

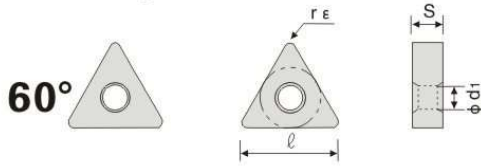
车削刀片(负前角型) Turning insert (negative)



TN□□

三角形有孔 Triangle with hole 负前角 Negative

TNMG 16 04 04- □□



切削刃长度(l) Cutting edge length 厚度(S) Thickness 刀尖圆弧半径(r_E) Corner arc radius 断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
ϕd_1 (mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P		M		K									
		L	ϕ I.C	S	ϕd	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028	
	TNMG110404-HQ	11	6.35	4.76	2.26	0.4	○	○												
	TNMG110408-HQ	11	6.35	4.76	2.26	0.8	○	○												
	TNMG160404-HQ	16.5	9.525	4.76	3.81	0.4	▲	▲												
	TNMG160408-HQ	16.5	9.525	4.76	3.81	0.8	▲	▲												
	TNMG160412-HQ	16.5	9.525	4.76	3.81	1.2	○	○												
	TNMG110404-HQ	11	6.35	4.76	2.26	0.4					▲									
	TNMG110408-HQ	11	6.35	4.76	2.26	0.8					▲									
	TNMG160404-HQ	16.5	9.525	4.76	3.81	0.4					▲									
	TNMG160408-HQ	16.5	9.525	4.76	3.81	0.8					▲									
	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4					▲									
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8					▲									
	TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2					○									
	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4	▲	▲												
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8	▲	▲												
	TNMG160412-CQ	16.5	9.525	4.76	3.81	1.2	○	○												
	TNMG220408-CQ	22	12.7	4.76	5.16	0.8	○	○												
	TNMG220412-CQ	22	12.7	4.76	5.16	1.2	○	○												
	TNMG160404-CQ	16.5	9.525	4.76	3.81	0.4					▲									
	TNMG160408-CQ	16.5	9.525	4.76	3.81	0.8					▲									

精加工-半精加工
Finishing - Semi finishing

产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order

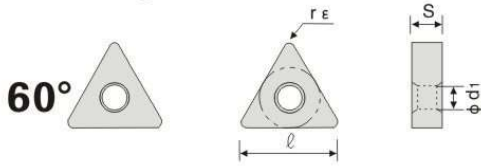
车削刀片(负前角型) Turning insert (negative)



TN□□

三角形有孔 Triangle with hole
负前角 Negative

TNMG 16 04 04- □□



切削刃长度(l) Cutting edge length
厚度(S) Thickness
刀尖圆弧半径(r_E) Corner arc radius
断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
ϕd_1 (mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P		M			K								
		L	ϕ I.C	S	ϕd	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028	
	TNMG160404-TM	16.5	9.525	4.76	3.81	0.4	▲	▲												
	TNMG160408-TM	16.5	9.525	4.76	3.81	0.8	▲	▲												
	TNMG160412-TM	16.5	9.525	4.76	3.81	1.2	▲	▲												
	TNMG220408-TM	22	12.7	4.76	5.16	0.8	○	○												
	TNMG220412-TM	22	12.7	4.76	5.16	1.2	○	○												
	TNMG220416-TM	22	12.7	4.76	5.16	1.6	○	○												
	TNMG160404-TM	16.5	9.525	4.76	3.81	0.4					▲									
	TNMG160408-TM	16.5	9.525	4.76	3.81	0.8					▲									
	TNMG160404-CM	16.5	9.53	4.76	3.81	0.4	▲	▲												
	TNMG160408-CM	16.5	9.53	4.76	3.81	0.8	▲	▲												
	TNMG160412-CM	16.5	9.53	4.76	3.81	1.2	▲	▲												
	TNMG160404-CM	16.5	9.53	4.76	3.81	0.4					▲									
	TNMG160408-CM	16.5	9.53	4.76	3.81	0.8					▲									
	TNMG160412-CM	16.5	9.53	4.76	3.81	1.2					○									
	TNMG160404R-S	16.5	9.525	4.76	3.81	0.4	▲	▲												
	TNMG160404L-S	16.5	9.525	4.76	3.81	0.4	▲	▲												
	TNMG160408R-S	16.5	9.525	4.76	3.81	0.8	▲	▲												
	TNMG160408L-S	16.5	9.525	4.76	3.81	0.8	▲	▲												
	TNMG220404R-S	22	12.7	4.76	5.16	0.4	○	○												
	TNMG220404L-S	22	12.7	4.76	5.16	0.4	○	○												
	TNMG220408R-S	22	12.7	4.76	5.16	0.8	○	○												
	TNMG220408L-S	22	12.7	4.76	5.16	0.8	○	○												

