

MSTNR230

规格 $\phi 0.2 \times R0.05 \times \text{颈角} 1^\circ \sim \phi 3 \times R0.5 \times \text{颈角} 1^\circ$
Size $\phi 0.2 \times R0.05 \times \text{neck taper angle} 1^\circ \sim \phi 3 \times R0.5 \times \text{neck taper angle} 1^\circ$



无限涂层 长颈锥形圆鼻铣刀

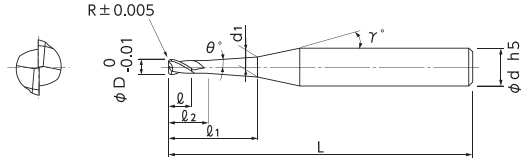
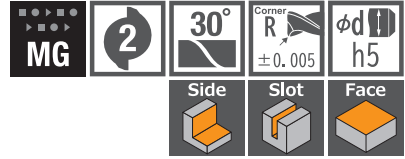
共有165种规格

MUGEN COATING 2-Flute Long Taper Neck Corner Radius End Mill

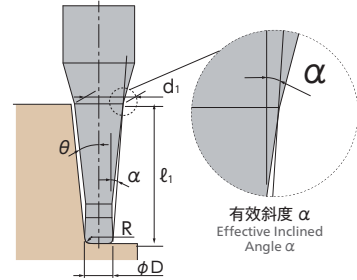
Total 165 sizes

采用锥颈形状，大幅提高刀具刚性！
L/D最大35倍

Taper neck design for significant improvement of tool rigidity!
Maximum L/D=35



- 进行从半粗加工到精密精加工的切削时，可抑制振刀，实现稳定的高速切削，提高了加工面精度。
- R精度高达 $\pm 5\mu\text{m}$ ！
- 升级版的无限涂层，可广泛应用于从高硬度钢、调质钢的直接切削到铜电极加工等各种不同的领域。
- Improve surface overall accuracy brought by high speed cutting with minimal chattering in roughing to finishing process.
- High R-Accuracy: $\pm 5\mu\text{m}$.
- Better performance in wide range of machining of direct carving on Hardened Steels, Prehardened Steels and Copper Electrode.



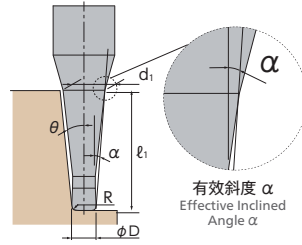
单位 [规格:mm / 价格:日元]
Unit [Size : mm / Retail Price : JPY]

产品代码 Code No.	(D)外径 Dia.	(R)角半径 Corner Radius	(θ)颈角 Neck Taper Angle	(l1)颈长 Under Neck Length	(d1)颈径 Neck Dia.	(l)刃长 Length of Cut	(l2)颈长2 Under Neck Length 2	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Inclined Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00770-02211	0.2	R0.05	1°	1	0.23	0.15	0.4	12°	0°38'	4	50	13,700
08-00770-02212				2	0.26				0°49'		50	13,700
08-00770-02231			3°	1	0.27				1°54'		50	13,700
08-00770-02232				2	0.37				2°28'		50	13,700
08-00770-02251			5°	1	0.31				3°10'		50	13,700
08-00770-02252				2	0.48				4°07'		50	13,700
08-00770-03211	0.3	R0.05	1°	2	0.35	0.25	0.6	12°	0°43'	4	50	13,700
08-00770-03212				3	0.39				0°49'		50	13,700
08-00770-03231			3°	2	0.45				2°10'		50	13,700
08-00770-03232				3	0.56				2°27'		50	13,700
08-00770-03251			5°	2	0.55				3°35'		50	13,700
08-00770-03252				3	0.72				4°04'		50	13,700
08-00770-04211	0.4	R0.05	1°	3	0.48	0.3	0.8	12°	0°45'	4	50	10,200
08-00770-04212				4	0.52				0°49'		50	10,200
08-00770-04231			3°	3	0.64				2°14'		50	10,200
08-00770-04232				4	0.74				2°26'		50	10,200
08-00770-04251			5°	3	0.79				3°44'		50	10,200
08-00770-04252				4	0.96				4°03'		50	10,200
08-00770-04311	0.5	R0.05	1°	3	0.48	0.4	1	12°	0°46'	4	50	10,200
08-00770-04312				4	0.52				0°49'		50	10,200
08-00770-04331			3°	3	0.64				2°17'		50	10,200
08-00770-04332				4	0.74				2°28'		50	10,200
08-00770-04351			5°	3	0.79				3°48'		50	10,200
08-00770-04352				4	0.96				4°07'		50	10,200
08-00770-05211	0.5	R0.05	1°	3	0.57	0.4	1	12°	0°41'	4	50	9,300
08-00770-05212				5	0.64				0°49'		50	9,800
08-00770-05213				8	0.75				0°53'		50	10,100
08-00770-05214				10	0.82				0°54'		50	11,100
08-00770-05215				12	0.89				0°55'		50	11,100

