



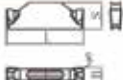
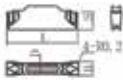



The basic shape of inserts	Type	Dimension (mm)					Grade recommended						
		B	R	L	D _h	S	DC coating grade		PVD coating grade		Uncoated grade		
							LC233	LC371	LP108	LP256	LP336	LC1010	LC1020
	MGNH	200-LH	2	0.2	16	1.5	3.5			★		★	
		300-LH	3	0.2	21	2.35	4.8			★		★	
		400-LH	4	0.3	21	3.5	4.8			★		★	
		500-LH	5	0.3	25.86	4.12	5.8			★		★	
		600-LH	6	0.4	26	5	5.8			★		★	
	MGNL	200-L	2	0.2	16	1.2	3.5	★		★			
		250-L	2.5	0.2	16	1.6	3.5	★		★			
		300-L	3	0.3	21	2.35	4.8	★		★			
		400-L	4	0.3	21	3.3	4.8	★		★			
		500-L	5	0.3	26	4.1	5.8	★		★			
	MGNH	200-H	2	0.2	16	1.2	3.5	★		★			
		250-H	2.5	0.2	18.5	2	3.85	★		★			
		300-H	3	0.3	21	2.35	4.8	★		★			
		400-H	4	0.3	21	3.3	4.8	★		★			
		500-H	5	0.3	26	4.1	5.8	★		★			
	MGNBD	200-BD	2	0.2	16	6"	3.5	★		★			
		250-BD	2.5	0.2	18.5	6"	3.85	★		★			
		300-BD	3	0.4	21	6"	4.8	★		★			
		400-BD	4	0.4	21	6"	4.8	★		★			
		500-BD	5	0.4	26	6"	5.8	★		★			
	MGNBD30	200-30D	2	0.2	16	30"	3.5	★		★			
		250-30D	2.5	0.2	18.5	30"	3.85	★		★			
		300-30D	3	0.4	21	30"	4.8	★		★			
		400-30D	4	0.4	21	30"	4.8	★		★			
		500-30D	5	0.4	26	30"	5.8	★		★			

The basic shape of inserts	Type	Dimension (mm)					Grade recommended					
		B	R	L	D	S	DC coating grade		PVD coating grade		Uncoated grade	
							LC233	LC371	LP108	LP206	LP336	LC1010
	TDJ2	2	0.2	20	1.7	3.9	★		★			
	TDJ3	3	0.2	20	2.4	4	★		★			
	TDJ4	4	0.3	19.78	3	4.05	★		★			
	TDJ5	5	0.3	25	4	4.89	☆		☆			
	TDJ2	2	0.2	20	1.7	3.94	★		★			
	TDC2	2	0.2	20	1.7	3.94	★		★			
	TDC3	3	0.2	20	2.4	4	★		★			
	TDC4	4	0.3	20	3	4.03	★		★			
	TDC5	5	0.3	25	4	4.89	★		★			
	TDC2	2	0.2	20	1.7	3.9	★		★			
	TD72	2	0.2	20	1.7	3.9	★		★			
	TD73	3	0.2	20	2.4	4	★		★			
	TD74	4	0.3	19.78	3	4.05	★		★			
	TD75	5	0.3	25	4	4.89	☆		☆			
	TD72	2	0.2	20	1.7	3.9	★		★			

