

**BOR**  
CARBIDE



# **BOR Carbide Threadmills and Pikko Tools 2023**

# CONTENTS

## 01. TUNGSTEN STEEL SINGLE TOOTH THREAD MILLING CUTTER

* Single Tooth Tungsten Steel Thread Milling Cutter (60°)	01
* Single Tooth Tungsten Steel Thread Milling Cutter-Titanium Alloy/High Temperature Alloy	02
* Single Tooth Extended Thread Milling Cutter (60°)	03
* Single Tooth Range Tungsten Steel Thread Milling Cutter - For Steel	04
* Single Tooth Range Tungsten Steel Thread Milling Cutter - L1 Extended	05
* Single Tooth Range Champagne Thread Milling Cutter-Titanium Alloy/High Temperature Alloy	06
* Single Tooth Range Champagne Thread Milling Cutter-Titanium Alloy/High Temperature Alloy	07
* Single Tooth 55 ° Inch Range Thread Milling Cutter	08
* 30° Trapezoidal Single Tooth Thread Milling Cutter	09
* 29° Acme Single Tooth Thread Milling Cutter	10
* PG German Standard Single Tooth Thread Milling Cutter	11

## 02. TUNGSTEN STEEL THREE ROW THREAD MILLING CUTTER

* Three Tooth Metric Thread Milling Cutter-2D-1	12
* Three Tooth Metric Thread Milling Cutter-2D-2	13
* Three Tooth Metric Thread Milling Cutter-3D	14
* Three Tooth Metric Thread Milling Cutter-4D	15
* Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-1	16
* Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-2	17
* Three Teeth Metric Thread Mills-Titanium Alloy/High Temperature Alloy-3D	18
* Three Tooth Metric Thread Milling Cutter-Colorful Aluminum	19
* Extended Metric Three-tooth Thread Milling Cutter (60°)	20
* Three Tooth American Thread Milling Cutter	21

## 03. TUNGSTEN STEEL FULL THREAD MILLING CUTTER

* Solid Carbide Thread Milling Cutter(Metric)ISO	22
* Single Tooth Tungsten Steel Range Thread Milling Cutter	23
* BSP (G) British Standard Pipe Thread Milling Cutter	24
* BSPT (RC) British Standard Taper Sealed Pipe Thread Milling Cutter	25
* NPT NPTF American Thread Milling Cutter	26

## 04. TUNGSTEN STEEL SPECIAL THREAD MILLING CUTTER

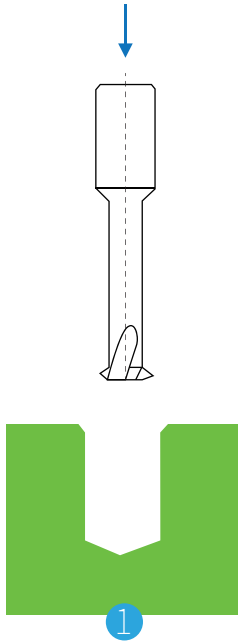
* Super Hard Left-handed Two-tooth Thread Milling Cutter(can be processed>50°HRC)	27
* Tungsten Steel Free Bottom Hole Multi-Function Thread Milling Cutter	28
* Tungsten Steel Free Bottom Hole Multi-function Thread Milling C	29
* Tungsten Steel Drilling And Milling Thread Milling Cutter	30
* Tungsten Steel Drilling And Milling Thread Milling Cutter-DLC	31
* Taper Medical Bone Plate Thread Milling Cutter	32

## 05. TUNGSTEN STEEL MINI BORING TOOL SERIES

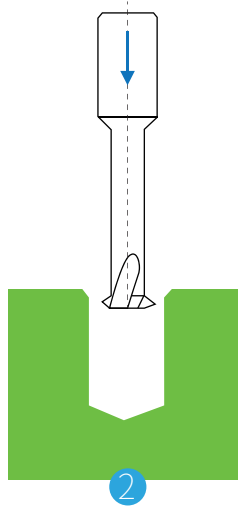
---

* MTR Small Hole Boring Tool-1	33
* MTR Small Hole Boring Tool-2	34
* MTR Small Hole Boring Tool-3	35
* NNR Tungsten Steel Non Slotted Tmall Hole Boring Tool	36
* MIR Small Hole Thread Turning Tool(60°)	37
* MIL Small Hole Thread Turning Tool	38
* NIR(55°) Small HoleThread Turning Tool(55°)	39
* NIR Small Hole Thread Turning Tool(TR)	40
* NIR Small Hole Thread Turning Tool(ACME)	41
* MGR Small Hole Slot Tool	42
* NKR Tungsten Steel Small Hole Arc Groove Cutter	43
* NFR Tungsten Steel End Face Slot Cutter (Forehand/Right Hand)	44
* NFL Tungsten Steel Face Groove Tool (Backhand/Left Hand)	45
* NVR Tungsten Steel Deep Groove End Face Groove Tool	46
* NZR Tungsten Steel Arc End Face Groove Tool (Forehand/Right)	47
* NZL Tungsten Steel Arc End Face Groove Tool(Backhand/Left Hand)	48
<hr/>	
* NPR Tungsten Steel Mini Copy Boring Tool-1	49
* NPR Tungsten Steel Mini Copy Boring Tool-2	50
* NQR Tungsten Steel Mini Copy Boring Tool	51
* NUR Tungsten Steel 90° Mini Copy Boring Tool	52
* NXR Tungsten Steel Mini Reverse Boring Tool	53
<hr/>	
* Tungsten Steel Upper And Lower Chamfering Cutter	54
* Tungsten Steel Taper End Mill	55
* Tungsten Steel Flat Bottom Drill/Flat Drill	56
* Carbide drill bit	57
* Spiral Groove Chamfering Tool	58
* Comparison Table For Drill Hole Diameter Of Thread Milling Cutter	59

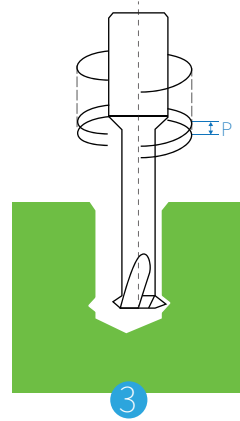
# Process of single tooth thread milling cutter



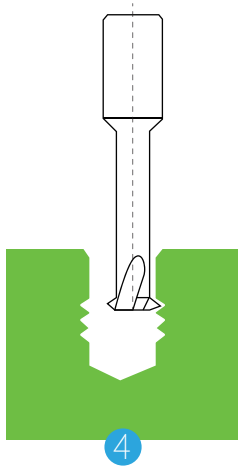
1  
Position over bottom hole



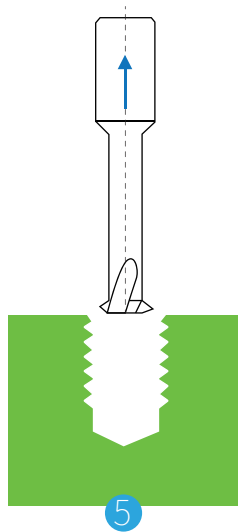
2  
Lower the tool to the desired thread depth



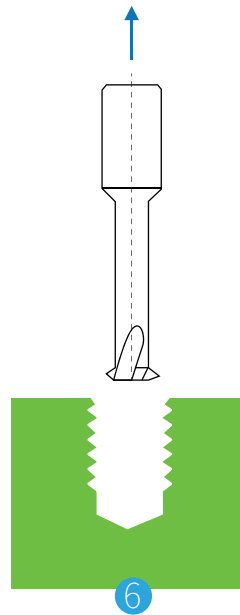
3  
Spiral feed goes up one pitch



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



5  
180° exit to neutral position



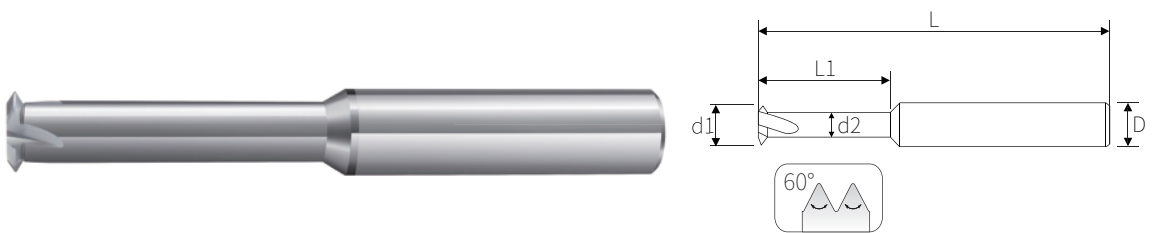
6  
The tool retracts to the starting position

## 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	4
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

# Single Tooth Tungsten Steel Thread Milling Cutter-Titanium Alloy/High Temperature Alloy

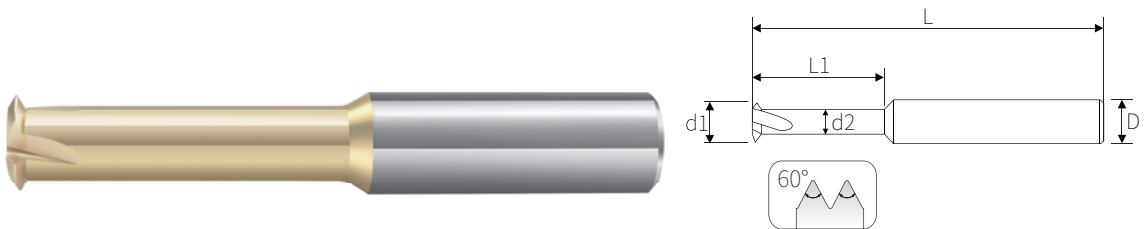
®

## 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)
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	4
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

# Single tooth extended thread milling cutter (60°)

®

## 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

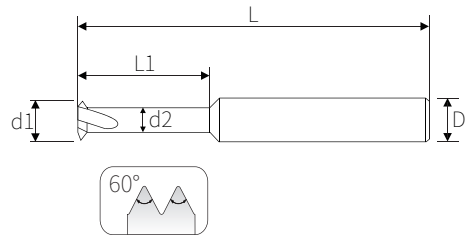
Item Code	SIZE						
	Model	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE003P001	M1.4*0.3	1.05	0.7	3.5	4.0	100	3
BSE003P002	M1.6*0.35	1.2	0.8	4.0	4.0	100	3
BSE003P003	M2.0*0.4	1.55	0.9	6.0	4.0	100	3
BSE003P004	M2.5*0.45	1.96	1.3	6.5	4.0	100	4
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



# Single Tooth Range Tungsten Steel Thread Milling Cutter - L1 Extended

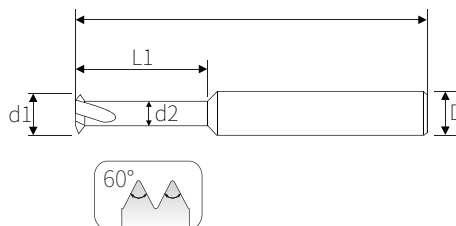
®

## 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

# Single Tooth Range Champagne Thread Milling Cutter-Titanium Alloy/High Temperature Alloy

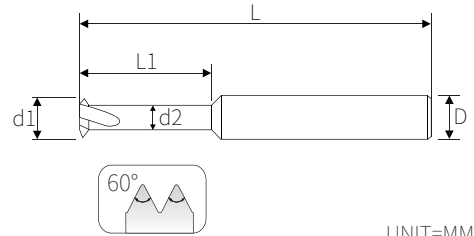
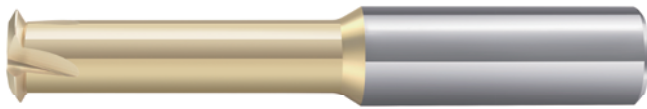
®

