

# SINGLE-HEEL GUIDE RAILS

—STANDARD TYPE / NON-OIL GROOVE • OIL GROOVE TYPE (HEEL HEIGHT 5mm • 8mm • 15mm)—

Ⓜ Non JIS material definition is listed on P.1351 - 1352

RoHS

Part Number		Material	Hardness	S (Heel height)	U	R
Non-oil groove	Oil groove					
GR5SC	GR5SCM	SKS3	53~56HRC	5	2.5	R≤0.3
GR5MC	GR5MCM	HPM2T equivalent	37~41HRC			
GR5S	GR5SM	SKS3	53~56HRC	5	3.5	
GR5M	GR5MM	HPM2T equivalent	37~41HRC			
GR8S	GR8SM	SKS3	53~56HRC	8	4.5	R≤0.8
GR8M	GR8MM	HPM2T equivalent	37~41HRC			
GR15S	GR15SM	SKS3	53~56HRC	15	5	
GR15M	GR15MM	HPM2T equivalent	37~41HRC			

■ Mounting bolt hole : 2    ■ Mounting bolt hole : 3    Heel height (5mm • 8mm)

■ Mounting bolt hole : 4

Table for Bolt Hole Size

W	T	d1	d2	t1	ω 1
10	12.5 • 15	8	4.5	5	4.5
12.5	12.5 • 15 • 20	8	4.5	5	5
15	12.5 • 15 • 20 • 25	9.5	5.5	6	6
20	15 • 20	11	6.5	7	9
25	20 • 25 • 29 • 30 • 34	14	9	9	10
35	34 • 39	17	11.5	11	12

※ Applicable only to guide groove height of 15mm (GR15□□□). For a guide groove height of 5mm and 8mm (GR5□□□ and GR8□□□), C≤0.3.

Ⓜ All corners C≤1 unless specified.

■ Details of Oil Groove

T-S	e	N	f	R
T-S≤7.5	1.5	1.5	0.3	1.0
T-S≥10	2.0	2.0	0.5	1.25

■ Oil Groove Detail Dimensions

T-S	P
7	2
7.5	3
10	8
12	12
14 • 15	18
17	22
19 • 20	28
22	32
24 • 25	38

■ Oil Groove Pitch

Ⓜ Please note that if L≤P+10, there is the possibility that 1 cycle (1 pitch) of oil groove can not be cut.

■ Calculation method for oil groove pitch  
 $P = (T - S - 2e - N) \times 2$

**P** Price **Quotation**

## ■ Heel height 5mm • 8mm

Part Number		T	L	No. of bolt holes	A	B	C
Type	W	Selection					
Non-oil groove	GR5SC (SKS3) GR5MC (HPM2T equivalent)	10	12.5 (*1) 15	35 (*1) 40	7.5	—	—
				50 60 70			
				80			
				90			
Oil groove	GR5SCM (SKS3) GR5MCM (HPM2T equivalent)	10	15	100	7.5	—	—
				35			
				30 50			
				32.5 57.5			
Non-oil groove	GR5S (SKS3) GR5M (HPM2T equivalent) GR8M (HPM2T equivalent)	12.5	12.5 (*2) 15 20	35 (*1) 40	7.5	—	—
				50 60 70			
				80			
				90			
				100			
				100			
		15	12.5 (*2) 15 20 25	40 50 60	7.5	—	—
				70 80 90 100 110 120			
				130			
				140			
				150			
				150			
20	15 (*2) 20 25 30	40 50 60 70 80 90	10	—	—		
		100 110 120 130 140 150					
		160					
		180					
		200					
		200					
Oil groove	GR5SM (SKS3) GR5MM (HPM2T equivalent) GR8SM (SKS3) GR8MM (HPM2T equivalent)	25	20 25 30	40 50 60 70 80 90	10	—	—
				100 110 120 130 140 150			
				160			
				180			
				200			
				200			

\* 1 only applicable to non-oil groove type/5mm heel type. \* 2 only applicable to 5mm heel type.

## ■ Heel height 15mm

Part Number		T	L	No. of bolt holes	A	B	C
Type	W	Selection					
Non-oil groove	GR15S (SKS3) GR15M (HPM2T equivalent)	20	30	80 90	10	—	—
				100 110 120 130 140 150 160			
				180			
				200			
Non-oil groove	GR15S (SKS3) GR15M (HPM2T equivalent)	25	29 34	60 70 80 90	20	60	L-B
				100 110 120 130 140 150 160			
				170 180			
				190 200			
Oil groove	GR15SM (SKS3) GR15MM (HPM2T equivalent)	35	34 39	60 70 80 90 100	20	60	L-B
				110 120 130 140 150 160			
				170 180			
				190 200			



Order

Part Number — T — L  
 GR5M15 — 20 — 80



Days to Ship

**Quotation**

Type	W	T	L
GR5S	12.5	12.5 • 15	
GR5SM	15	12.5 • 15 • 20	
GR8S	12.5	15	40 • 50 • 60 • 70 • 80 • 90 • 100
GR8SM	15	15 • 20	

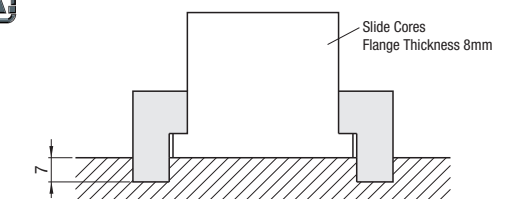


Alterations

Part Number — T — L — (MC)  
 GR5M 15 — 20 — 80 — MC



Example Single-heel Guide Rails (Heel height 15mm)



Alteration	Code	Spec.	1Code																		
	MC	Process 2 places of tapping (both ends) for removal. Ⓜ Applicable to W10~25 <table border="1"> <thead> <tr> <th>W</th> <th>T</th> <th>M</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>12.5 • 15</td> <td>M5</td> </tr> <tr> <td>12.5</td> <td>12.5 • 15 • 20</td> <td>M5</td> </tr> <tr> <td>15</td> <td>12.5 • 15 • 20 • 25</td> <td>M6</td> </tr> <tr> <td>20</td> <td>15 • 20</td> <td>M8</td> </tr> <tr> <td>25</td> <td>20 • 25 • 29 • 30 • 34</td> <td>M10</td> </tr> </tbody> </table>	W	T	M	10	12.5 • 15	M5	12.5	12.5 • 15 • 20	M5	15	12.5 • 15 • 20 • 25	M6	20	15 • 20	M8	25	20 • 25 • 29 • 30 • 34	M10	<b>Quotation</b>
W	T	M																			
10	12.5 • 15	M5																			
12.5	12.5 • 15 • 20	M5																			
15	12.5 • 15 • 20 • 25	M6																			
20	15 • 20	M8																			
25	20 • 25 • 29 • 30 • 34	M10																			