The basic shape of inserts		Type		Dimension (mm)					Grade recommended					
									Coating grade		PVD coating grade		Uncoated grade	
				B	R	L	D	S	LC353	LC371	LP208	LP206	LP398	LC0810
		BP	200	2.2	9.3	0.2			*	*				
			300	3.1	11.3	0.2			*	*				
			400	4.1	11.3	0.25			*	*				
			500	5.1	11.4	0.3			*	*				
		MGNM	200-M	2	0.2	16	1.2	3.5	*	*				
			250-M	2.5	0.2	16.5	2	3.85	*	*				
			300-M	3	0.4	21	2.35	4.8	*	*				
			400-M	4	0.4	21	3.3	4.8	*	*				
			500-M	5	0.8	26	4.1	5.8	*	*				
			600-M	6	0.8	26	5	5.8	*	*				
		MGNM	150-G	1.5	0.15	16	1.2	3.5	*	*				
			200-G	2	0.2	16	1.6	3.5	*	*				
			300-G	3	0.4	21	2.35	4.8	*	*				
			400-G	4	0.4	21	3.3	4.8	*	*				
		MRMN	200-M	2	1	16	1.5	3.5	*	*				
			300-M	3	1.5	21	2.35	4.8	*	*				
			400-M	4	2	21	3.3	4.8	*	*				
			500-M	5	2.5	25.86	4.12	5.8	*	*				
			600-M	6	3	26	5	5.8	*	*				
		MGNM	200-M	2	0.2	16	1.5	3.5	*	*				
			300-M	3	0.4	21	2.35	4.8	*	*				
			400-M	4	0.4	21	3.3	4.8	*	*				
			500-M	5	0.8	25.86	4.12	5.8	*	*				
			600-M	6	0.8	26	5	5.8	*	*				
		MGNM	150-G	1.5	0.15	16	1.2	3.5	*	*				
			200-G	2	0.2	16	1.6	3.5	*	*				
			300-G	3	0.4	21	2.35	4.8	*	*				
			400-G	4	0.4	21	3.3	4.8	*	*				

The basic shape of inserts	Type	Dimension (mm)					Grade recommended						
		B	R	L	D	S	CG coating grade		PVD coating grade		Uncoated grade		
							LC253	LC371	LP708	LP706	LP708	LP706	LC810
	N321E2-0200-0004-BGF	2	0.4	20.6	1.83	4.44	★		★				
	N321E2-0260-0008-BGF	2.6	0.6	20.7	2	4.52	★		★				
	N321G2-0319-0008-GF	3.18	0.8	20.7	2.91	4.52	★		★				
	N321U2-0500-0004-BTF	5	0.4	25.2	4.3	4.6	★		★				
	DGN2202J	2.2	0.2	19.8	1.9	-	★		★				
	DGR_L2202J	2.2	0.2	20.8	1.84	-	★		★				
	DGR_L2202J-6D	2.2	0.2	20.6	1.84	6	★		★				
	DGR_L2200US-6D	2.2	0.02	20.3	1.84	6	★		★				
	DGR_L2200US-15D	2.2	0.02	20.3	1.84	15	★		★				
	DGN3102C	3.1	0.2	20	2.4	-	★		★				
	MGME	400-F	4	0.2	25.35	3.23	5.71	★		★			

The basic shape of inserts	Type	Dimension (mm)							Grade recommended					
		ΦLC	S	Φd	B	W	RC	DC coating grade		PVD coating grade		Uncoated grade		
								LC233	LC371	LP208	LP706	LP308	LC810	LC820
	TGF3RHL	-033-005	9.525	3.18	4.4	0.8	0.33	0.05			★		★	
		-050-005	9.525	3.18	4.4	1.2	0.50	0.05			★		★	
		-065-010	9.525	3.18	4.4	2.0	0.85	0.10			★		★	
		-075-010	9.525	3.18	4.4	2.0	0.75	0.10			★		★	
		-100-010	9.525	3.18	4.4	2.0	1.00	0.10			★		★	
		-120-010	9.525	3.18	4.4	2.0	1.20	0.10			★		★	
		-125-010	9.525	3.18	4.4	2.0	1.25	0.10			★		★	
		-150-010	9.525	3.18	4.4	2.0	1.50	0.10			★		★	
		-175-010	9.525	3.18	4.4	2.0	1.75	0.10			★		★	
		-200-010	9.525	3.18	4.4	2.0	2.00	0.10			★		★	
	TGF3RHL	-075-C010	9.525	3.18	4.4	2.0	0.75	C0.1			★		★	
		-100-C010	9.525	3.18	4.4	2.0	1.00	C0.1			★		★	
		-120-C010	9.525	3.18	4.4	2.0	1.20	C0.1			★		★	
		-125-C010	9.525	3.18	4.4	2.0	1.25	C0.1			★		★	
		-150-C010	9.525	3.18	4.4	2.0	1.50	C0.1			★		★	
		-175-C010	9.525	3.18	4.4	2.0	1.75	C0.1			★		★	
		-200-C010	9.525	3.18	4.4	2.0	2.00	C0.1			★		★	