## 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

# Single Tooth Range Champagne Thread Milling Cutter-Titanium Alloy/High Temperature Alloy

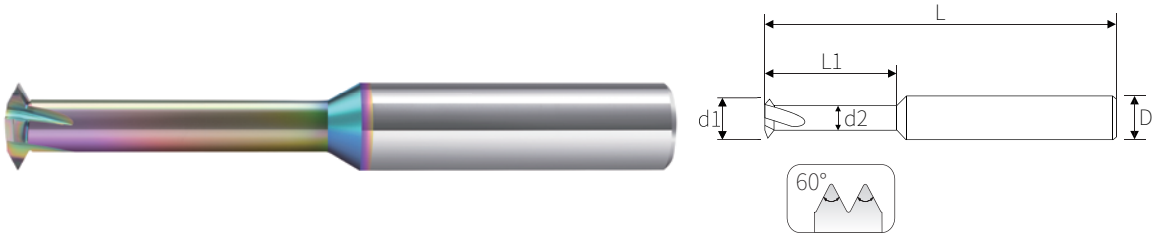
®

## 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	P0.25	0.72	0.43	2.5	4.0	50	2
BSE025S002	P0.25	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	4
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

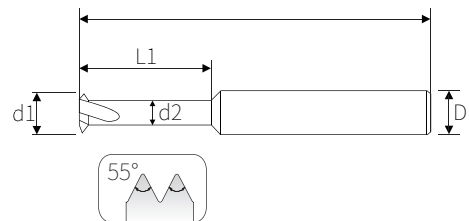
# Single Tooth 55 ° Inch Range Thread Milling Cutter

## 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	Size									
	Model		Tooth pitch (P)	Blade diameter (d1)	Angler	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
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 G1/8-28	G1/16-28	P0.907-P1.411	6.0	55°	4.5	14	6.0	50	4
BSE004W005	W7/16-14 G3/8-19	G1/4-19	P1.336-P1.814	8.0	55°	5.9	22	8.0	60	4
BSE004W006	G1/2-14 G3/4-14	G1/4-19 G3/8-19	P1.336-P1.814	10	55°	7.3	30	10	75	4
BSE004W007	W5/8-11 G1/2-14 G1-11	W3/4-10 G3/4-14	P1.336-P2.54	12	55°	8.2	38	12	75	4

# 30° Trapezoidal Single Tooth Thread Milling Cutter

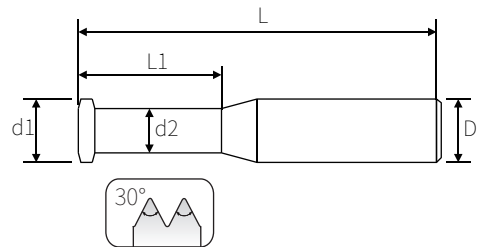
®

## 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

# 29° Acme Single Tooth Thread Milling Cutter

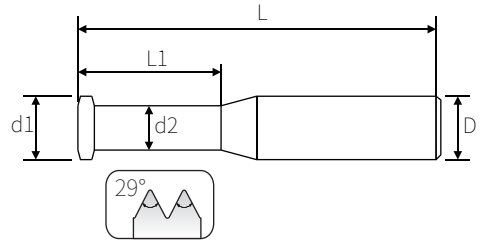
®

## 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

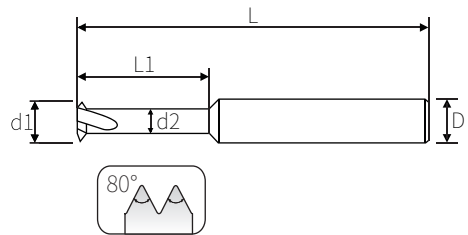
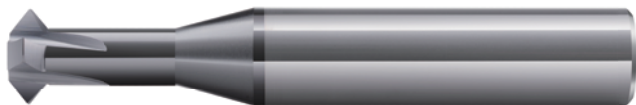
# PG German Standard Single Tooth Thread Milling Cutter

## 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

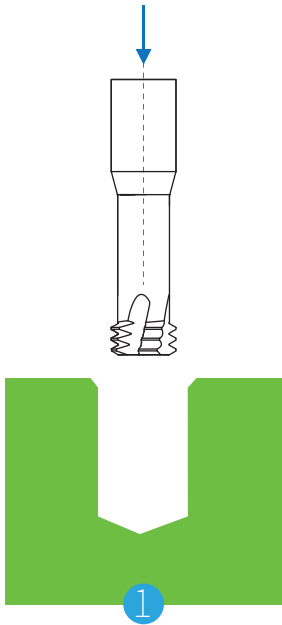
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙	○				⊙	⊙						○



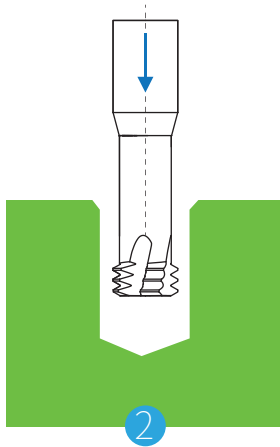
UNIT=MM

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	

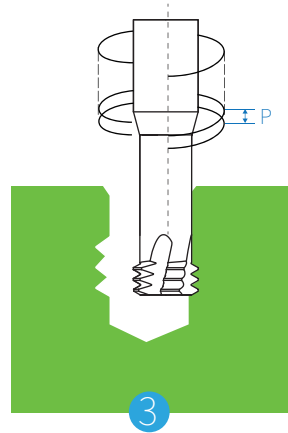
# Process Of Three-Tooth Thread Tilling Cutter



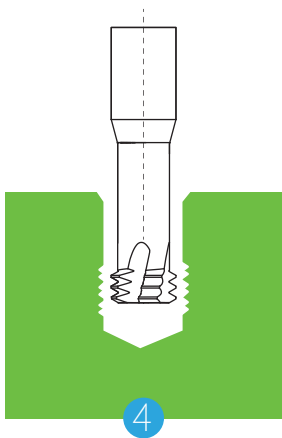
1  
Position over bottom hole



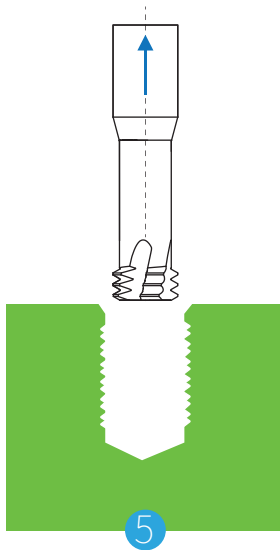
2  
Lower the tool to the  
desired thread depth



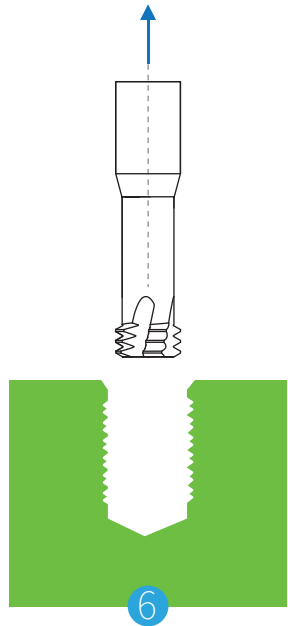
3  
Spiral feed goes  
up one pitch



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



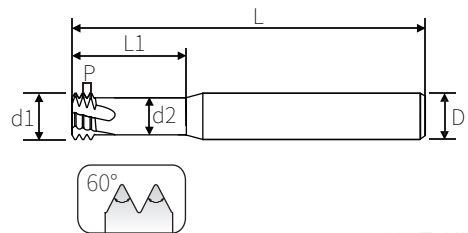
# Three Tooth Metric Thread Milling Cutter-2D-1

## 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	
BSE008S030	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	
BSE008S031	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	
BSE008S032	M2.5	0.45	2.0	1.45	5.0	6.0	50	3	
BSE008S009	M3.0	0.5	2.4	1.8	6.0	4.0	50	3	
BSE008S033	M3.0	0.5	2.4	1.8	6.0	6.0	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	
BSE008S034	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	
BSE008S035	M5.0	0.8	4.0	3.0	10	6.0	50	3	
BSE008S014	M6.0	0.75	4.8	3.8	12	6.0	50	3	
BSE008S036	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	
BSE008S018	M10	1.5	8.0	6.2	20	8.0	60	4	
BSE008S019	M12	1.0	10	8.7	24	10	75	4	
BSE008S037	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	

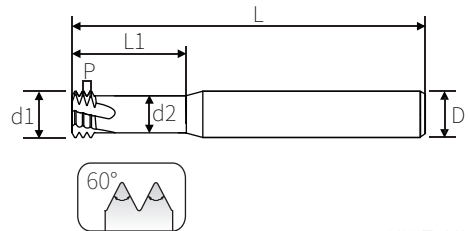
# Three Tooth Metric Thread Milling Cutter-2D-2

## 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)
BSE008S022	M14	1.5	12	10.1	28	12	75	4
BSE008S023	M14	2.0	10	7.5	28	10	75	4
BSE008S024	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
BSE008S038	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

# Three Tooth Metric Thread Milling Cutter-3D

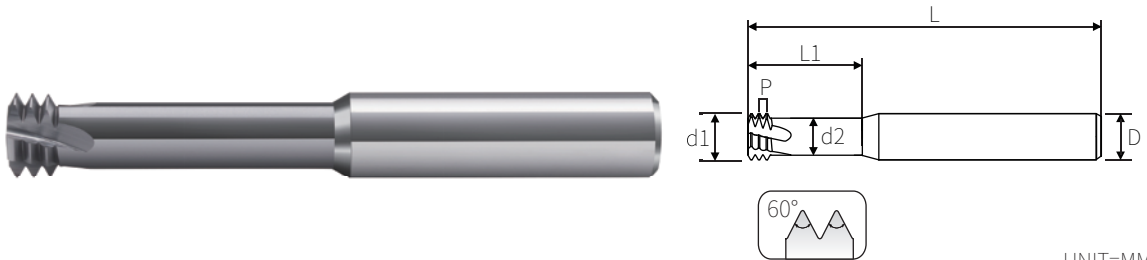
®

## 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  
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	Model	Size							Number blades (F)
		Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)		
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	

# Three Tooth Metric Thread Milling Cutter-4D

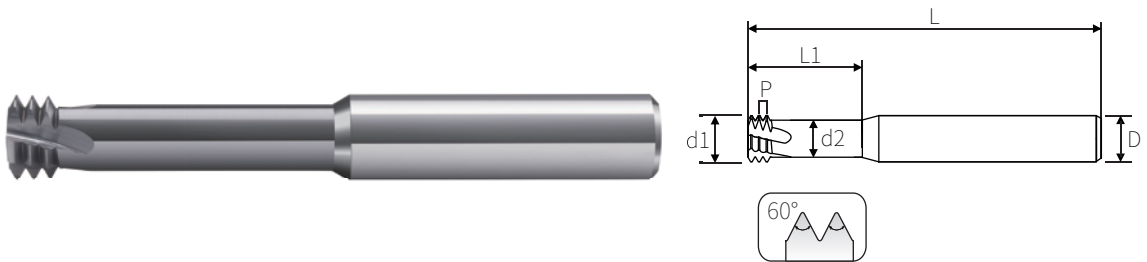
®

## 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

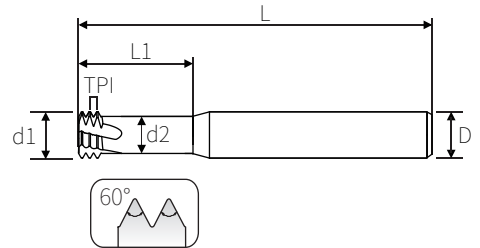
®

## 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
BSE053S030	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
BSE053S031	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
BSE053S032	M2.5	0.45	2.0	1.45	5.0	6.0	50	3
BSE053S009	M3.0	0.5	2.4	1.8	6.0	4.0	50	3
BSE053S033	M3.0	0.5	2.4	1.8	6.0	6.0	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
BSE053S034	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
BSE053S035	M5.0	0.8	4.0	3.0	10	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
BSE053S018	M10	1.5	8.0	6.2	20	8.0	60	4
BSE053S019	M12	1.0	10	8.7	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

