

Gibs

Overview

L-Gibs	Material	Type			
		Dimension Selectable		Dimension Configurable	
Standard	1045 Carbon Steel or Equivalent	GRR	P.729	GRRF	P.730
	1045 Carbon Steel or Equivalent Hardened Electroless Nickel Plating (HV 500~)	GRRM	P.729	GRRMF	P.730
With Dowel Hole	CAC304 Special Solid Lubricant Embedded	GRMZ	P.729	GRMZF	P.625
	Ultra High Molecular Weight Polyethylene	GRRP	P.729	—	—
With Oil Groove	1045 Carbon Steel or Equivalent	GRRN	P.729	—	—
	1045 Carbon Steel or Equivalent Hardened Electroless Nickel Plating (HV 500~)	GRRMN	P.729	—	—
With Oil Groove	1045 Carbon Steel or Equivalent Hardened Electroless Nickel Plating (HV 500~)	GRRMG	P.729	—	—

Gibs	Material	Type	
		Dimension Selectable	Dimension Configurable
	CAC304 Special Solid Lubricant Embedded	SGRMZ	P.731

Gibs	Material	Type	
		Dimension Selectable	Dimension Configurable
	1045 Carbon Steel or Equivalent Hardened Electroless Nickel Plating (HV 500~)	SGRA SGRB SGCB	P.737

Gibs	Material	Type	
		Dimension Selectable	Dimension Configurable
	1045 Carbon Steel or Equivalent	—	SLI P.732
	1045 Carbon Steel or Equivalent Hardened Electroless Nickel Plating (HV 500~)	—	SLD P.732

Oil-Free Slide Plates	Material	Thickness (Hole Shape)	Type			
			Dimension Selectable		Dimension Configurable	
			Upper-Lower Surface Ground	Upper-Lower Surface Unground	Upper-Lower Surface Unground	Upper-Lower Surface Unground
	CAC304 Special Solid Lubricant	3 mm (Countersink)	STRLT	P.733	—	—
		5 mm (Countersink)	STRLU	P.733	UTW	P.735
		5 mm (Counterbored Hole)	STRLUP	P.733	—	GRPZ P.734
		10 mm (Counterbored Hole)	STRL	P.733	STW STWT	P.735
	Multi-Layer Plastic	1 mm 2.5 mm	—	—	GRFZ	P.736

L-Gibs

Steel / Steel Oil Groove / Oil-Free Copper Alloy / Resin

Type	Material	Surface Treatment	Hardness
Steel	1045 Carbon Steel Equivalent	—	—
Steel With Oil Groove	C86300 Bronze (JIS, HbSC4 Copper Alloy previously) Special Solid Lubricant Embedded	Hardened Electroless Nickel Plating (Plating after Grinding)	HV 500~
Oil-Free	Ultra High-Molecular-Weight Polyethylene	—	—
Plastic	—	—	—

Oil Groove Dimension

S	e	N	f	R
S=5	1.5	1.5	0.3	1.0
S=8	2.0	2.0	0.5	1.25

Oil Groove Pitch

S	5	8	10	12	15	20
P	4	8	12	16	22	32

ⓘ Hardened electroless nickel plated products may look slightly different in color from the image but the quality is the same.

Part Number	Type	B	A	S	W	T	X	Y	d ₁	d ₂	h	d ₃	l	Available Types																																																																																																																																																																																																																																																																																													
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Steel GRR GRRN (With Dowel Holes)	12.5	5	30	3.5	10	5	4.5	8	4.5	4.5	3	8	12	24	30	40	60	80	100	120*	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000																																																																																																																																																																																																																																																																					
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*3 mounting screw holes for 12.5-120-5 and 15-120-5.

Part Number Example

Part Number	A	S
GRR20	- 100 -	10
GRRMG30	- 150 -	20
GRMZ20	- 100 -	10
GRRP20	- 100 -	10

Part Number Alterations

Part Number	A	S	SC
GRR20	- 100 -	8	- SC5

Alteration	Dimension S
Code	SC
Spec.	<p>SC = 1 mm Increment Ordering Code: SC6 Ⓢ 1 ≤ SC ≤ T-2</p>

For characteristic values of Ultra High-Molecular-Weight Polyethylene, please refer to section "Standard Ultra High-Molecular-Weight Polyethylene" on P.3068.