订购方法
How to Order

请指定MSTNR230 外径(D)×角半径(R)×颈角(θ)×颈长(l1)。
When you order, indicate MSTNR230 (D)×(R)×(θ)×(l1).

※(γ)为参考值。
※(γ) is reference value.



单位 [规格:mm / 价格:日元]
Unit [Size : mm / Retail Price : JPY]

产品代码 Code No.	(D)外径 Dia.	(R)角半径 Corner Radius	(θ)颈角 Neck Taper Angle	(ℓ ₁)颈长 Under Neck Length	(d ₁)颈径 Neck Dia.	(ℓ)刃长 Length of Cut	(ℓ ₂)颈长2 Under Neck Length 2	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Inclined Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price					
08-00770-05231	0.5	R0.05	3°	3	0.71	0.4	1	12°	2°02'	4	50	10,100					
08-00770-05232				5	0.92				2°25'		50	10,100					
08-00770-05233				8	1.24				2°38'		50	11,100					
08-00770-05234				10	1.45				2°43'		50	11,100					
08-00770-05235				12	1.66				2°46'		50	11,100					
08-00770-05251			R0.1	5°	3				0.85		3°23'	50	10,100				
08-00770-05252					5				1.2		4°02'	50	10,100				
08-00770-05253					8				1.73		4°25'	50	11,100				
08-00770-05254					10				2.08		4°32'	50	11,100				
08-00770-05311					1°				3		0.57	0°41'	50	9,300			
08-00770-05312		5		0.64					0°49'		50	9,800					
08-00770-05313		8		0.75					0°53'		50	10,100					
08-00770-05314		10		0.82					0°55'		50	11,100					
08-00770-05315		12		0.89					0°55'		50	11,100					
08-00770-05331		R0.1		3°	3				0.71		2°04'	50	10,100				
08-00770-05332			5		0.92				2°27'		50	10,100					
08-00770-05333			8		1.24				2°40'		50	11,100					
08-00770-05334			10		1.45				2°44'		50	11,100					
08-00770-05335			12		1.66				2°46'		50	11,100					
08-00770-05351			5°	3	0.85				3°27'		50	10,100					
08-00770-05352	5			1.2	4°05'	50	10,100										
08-00770-05353	8			1.73	4°26'	50	11,100										
08-00770-05354	10			2.08	4°33'	50	11,100										
08-00770-08211	0.8			R0.05	1°	5	0.92	0.65	1.6	12°	0°41'	4	50	9,700			
08-00770-08212		8	1.03			0°48'	50				10,100						
08-00770-08231		3°	5		1.16	2°04'	50				10,500						
08-00770-08232			8		1.48	2°25'	50				10,900						
08-00770-08311		R0.1	1°	5	0.92	0°42'	50				9,700						
08-00770-08312				8	1.03	0°49'	50				10,100						
08-00770-08331			3°	5	1.16	2°05'	50				10,500						
08-00770-08332				8	1.48	2°26'	50				10,900						
08-00770-08411		R0.2	1°	5	0.92	0°43'	50				9,700						
08-00770-08412				8	1.03	0°49'	50				10,100						
08-00770-08431			3°	5	1.16	2°07'	50				10,500						
08-00770-08432				8	1.48	2°28'	50				10,900						
08-00770-10211		1	R0.05	1°	6	1.14	0.8				2		12°	0°40'	4	50	8,400
08-00770-10212					10	1.28								0°48'		60	8,400
08-00770-10213					15	1.46								0°52'		60	8,800
08-00770-10214					20	1.63								0°54'		60	10,000