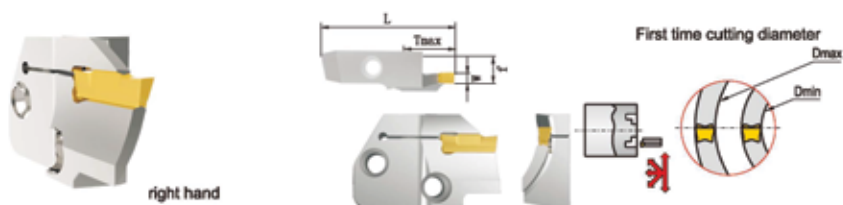
The basic shape of inserts	Type	Dimension (mm)										Grade recommended					
		最大切削速度	S	W	D	H	α	k	R	DC coating grade		PVD coating grade		Uncoated grade			
										LC233	LC371	LP208	LP706	LP308	LC810	LC820	
	NGP09L	-050-15-00	5	3.0	0.50	4.4	8.0	15°	0°	0.05			★		★		
		-070-15-00	8	3.0	0.70	4.4	8.0	15°	0°	0.05			★		★		
		-100-15-00		3.0	1.00	4.4	8.0	15°	0°	0.05			★		★		
		-125-15-00	12	3.0	1.25	4.4	8.0	15°	0°	0.05			★		★		
		-150-15-00		3.0	1.50	4.4	8.0	15°	0°	0.05			★		★		
		-175-15-00		3.0	1.75	4.4	8.0	15°	0°	0.05			★		★		
		-200-15-00		3.0	2.00	4.4	8.0	15°	0°	0.05			★		★		
	NGP09L	-050-15-08	5	3.0	0.50	4.4	8.0	15°	8°	0.05			★		★		
		-070-15-08	8	3.0	0.70	4.4	8.0	15°	8°	0.05			★		★		
		-100-15-08		3.0	1.00	4.4	8.0	15°	8°	0.05			★		★		
		-125-15-08	12	3.0	1.25	4.4	8.0	15°	8°	0.05			★		★		
		-150-15-08		3.0	1.50	4.4	8.0	15°	8°	0.05			★		★		
		-175-15-08		3.0	1.75	4.4	8.0	15°	8°	0.05			★		★		
		-200-15-08		3.0	2.00	4.4	8.0	15°	8°	0.05			★		★		

Insert shape	Type	Dimension (mm)					Material recommended									
							CVD coating grade			PVD coating grade			Uncoating grade			
		B	R	L	D	S	LLC12	LCC321	LLC411	LLP108	LLP058	LLP268	LLP258	LCP308	LCU10	LCU10
	GRIP300-M	3	0.30	19	2.1	5.4									☆	★
	GRIP400-M	4	0.40	18.93	2.85	5.85	★	☆		★	★	★	★	☆		
	GRIP500-M	5	0.40	19	3.4	5.75		☆	★	☆		★	★	☆		

Application		LCC321	LLC411	LLP058	LCP208	LCP308	LCU10
	P-steel	★	★	★	★	☆	
	M:stainless steel		☆	★	★	★	
	K:cast iron		★		☆		★
N:non-ferrous metal							★

