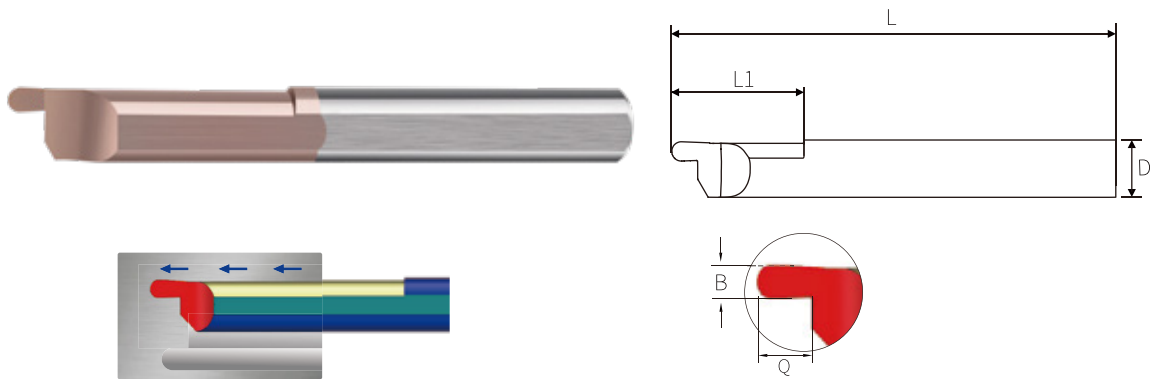
Item Code	Model	R	B	Q	L1	D	L
BSE065Z001	NZR4.0	0.5	1.0	1.2	15	4.0	50
BSE065Z002	NZR4.0	0.75	1.5	1.5	15	4.0	50
BSE065Z003	NZR5.0	0.5	1.0	1.2	22	5.0	50
BSE065Z004	NZR5.0	0.75	1.5	1.5	22	5.0	50
BSE065Z005	NZR5.0	1.0	2.0	2.5	22	5.0	50
BSE065Z006	NZR6.0	0.5	1.0	1.2	22	6.0	50
BSE065Z007	NZR6.0	0.75	1.5	1.5	22	6.0	50
BSE065Z008	NZR6.0	1.0	2.0	2.5	22	6.0	50

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

Item Code	Model	R	B	Q	L1	D	L
BSE065Z009	NZL4.0	0.5	1.0	1.2	15	4.0	50
BSE065Z010	NZL4.0	0.75	1.5	1.5	15	4.0	50
BSE065Z011	NZL5.0	0.5	1.0	1.2	22	5.0	50
BSE065Z012	NZL5.0	0.75	1.5	1.5	22	5.0	50
BSE065Z013	NZL5.0	1.0	2.0	2.5	22	5.0	50
BSE065Z014	NZL6.0	0.5	1.0	1.2	22	6.0	50
BSE065Z015	NZL6.0	0.75	1.5	1.5	22	6.0	50
BSE065Z016	NZL6.0	1.0	2.0	2.5	22	6.0	50

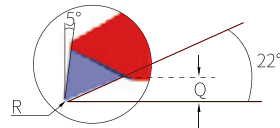
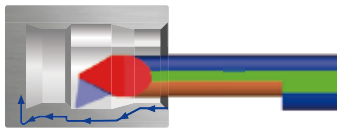
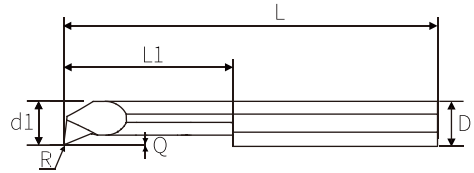
**NPR Tungsten Steel Mini Copy Boring Tool-1**

**Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

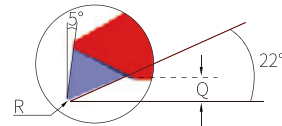
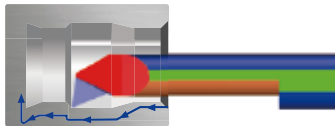
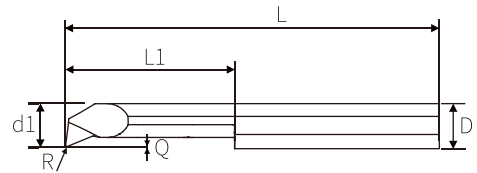
Item Code	Model	d1	R	Q	L1	D	L
BSE031P001	NPR0.9	0.8	0.05	0.12	3.0	4.0	50
BSE031P002	NPR1.1	1.0	0.05	0.15	3.0	4.0	50
BSE031P003	NPR1.3	1.2	0.05	0.15	4.5	4.0	50
BSE031P004	NPR1.5	1.4	0.05	0.2	5.0	4.0	50
BSE031P005	NPR1.7	1.6	0.05	0.3	6.0	4.0	50
BSE031P006	NPR1.9	1.8	0.05	0.3	7.0	4.0	50
BSE031P007	NPR2.0	1.9	0.05	0.4	8.0	4.0	50
BSE031P008	NPR2.0	1.9	0.1	0.4	8.0	4.0	50
BSE031P009	NPR2.5	2.4	0.05	0.5	10	4.0	50
BSE031P010	NPR2.5	2.4	0.1	0.5	10	4.0	50
BSE031P011	NPR3.0	2.9	0.05	0.6	8.0	4.0	50
BSE031P012	NPR3.0	2.9	0.1	0.6	8.0	4.0	50
BSE031P013	NPR3.0	2.9	0.15	0.6	8.0	4.0	50
BSE031P014	NPR3.0	2.9	0.05	0.6	12	4.0	50
BSE031P015	NPR3.0	2.9	0.1	0.6	12	4.0	50
BSE031P016	NPR3.0	2.9	0.15	0.6	12	4.0	50
BSE031P017	NPR4.0	3.9	0.05	0.8	10	4.0	50
BSE031P018	NPR4.0	3.9	0.1	0.8	10	4.0	50
BSE031P019	NPR4.0	3.9	0.15	0.8	10	4.0	50
BSE031P020	NPR4.0	3.9	0.05	0.8	15	4.0	50
BSE031P021	NPR4.0	3.9	0.1	0.8	15	4.0	50
BSE031P022	NPR4.0	3.9	0.15	0.8	15	4.0	50
BSE031P023	NPR5.0	4.9	0.05	1.0	15	5.0	50
BSE031P024	NPR5.0	4.9	0.1	1.0	15	5.0	50
BSE031P025	NPR5.0	4.9	0.2	1.0	15	5.0	50
BSE031P026	NPR5.0	4.9	0.05	1.0	22	5.0	50
BSE031P027	NPR5.0	4.9	0.1	1.0	22	5.0	50
BSE031P028	NPR5.0	4.9	0.2	1.0	22	5.0	50
BSE031P029	NPR6.0	5.9	0.05	1.2	15	6.0	50
BSE031P030	NPR6.0	5.9	0.1	1.2	15	6.0	50
BSE031P031	NPR6.0	5.9	0.2	1.2	15	6.0	50
BSE031P032	NPR6.0	5.9	0.05	1.2	22	6.0	50

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙				○



UNIT=MM

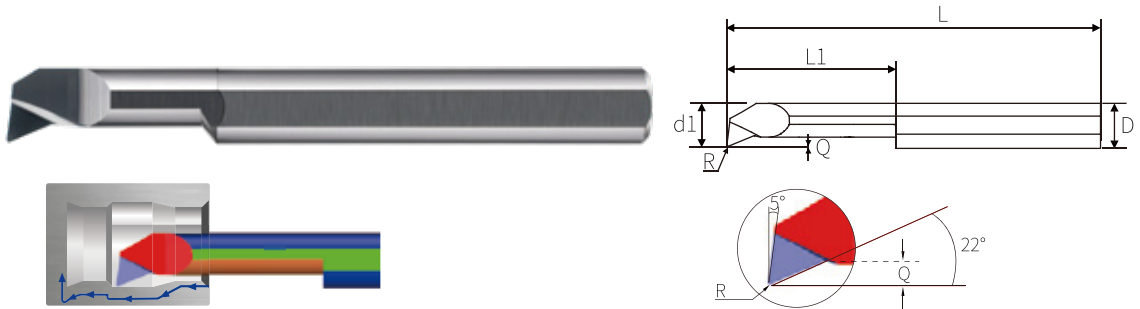
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BSE031P033	NPR6.0	5.9	0.1	1.2	22	6.0	50
BSE031P034	NPR6.0	5.9	0.2	1.2	22	6.0	50
BSE031P035	NPR7.0	6.9	0.1	1.5	22	8.0	60
BSE031P036	NPR7.0	6.9	0.2	1.5	22	8.0	60
BSE031P037	NPR7.0	6.9	0.1	1.5	30	8.0	60
BSE031P038	NPR7.0	6.9	0.2	1.5	30	8.0	60
BSE031P039	NPR8.0	7.9	0.1	1.8	22	8.0	60
BSE031P040	NPR8.0	7.9	0.2	1.8	22	8.0	60
BSE031P041	NPR8.0	7.9	0.1	1.8	30	8.0	60
BSE031P042	NPR8.0	7.9	0.2	1.8	30	8.0	60

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	



UNIT=MM

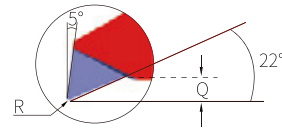
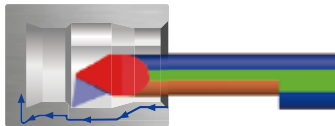
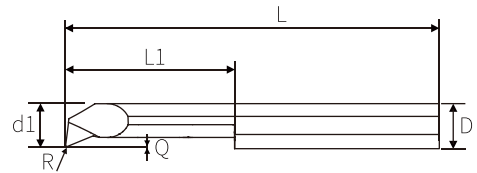
Item Code	Model	d1	R	Q	L1	D	L
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BSE074P002	NPR1.1	1.0	0.05	0.15	3.0	4.0	50
BSE074P003	NPR1.3	1.2	0.05	0.15	4.5	4.0	50
BSE074P004	NPR1.5	1.4	0.05	0.2	5.0	4.0	50
BSE074P005	NPR1.7	1.6	0.05	0.3	6.0	4.0	50
BSE074P006	NPR1.9	1.8	0.05	0.3	7.0	4.0	50
BSE074P007	NPR2.0	1.9	0.05	0.4	8.0	4.0	50
BSE074P008	NPR2.0	1.9	0.1	0.4	8.0	4.0	50
BSE074P009	NPR2.5	2.4	0.05	0.5	10	4.0	50
BSE074P010	NPR2.5	2.4	0.1	0.5	10	4.0	50
BSE074P011	NPR3.0	2.9	0.05	0.6	8.0	4.0	50
BSE074P012	NPR3.0	2.9	0.1	0.6	8.0	4.0	50
BSE074P013	NPR3.0	2.9	0.15	0.6	8.0	4.0	50
BSE074P014	NPR3.0	2.9	0.05	0.6	12	4.0	50
BSE074P015	NPR3.0	2.9	0.1	0.6	12	4.0	50
BSE074P016	NPR3.0	2.9	0.15	0.6	12	4.0	50
BSE074P017	NPR4.0	3.9	0.05	0.8	10	4.0	50
BSE074P018	NPR4.0	3.9	0.1	0.8	10	4.0	50
BSE074P019	NPR4.0	3.9	0.15	0.8	10	4.0	50
BSE074P020	NPR4.0	3.9	0.05	0.8	15	4.0	50
BSE074P021	NPR4.0	3.9	0.1	0.8	15	4.0	50
BSE074P022	NPR4.0	3.9	0.15	0.8	15	4.0	50
BSE074P023	NPR5.0	4.9	0.05	1.0	15	5.0	50
BSE074P024	NPR5.0	4.9	0.1	1.0	15	5.0	50
BSE074P025	NPR5.0	4.9	0.2	1.0	15	5.0	50
BSE074P026	NPR5.0	4.9	0.05	1.0	22	5.0	50
BSE074P027	NPR5.0	4.9	0.1	1.0	22	5.0	50
BSE074P028	NPR5.0	4.9	0.2	1.0	22	5.0	50
BSE074P029	NPR6.0	5.9	0.05	1.2	15	6.0	50
BSE074P030	NPR6.0	5.9	0.1	1.2	15	6.0	50
BSE074P031	NPR6.0	5.9	0.2	1.2	15	6.0	50
BSE074P032	NPR6.0	5.9	0.05	1.2	22	6.0	50

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○	○	○



UNIT=MM

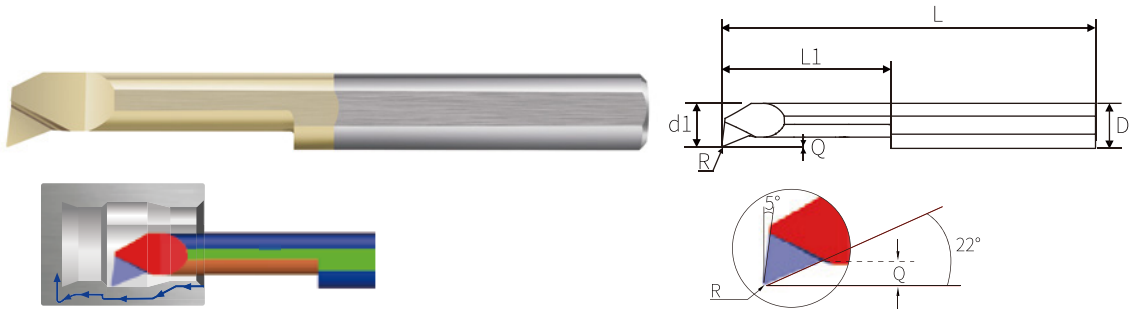
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BSE074P033	NPR6.0	5.9	0.1	1.2	22	6.0	50
BSE074P034	NPR6.0	5.9	0.2	1.2	22	6.0	50
BSE074P035	NPR7.0	6.9	0.1	1.5	22	8.0	60
BSE074P036	NPR7.0	6.9	0.2	1.5	22	8.0	60
BSE074P037	NPR7.0	6.9	0.1	1.5	30	8.0	60
BSE074P038	NPR7.0	6.9	0.2	1.5	30	8.0	60
BSE074P039	NPR8.0	7.9	0.1	1.8	22	8.0	60
BSE074P040	NPR8.0	7.9	0.2	1.8	22	8.0	60
BSE074P041	NPR8.0	7.9	0.1	1.8	30	8.0	60
BSE074P042	NPR8.0	7.9	0.2	1.8	30	8.0	60

**| Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
								⊙	⊙	⊙	○	○	⊙	⊙	



UNIT=MM

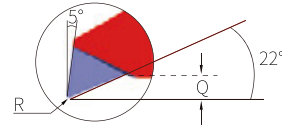
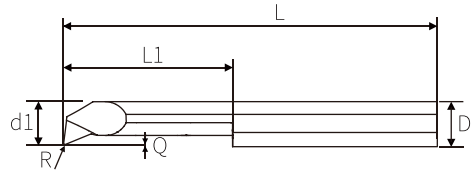
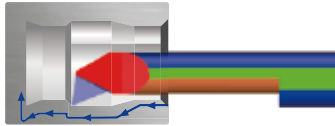
Item Code	Model	d1	R	Q	L1	D	L
BSE075P001	NPR0.9	0.8	0.05	0.12	3.0	4.0	50
BSE075P002	NPR1.1	1.0	0.05	0.15	3.0	4.0	50
BSE075P003	NPR1.3	1.2	0.05	0.15	4.5	4.0	50
BSE075P004	NPR1.5	1.4	0.05	0.2	5.0	4.0	50
BSE075P005	NPR1.7	1.6	0.05	0.3	6.0	4.0	50
BSE075P006	NPR1.9	1.8	0.05	0.3	7.0	4.0	50
BSE075P007	NPR2.0	1.9	0.05	0.4	8.0	4.0	50
BSE075P008	NPR2.0	1.9	0.1	0.4	8.0	4.0	50
BSE075P009	NPR2.5	2.4	0.05	0.5	10	4.0	50
BSE075P010	NPR2.5	2.4	0.1	0.5	10	4.0	50
BSE075P011	NPR3.0	2.9	0.05	0.6	8.0	4.0	50
BSE075P012	NPR3.0	2.9	0.1	0.6	8.0	4.0	50
BSE075P013	NPR3.0	2.9	0.15	0.6	8.0	4.0	50
BSE075P014	NPR3.0	2.9	0.05	0.6	12	4.0	50
BSE075P015	NPR3.0	2.9	0.1	0.6	12	4.0	50
BSE075P016	NPR3.0	2.9	0.15	0.6	12	4.0	50
BSE075P017	NPR4.0	3.9	0.05	0.8	10	4.0	50
BSE075P018	NPR4.0	3.9	0.1	0.8	10	4.0	50
BSE075P019	NPR4.0	3.9	0.15	0.8	10	4.0	50
BSE075P020	NPR4.0	3.9	0.05	0.8	15	4.0	50
BSE075P021	NPR4.0	3.9	0.1	0.8	15	4.0	50
BSE075P022	NPR4.0	3.9	0.15	0.8	15	4.0	50
BSE075P023	NPR5.0	4.9	0.05	1.0	15	5.0	50
BSE075P024	NPR5.0	4.9	0.1	1.0	15	5.0	50
BSE075P025	NPR5.0	4.9	0.2	1.0	15	5.0	50
BSE075P026	NPR5.0	4.9	0.05	1.0	22	5.0	50
BSE075P027	NPR5.0	4.9	0.1	1.0	22	5.0	50
BSE075P028	NPR5.0	4.9	0.2	1.0	22	5.0	50
BSE075P029	NPR6.0	5.9	0.05	1.2	15	6.0	50
BSE075P030	NPR6.0	5.9	0.1	1.2	15	6.0	50
BSE075P031	NPR6.0	5.9	0.2	1.2	15	6.0	50
BSE075P032	NPR6.0	5.9	0.05	1.2	22	6.0	50

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
									⊙	⊙	⊙	○	○	⊙	⊙



UNIT=MM

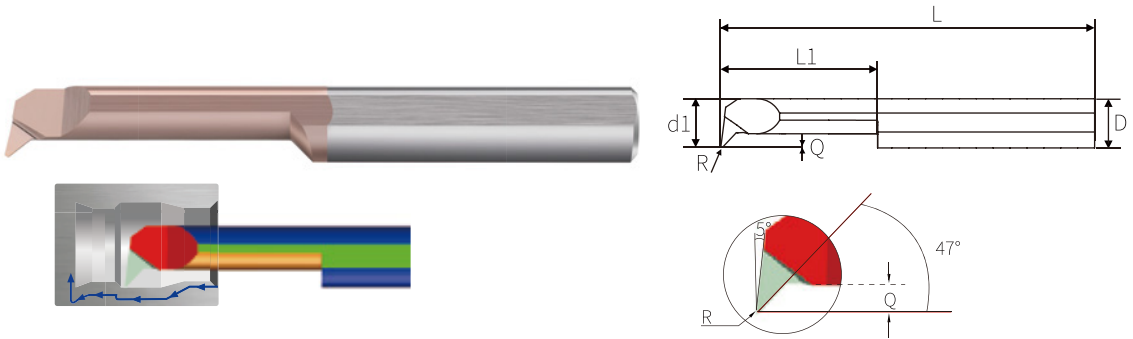
Item Code	Model	d1	R	Q	L1	D	L
BSE075P033	NPR6.0	5.9	0.1	1.2	22	6.0	50
BSE075P034	NPR6.0	5.9	0.2	1.2	22	6.0	50
BSE075P035	NPR7.0	6.9	0.1	1.5	22	8.0	60
BSE075P036	NPR7.0	6.9	0.2	1.5	22	8.0	60
BSE075P037	NPR7.0	6.9	0.1	1.5	30	8.0	60
BSE075P038	NPR7.0	6.9	0.2	1.5	30	8.0	60
BSE075P039	NPR8.0	7.9	0.1	1.8	22	8.0	60
BSE075P040	NPR8.0	7.9	0.2	1.8	22	8.0	60
BSE075P041	NPR8.0	7.9	0.1	1.8	30	8.0	60
BSE075P042	NPR8.0	7.9	0.2	1.8	30	8.0	60