- P** 碳素钢 Carbon Steel
- P** 合金钢 Alloy Steel
- P** 调质钢 Prehardened Steel
- H** ~52高硬度钢 HRC Hardened Steel

- M** 不锈钢 Stainless Steel

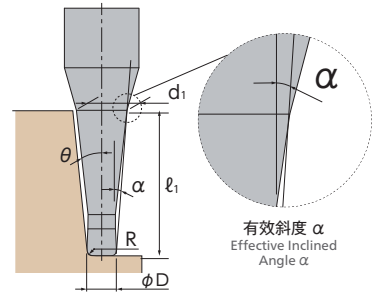
- N** 铝合金 Aluminium Alloy
- N** 铜合金 Copper
- O** 树脂 Resin

常规系列
无限涂层
长颈造型
Regular Line
MUGEN COATING
Long Neck Type

MSTNR230

无限涂层 长颈锥形圆鼻铣刀

MUGEN COATING 2-Flute Long Taper Neck Corner Radius End Mill



单位 [规格: mm / 价格: 日元]
Unit [Size: mm / Retail Price: JPY]

产品代码 Code No.	(D)外径 Dia.	(R)角半径 Corner Radius	(θ)颈角 Neck Taper Angle	(ℓ ₁)颈长 Under Neck Length	(d ₁)颈径 Neck Dia.	(ℓ)刃长 Length of Cut	(ℓ ₂)颈长2 Under Neck Length 2	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Inclined Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00770-10215	1	R0.05	1°	25	1.81	0.8	2	12°	0°55'	4	70	11,800
08-00770-10216				30	1.98				0°56'		80	12,200
08-00770-10217				35	2.16				0°56'		80	14,500
08-00770-10231			3°	6	1.42				2°01'		50	8,400
08-00770-10232				10	1.84				2°25'		60	8,400
08-00770-10311				6	1.14				0°41'		50	8,400
08-00770-10312		R0.1	1°	10	1.28				0°49'		60	8,400
08-00770-10313				15	1.46				0°52'		60	8,800
08-00770-10314				20	1.63				0°54'		60	10,000
08-00770-10315				25	1.81				0°55'		70	11,800
08-00770-10316				30	1.98				0°56'		80	12,200
08-00770-10317				35	2.16				0°57'		80	14,500
08-00770-10331		3°	6	1.42	2°02'				50		8,400	
08-00770-10332			10	1.84	2°26'				60		8,400	
08-00770-10411			6	1.14	0°41'				50		8,400	
08-00770-10412		R0.2	1°	10	1.28				0°49'		60	8,400
08-00770-10413				15	1.46				0°53'		60	8,800
08-00770-10414				20	1.63				0°55'		60	10,000
08-00770-10415				25	1.81				0°56'		70	11,800
08-00770-10416				30	1.98				0°56'		80	12,200
08-00770-10417				35	2.16				0°57'		80	14,500
08-00770-10431		3°	6	1.42	2°04'				50		8,400	
08-00770-10432			10	1.84	2°27'				60		8,400	
08-00770-10511			6	1.14	0°42'				50		8,400	
08-00770-10512	R0.3	1°	10	1.28	0°49'	60	8,400					
08-00770-10513			15	1.46	0°53'	60	8,800					
08-00770-10514			20	1.63	0°55'	60	10,000					
08-00770-10515			25	1.81	0°56'	70	11,800					
08-00770-10516			30	1.98	0°56'	80	12,200					
08-00770-10517			35	2.16	0°57'	80	14,500					
08-00770-10531	3°	6	1.42	2°06'	50	8,400						
08-00770-10532		10	1.84	2°29'	60	8,400						
08-00770-15311		1.5	R0.1	1°	10	1.75	1.2	3	12°	0°43'	4	60
08-00770-15312	15				1.92	0°49'				60		9,900
08-00770-15313	20				2.1	0°51'				60		10,800
08-00770-15314	25			2.27	0°53'	70				11,300		
08-00770-15315	30			2.45	0°54'	80				13,700		
08-00770-15331	3°			10	2.24	2°07'				60		9,000
08-00770-15332		15	2.76	2°25'	60	9,900						

订购方法
How to Order

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When you order, indicate MSTNR230 (D)×(R)×(θ)×(ℓ₁).