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

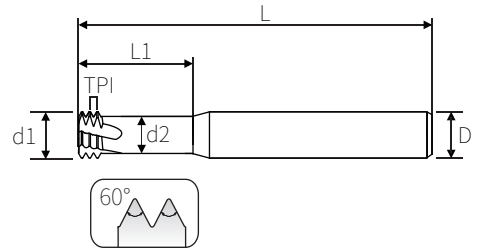
®

## 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)
BSE053S024	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
BSE053S027	M20	1.5	16	14.1	40	16	100	4
BSE053S028	M20	2.5	16	12.6	40	16	100	6
BSE053S029	M24	3.0	16	12	48	16	100	6

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

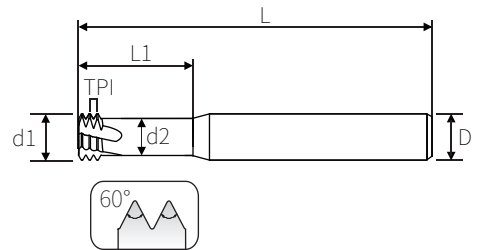
®

## 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	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
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

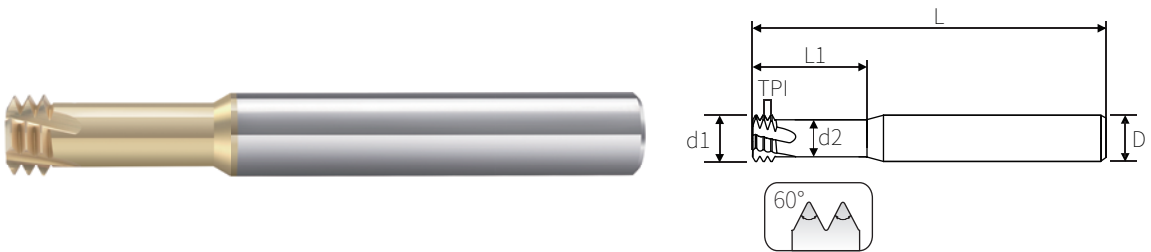
# Three Tooth Metric Thread Mills - Aerospace Special

## 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
BSE057S010	MJ12	1.75	10	7.8	36	10	75



# Three Tooth Metric Thread Mills - Bronze Coating

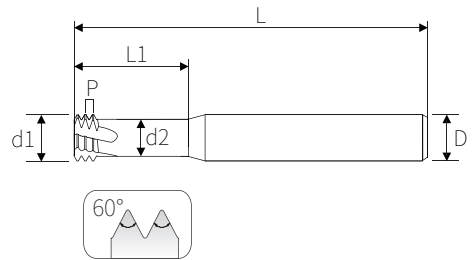
®

## 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								
⊙	○	⊙	⊙				⊙	○						



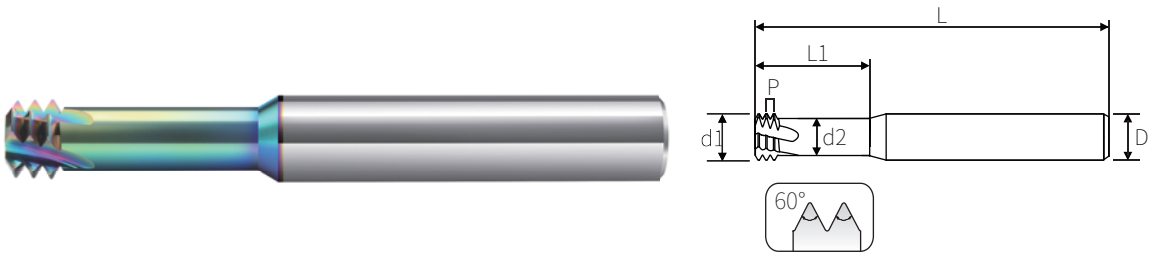
Item Code	Size							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE055S001	M1.0	0.25	0.73	2.0	3.0	4.0	50	3
BSE055S002	M1.2	0.25	0.92	2.4	3.6	4.0	50	3
BSE055S003	M1.4	0.3	1.05	2.8	4.2	4.0	50	3
BSE055S004	M1.6	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

⊙ = 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

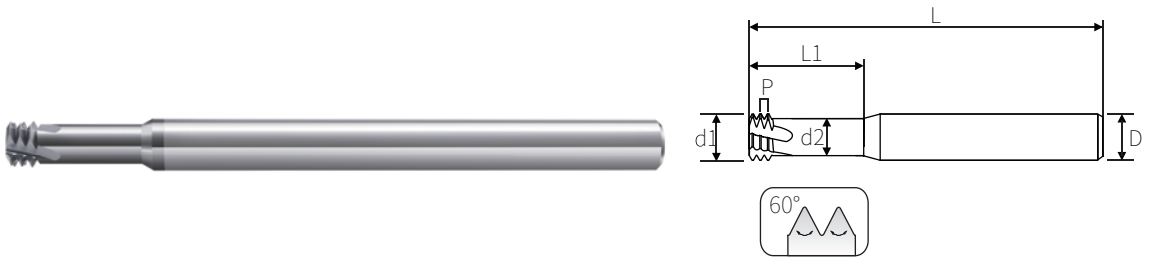
Item Code	SIZE							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE034S001	M1.0	0.25	0.73	0.43	3.0	4.0	50	3
BSE034S002	M1.2	0.25	0.92	0.62	3.6	4.0	50	3
BSE034S003	M1.4	0.3	1.05	0.65	4.2	4.0	50	3
BSE034S004	M1.6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

⊙ = 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

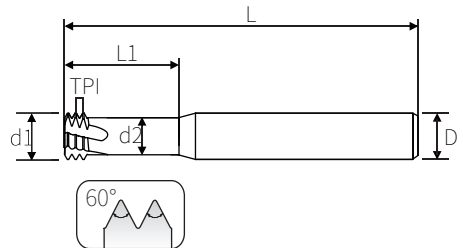
Item Code	SIZE							
	Model	Tooth pitch (P)	Blade diameter (d1)	Escape diameter (d2)	Blade length (L1)	Shank diameter (D)	Total length (L)	Number blades (F)
BSE0028S001	M1.6	0.35	1.2	0.78	3.2	6.0	100	3
BSE0028S002	M2.0	0.4	1.55	1.05	6.0	6.0	75	3
BSE0028S012	M2.0	0.4	1.55	1.05	4.0	6.0	100	3
BSE0028S003	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

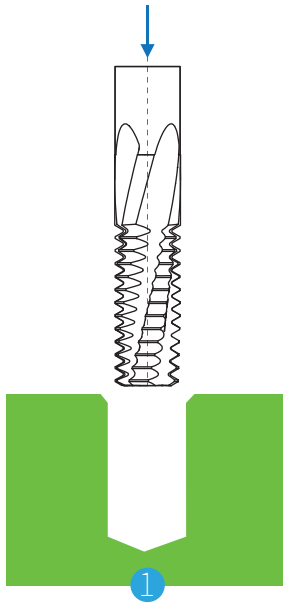
UNIT=MM

Item Code	Model	d1	d2	L1	D	L	F
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

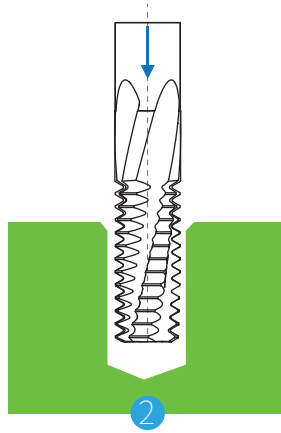
UNC American three-tooth thread milling cutter

Item Code	Model	d1	d2	L1	D	L	F
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

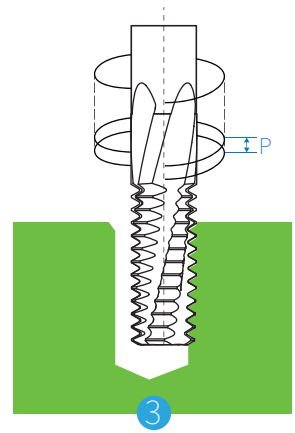
# Process Of Full Thread Thread Milling Cutter



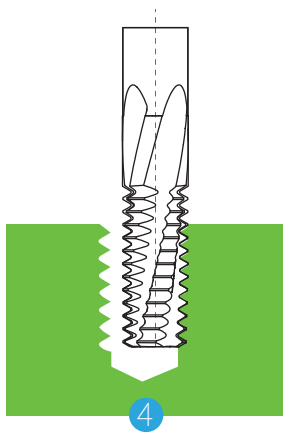
1  
Position over bottom hole



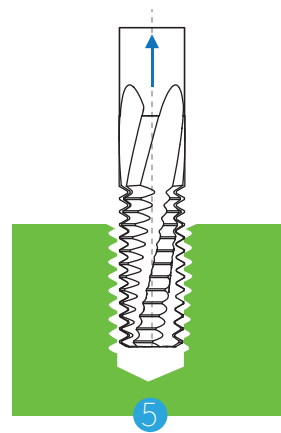
2  
Lower the tool to the desired thread depth



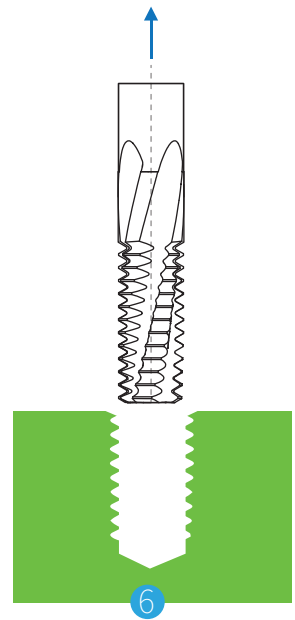
3  
Spiral feed goes up one pitch



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

# Solid Carbide Thread Milling Cutter(Metric)ISO

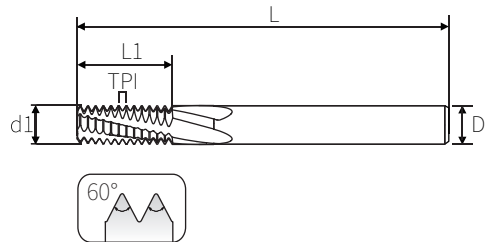
®

## 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	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
BSE000F012	M10	1.0	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
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

# Single Tooth Tungsten Steel Range Thread Milling Cutter

## 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

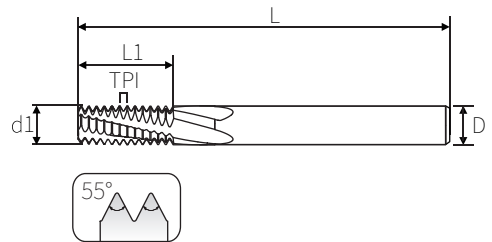
# BSP (G) British Standard Pipe Thread Milling Cutter

## 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
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
BSE012B008	1"	11	16	32	16	100	4
BSE012B022	1"	11	16	38	16	100	4
BSE012B017	1"	11	20	42	20	100	5



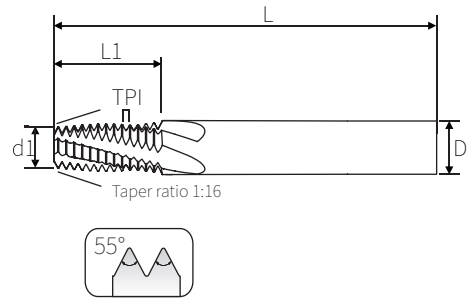
# BSPT (RC) British Standard Taper Sealed Pipe Thread Milling Cutter