★ Recommended grade and always stock available

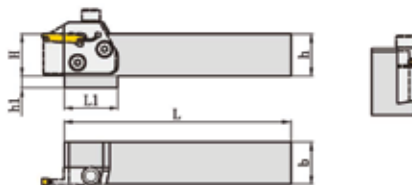
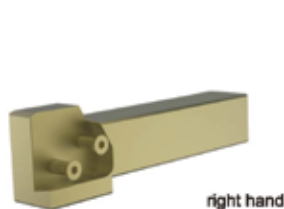
☆ Recommended grade and produce according to order



cutter head left hand	size					Parts Inserts	Fit cutter body
	W	Tmax	L	Dmin~Dmax	F		
GDRL300025-12BG	3	12	48	25~30	10.3	GRIP300--	GDCLR GDYLR
GDRL300030-12BG		12	48	30~40			
GDRL300040-12BG		12	48	40~65			
GDRL300065-20BG		20	56	65~115			
GDRL300115-20BG		20	56	115~400			
GDRL400025-12BG	4	12	48	25~31	10.4	GRIP400--	GDCLR GDYLR
GDRL400031-12BG		12	48	31~44			
GDRL400044-16BG		16	52	44~58			
GDRL400058-16BG		16	52	58~88			
GDRL400088-16BG		16	52	88~175			
GDRL400175-22BG	5	22	58	175~800	10.5	GRIP500--	GDCLR GDYLR
GDRL500040-16BG		16	52	40~50			
GDRL500050-16BG		16	52	50~75			
GDRL500075-16BG		16	52	75~110			
GDRL500110-16BG		16	52	110~200			
GDRL500200-22BG		22	58	200~800			

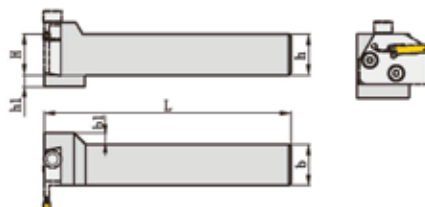
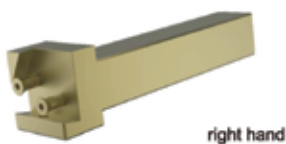
Block-based grooving holder

Vertical holder body (0°)



Type		size						Screw	Wrench	Fit cutter body
Left hand	right hand	h	b	H	L	L1	h1	SIC060160	LT25	GDILR GDALR
GDXL2020K	GDXR2020K	20	20	20	110	32	12			
GDXL2525M	GDXR2525M	25	25	25	135	32	7			
GDXL3225P	GDXR3225P	32	25	32	155	32	-			
GDXL3232P	GDXR3232P	32	32	32	155	32	-			
GDXL4040R	GDXR4040R	40	40	40	185	32	-			

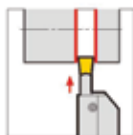
horizontal holder body (0°)






Type		size						Screw	Wrench	Fit cutter body
Left hand	right hand	h	b	H	L	b1	h1	SIC060160	LT25	GDILR GDALR
GDYL2020K	GDYR2020K	20	20	20	125	12	12			
GDYL2525M	GDYR2525M	25	25	25	150	7	7			
GDYL3225P	GDYR3225P	32	25	32	170	-	-			
GDYL3232P	GDYR3232P	32	32	32	170	-	-			
GDYL4040R	GDYR4040R	40	40	40	200	-	-			

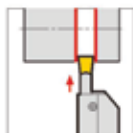
Note: the inserts head direction is in the opposite direction, for e.g.: right hand inserts should fit left head cutter body.



- ➡ Supply details: holder body is packed with spare parts, not including the cutter head and the inserts
- ➡ Order sample: GDYL4040R 1 pcs
- ➡ The cutter head and inserts need to be ordered separately