## Features

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

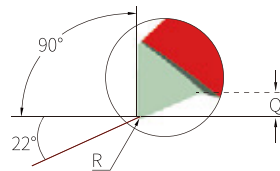
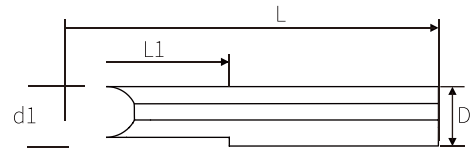
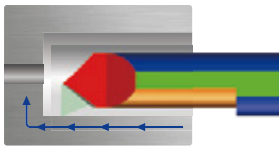
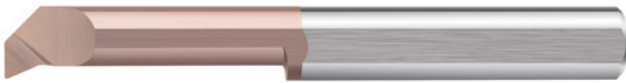
Item Code	Model	d1	R	Q	L1	D	L
BSE032Q001	NQR3.0	2.9	0.05	0.7	9	4.0	50
BSE032Q002	NQR3.0	2.9	0.1	0.7	9	4.0	50
BSE032Q003	NQR3.0	2.9	0.15	0.7	9	4.0	50
BSE032Q004	NQR4.0	3.9	0.05	1.0	10	4.0	50
BSE032Q005	NQR4.0	3.9	0.1	1.0	10	4.0	50
BSE032Q006	NQR4.0	3.9	0.2	1.0	10	4.0	50
BSE032Q007	NQR4.0	3.9	0.2	1.0	15	4.0	50
BSE032Q008	NQR5.0	4.9	0.05	1.2	15	5.0	50
BSE032Q009	NQR5.0	4.9	0.1	1.2	15	5.0	50
BSE032Q010	NQR5.0	4.9	0.2	1.2	15	5.0	50
BSE032Q011	NQR5.0	4.9	0.2	1.2	20	5.0	50
BSE032Q012	NQR6.0	5.9	0.05	1.6	15	6.0	50
BSE032Q013	NQR6.0	5.9	0.1	1.6	15	6.0	50
BSE032Q014	NQR6.0	5.9	0.2	1.6	15	6.0	50
BSE032Q015	NQR6.0	5.9	0.2	1.6	22	6.0	50
BSE032Q016	NQR8.0	7.9	0.1	2.1	25	8.0	60
BSE032Q017	NQR8.0	7.9	0.2	2.1	25	8.0	60

**| Features**

- ▶ Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

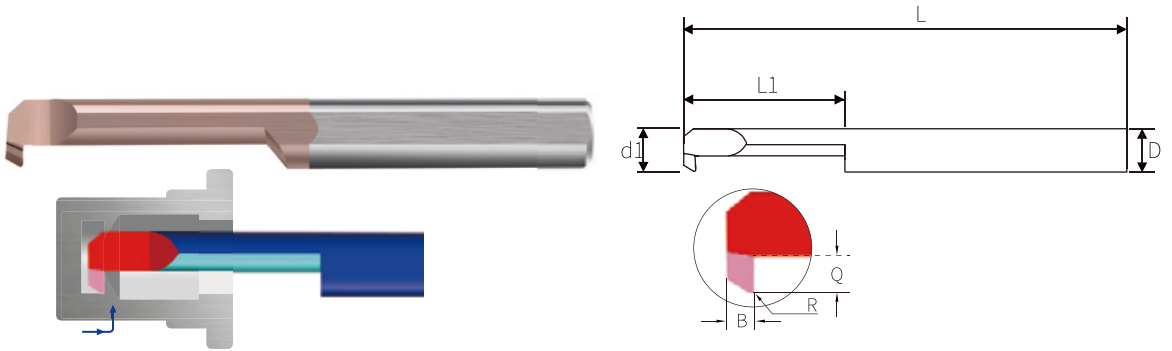
Item Code	Model	d1	R	Q	L1	D	L
BSE062U001	NUR3.0	2.8	0.1	0.5	10	4.0	50
BSE062U002	NUR3.0	2.8	0.1	0.5	15	4.0	50
BSE062U003	NUR4.0	3.9	0.1	0.6	10	4.0	50
BSE062U004	NUR4.0	3.9	0.1	0.6	15	4.0	50
BSE062U005	NUR5.0	4.9	0.15	0.8	15	5.0	50
BSE062U006	NUR5.0	4.9	0.15	0.8	22	5.0	50
BSE062U007	NUR6.0	5.9	0.2	1.0	15	6.0	50
BSE062U008	NUR6.0	5.9	0.2	1.0	22	6.0	50
BSE062U009	NUR8.0	7.9	0.2	1.2	22	8.0	60

**| Features**

- Full grinding and one-time forming, precise arc, polishing and passivation, accurate positioning surface, bright finish, and high wear resistance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				○	⊙		⊙			○	



UNIT=MM

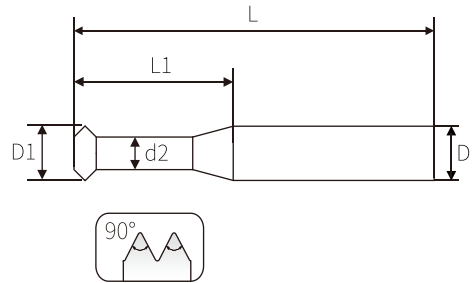
Item Code	Model	d1	R	B	Q	L1	D	L
BSE063X001	NXR3.0	2.8	0.1	1.3	0.6	10	4.0	50
BSE063X002	NXR4.0	3.9	0.1	1.3	0.8	10	4.0	50
BSE063X003	NXR4.0	3.9	0.1	1.3	0.8	15	4.0	50
BSE063X004	NXR5.0	4.9	0.2	1.5	1.3	15	5.0	50
BSE063X005	NXR5.0	4.9	0.2	1.5	1.3	22	5.0	50
BSE063X006	NXR6.0	5.9	0.2	1.5	1.8	15	6.0	50
BSE063X007	NXR6.0	5.9	0.2	1.5	1.8	22	6.0	50

## Features

- Suitable for machining workpieces that require reverse chamfering, chamfering can be carried out without flipping the surface, This not only saves time but also ensures the concentricity of the workpiece

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainlee Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	○	○	○	○		⊙



UNIT=MM

Item Code	d1	Chamfer Angle	d2	L1	D	L	F
BSE020C001	1.96	90°	1.0	8	4.0	50	3
BSE020C002	2.4	90°	1.4	10	4.0	50	3
BSE020C003	3.0	90°	1.8	15	4.0	50	3
BSE020C004	4.0	90°	2.4	16	4.0	50	3
BSE020C005	4.5	90°	2.3	20	6.0	50	4
BSE020C006	5.0	90°	2.8	20	6.0	50	4
BSE020C007	6.0	90°	3.0	24	6.0	50	4
BSE020C008	8.0	90°	4.8	28	8.0	60	4
BSE020C009	10	90°	6.4	35	10	75	4
BSE020C010	12	90°	7.0	50	12	100	4

## Features

- ▶ Collaborate with American and British taper pipe threads to process taper thread bottom holes, resulting in higher thread accuracy

⊙ = Best   ○ = Good

P			H				K	M	N					S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
⊙	⊙	○	○				⊙	⊙	⊙	⊙			○		



UNIT=MM

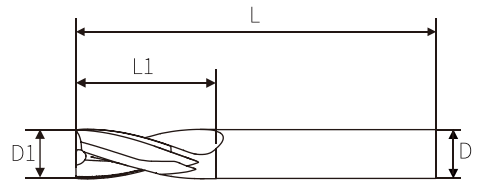
Item Code	Model	d1	L1	D	L	F
BSE022F001	NPT 1/16" -1/8" NPTF 1/16" -1/8" BSPT 1/16" -1/8"	5.2	12	6	50	4
BSE022F002	NPT 1/4" -1" NPTF 1/4" -1" BSPT 1/4" -1"	8.5	24	10	75	4
BSE022F003	NPT 1/4" -3" NPTF 1/4" -3" BSPT 1/4" -3"	10	32	12	75	4