## 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)
BSE012B001	1/16	28	5.3	9.9	6.0	60	4
BSE012B002	1/8	28	7.3	9.9	8.0	60	4
BSE012B003	1/4	19	7.0	14	8.0	60	4
BSE012B004	1/4	19	9.0	15	10	75	4
BSE012B005	3/8	19	11.0	14	12	75	4
BSE012B006	1/2	14	10.8	19	12	75	4
BSE012B007	3/4	14	14.6	21	16	100	4
BSE012B008	1"	11	14.3	27	16	100	4
BSE012B017	1"	11	17.38	42	20	100	5

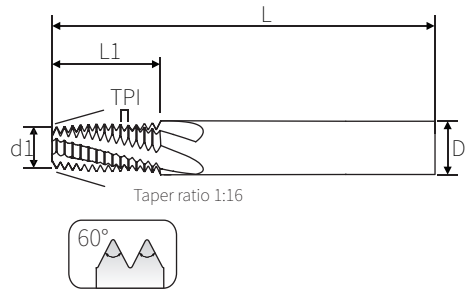
# NPT NPTF American Thread Milling Cutter

## 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

# 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

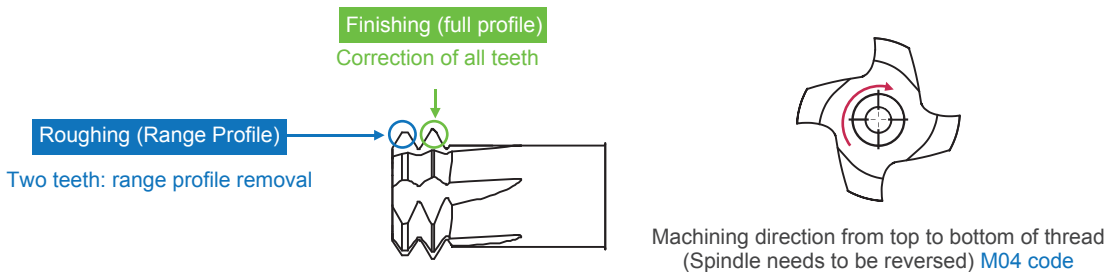
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
			⊙	⊙	⊙									



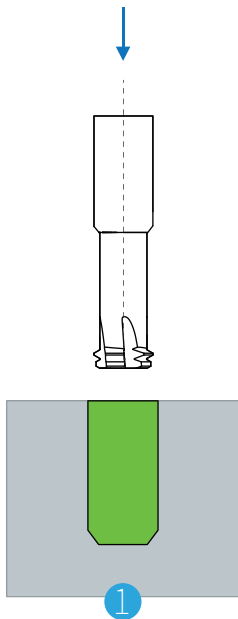
UNIT=MM

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

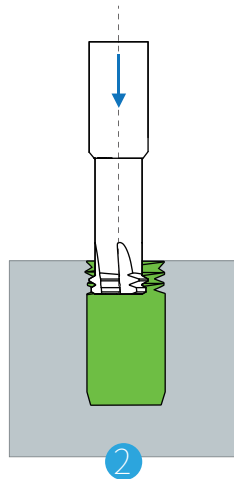
### Working principle of metric superhard two row thread milling cutter



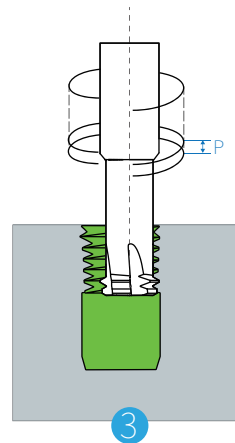
# Process Of Metric Super Hard Two-row Thread Milling Cutter



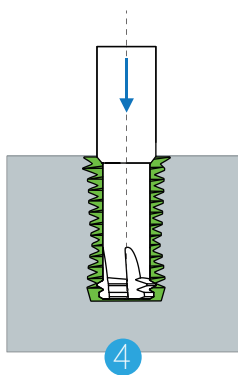
1  
The starting point is positioned at the center of the hole



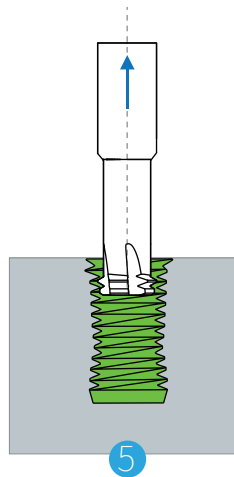
2  
Left-handed right-cut spiral feed



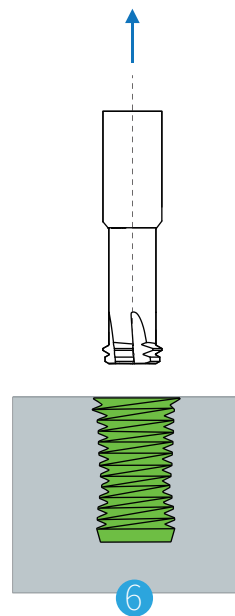
3  
Spiral processing goes down one pitch P



4  
Repeatedly spiral down according to a pitch



5  
180° exit to neutral position



6  
The tool retracts to the starting position

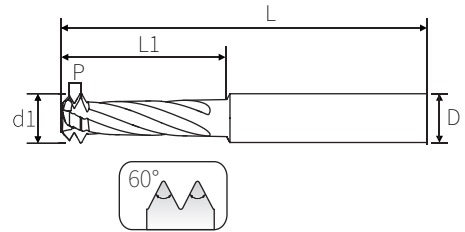
# Tungsten Steel Free Bottom Hole Multi-Function Thread Milling Cutter

## 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

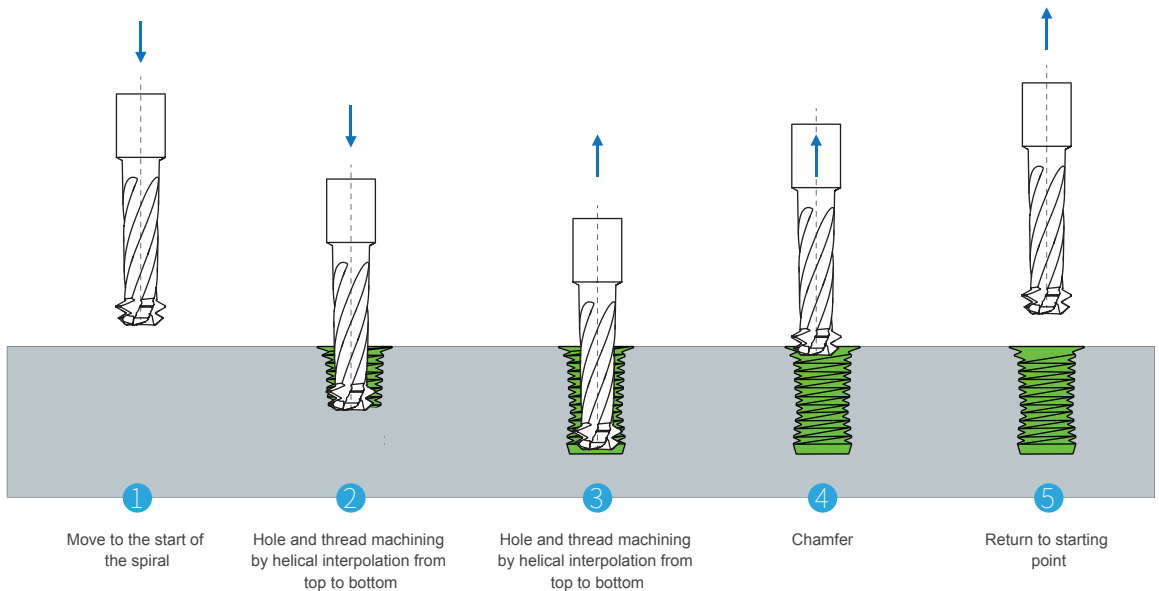
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
									⊙	⊙	⊙	⊙		



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:



# Tungsten Steel Free Bottom Hole Multi-function Thread Milling Cutter For Steel

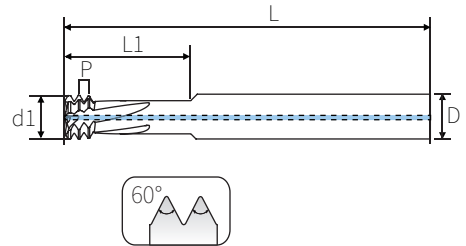
®

## 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

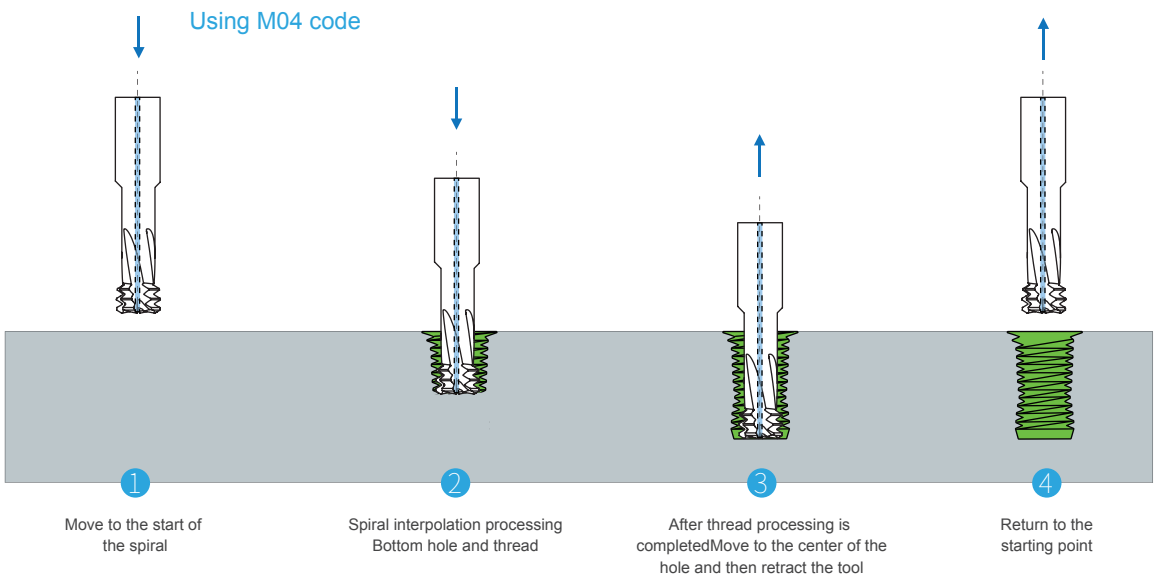
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
⊙	⊙	⊙						○						



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	9.0	26	10	75	4	Internal cooling

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



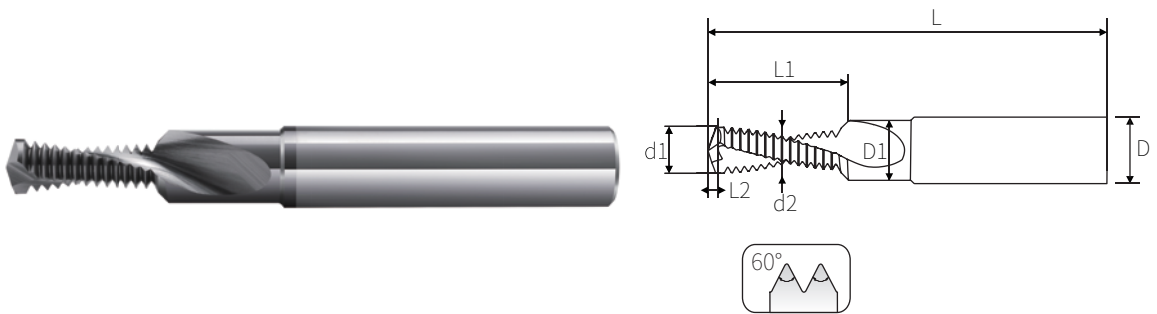
# Tungsten Steel Drilling And Milling Thread Milling Cutter