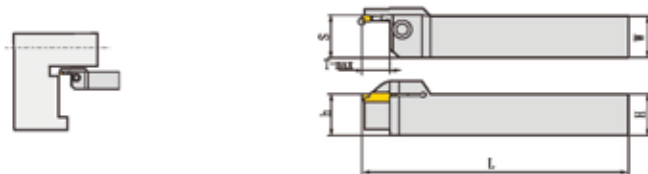
Type	Stock Item		Recommended inserts 	Application							Parts	
	R	L		External Grooving, Parting off							Screw 	Wrench 
				Φd	H	F	L	h	α°			
ZQ	1818RL-03	●	●	BP300	30	16	16	100	16	18.3	M3.5×9	T-15
	2020RL-03	●	●		38	20	20	125	20	20.3		
	2525RL-03	●	●		38	25	25	150	25	25.3		
	2020RL-04	●	●	BP400	38	20	20	125	20	20.4		
	2525RL-04	●	●		38	25	25	150	25	25.4		




IPH



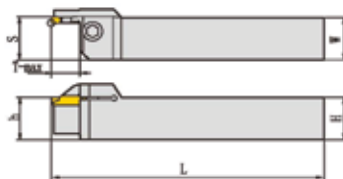
Type	Stock Item		Recommended inserts 	Application						Parts
	R	L		Parting off						Wrench 
				H(h)	W	L	Φd	F(max)		
SPH	318RL		BP300,300RL	16	16	100	32	16.3	L5.0	
	320RL		BP300,300RL	20	20	120	40	20.3		
	426RL		BP400,400RL	20	20	120	50	20.4		
	520RL		BP600,500RL	20	20	120	60	20.5		
	325RL		BP300,300RL	25	25	150	50	25.3		
	425RL		BP400,400RL	25	25	150	60	25.4		
	525RL		BP600,500RL	25	25	150	70	25.5		

● stock item ○ be preparing for stock the others can be made to order



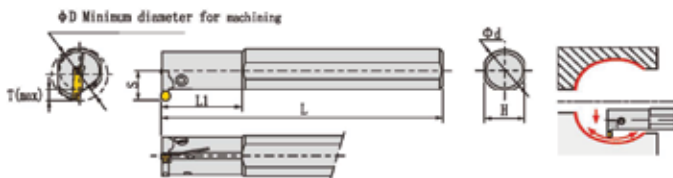
Type	Stock item		Recommended inserts 	Application					Parts	
	R	L		External Grooving, Turning					Screw 	Wrench 
				H=(f)	W	L	S	T(max)		
1616-1.5	○		MGMN150-G	16	16	100	16.25	14.5	LTX0512	L2.0
2020-1.5	○			20	20	125	20.25	14.5		
2525-1.5	○			25	25	150	25.25	14.5		
1212-2.0			MGMN200-G	12	12	100	14.25	14.5	BHA0616	L5.0
1616-2.0	○	○		16	16	100	16.25	14.5		
2020-2.0	○	○		20	20	125	20.25	14.5		
2525-2.0	○	○		25	25	150	25.25	14.5		
1616-2.5	○	○	MGMN250-G	16	16	100	16.3	16.5	MHA0512	L4.0
2020-2.5	○	○		20	20	125	20.3	16.5		
2525-2.5	○	○		25	25	150	25.3	16.5		
1616-3.0	●	●	MGMN300-M MRMN300-M	16	16	100	16.35	16.5	BHA0616	L5.0
2020-3.0	●	●		20	20	125	20.4	16		
2020-3.0-T10	●			20	20	125	20.4	10		
2525-3.0	●	●		25	25	150	25.4	16		
2525-3.0-T10	●			25	25	150	25.4	10		
3232-3.0	●	●		32	32	170	32.4	16		
3232-3.0-T10	●			32	32	170	32.4	10		
2020-4.0	●	●	MGMN400-M MRMN400-M	20	20	125	20.4	16	BHA0616	L5.0
2020-4.0-T10	●			20	20	125	20.5	10		
2525-4.0	●	●		25	25	150	25.4	16		
2525-4.0-T10	●	●		25	25	150	25.4	10		
3232-4.0	●	●		32	32	170	32.4	16		
3232-4.0-T10	●		32	32	170	32.4	10			
2020-5	○	○	MGMN500-M MRMN500-M	20	20	150	20.5	23		
2020-5-T15				20	20	150	20.5	15		
2525-5	○	○		25	25	150	25.5	23		
2525-5-T15				25	25	150	25.5	15		
3232-5	○	○		32	32	170	32.5	23		
3232-5-T15			32	32	170	32.5	15			