## Features

- ▶ The 180° flat bottom design of the drill tip is suitable for drilling countersunk holes, inclined surfaces, and curved surfaces, which is not prone to deviation and distortion, improves processing stability, low helix and low rake angle design, high smoothness, sharp cutting without burrs, and tolerant of chip removal grooves

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	○	○					⊙		○	○	○	○		



UNIT=MM

0.5-8.0mm Each 0.05mm Specification    8.1-13mm Each 0.1mm Specification    13.5-20mm Each 0.5mm Specification

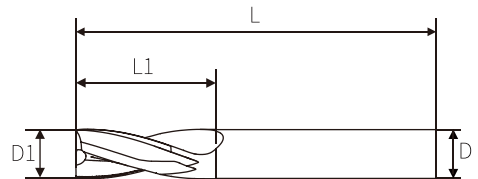
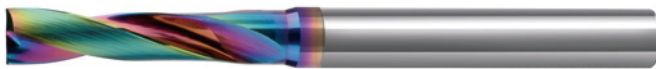
Item Code	d1	L1	D	L
BSE037D001	0.5-1.0	4.0	3.0	50
BSE037D002	1.05-1.5	6.0	3.0	50
BSE037D003	1.55-1.95	10	3.0	50
BSE037D004	2-2.95	14	4.0	50
BSE037D005	3-4	17	4.0	50
BSE037D006	4.05-5	23	6.0	65
BSE037D007	5.05-6	27	6.0	65
BSE037D008	6.05-7	32	8.0	75
BSE037D009	7.05-8	36	8.0	75
BSE037D010	8.1-9	41	10	85
BSE037D011	9.1-10	45	10	85
BSE037D012	10.1-11	50	12	95
BSE037D013	11.1-12	54	12	95
BSE037D014	12.1-12.5	57	14	100
BSE037D015	12.6-13	59	14	100
BSE037D016	13.5	61	14	105
BSE037D017	14	63	14	105
BSE037D018	14.5	65	16	110
BSE037D019	15	68	16	110
BSE037D020	15.5	70	16	120
BSE037D021	16	72	16	120
BSE037D022	16.5	75	16	125
BSE037D023	17	77	16	125
BSE037D024	17.5	79	16	130
BSE037D025	18	81	16	130
BSE037D026	18.5	84	16	135
BSE037D027	19	86	16	135
BSE037D028	19.5	88	16	145
BSE037D029	20	90	20	145

## Features

- ▶ The 180° flat bottom design of the drill tip is suitable for drilling countersunk holes, inclined surfaces, and curved surfaces, which is not prone to deviation and distortion, improves processing stability, low helix and low rake angle design, high smoothness, sharp cutting without burrs, and tolerant of chip removal grooves

⊙ = Best ○ = Good

P			H				K	M	N				S		
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
										⊙	⊙	⊙	⊙		



UNIT=MM

0.5-8.0mm Each 0.05mm Specification    8.1-13mm Each 0.1mm Specification    13.5-20mm Each 0.5mm Specification

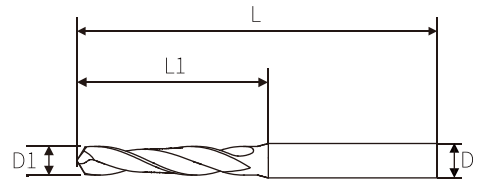
Item Code	d1	L1	D	L
BSE077D001	0.5-1.0	4.0	3.0	50
BSE077D002	1.05-1.5	6.0	3.0	50
BSE077D003	1.55-1.95	10	3.0	50
BSE077D004	2-2.95	14	4.0	50
BSE077D005	3-4	17	4.0	50
BSE077D006	4.05-5	23	6.0	65
BSE077D007	5.05-6	27	6.0	65
BSE077D008	6.05-7	32	8.0	75
BSE077D009	7.05-8	36	8.0	75
BSE077D010	8.1-9	41	10	85
BSE077D011	9.1-10	45	10	85
BSE077D012	10.1-11	50	12	95
BSE077D013	11.1-12	54	12	95
BSE077D014	12.1-12.5	57	14	100
BSE077D015	12.6-13	59	14	100
BSE077D016	13.5	61	14	105
BSE077D017	14	63	14	105
BSE077D018	14.5	65	16	110
BSE077D019	15	68	16	110
BSE077D020	15.5	70	16	120
BSE077D021	16	72	16	120
BSE077D022	16.5	75	16	125
BSE077D023	17	77	16	125
BSE077D024	17.5	79	16	130
BSE077D025	18	81	16	130
BSE077D026	18.5	84	16	135
BSE077D027	19	86	16	135
BSE077D028	19.5	88	16	145
BSE077D029	20	90	20	145

**| Features**

- ▶ Tungsten steel drill bits are coated with Swiss HE coating, and each drill bit has undergone edge C-angle passivation treatment, which fully reduces drilling resistance while resisting collapse. The unique transverse blade design makes cutting smoother, thus achieving excellent drilling performance

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	⊙	⊙		⊙	○					○	○



UNIT=MM

1-6mm Each 0.05mm Specification

6.1-12mm Each 0.1mm Specification

12.5-16 Each 0.5mm Specification

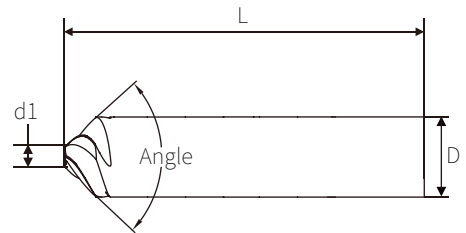
Item Code	d1	L1	D	L
BSE066D001	1-1.45	8.0	3.0	50
BSE066D002	1.5-1.95	10	3.0	50
BSE066D003	2-2.95	14	4.0	50
BSE066D004	3-3.75	20	4.0	62
BSE066D005	3.8-4	24	4.0	66
BSE066D006	4.05-4.7	24	6.0	66
BSE066D007	4.75-6	28	6.0	66
BSE066D008	6.1-7	34	8.0	79
BSE066D009	7.1-8	41	8.0	79
BSE066D010	8.1-10	47	10	89
BSE066D011	10.1-12	55	12	102
BSE066D012	12.5-14	60	14	107
BSE066D013	14.5-16	65	16	115

## Features

- Using a new spiral geometry design, it reduces milling resistance, increases chip removal, and improves processing efficiency. The cutting edge design is 3-8 times longer than straight flute blades, resulting in superior surface finish. It can also process high-hardness materials, regardless of the hardness of the material being processed.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	⊙	○			⊙	⊙	⊙	⊙	⊙	⊙	○	⊙