## 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

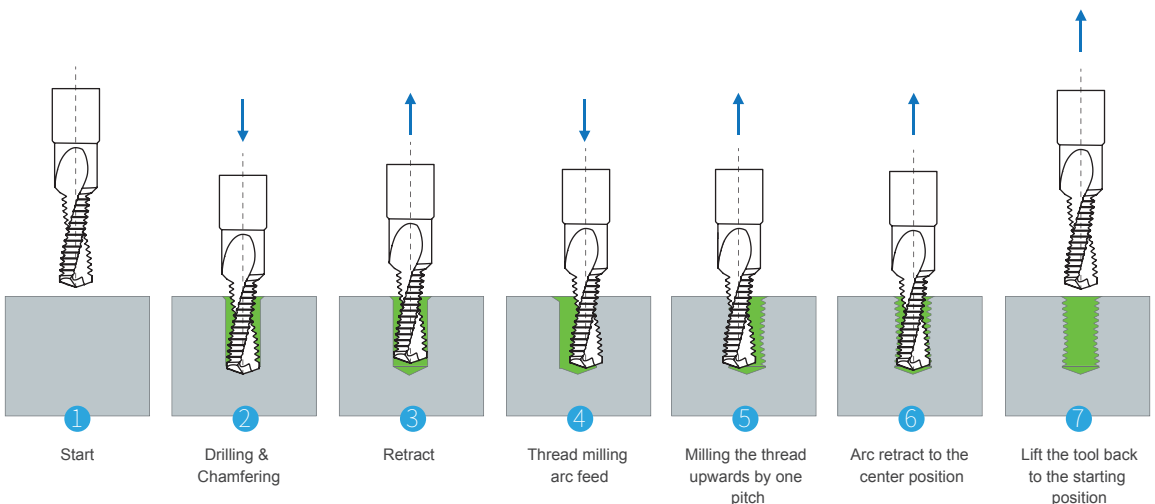
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
							⊙		○	○				



UNIT=MM

Item Code	Model	d2	d1	L1	L2	D1	D	L	F
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:



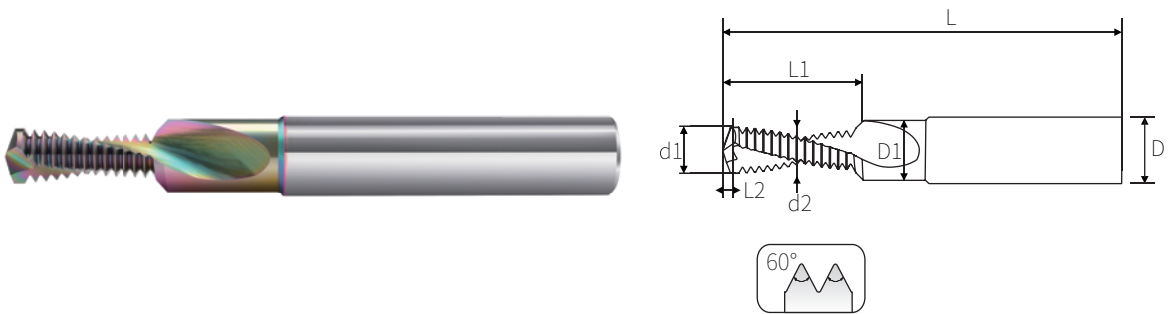
# Tungsten Steel Drilling And Milling Thread Milling Cutter-DLC

## 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

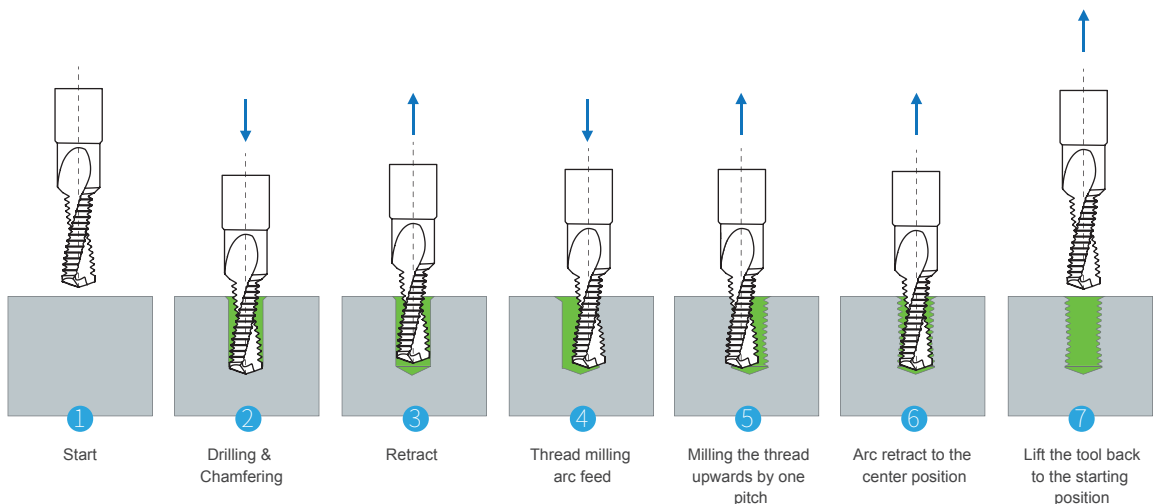
P			H				K	M	N				S	
Carbon Steel	Alloy Steel	Prehardened Steel	Hardened Steel				Cast Iron	Stainless Steels	Aluminium Alloys	Copper Alloys	Plastic Cement	Acrylic	High-Temperature Alloy	Titanium alloy
			~48HRC	~55HRC	~60HRC	~65HRC								
							⊙		○	○				



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:





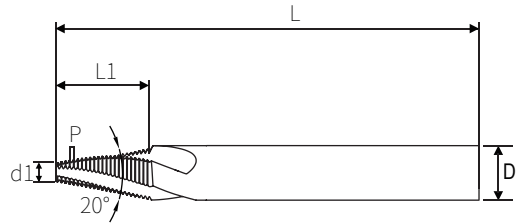
# Taper Medical Bone Plate Thread Milling Cutter

## 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

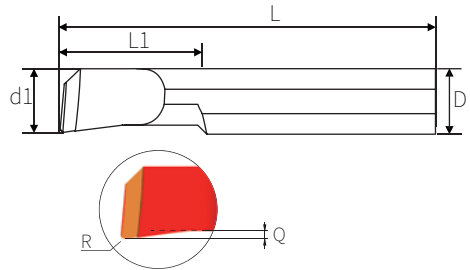
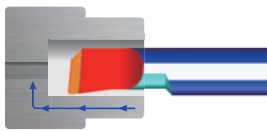
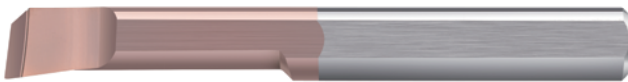
# MTR Small Hole Boring Tool-1

## 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
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
BSE018M009	NTR2.0	1.9	0.1	0.25	8.0	4.0	50
BSE018M010	NTR2.5	2.4	0.05	0.3	10	4.0	50
BSE018M011	NTR2.5	2.4L	0.1	0.3	10	4.0	50
BSE018M012	NTR3.0	2.8	0.05	0.3	8.0	4.0	50
BSE018M013	NTR3.0	2.8	0.05	0.3	12	4.0	50
BSE018M014	NTR3.0	2.8	0.05	0.3	15	4.0	50
BSE018M015	NTR3.0	2.8	0.1	0.3	8.0	4.0	50
BSE018M016	NTR3.0	2.8	0.1	0.3	10	4.0	50
BSE018M017	NTR3.0	2.8	0.1	0.3	12	4.0	50
BSE018M018	NTR3.0	2.8	0.1	0.3	15	4.0	50
BSE018M019	NTR3.0	2.8	0.15	0.3	8.0	4.0	50
BSE018M020	NTR3.0	2.8	0.15	0.3	12	4.0	50
BSE018M066	NTR3.0	2.8	0.15	0.3	15	4.0	50
BSE018M067	NTR3.0	2.8	0.2	0.3	8.0	4.0	50
BSE018M021	NTR3.0	2.8	0.2	0.3	15	4.0	50
BSE018M022	NTR3.5	3.4	0.05	0.35	15	4.0	50
BSE018M023	NTR3.5	3.4	0.1	0.35	15	4.0	50
BSE018M024	NTR3.5	3.4	0.15	0.35	15	4.0	50
BSE018M025	NTR3.5	3.4	0.2	0.35	12	4.0	50
BSE018M026	NTR3.5	3.4	0.2	0.35	15	4.0	50
BSE018M027	NTR3.5	3.4	0.2	0.35	22	4.0	50
BSE018M028	NTR4.0	3.9	0.05	0.45	10	4.0	50
BSE018M029	NTR4.0	3.9	0.05	0.45	15	4.0	50
BSE018M030	NTR4.0	3.9	0.05	0.45	22	4.0	50
BSE018M031	NTR4.0	3.9	0.1	0.45	10	4.0	50
BSE018M032	NTR4.0	3.9	0.1	0.45	15	4.0	50
BSE018M033	NTR4.0	3.9	0.1	0.45	22	4.0	50

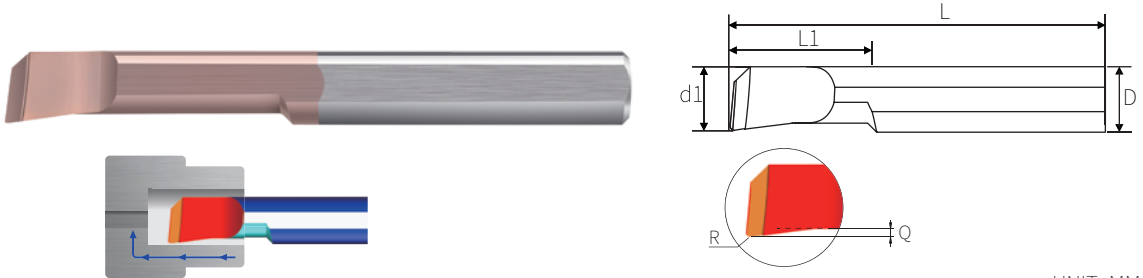
# MTR Small Hole Boring Tool-2

## 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
BSE018M034	NTR4.0	3.9	0.15	0.45	10	4.0	50
BSE018M035	NTR4.0	3.9	0.15	0.45	15	4.0	50
BSE018M036	NTR4.0	3.9	0.15	0.45	22	4.0	50
BSE018M037	NTR4.0	3.9	0.2	0.45	10	4.0	50
BSE018M038	NTR4.0	3.9	0.2	0.45	15	4.0	50
BSE018M039	NTR4.0	3.9	0.2	0.45	22	4.0	50
BSE018M040	NTR4.0	3.9	0.2	0.45	20	4.0	75
BSE018M041	NTR4.0	3.9	0.2	0.45	25	4.0	100
BSE018M042	NTR4.5	4.4	0.2	0.5	15	5.0	50
BSE018M043	NTR4.6	4.5	0.2	0.5	15	5.0	50
BSE018M044	NTR4.6	4.5	0.2	0.5	22	5.0	50
BSE018M045	NTR5.0	4.9	0.05	0.55	15	5.0	50
BSE018M046	NTR5.0	4.9	0.05	0.55	22	5.0	50
BSE018M047	NTR5.0	4.9	0.1	0.55	15	5.0	50
BSE018M065	NTR5.0	4.9	0.1	0.55	22	5.0	50
BSE018M048	NTR5.0	4.9	0.2	0.55	15	5.0	50
BSE018M049	NTR5.0	4.9	0.2	0.55	20	5.0	50
BSE018M050	NTR5.0	4.9	0.2	0.55	22	5.0	50
BSE018M068	NTR5.0	4.9	0.2	0.55	30	5.0	60
BSE018M051	NTR5.0	4.9	0.2	0.55	25	5.0	75
BSE018M052	NTR5.0	4.9	0.2	0.55	30	5.0	100
BSE018M053	NTR5.5	5.4	0.2	0.65	20	6.0	50
BSE018M054	NTR6.0	5.9	0.05	0.65	15	6.0	50
BSE018M055	NTR6.0	5.9	0.05	0.65	22	6.0	50
BSE018M056	NTR6.0	5.9	0.1	0.65	15	6.0	50
BSE018M057	NTR6.0	5.9	0.1	0.65	22	6.0	50
BSE018M058	NTR6.0	5.9	0.2	0.65	15	6.0	50
BSE018M059	NTR6.0	5.9	0.2	0.65	22	6.0	50
BSE018M069	NTR6.0	5.9	0.2	0.65	30	6.0	60
BSE018M070	NTR6.0	5.9	0.2	0.65	25	6.0	75
BSE018M060	NTR6.0	5.9	0.2	0.65	30	6.0	100
BSE018M061	NTR6.0	5.9	0.4	0.65	15	6.0	50
BSE018M062	NTR6.0	5.9	0.4	0.65	22	6.0	50
BSE018M063	NTR7.0	6.9	0.2	0.75	22	8.0	60
BSE018M064	NTR7.0	6.9	0.2	0.75	25	8.0	60