半精切削
Semi finishing

产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order



车削刀片(负前角型) Turning insert (negative)



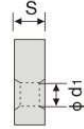
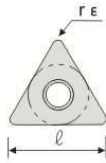
TN□□

三角形有孔 Triangle with hole 负前角 Negative

TNMG 16 04 04-


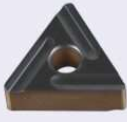




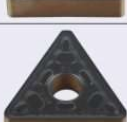










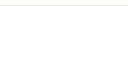


60°



切削刃长度(ℓ) Cutting edge length 厚度(S) Thickness 刀尖圆弧半径(r_ϵ) Corner arc radius 断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
φd1(mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P		M		K									
		L	φ I.C	S	φ d	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028	
半精切削 Semi finishing	 TNMG160404R-S	16.5	9.525	4.76	3.81	0.4				▲										
	 TNMG160408R-S	16.5	9.525	4.76	3.81	0.8				▲										
	 TNMG160412R-S	16.5	9.525	4.76	3.81	1.2				▲										
	 TNMG160404L-S	16.5	9.525	4.76	3.81	0.4				▲										
	 TNMG160408L-S	16.5	9.525	4.76	3.81	0.8				▲										
	 TNMG160412L-S	16.5	9.525	4.76	3.81	1.2				▲										
	 TNMG160404R-S	16.5	9.525	4.76	3.81	0.4					▲									
	 TNMG160408R-S	16.5	9.525	4.76	3.81	0.8					▲									
	 TNMG160412R-S	16.5	9.525	4.76	3.81	1.2					▲									
半精加工 Semi finishing	 TNMG160404-PM	16.5	9.525	4.76	3.81	0.4	▲	▲												
	 TNMG160408-PM	16.5	9.525	4.76	3.81	0.8	▲	▲												
	 TNMG160412-PM	16.5	9.525	4.76	3.81	1.2	▲	▲												
	 TNMG220408-PM	22	12.7	4.76	5.16	0.8	▲	▲												
	 TNMG220412-PM	22	12.7	4.76	5.16	1.2	▲	▲												
	 TNMG160408-PM	16.5	9.525	4.76	3.81	0.8				▲										
	TNMG160412-PM	16.5	9.525	4.76	3.81	1.2				▲										
	TNMG220408-PM	22	12.7	4.76	5.16	0.8				▲										
	TNMG220412-PM	22	12.7	4.76	5.16	1.2				▲										
中等切削 Moderate	 TNMG160404-PR	16.5	9.525	4.76	3.81	0.4	▲	▲												
	 TNMG160408-PR	16.5	9.525	4.76	3.81	0.8	▲	▲												
	 TNMG160412-PR	16.5	9.525	4.76	3.81	1.2	▲	▲												

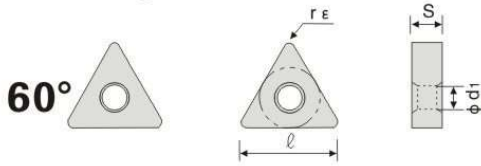
产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order

车削刀片(负前角型) Turning insert (negative)