UNIT=MM

Item Code	d1	Angle	D	L	F
BSE038C001	0.5	90°	4.0	50	2
BSE038C002	2.0	90°	4.0	50	4
BSE038C003	0.5	90°	6.0	50	2
BSE038C004	2.0	90°	6.0	50	4
BSE038C027	1.0	90°	8.0	60	2
BSE038C005	2.0	90°	8.0	60	4
BSE038C028	1.0	90°	10	75	2
BSE038C006	2.5	90°	10	75	4
BSE038C029	1.0	90°	12	75	2
BSE038C007	3.0	90°	12	75	4
BSE038C008	3.0	90°	16	75	4
BSE038C009	0.5	60°	4.0	50	2
BSE038C010	2.0	60°	4.0	50	4
BSE038C011	2.0	60°	6.0	50	4
BSE038C012	2.0	60°	8.0	60	4
BSE038C013	2.5	60°	10	75	4
BSE038C014	3.0	60°	12	75	4
BSE038C016	2.0	120°	4.0	50	4
BSE038C017	2.0	120°	6.0	50	4
BSE038C018	2.0	120°	8.0	60	4
BSE038C019	2.0	120°	10	75	4
BSE038C020	3.0	120°	12	75	4
BSE038C021	0.5	30°	4.0	50	2
BSE038C022	2.0	30°	4.0	50	4
BSE038C023	2.0	30°	6.0	50	4
BSE038C024	2.0	30°	8.0	60	4
BSE038C025	2.5	30°	10	75	4
BSE038C026	3.0	30°	12	75	4

## | Features

- ▶ Super smooth grinding and mirror polishing. The tool accuracy reaches 0.003mm, which can replace reamer and boring tool for finishing, and the finish can reach Ra0.4.

⊙ = Best ○ = Good

P			H				K	M	N				S		
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
										⊙	⊙	⊙	⊙		



One specification every 0.01mm

UNIT=MM

Item Code	Model	L1	D	L
BSE080D001	0.3-0.34	2.0	3.0	4.0
BSE080D002	0.35-0.39	2.5	3.0	4.0
BSE080D003	0.4-0.49	3.0	3.0	4.0
BSE080D004	0.5-0.69	3.5	3.0	4.0
BSE080D005	0.7-0.89	4.0	3.0	4.0
BSE080D006	0.9-1.19	4.5	3.0	4.0
BSE080D007	1.2-1.49	5.0	3.0	4.0
BSE080D008	1.5-1.99	6.0	3.0	4.0
BSE080D009	2.0-2.49	8.0	3.0	4.0
BSE080D010	2.5-3.0	12	3.0	4.0

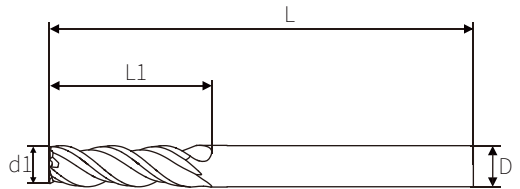
**Carbide U-Flute Aluminum End Mill – Rainbow Coating**

**Features**

- ▶ 45° helix angle U-flute design with DLC rainbow coating combines the sharpness of traditional aluminum cutters with superior machining efficiency. Perfectly meets precision integrated machining requirements for non-ferrous metals (Al/Cu/Mg) in conventional industries.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
										⊙	⊙	⊙	⊙	



UNIT=MM

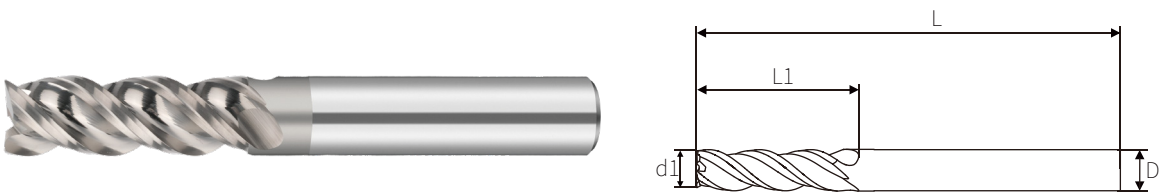
Item Code	Model	d1	C	D	L	F
BSE016U001	D1.0	1.0	3	4.0	50	3
BSE016U002	D1.5	1.5	4	4.0	50	3
BSE016U003	D2.0	2.0	5	4.0	50	3
BSE016U004	D2.5	2.5	7	4.0	50	3
BSE016U005	D3.0	3.0	8	4.0	50	3
BSE016U006	D4.0	4.0	10	4.0	50	3
BSE016U007	D5.0	5.0	13	6.0	50	3
BSE016U008	D6.0	6.0	15	6.0	50	3
BSE016U009	D8.0	8.0	20	8.0	60	3
BSE016U010	D10	10	25	10	75	3
BSE016U011	D12	12	30	12	75	3
BSE016U012	D6	6.0	20	6.0	75	3
BSE016U013	D8	8.0	25	8.0	75	3
BSE016U014	D6	6.0	25	6.0	100	3
BSE016U015	D8	8.0	30	8.0	100	3
BSE016U016	D10	10	40	10	100	3
BSE016U017	D12	12	45	12	100	3
BSE016U018	D16	16	45	16	100	3
BSE016U019	D20	20	45	20	100	3

## Features

- ▶ DLC (Diamond-Like Carbon) coating targets: aluminum-plastic composites, 6000 series aluminum alloys, and soft non-ferrous metals.

⊙ = Best ○ = Good

P			H				K	M	N				S		
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy	
			~48HRC	~55HRC	~60HRC	~65HRC									
										⊙	⊙	⊙	⊙		



UNIT=MM

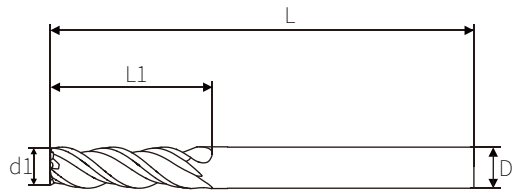
Item Code	d1	C	D	L	F
U-D1	1	3	4	50	3
U-D2.5	2.5	7.5	4	50	3
U-D1.5	1.5	4.5	4	50	3
U-D2	2	6	4	50	3
U-D3	3	9	3	50	3
U-D3	3	9	4	50	3
U-D3.5	3.5	10.5	4	50	3
U-D4	4	12	4	50	3
U-D5	5	15	5	50	3
U-D5	5	15	6	50	3
U-D6	6	18	6	50	3
U-D8	8	24	8	60	3
U-D10	10	30	10	75	3
U-D12	12	35	12	75	3
U-D4	4	16	4	75	3
U-D5	5	18	5	75	3
U-D6	6	25	6	75	3
U-D8	8	30	8	75	3
U-D5	5	30	5	100	3
U-D6	6	30	6	100	3
U-D8	8	35	8	100	3
U-D10	10	40	10	100	3
U-D12	12	45	12	100	3
U-D14	14	45	14	100	3
U-D16	16	45	16	100	3
U-D20	20	45	20	100	3
U-D10	10	55	10	150	3
U-D14	14	80	14	150	3
U-D16	16	65	16	150	3

## Features

- ▶ Unequal Helix Design optimizes cutting stability by physically suppressing vibrations.  
ALCrN Coating enhances high-temperature wear resistance through chemical protection, making it ideal for efficient, high-quality hardened steel machining. Suitable for stainless steel, castings, superalloys, mold steels, and more.