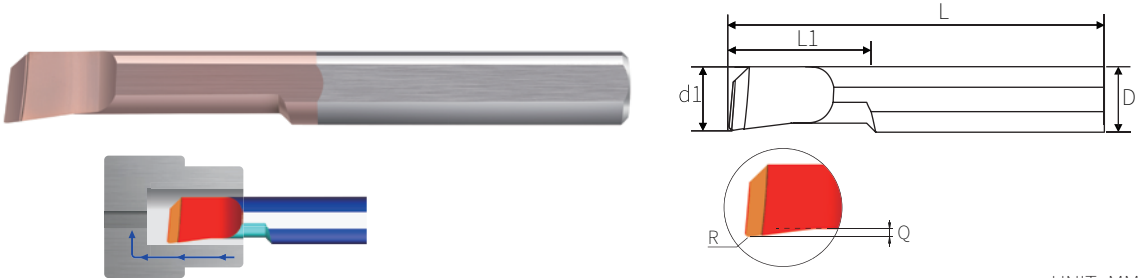
# MTR Small Hole Boring Tool-3

## 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
BSE018M065	NTR7.0	6.9	0.2	0.75	30	8.0	60
BSE018M066	NTR8.0	7.9	0.1	0.85	30	8.0	60
BSE018M067	NTR8.0	7.9	0.2	0.85	22	8.0	60
BSE018M068	NTR8.0	7.9	0.2	0.85	30	8.0	60
BSE018M069	NTR8.0	7.9	0.2	0.85	30	8.0	100

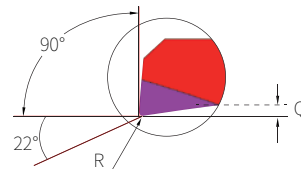
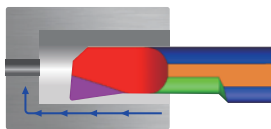
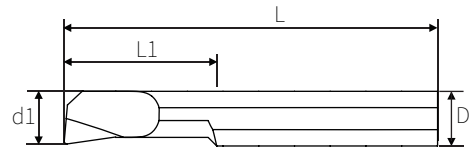
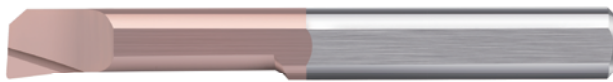
# NNR Tungsten Steel Non Slotted Tmall Hole Boring Tool

## 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
NNR061N001	NNR1.0	0.9	0.05	0.1	3	4.0	50
NNR061N002	NNR1.2	1.1	0.05	0.15	4	4.0	50
NNR061N003	NNR1.4	1.3	0.05	0.15	5	4.0	50
NNR061N004	NNR1.6	1.5	0.05	0.2	6	4.0	50
NNR061N005	NNR1.8	1.7	0.1	0.2	7	4.0	50
NNR061N006	NNR2.0	1.9	0.1	0.25	8	4.0	50
NNR061N007	NNR2.0	1.9	0.1	0.25	10	4.0	50
NNR061N008	NNR2.5	2.4	0.1	0.3	10	4.0	50
NNR061N009	NNR2.5	2.4	0.1	0.3	15	4.0	50
NNR061N010	NNR3.0	2.8	0.1	0.3	8	4.0	50
NNR061N011	NNR3.0	2.8	0.1	0.3	12	4.0	50
NNR061N012	NNR3.0	2.8	0.1	0.3	15	4.0	50
NNR061N013	NNR3.0	2.8	0.15	0.3	12	4.0	50
NNR061N014	NNR3.0	2.8	0.2	0.3	12	4.0	50
NNR061N015	NNR3.0	2.8	0.2	0.3	15	4.0	50
NNR061N016	NNR4.0	3.9	0.1	0.45	10	4.0	50
NNR061N017	NNR4.0	3.9	0.1	0.45	15	4.0	50
NNR061N018	NNR4.0	3.9	0.2	0.45	10	4.0	50
NNR061N019	NNR4.0	3.9	0.2	0.45	15	4.0	50
NNR061N020	NNR4.0	3.9	0.2	0.45	22	4.0	50
NNR061N021	NNR4.0	3.9	0.4	0.45	15	4.0	50
NNR061N022	NNR5.0	4.9	0.2	0.55	15	5.0	50
NNR061N023	NNR5.0	4.9	0.2	0.55	22	5.0	50
NNR061N024	NNR5.0	4.9	0.4	0.55	22	5.0	50
NNR061N025	NNR6.0	5.9	0.2	0.65	15	6.0	50
NNR061N026	NNR6.0	5.9	0.2	0.65	22	6.0	50
NNR061N027	NNR6.0	5.9	0.4	0.65	22	6.0	50
NNR061N028	NNR8.0	7.9	0.2	0.85	32	8.0	60

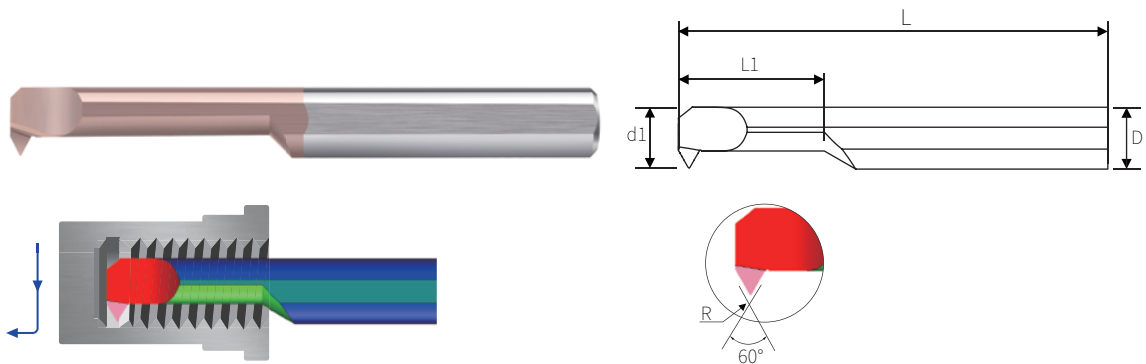
# MIR Small Hole Thread Turning Tool(60°)

## 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
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	49
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	0.05	60°	0.5-1.0	8.0	4.0	50
BSE019M005	NIR4.0	3.9	0.05	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

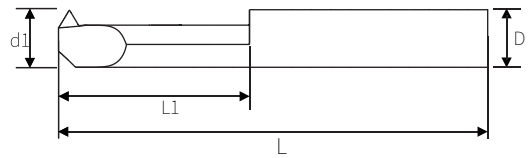
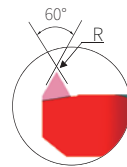
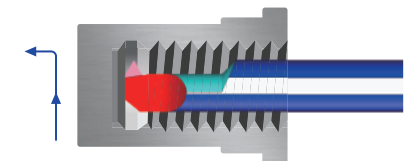
# MIL Small Hole Thread Turning Tool

## 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

# NIR(55°) Small HoleThread Turning Tool(55°)

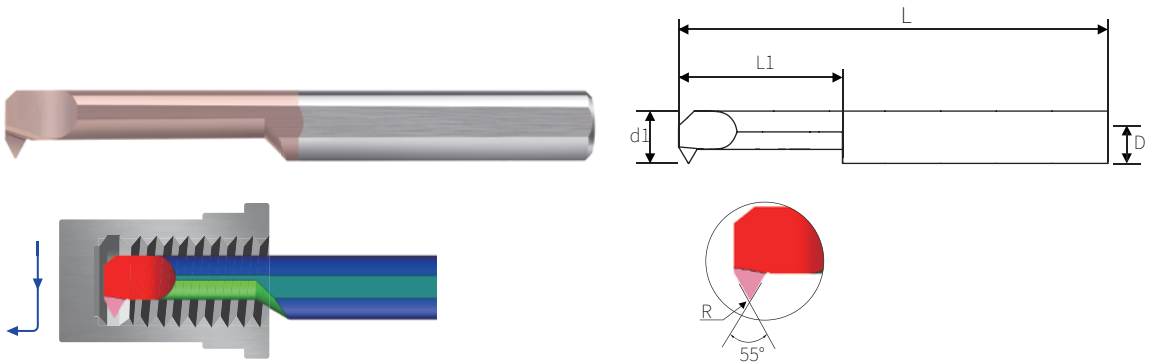
®

## 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)

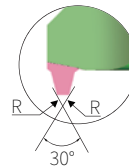
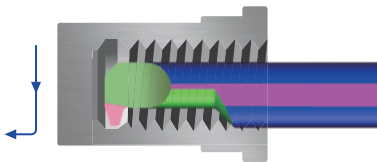
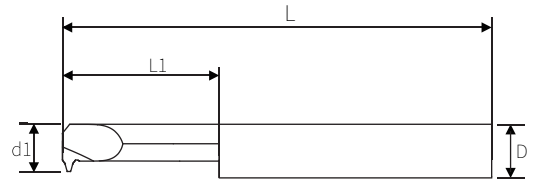
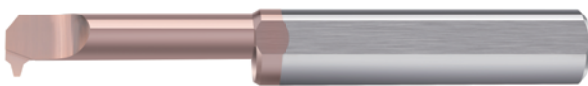
®

## 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

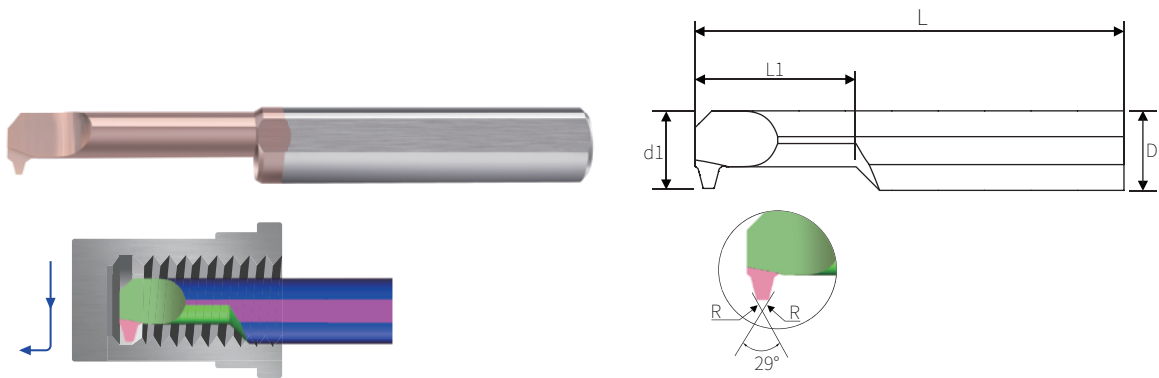
# NIR Small Hole Thread Turning Tool(ACME)