● stock item ○ be preparing for stock the others can be made to order



Type	Stock item		Recommended inserts 	Application					Parts	
	R	L		External Grooving, Turning					Screw 	Wrench 
				H(h)	W	L	S	T(max)		
2020 -6	<input type="radio"/>	<input type="radio"/>	MGMN600-M MRMN600-M	20	20	125	20,6	23	SHA0616	L5.0
2020 -6-T15				20	20	125	20,6	15		
2525 -6				25	25	150	25,6	23		
2525 -6-T15				25	25	150	25,6	15		
3232 -6				32	32	170	32,6	23		
3232 -6-T15				32	32	170	32,6	15		
2525 -6			MRMN800-M	25	25	150	26,1	28		
2525 -6-T15				25	25	150	26,1	15		
3232 -6				32	32	170	33,1	28		
3232 -6-T15				32	32	170	33,1	16		
2525 -6A			MRGN800-A	25	25	150	25,6	23		
2525-6A-T15				25	25	150	25,6	15		
3232 -6A				32	32	170	32,6	23		
3232-6A-T15				32	32	170	32,6	15		
2525 -8A			MNGN800-A	25	25	150	26,1	28		
2525-8A-T15				25	25	150	26,1	16		
3232 -8A				32	32	170	33,1	28		
3232-8A-T15				32	32	170	33,1	16		

● stock item ○ be preparing for stock the others can be made to order



Type	Stock Item		Recommended inserts 	Application							Parts			
	R	L		Internal Grooving, Turning							Screw 	Wrench 		
				ϕD	ϕd	L	L1	T(max)	H	S				
2020-1.5	○		MGMN150-G	20	16	125	35	4	15	11.3	MHB0310	L2.5		
2525-1.5	○			25	20	150	45	4	18	13.1	MHA0512	L4.0		
3025-1.5				29	25	200	45	4	23	16.2				
2016-2.0	○		MGMN200-G	20	16	125	35	5	15	12.4	MHB0310	L2.5		
2520-2.0	○			25	20	150	45	5	18	14	MHA0512	L4.0		
2925-2.0	○			29	25	200	45	5	23	17.2				
2016-2.5			MGMN250-G	20	16	125	35	6	15	12.5	MHB0310	L2.5		
2520-2.5	○			25	20	150	45	6	18	15.1	MHA0512	L4.0		
2925-2.5	○			29	25	200	45	6	23	18.2				
2520-3.0	●	●	MGMN300-M MRMN300-M	25	20	150	45	6	18	15.6	MHA0512	L4.0		
3125-3.0	●	●		31	25	200	45	6	25	18.9				
3732-3.0	●	●		37	32	250	65	6	30	21.5				
2520-4.0	●	●	MGMN400-M MRMN400-M	25	20	150	45	6	18	15.6				
3125-4.0	●			31	25	200	45	6	23	18.9				
3732-4.0	●			37	32	250	65	6	30	21.5				
3125-5	○		MGMN500-M MRMN500-M	31	25	200	45	8	25	19.5				
3732-5	○			37	32	250	65	8	30	21.5				
3125-6			MGMN600-M MRMN600-M	31	25	200	45	8	23	19.4				
3732-6				37	32	250	65	8	30	21.5				
3732-6			MRMN800-M	37	32	250	65	10	30	23.4				
3540-8				45	40	300	70	10	37	27.2				
3125-6A			MRGN600-A	31	25	200	45	8	23	19.4				
3732-6A				37	32	250	65	8	30	21.5				
3732-6A			MNGN800-A	37	32	250	65	10	30	23.4				
4540-6A				45	40	300	70	10	37	27.2				

● stock item ○ be preparing for stock the others can be made to order