⊙ = Best   ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	○	○				⊙	⊙	⊙	⊙			○	



UNIT=MM

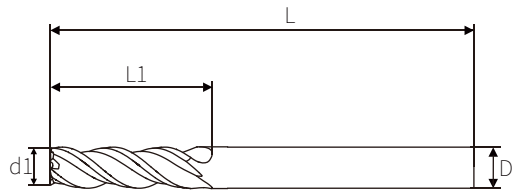
Item Code	Model	d1	C	D	L	F
BSE015F001	D1.0	1.0	3	4	50	4
BSE015F002	D1.5	1.5	4	4	50	4
BSE015F003	D2.0	2.0	6	4	50	4
BSE015F004	D2.5	2.5	7	4	50	4
BSE015F005	D3.0	3.0	8	4	50	4
BSE015F007	D4.0	4.0	11	4	50	4
BSE015F008	D5.0	5.0	13	6	50	4
BSE015F009	D6.0	6.0	15	6	50	4
BSE015F011	D8.0	8.0	20	8	60	4
BSE015F012	D10	10	28	10	75	4
BSE015F013	D12	12	30	12	75	4

## Features

- ▶ Contains Zr element coating, for titanium alloy and austenitic stainless steel materials.  
Unequal spiral unequal division design, blade tip C angle design, especially suitable for roughing.

⊙ = Best ○ = Good

P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
○	⊙	○	○				○	⊙					⊙	⊙



UNIT=MM

Item Code	Model	d1	L1	D	L	F	C
BSE067001	D4.0	4.0	11	4.0	50	4	0.15
BSE067002	D6.0	6.0	15	6.0	50	4	0.15
BSE067003	D8.0	8.0	20	8.0	60	4	0.15
BSE067004	D10	10	25	10	75	4	0.2
BSE067005	D12	12	30	12	75	4	0.25

# Comparison Table For Drill Hole Diameter Of Thread Milling Cutter

Metric fine thread			
Model	Diameter	Grade 2 teeth drilling diameter	
		Maximum	Smallest
M1.0x0.2	0.8	0.821	0.783
M1.1x0.2	0.9	0.921	0.883
M1.2x0.2	1	1.021	0.983
M1.4x0.2	1.2	1.221	1.183
M1.6x0.2	1.4	1.421	1.383
M1.7x0.2	1.45	1.5	1.46
M1.8x0.2	1.6	1.621	1.583
M2.0x0.25	1.75	1.785	1.729
M2.2x0.25	1.95	1.985	1.929
M2.3x0.25	2.05	2.061	2.001
M2.5x0.35	2.2	2.221	2.121
M2.6x0.35	2.2	2.246	2.186
M3.0x0.35	2.7	2.721	2.621
M3.5x0.35	3.2	3.221	3.121
M4.0x0.5	3.5	3.599	3.459
M4.5x0.5	4	4.099	3.959
M5.0x0.5	4.5	4.599	4.459
M5.5x0.5	5	5.099	4.959
M6.0x0.75	5.3	5.378	5.188
M6.0x0.5	5.5	5.55	5.4
M7.0x0.75	6.3	6.378	6.188
M7.0x0.5	6.5	6.55	6.4
M8.0x1.0	7	7.153	6.917
M8.0x0.75	7.3	7.378	7.188
M8.0x0.5	7.5	7.52	7.4
M9.0x1.0	8	8.153	7.917
M9.0x0.75	8.3	8.378	8.188
M10x1.25	8.8	8.912	8.647
M10x1.0	9	9.153	8.917
M10x0.75	9.3	9.378	9.188
M10x0.5	9.5	9.52	9.4
M11x1.0	10	10.153	9.917
M11x0.75	10.3	10.378	10.188
M12x1.5	10.5	10.676	10.376
M12x1.25	10.8	10.912	10.647
M12x1.0	11	11.153	10.917
M12x0.5	11.5	11.52	11.4
M14x1.5	12.5	12.676	12.376
M14x1.0	13	13.153	12.917
M15x1.5	13.5	13.676	13.376
M15x1.0	14	14.153	13.917
M16x1.5	14.5	14.676	14.376
M16x1.0	15	15.153	14.917
M17x1.5	15.5	15.676	15.376
M17x1.0	16	16.153	15.917
M18x2.0	16	16.21	15.835
M18x1.5	16.5	16.676	16.376
M18x1.0	17	17.153	16.917
M20x2.0	18	18.21	17.835
M20x1.5	18.5	18.676	18.376
M20x1.0	19	19.153	18.917
M22x2.0	20	20.21	19.835
M22x1.5	20.5	20.676	20.376
M22x1.0	21	21.153	20.917
M24x2.0	22	22.21	21.835
M24x1.5	22.5	22.676	22.376
M24x1.0	23	23.153	22.917
M25x2.0	23	23.21	22.835
M25x1.5	23.5	23.676	23.376
M25x1.0	24	24.153	23.917
M26x1.5	24.5	24.676	24.376
M27x2.0	25	25.21	24.835
M27x1.5	25.5	25.676	25.376
M27x1.0	26	26.153	25.917
M28x2.0	26	26.21	25.835
M28x1.5	26.5	26.676	26.376
M28x1.0	27	27.153	26.917
M30x3.0	27	27.252	26.752
M30x2.0	28	28.21	27.835
M30x1.5	28.5	28.676	28.376
M30x1.0	29	29.153	28.917
M32x2.0	30	30.21	29.835
M32x1.5	30.5	30.676	30.376
M33x3.0	30	30.252	29.752
M33x2.0	31	31.21	30.835
M33x1.5	31.5	31.676	31.376
M35x1.5	33.5	33.676	33.376
M36x3.0	33	33.252	32.752
M36x2.0	34	34.21	33.835
M36x1.5	34.5	34.676	34.376

Metric coarse thread			
Model	Diameter	Grade 2 teeth drilling diameter	
		Maximum	Smallest
M1.0x0.25	0.75	0.785	0.729
M1.1x0.25	0.85	0.885	0.829
M1.2x0.25	0.95	0.985	0.929
M1.4x0.3	1.1	1.142	1.075
M1.6x0.35	1.25	1.321	1.221
M1.7x0.35	1.35	1.421	1.321
M1.8x0.35	1.45	1.521	1.421
M2.0x0.4	1.6	1.679	1.567
M2.2x0.45	1.75	1.838	1.713
M2.3x0.4	1.9	1.979	1.867
M2.5x0.45	2.1	2.138	2.013
M2.6x0.45	2.2	2.238	2.113
M3.0x0.5	2.5	2.599	2.459
M3.0x0.6	2.4	2.44	2.28
M3.5x0.6	2.9	3.01	2.85
M4.0x0.7	3.3	3.422	3.242
M4.0x0.75	3.25	3.326	3.106
M4.5x0.75	3.8	3.878	3.688
M5.0x0.8	4.2	4.334	4.134
M5.0x0.9	4.1	4.17	3.93
M6.0x1.0	5	5.153	4.917
M7.0x1.0	6	6.153	5.917
M8.0x1.25	6.8	6.912	6.647
M9.0x1.25	7.8	7.912	7.647
M10x1.5	8.5	8.676	8.376
M11x1.5	9.5	9.676	9.376
M12x1.75	10.3	10.441	10.106
M14x2.0	12	12.21	11.835
M16x2.0	14	14.21	13.835
M18x2.5	15.5	15.744	15.294
M20x2.5	17.5	17.744	17.294
M22x2.5	19.5	19.744	19.294
M24x3.0	21	21.252	20.752
M27x3.0	24	24.252	23.752
M30x3.5	26.5	26.771	26.211