## 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

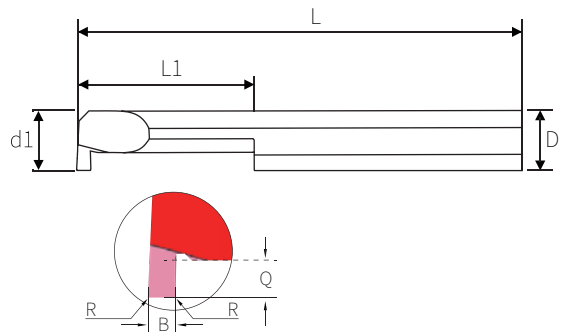
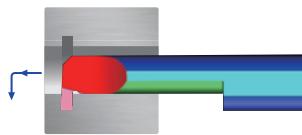
Item Code	Model	d1	Angle	L1	D	L
BSE043T001	NIR 4D 15L 16 ACME	3.9	29°	15	4.0	50
BSE043T002	NIR 6D 20L 14 ACME	5.6	29°	20	6.0	50
BSE043T003	NIR 8D 25L 12 ACME	6.6	29°	25	8.0	60
BSE043T004	NIR 8D 30L 10 ACME	7.9	29°	30	8.0	75
BSE043T005	NIR 10D 35L 8 ACME	9.9	29°	35	10	75
BSE043T006	NIR 10D 45L 6 ACME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

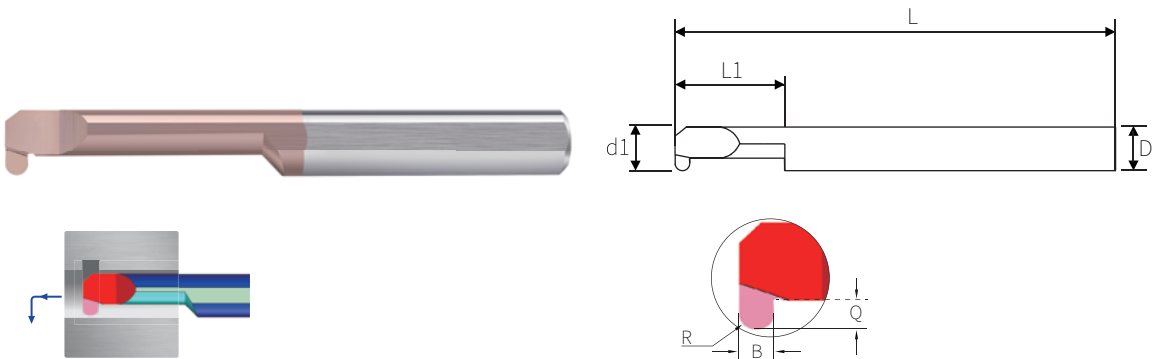
# NKR Tungsten Steel Small Hole Arc Groove Cutter

## 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

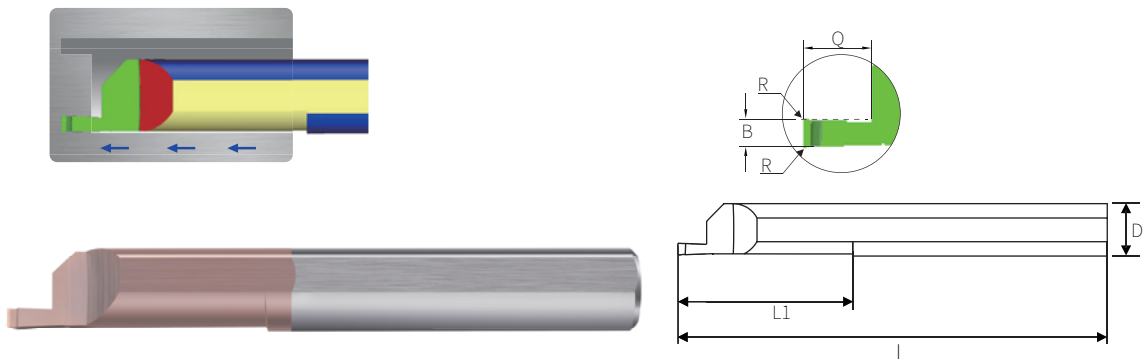
# NFR Tungsten Steel End Face Slot Cutter (Forehand/Right Hand)

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

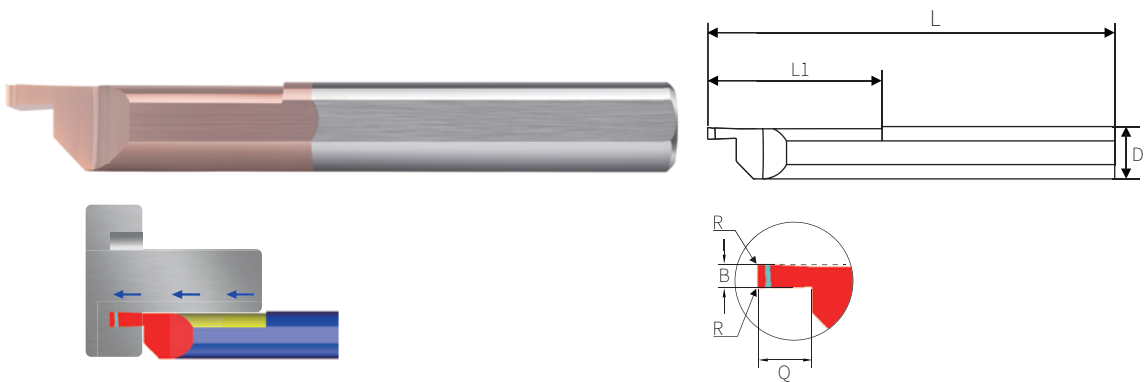
# NFL Tungsten Steel Face Groove Tool (Backhand/Left Hand)

## 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	L1	D	L
BSE030F021	NFL4.0	0.5	1.0	15	4.0	50
BSE030F022	NFL4.0	0.75	1.2	15	4.0	50
BSE030F023	NFL4.0	1.0	1.5	15	4.0	50
BSE030F024	NFL5.0	1.0	2.0	22	5.0	50
BSE030F025	NFL5.0	1.5	2.5	22	5.0	50
BSE030F026	NFL5.0	2.0	3.0	22	5.0	50
BSE030F008	NFL6.0	0.5	1.0	20	6.0	50
BSE030F009	NFL6.0	1.0	2.0	20	6.0	50
BSE030F010	NFL6.0	1.5	3.0	20	6.0	50
BSE030F011	NFL6.0	2.0	4.0	20	6.0	50
BSE030F012	NFL8.0	1.0	2.0	25	8.0	60
BSE030F013	NFL8.0	1.5	3.0	25	8.0	60
BSE030F014	NFL8.0	2.0	4.0	25	8.0	60

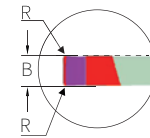
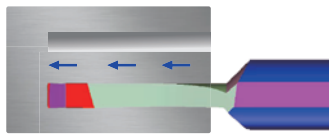
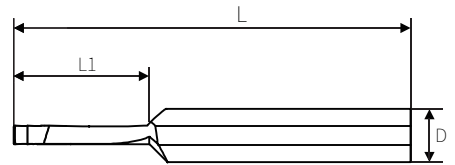
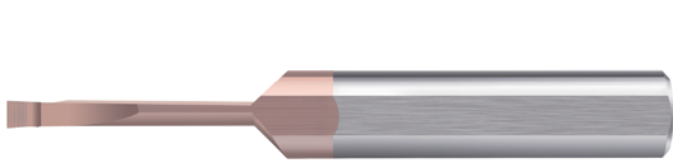
# NVR Tungsten Steel Deep Groove End Face Groove Tool

## 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

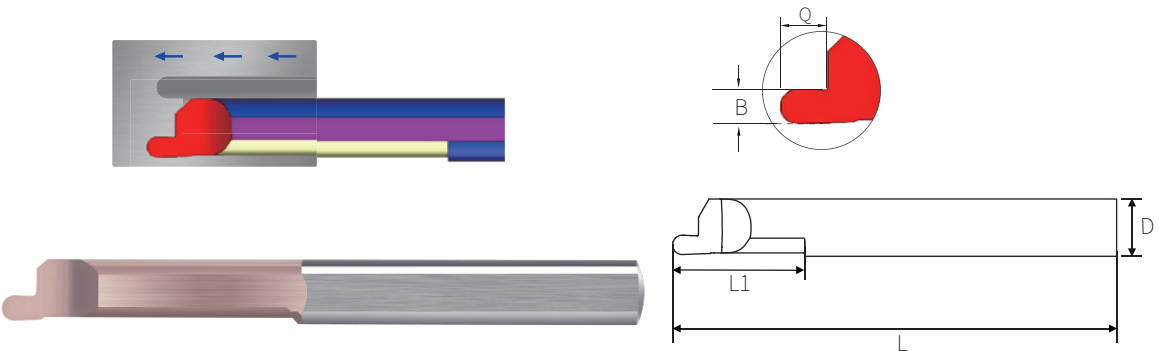
Item Code	Model	B	L1	D	L
BSE033V001	NVR6.0	2.0	10	6.0	50
BSE033V002	NVR6.0	2.5	10	6.0	50
BSE033V003	NVR6.0	2.0	15	6.0	50
BSE033V004	NVR6.0	2.5	15	6.0	50
BSE033V005	NVR8.0	2.5	22	8.0	60
BSE033V006	NVR8.0	3.0	22	8.0	60
BSE033V007	NVR8.0	4.0	22	8.0	60

## 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



# NZL Tungsten Steel Arc End Face Groove Tool(Backhand/Left Hand)

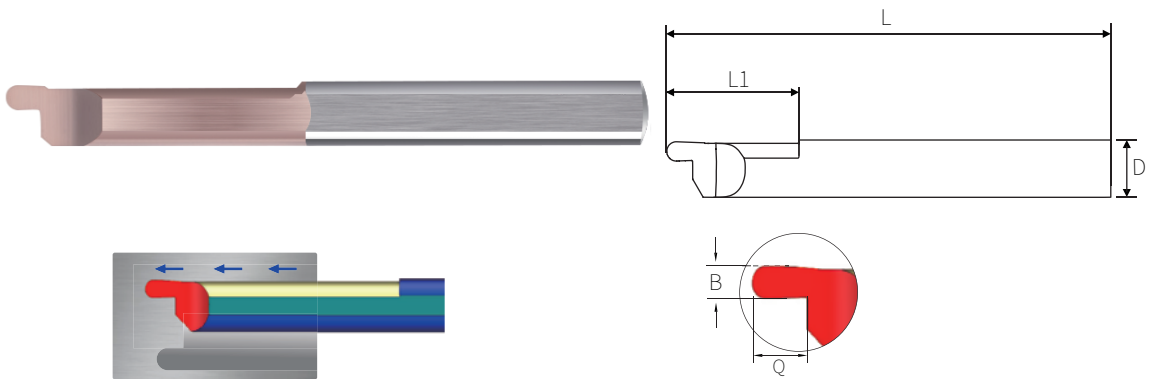
®

## 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

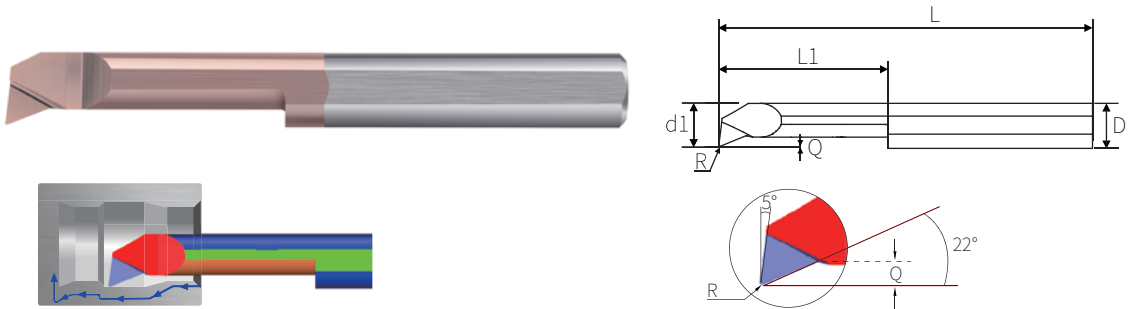
# NPR Tungsten Steel Mini Copy Boring Tool-1

