

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS



FIG-1

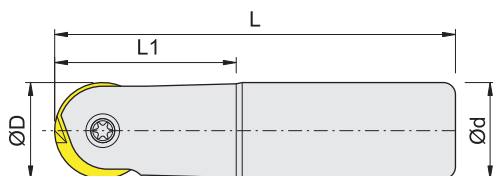


FIG-2

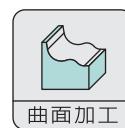
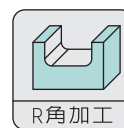
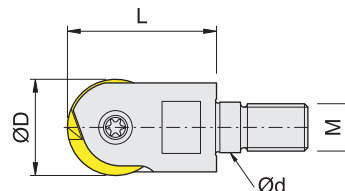


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
WGR08-S08-100	8	8	100	20	1	WGRMT-D08	MGR3008	ETF08	0.04
WGR08-S10-100	8	10	100	35	1				0.06
WGR10-S10-100	10	10	100	25	1	WGRMT-D10	MGR4010	ETL15	0.06
WGR10-S12-150	10	12	150	36	1				0.13
WGR12-S12-150	12	12	150	32	1	WGRMT-D12	MGR5012	ETL20	0.13
WGR12-S16-200	12	16	200	58	1				0.32
WGR16-S16-150	16	16	150	36	1	WGRMT-D16	MGR5016	ETL20	0.24
WGR16-S16-200	16	16	200	36	1				0.32
WGR16-S20-200	16	20	200	65	1				0.49
WGR20-S20-150	20	20	150	45	1	WGRMT-D20	MGR5020	ETL20	0.37
WGR20-S20-200	20	20	200	45	1				0.49
WGR20-S25-200	20	25	200	76	1	WGRMT-D25	MGR6025	ETL30	0.77
WGR20-S25-250	20	25	250	76	1				0.96
WGR25-S25-200	25	25	200	45	1	WGRMT-D25	MGR6025	ETL30	0.77
WGR25-S25-250	25	25	250	45	1				0.96
WGR25-S32-200	25	32	200	98	1	WGRMT-D30	MGR8030	ETL30	1.26
WGR25-S32-250	25	32	250	98	1				1.58
WGR25-S32-300	25	32	300	98	1				1.89
WGR30-S32-200	30	32	200	50	1	WGRMT-D30 (WGRMT-D32)	MGR8030	ETL30	1.26
WGR30-S32-250	30	32	250	50	1				1.58
WGR30-S32-300	30	32	300	50	1				1.89

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
WGR08-MD08	8	4.5	16	M4	1	WGRMT-D08	MGR3008	ETF08	0.02
WGR08-MD08-M05	8	5.5	16	M5	1				0.02
WGR10-MD10	10	5.5	20	M5	1	WGRMT-D10	MGR4010	ETL15	0.02
WGR12-MD11	12	6.5	22	M6	1				0.03
WGR12-MD14	12	8.5	30	M8	1	WGRMT-D12	MGR5012	ETL20	0.03
WGR16-MD14	16	8.5	28	M8	1				0.03
WGR16-MD14	16	8.5	28	M8	1	WGRMT-D16	MGR5016	ETL20	0.04
WGR20-MD18	20	10.5	30	M10	1	WGRMT-D20	MGR5020	ETL20	0.07
WGR25-MD23	25	12.5	40	M12	1	WGRMT-D25	MGR6025	ETL30	0.12
WGR30-MD29	30	17	43	M16	1	WGRMT-D30 (WGRMT-D32)	MGR8030	ETL30	0.24



FIG-1

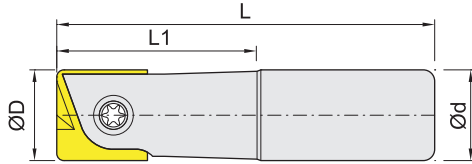


FIG-2

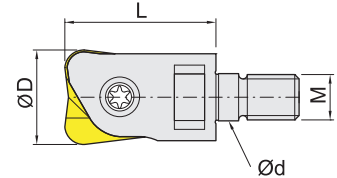
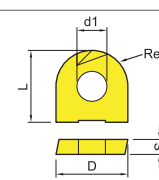
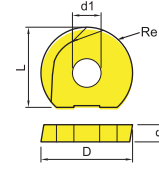
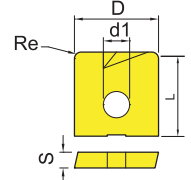


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
GWV12-S12-150	12	12	150	30	1	WPV 12-N-Slst	MGR5012	ETL20	0.13
GWV16-S16-150	16	16	150	35	1	WPV 16-N-Slst	MGR5016	ETL20	0.24
GWV16-S16-200	16	16	200	35	1				0.32
GWV20-S20-150	20	20	150	40	1	WPV 20-N-Slst	MGR5020	ETL20	0.37
GWV20-S20-200	20	20	200	40	1				0.49

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
GWV20-MD18	20	10.5	30	M10	1	WPV 20-N-Slst	MGR5020	ETL20	0.07
GWV25-MD23	25	12.5	40	M12	1	WPV 25-N-Slst	MGR6025	ETL30	0.15

被切削材 Workpiece material	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	●

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層		D ⁺⁰ _{-0.03}	S	d1	L	Re
		GA45						
	WGRMT-D08-FR	●		8	2.0	3	9.5	4.0
	WGRMT-D10-FR	●		10	2.5	4	11.5	5.0
	WGRMT-D12-FR	●		12	2.5	5	12.0	6.0
	WGRMT-D16-FR	●		16	3.0	5	14.0	8.0
	WGRMT-D20-FR	●		20	3.0	5	16.0	10.0
	WGRMT-D25-FR	●		25	4.0	6	21.5	12.5
	WGRMT-D30-FR	●		30	5.0	8	25.0	15.0
	WGRMT-D32-FR	○		32	5.0	8	26.0	16.0
	WPV 12-N-Slst	●		12	2.5	5	14.0	1.0
	WPV 16-N-Slst	●		16	3.0	5	16.0	1.0
	WPV 20-N-Slst	●		20	3.0	5	18.0	1.6
	WPV 25-N-Slst	●		25	4.0	6	23.5	2.0

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS