

Gibs - Overview

L-Gibs	Material	Type			
		Dimension Selectable		Dimension Configurable	
Standard	EN 1.1191 Equiv.	GRR	P.656	GRRF	P.657
	EN 1.1191 Equiv. Hardened Electroless Nickel Plating (HV500~)	GRRM	P.656	GRRMF	P.657
	EN CC762S Equiv. Special Solid Lubricant Embedded	GRMZ	P.656	GRMZF	P.657
	Ultra High-Molecular-Weight Polyethylene	GRRP	P.656	-	-
With Dowel Holes	EN 1.1191 Equiv.	GRRN	P.656	-	-
	EN 1.1191 Equiv. Hardened Electroless Nickel Plating (HV500~)	GRRMN	P.656	-	-
With Oil Groove	EN 1.1191 Equiv. Hardened Electroless Nickel Plating (HV500~)	GRRMG	P.656	-	-

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		Dimension Selectable	Dimension Configurable
	EN CC762S Equiv. Special Solid Lubricant Embedded	SGRMZ	P.658

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		Dimension Selectable	Dimension Configurable
	EN 1.1191 Equiv. Hardened Electroless Nickel Plating (HV500~)	SGRA SGRB SGCB	P.664

Slide Blocks	Material	Type		
		Dimension Selectable	Dimension Configurable	
	EN 1.1191 Equiv.	-	SLI	P.659
	EN 1.1191 Equiv. Hardened Electroless Nickel Plating (HV500~)	-	SLD	P.659

Oil Free Slide Plates	Material	Thickness (Hole Shape)	Type			
			Dimension Selectable		Dimension Configurable	
	EN CC762S Equiv. Special Solid Lubricant Embedded	3mm (Countersunk)	STRLT	P.660	-	-
		5mm (Countersunk)	STRLU	P.660	UTW	P.662
		5mm (Counterbored)	STRLUP	P.660	-	GRPZ
		10mm (Counterbored)	STRL	P.660	STW STWT	P.662
	Multi-Layer Plastic	1mm 2.5mm	-	-	GRFZ	P.661

L-Gibs

Steel / Steel with Oil Groove / Oil Free Copper Alloy / Plastic

Steel Type

Steel Oil Groove

Lubrication-Free Copper Alloy Plastic Type

Steel

Steel With Oil Groove

Lubrication-Free Copper Alloy

Plastic

Type

Material

Surface Treatment

Hardness

Steel	GRR GRRN (With Dowel Holes)	EN 1.1191 Equiv.	Hardened	-
	GRRM GRRMN (With Dowel Holes)		Electroless Nickel Plating (Plating after Grinding)	HV500~
Steel With Oil Groove	GRRMG		Hardened Electroless Nickel Plating (Plating after Grinding)	HV500~
Lubrication-Free Copper Alloy	GRMZ	High-strength Brass Alloy Solid Lubricant Embedded	-	-
Plastic	GRRP	Ultra High-Molecular-Weight Polyethylene	-	-

A30~120

A120 (Only when B≤15)
A150~300

With Dowel Holes
A30~120

A120 (Only when B≤15)
A150~300

GRR
GRRN
GRRMG
GRRMN

GRMZ

GRRP

25 / (6.3 / 1.6 / 1/8) G

Arrow View a (GRRMG only)

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		A	S	W	T	X	Y	d1	d2	h	d3	ℓ	Unit Price							
Type	B	Select	Select										GRR	GRRN	GRRM	GRRMN	GRRMG	GRMZ	GRRP	
(Steel Type) GRR GRRN (With Dowel Holes) GRRM GRRMN (With Dowel Holes) (Steel - Oil Groove) GRRMG (Lubrication-Free Copper Alloy) GRMZ (Plastic Type) GRRP	12.5	30	5	3.5	10	5	4.5	8	4.5	4.5	3	8					-	-	-	
		40										12					-	-	-	
		60										24					-	-	-	
		80										30					-	-	-	
		100										40					-	-	-	
		120*										60					-	-	-	
	15	40	5	5	10	5	5	8	4.5	4.5	4	12								
		60										24								
		80										30								
		100										40								
		120*										60								
		150										90								-
	20	60	8 10	5	15	7	7	9.5	5.5	5.5	5	24								
		80										30								
		100										40								
		120										60								
		150										90								
		200										140								
	25	80	10 12 15	5	20	10	10	11	6.5	6.5	6	30								
		100										40								
		120										60								
		150										90								
		200										140								
		250										190								-
30	80	12 15 20	8	25	10	10	14	9	9	8	30									
	100										40									
	120										60									
	150										90									
	200										140									
	300										240								-	

* 3 screw mounting holes for 12.5-120-5 and 15-120-5. B dimension 12.5 is for GRR, GRRM, GRRN and GRRMN only.

Ordering Example

Part Number - A - S

GRR20 - 100 - 10

GRRMG30 - 150 - 20

Alterations

Part Number - A - S - (SC)

GRR20 - 100 - 8 - SC

Alterations are available for Steel Type only.

Alteration Code	Dimension S
SC	SC=1mm Increment
Spec.	Ordering Code SC6
	SC 1≤SC≤T-2

For characteristic values of Ultra High-Molecular-Weight Polyethylene, please refer to section "Standard Ultra High-Molecular-Weight Polyethylene" on P.951.