## 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

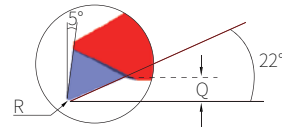
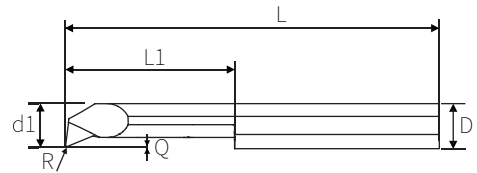
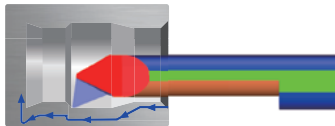
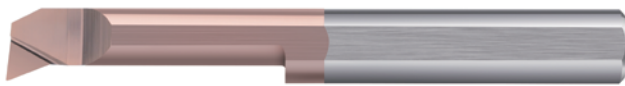
# NPR Tungsten Steel Mini Copy Boring Tool-2

## 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
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

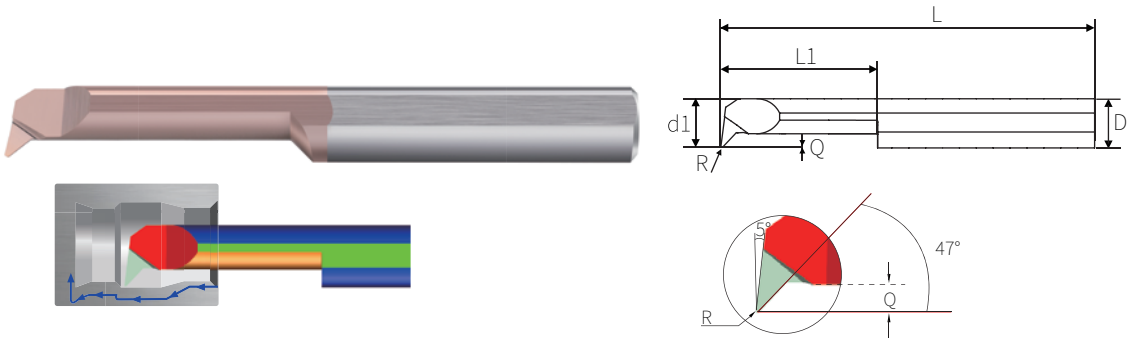
# NQR Tungsten Steel Mini Copy Boring Tool

## 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

# NUR Tungsten Steel 90° Mini Copy Boring Tool

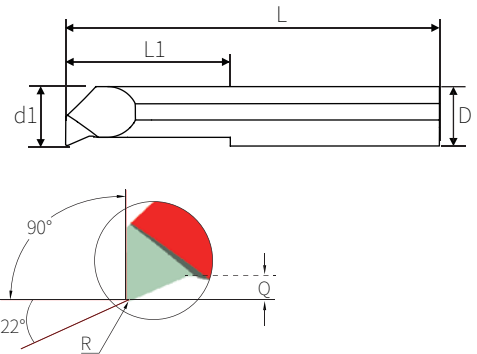
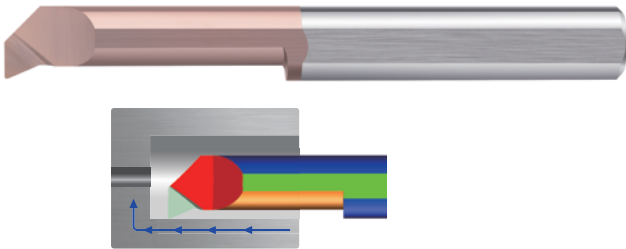
®

## 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
NUR062U001	NUR3.0	2.8	0.1	0.5	10	4.0	50
NUR062U002	NUR3.0	2.8	0.1	0.5	15	4.0	50
NUR062U003	NUR4.0	3.9	0.1	0.6	10	4.0	50
NUR062U004	NUR4.0	3.9	0.1	0.6	15	4.0	50
NUR062U005	NUR5.0	4.9	0.15	0.8	15	5.0	50
NUR062U006	NUR5.0	4.9	0.15	0.8	22	5.0	50
NUR062U007	NUR6.0	5.9	0.2	1.0	15	6.0	50
NUR062U008	NUR6.0	5.9	0.2	1.0	22	6.0	50
NUR062U009	NUR8.0	7.9	0.2	1.2	22	8.0	60

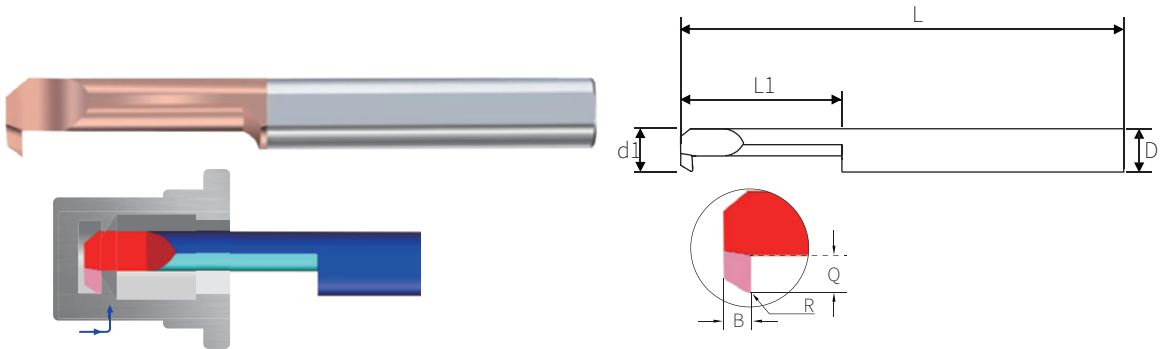
# NXR Tungsten Steel Mini Reverse Boring Tool

## 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

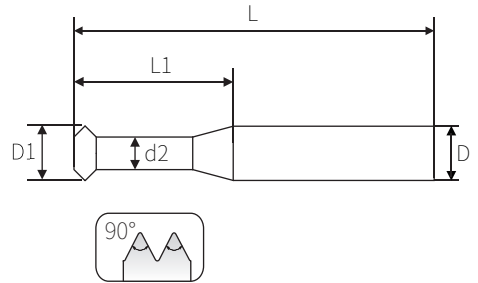
Item Code	Model	d1	R	B	Q	L1	D	L
NXR063X001	NXR3.0	2.8	0.1	1.3	0.5	10	4.0	50
NXR063X002	NXR4.0	3.9	0.15	1.3	0.8	10	4.0	50
NXR063X003	NXR4.0	3.9	0.15	1.3	0.8	15	4.0	50
NXR063X004	NXR5.0	4.9	0.2	1.5	1.0	15	5.0	50
NXR063X005	NXR5.0	4.9	0.2	1.5	1.0	22	5.0	50
NXR063X006	NXR6.0	5.9	0.2	1.5	1.8	15	6.0	50
NXR063X007	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	Stainless 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

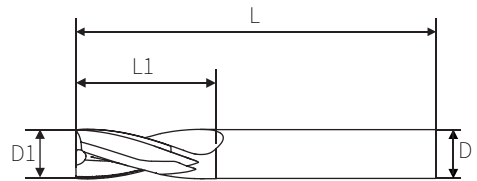


## Features

- 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

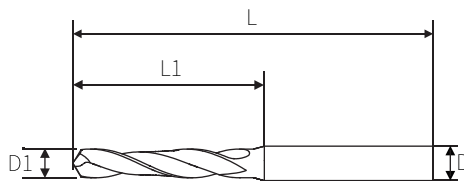
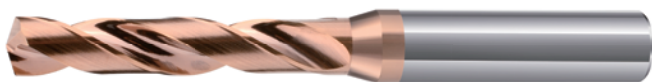
Item Code	d1	L1	D	L
BSE037D001	0.5-1.0	4.0	3.0	50
BSE037D002	1.05-1.5	6.0	3.0	50
BSE037D003	1.55-1.95	10	3.0	50
BSE037D004	2-2.95	14	4.0	50
BSE037D005	3-4	17	4.0	50
BSE037D006	4.05-5	23	6.0	65
BSE037D007	5.05-6	27	6.0	65
BSE037D008	6.05-7	32	8.0	75
BSE037D009	7.05-8	36	8.0	75
BSE037D010	8.1-9	41	10	85
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

- 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	65
BSE066D004	3-3.75	20	4.0	65
BSE066D005	3.8-4	24	4.0	65
BSE066D006	4.05-4.7	24	6.0	65
BSE066D007	4.75-6	28	6.0	65
BSE066D008	6.1-7	34	8.0	80
BSE066D009	7.1-8	41	8.0	80
BSE066D010	8.1-10	47	10	90
BSE066D011	10.1-12	55	12	100
BSE066D012	12.5-14	60	14	110
BSE066D013	14.5-16	65	16	115

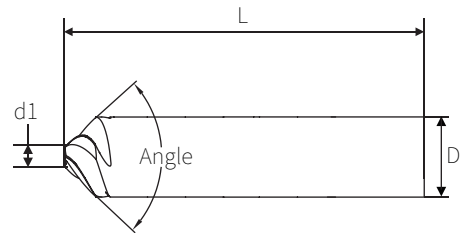
# Spiral Groove Chamfering Tool

## 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
BSE038C005	2.0	90°	8.0	60	4
BSE038C006	2.5	90°	10	75	4
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

### 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

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

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	0.935
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	2.148	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(4.166)	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
2-1/2-4	45.20	45.593	44.679

American pipe thread			
Model	Drilling diameter		
	NPT		NPSF
	When using anner	When not using anner	
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 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	7.087
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	21.00	21.133	20.853
1-20	24.00	24.308	24.028

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	1.786
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(4.166)	3.50	3.606	3.404
NO 10-32(4.826)	4.10	4.165	3.983
NO 12-28(5.846)	4.60	4.724	4.496
1/4-28	5.50	5.588	5.380
5/16-24	6.90	7.035	6.782
3/8-24	8.50	8.836	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	13.081	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 9/16 - 12	10.7	10.5
W 1 - 12	12.3	12
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		NPSF
	When using anner	When not using anner	
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	37.69
1-1/2-11.5	43.26	43.66	43.66
2 - 11.5	55.17	55.58	55.58

Thread for inch G pipe			
Model	Standard diameter		
	Bottom hole	Upper limit	Lower limit
G 1/16 - 28	6.70	6.843	6.581
G 1/8 - 28	8.70	8.848	8.586
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	24.658	24.117
G 7/8 - 14	28.20	28.418	27.877
G 1 - 11	30.60	30.931	30.291
G1-1/8-11	35.20	35.579	34.939
G 1-1/4 - 11	39.20	39.592	38.952
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

# BALKANLAR MÜHENDİSLİK

ÜRÜN DEĞİL ÇÖZÜM SUNUYORUZ



Yakuplu Mah. Hürriyet Bulvarı Skyport Residence  
No: 1 Kat: 3 No: 64-65 Beylikdüzü / İstanbul



0850 309 14 72



0850 522 34 03



[www.bankanlarmuhendislik.com](http://www.bankanlarmuhendislik.com)