TN□□

三角形有孔 Triangle with hole 负前角 Negative



TNMG 16 04 04-

切割刃长度(ℓ) Cutting edge length 厚度(S) Thickness 刀尖圆弧半径(r_E) Corner arc radius 断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
ϕd_1 (mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P					M		K					
		L	ϕ I.C	S	ϕ d	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028
	TNMG160404-MQ	16.5	9.53	4.76	3.81	0.4							▲						
	TNMG160408-MQ	16.5	9.53	4.76	3.81	0.8							▲						
	TNMG160412-MQ	16.5	9.53	4.76	3.81	1.2							▲						
	TNMG160404-MQ	16.5	9.53	4.76	3.81	0.4										▲			
	TNMG160408-MQ	16.5	9.53	4.76	3.81	0.8										▲			
	TNMG160404-HA	16.5	9.525	4.76	3.81	0.4						▲	▲						
	TNMG160408-HA	16.5	9.525	4.76	3.81	0.8						▲	▲						
	TNMG160412-HA	16.5	9.525	4.76	3.81	1.2						▲	▲						
	TNMG160404-HA	16.5	9.525	4.76	3.81	0.4										▲			
	TNMG160408-HA	16.5	9.525	4.76	3.81	0.8										▲			
	TNMG160404-GS	16.5	9.525	4.76	3.81	0.4						▲	▲						
	TNMG160408-GS	16.5	9.525	4.76	3.81	0.8						▲	▲						
	TNMG160412-GS	16.5	9.525	4.76	3.81	1.2						▲	▲						
	TNMG160404-HS	16.5	9.525	4.76	3.81	0.4						▲	▲						
	TNMG160408-HS	16.5	9.525	4.76	3.81	0.8						▲	▲						
	TNMG160412-HS	16.5	9.525	4.76	3.81	1.2						▲	▲						
	TNMG220408-HS	22	12.7	4.76	5.16	0.8						○	○						
	TNMG220412-HS	22	12.7	4.76	5.16	1.2						○	○						
	TNMG160404-HS	16.5	9.525	4.76	3.81	0.4										▲			
	TNMG160408-HS	16.5	9.525	4.76	3.81	0.8										▲			

产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order

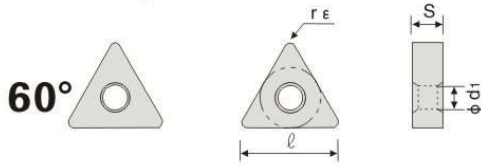
车削刀片(负前角型) Turning insert (negative)



TN□□

三角形有孔 Triangle with hole 负前角 Negative

TNMG 16 04 04-



切削刃长度(ℓ) Cutting edge length 厚度(S) Thickness 刀尖圆弧半径(r_E) Corner arc radius 断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
ϕd_1 (mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P		M		K										
		L	ϕ I.C	S	ϕ d	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028		
Semi finishing	TNMG160404R-S	16.5	9.525	4.76	3.81	0.4											▲				
	TNMG160408R-S	16.5	9.525	4.76	3.81	0.8											▲				
	TNMG160404L-S	16.5	9.525	4.76	3.81	0.4											▲				
	TNMG160408L-S	16.5	9.525	4.76	3.81	0.8											▲				
Moderate	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4						▲	▲								
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8						▲	▲								
	TNMG160412-MA	16.5	9.525	4.76	3.81	1.2						▲	▲								
	TNMG160416-MA	16.5	9.525	4.76	3.81	1.6						○	○								
	TNMG220408-MA	22	12.7	4.76	5.16	0.8						○	○								
	TNMG220412-MA	22	12.7	4.76	5.16	1.2						○	○								
	TNMG220416-MA	22	12.7	4.76	5.16	1.6						○	○								
	TNMG270608-MA	27.5	15.9	6.35	6.35	0.8						○	○								
	TNMG270612-MA	27.5	15.9	6.35	6.35	1.2						○	○								
	TNMG160404-MA	16.5	9.525	4.76	3.81	0.4													▲		
	TNMG160408-MA	16.5	9.525	4.76	3.81	0.8													▲		
		TNMG160404-MA	16.5	9.525	4.76	3.81	0.4													▲	
		TNMG160408-MA	16.5	9.525	4.76	3.81	0.8													▲	
		TNMG160412-MA	16.5	9.525	4.76	3.81	1.2														
		TNMG160416-MA	16.5	9.525	4.76	3.81	1.6						○	○							
		TNMG220408-MA	22	12.7	4.76	5.16	0.8						○	○							
TNMG220412-MA		22	12.7	4.76	5.16	1.2						○	○								
TNMG220416-MA		22	12.7	4.76	5.16	1.6						○	○								
TNMG270608-MA		27.5	15.9	6.35	6.35	0.8						○	○								
TNMG270612-MA		27.5	15.9	6.35	6.35	1.2						○	○								
TNMG160404-MA		16.5	9.525	4.76	3.81	0.4														▲	
TNMG160408-MA	16.5	9.525	4.76	3.81	0.8														▲		