※(γ)为参考值。
※(γ) is reference value.



碳素钢 P
Carbon Steel

合金钢 P
Alloy Steel

调质钢 P
Prehardened Steel

高硬度钢~52 HRC H
Hardened Steel

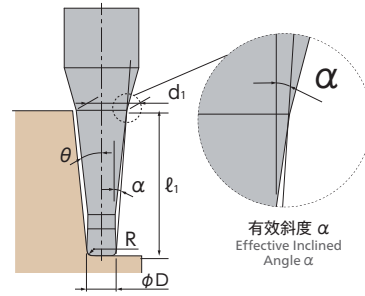
不锈钢 M
Stainless Steel

铝合金 N
Aluminium Alloy

铜合金 N
Copper

树脂 O
Resin

常规系列
无限涂层
长颈造型
Regular Line
MUGEN COATING
Long Neck Type



单位 [规格: mm / 价格: 日元]
Unit [Size : mm / Retail Price : JPY]

产品代码 Code No.	(D)外径 Dia.	(R)角半径 Corner Radius	(θ)颈角 Neck Taper Angle	(ℓ ₁)颈长 Under Neck Length	(d ₁)颈径 Neck Dia.	(ℓ)刃长 Length of Cut	(ℓ ₂)颈长2 Under Neck Length 2	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Inclined Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price			
08-00770-15411	1.5	R0.2	1°	10	1.75	1.2	3	12°	0°43'	4	60	9,000			
08-00770-15412				15	1.92				0°49'		60	9,900			
08-00770-15413				20	2.1				0°52'		60	10,800			
08-00770-15414				25	2.27				0°53'		70	11,300			
08-00770-15415				30	2.45				0°55'		80	13,700			
08-00770-15431				R0.3	3°				10		2.24	2°08'	60	9,000	
08-00770-15432		15	2.76						2°26'		60	9,900			
08-00770-15511		1°	10						1.75		0°43'	60	9,000		
08-00770-15512			15						1.92		0°49'	60	9,900		
08-00770-15513			20						2.1		0°52'	60	10,800		
08-00770-15514			25						2.27		0°53'	70	11,300		
08-00770-15515			30						2.45		0°55'	80	13,700		
08-00770-15531			3°						10		2.24	2°10'	60	9,000	
08-00770-15532		15		2.76	2°27'				60		9,900				
08-00770-20311	2	R0.1	1°	15	2.39	1.6	4	12°	0°44'	4	60	9,000			
08-00770-20312				20	2.56				0°48'		60	9,000			
08-00770-20313				25	2.74				0°50'		70	10,700			
08-00770-20314				30	2.91				0°52'		80	12,100			
08-00770-20315				40	3.26				0°54'		80	16,200			
08-00770-20316				50	3.61				0°55'		100	18,000			
08-00770-20331			3°	1°	15				3.16		2°13'	60	9,000		
08-00770-20332					20				3.68		2°25'	60	9,000		
08-00770-20411					R0.2				1°		15	2.39	0°44'	60	9,000
08-00770-20412											20	2.56	0°49'	60	9,000
08-00770-20413		25	2.74	0°51'							70	10,700			
08-00770-20414		30	2.91	0°52'							80	12,100			
08-00770-20415		40	3.26	0°54'							80	16,200			
08-00770-20416		50	3.61	0°55'							100	18,000			
08-00770-20431		3°	1°	15							3.16	2°14'	60	9,000	
08-00770-20432				20							3.68	2°25'	60	9,000	
08-00770-20511		R0.3	1°	15	2.39				0°45'		60	9,000			
08-00770-20512				20	2.56				0°49'		60	9,000			
08-00770-20513				25	2.74				0°51'		70	10,700			
08-00770-20514				30	2.91				0°53'		80	12,100			
08-00770-20515				40	3.26				0°55'		80	16,200			
08-00770-20516				50	3.61				0°56'		100	18,000			
08-00770-20531				3°	1°				15		3.16	2°15'	60	9,000	
08-00770-20532									20		3.68	2°26'	60	9,000	