American coarse thread			
Model(UNC)	Diameter	Grade 2 teeth drilling diameter	
		Maximum	Smallest
NO 1-64(1.854)	1.55	1.582	1.425
NO 2-56(2.184)	1.80	1.871	1.695
NO 3-48(2.515)	2.10	2.146	1.941
NO 4-40(2.845)	2.30	2.385	2.157
NO 5-40(3.175)	2.60	2.697	2.487
NO 6-32(3.505)	2.80	2.895	2.642
NO 8-32(4.186)	3.40	3.53	3.302
NO 10-24(4.826)	3.90	3.962	3.683
NO 12-24(5.486)	4.50	4.597	4.344
1/4-20	5.10	5.257	4.979
5/16-18	6.60	6.731	6.401
3/8-16	8.00	8.153	7.798
7/16-14	9.40	9.55	9.144
1/2-13	10.80	11.023	10.592
9/16-12	12.20	12.446	11.989
5/8-11	13.60	13.868	13.386
3/4-10	16.50	16.840	16.307
7/8-9	19.50	19.761	19.177
1	22.20	22.606	21.971
1-1/8-7	25.00	25.349	24.638
1-1/4-7	28.20	28.524	27.813
1-3/8-6	30.80	31.115	30.353
1-1/2-6	34.00	34.290	33.528
1-3/4-5	39.50	39.827	38.964
2-4-1/2	45.20	45.593	44.679

American pipe thread			
Model	Drilling diameter		
	NPT		
	When using anner	When not using anner	NPSK
1/16 - 27	5.94	6.15	6.35
1/8 - 27	8.33	8.43	8.74
1/4 - 18	10.72	11.13	11.13
3/8 - 18	14.27	14.27	14.68
1/2 - 14	17.48	17.86	18.26
3/4 - 14	22.63	23.01	23.42
1 - 11.5	28.58	28.98	29.36
1-1/4-11.5	37.31	37.69	38.10
1-1/2-11.5	43.26	43.66	44.45
2-11.5	55.17	55.58	56.36

American fine thread			
Model	Diameter	Grade 2 teeth drilling diameter	
		Maximum	Smallest
NO 0-80(1.524)	1.25	1.305	1.182
NO 1-72(1.854)	1.55	1.612	1.474
NO 2-64(2.184)	1.85	1.912	1.756
NO 3-56(2.515)	2.10	2.197	2.025
NO 4-48(2.845)	2.40	2.458	2.271
NO 5-44(3.175)	2.70	2.740	2.551
NO 6-40(3.505)	2.90	3.022	2.820
NO 8-36(4.186)	3.50	3.606	3.404
NO 10-32(4.826)	4.10	4.165	3.963
NO 12-28(5.846)	4.60	4.724	4.496
1/4-28	5.50	5.588	5.360
5/16-24	6.90	7.035	6.782
3/8-24	8.50	8.636	8.382
7/16-20	9.90	10.033	9.729
1/2-20	11.50	11.607	11.329
9/16-18	12.90	13.061	12.751
5/8-18	14.50	14.681	14.351
3/4-16	17.50	17.678	17.323
7/8-14	20.50	20.675	20.270
1-12	23.20	23.571	23.114
1-1/8-12	26.50	26.746	26.289
1-1/4-12	29.50	29.921	29.464
1-3/8-12	32.80	33.096	32.639
1-1/2-12	36.00	36.271	35.814

Inch Whitworth thread			
Model	Drilling diameter	Hardwood	
		Soft material	
W 1/8 - 40	2.65	2.6	
W 5/32 - 32	3.25	3.2	
W 3/16 - 24	3.75	3.7	
W 1/4 - 20	5.1	5	
W 5/16 - 18	6.6	6.5	
W 3/8 - 16	8	7.9	
W 7/16 - 14	9.4	9.3	
W 1/2 - 12	10.7	10.5	
W 9/16 - 12	12.3	12.3	
W 5/8 - 11	13.7	13.5	
W 3/4 - 10	16.7	16.5	
W 7/8 - 9	19.5	19.3	
W 1 - 8	22.4	22	
W 1-1/8 - 7	25	24.8	
W 1-1/4 - 7	28.3	28	

American pipe thread			
Model	Drilling diameter		
	NPTF		
	When using anner	When not using anner	NPSF
1/16 - 27	5.94	6.15	6.35
1/8 - 27	8.33	8.43	8.61
1/4 - 18	10.72	11.13	11.13
3/8 - 18	14.27	14.27	14.68
1/2 - 14	17.48	17.86	17.86
3/4 - 14	22.63	23.01	23.42
1 - 11.5	28.58	28.98	29.36
1-1/4-11.5	37.31	37.69	
1-1/2-11.5	43.26	43.66	
2 - 11.5	55.17	55.58	

Thread for inch G pipe			
Model	Standard diameter		
	Bottom hole	Upper limit	Lower limit
G 1/16 - 28	6.70	6.843	6.561
G 1/8 - 28	8.70	8.848	8.566
G 1/4 - 19	11.70	11.890	11.445
G 3/8 - 19	15.20	15.395	14.950
G 1/2 - 14	19.00	19.172	18.631
G 5/8 - 14	21.00	21.128	20.587
G 3/4 - 14	24.50	24.668	24.117
G 7/8 - 14	28.20	28.418	27.877
G 1-11	30.60	30.931	30.291
G 1-1/8-11	35.20	35.579	34.939
G 1-1/4-11	39.20	39.592	38.852
G 1-1/2-11	45.00	45.485	44.845
G 1-3/4-11	51.00	51.428	50.788
G 2 - 11	57.00	57.296	56.656

Inch PT pipe thread				
Model	Standard diameter		Effective thread length (inner diameter)	Standard length (inside diameter)
	When using anner	When not using anner		
PT 1/16 - 28	6.10	6.20	6.244	6.384
PT 1/8 - 28	8.10	8.20	8.249	8.388
PT 1/4 - 19	10.70	11.00	10.962	11.174
PT 3/8 - 19	14.20	14.50	14.448	14.658
PT 1/2 - 14	17.60	18.00	17.979	18.263
PT 3/4 - 14	23.00	23.50	23.378	23.663
PT 1-11	29.00	29.50	29.459	29.822
PT 1-1/4-11	37.50	38.00	37.976	38.339
PT 1-1/2-11	43.40	44.00	43.869	44.232
PT 2 - 11	54.90	55.50	55.412	55.844

American special fine thread			
Model(UNEF)	Standard diameter	Grade 2 teeth drilling diameter	
		Maximum	Smallest
NO.12-32	4.70	4.826	4.623
1/4-32	5.60	5.690	5.486
5/16-32	7.10	7.264	7.067
3/8-32	8.70	8.865	8.661
7/16-28	10.20	10.338	10.135
1/2-28	11.80	11.938	11.709
9/16-24	13.20	13.386	13.132
5/8-24	14.80	14.986	14.732
3/4-20	17.80	17.958	17.678
7/8-20			

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