产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order

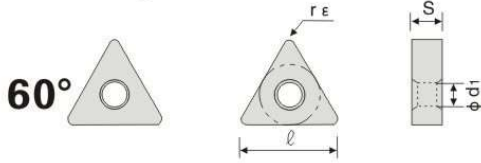
车削刀片(负前角型) Turning insert (negative)



TN□□

三角形有孔 Triangle with hole 负前角 Negative

TNMG 16 04 04- □□



切削刃长度 (l) Cutting edge length 厚度(S) Thickness 刀尖圆弧半径 (r_E) Corner arc radius 断屑槽代号 Chip breaker code

TN□□	1103□□	1603□□	1604□□	2204□□
φ d1 (mm)	2.26	3.81	3.81	5.16

刀片外形 Insert appearance	型号 Model	尺寸 Dimension					P			M			K						
		L	φ I.C	S	φ d	r	LF9008	LF9018	LF9028	LF9218	LF9118	LF918	LF6008	LF6018	LF6028	LF6118	LF618	LF3018	LF3028
	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4												▲	
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8												▲	
	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4												▲	
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8												▲	
	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4						▲	▲						
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8						▲	▲						
	TNMG160412-MS	16.5	9.525	4.76	3.81	1.2						▲	▲						
	TNMG220408-MS	22	12.7	4.76	5.16	0.8						○	○						
	TNMG220412-MS	22	12.7	4.76	5.16	1.2						○	○						
	TNMG160404-JMS	16.5	9.53	4.76	3.81	0.4								▲				▲	
	TNMG160408-JMS	16.5	9.53	4.76	3.81	0.8								▲				▲	
	TNMG160412-JMS	16.5	9.53	4.76	3.81	1.2								▲				▲	
	TNMG160404-JMS	16.5	9.53	4.76	3.81	0.4												▲	
	TNMG160408-JMS	16.5	9.53	4.76	3.81	0.8												▲	
	TNMG160404-MS	16.5	9.525	4.76	3.81	0.4												▲	
	TNMG160408-MS	16.5	9.525	4.76	3.81	0.8												▲	
	TNMG160412-MS	16.5	9.525	4.76	3.81	1.2												▲	
	TNMG220408-MS	22	12.7	4.76	5.16	0.8												▲	
	TNMG220412-MS	22	12.7	4.76	5.16	1.2												▲	
	TNMG160404	16.5	9.525	4.76	3.81	0.4												▲	
	TNMG160408	16.5	9.525	4.76	3.81	0.8												▲	
	TNMG160412	16.5	9.525	4.76	3.81	1.2												▲	
	TNMG220408	22	12.7	4.76	5.16	0.8												▲	
	TNMG220412	22	12.7	4.76	5.16	1.2												▲	

中等切削
Moderate

产品库存 Product stock ▲ 主推牌号备库存 Main grade reserve stock ○ 按订单生产 Make-to-order