- P 碳素钢 Carbon Steel
- P 合金钢 Alloy Steel
- P 调质钢 Prehardened Steel
- H ~52高硬度钢 HRC Hardened Steel



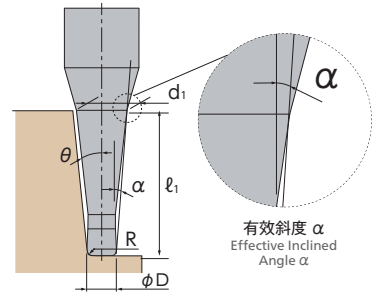
- N 铝合金 Aluminium Alloy
- N 铜合金 Copper
- O 树脂 Resin

常规系列
无限涂层
长颈造型
Regular Line
MUGEN COATING
Long Neck Type

MSTNR230

无限涂层 长颈锥形圆鼻铣刀

MUGEN COATING 2-Flute Long Taper Neck Corner Radius End Mill



单位 [规格: mm / 价格: 日元]
Unit [Size : mm / Retail Price : JPY]

产品代码 Code No.	(D)外径 Dia.	(R)角半径 Corner Radius	(θ)颈角 Neck Taper Angle	(ℓ1)颈长 Under Neck Length	(d1)颈径 Neck Dia.	(ℓ)刃长 Length of Cut	(ℓ2)颈长2 Under Neck Length 2	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Inclined Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price						
08-00770-20611	2	R0.5	1°	15	2.39	1.6	4	12°	0°46'	4	60	9,000						
08-00770-20612				20	2.56				0°49'		60	9,000						
08-00770-20613				25	2.74				0°52'		70	10,700						
08-00770-20614				30	2.91				0°53'		80	12,100						
08-00770-20615				40	3.26				0°55'		80	16,200						
08-00770-20616			50	3.61	0°56'				100		18,000							
08-00770-20631			3°	15	3.16				2°17'		60	9,000						
08-00770-20632				20	3.68				2°28'		60	9,000						
08-00770-30411				3	R0.2				1°		15	3.32	2.5	6	12°	6	60	14,100
08-00770-30412											20	3.49					0°43'	60
08-00770-30413	30	3.84				0°49'	80	14,100										
08-00770-30414	40	4.19	0°51'			80	15,200											
08-00770-30415	50	4.54	0°53'			100	17,600											
08-00770-30416	60	4.89	0°54'			110	18,800											
08-00770-30611	R0.5	1°	15			3.32	0°37'	60	14,100									
08-00770-30612			20			3.49	0°43'	60	14,100									
08-00770-30613			30			3.84	0°49'	80	14,100									
08-00770-30614			40			4.19	0°52'	80	15,200									
08-00770-30615			50	4.54	0°53'	100	17,600											
08-00770-30616			60	4.89	0°55'	110	18,800											

订购方法 How to Order

请指定MSTNR230 外径(D)×角半径(R)×颈角(θ)×颈长(ℓ1)。
When you order, indicate MSTNR230 (D)×(R)×(θ)×(ℓ1).

※(γ)为参考值。
※(γ) is reference value.

圆鼻
Corner Radius

锥颈
Taper Neck

涂层
Coating

涂层
Coating

碳素钢 P
Carbon Steel

合金钢 P
Alloy Steel

调质钢 P
Prehardened Steel

高硬度钢~52 HRC H
Hardened Steel

不锈钢 M
Stainless Steel

铝合金 N
Aluminium Alloy

铜合金 N
Copper

树脂 O
Resin

常规系列
无限涂层
长颈造型
Regular Line
MUGEN COATING
Long Neck Type