

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		□	□	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

※ 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.

■ Table for Bolt Hole Size

W	T	d ₁	d ₂	t ₁	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 25 • 30	11	6.5	7	9
25	20 • 25 • 29 • 30 • 34	14	9	9	10
35	34 • 39	17	11.5	11	12

■ Details of Oil Groove

GR5SCM • GR5MCM
GR5SM • GR5MM
GR8SM • GR8MM
GR15SM • GR15MM

■ Oil Groove Detail Dimensions

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

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

■ Oil Groove Pitch

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

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

P Price **Quotation**

■ Heel height 5mm • 8mm

Part Number		T Selection	L	No. of bolt holes	A	B	C			
Type	W									
Non-oil groove	GR5SC (SKS3) GR5MC (HPM2T equivalent)	10	12.5 (*1) 15	35 (*1) 40	2	—	—			
				50 60 70	3	7.5	—	—		
				80	4	30	50			
				90	32.5	57.5				
Oil groove	GR5SCM (SKS3) GR5MCM (HPM2T equivalent)	10	12.5 (*1) 15	100	4	35	65			
				12.5	15	35 (*1) 40	2	—	—	
						50 60 70	3	7.5	—	—
						80	4	30	50	
Non-oil groove	GR5S (SKS3) GR5M (HPM2T equivalent) GR8M (HPM2T equivalent)	12.5	12.5 (*2) 15 20	100	3	—	—			
				50 60 70	4	32.5	57.5			
				80	35	65				
				90	—	—				
Oil groove	GR5SM (SKS3) GR5MM (HPM2T equivalent) GR8SM (SKS3) GR8MM (HPM2T equivalent)	12.5	12.5 (*2) 15 20 25	40 50 60	2	—	—			
				70 80 90 100 110 120	3	7.5	—	—		
				130	4	40	90			
				140	45	95				
Non-oil groove	GR5S (SKS3) GR5M (HPM2T equivalent) GR8M (HPM2T equivalent)	15	15 20 25	150	4	53	97			
				20	20	40 50 60 70 80 90	2	—	—	
						100 110 120 130 140 150	3	10	—	—
						160	4	55	105	
Oil groove	GR5SM (SKS3) GR5MM (HPM2T equivalent) GR8SM (SKS3) GR8MM (HPM2T equivalent)	15	15 20 25 30	180	4	60	120			
				200	70	130				
				25	25	40 50 60 70 80 90	2	—	—	
						100 110 120 130 140 150	3	10	—	—
Oil groove	GR5SM (SKS3) GR5MM (HPM2T equivalent) GR8SM (SKS3) GR8MM (HPM2T equivalent)	25	25 30	160	4	55	105			
				180	60	120				
				200	70	130				

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

■ Heel height 15mm

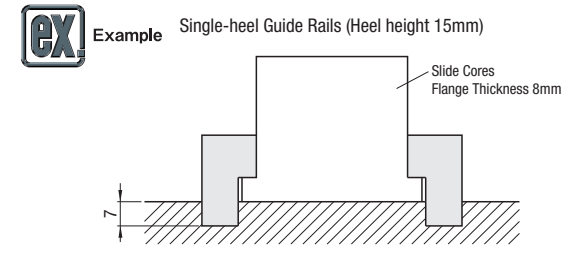
Part Number		T Selection	L	No. of bolt holes	A	B	C
Type	W						
Non-oil groove	GR15S (SKS3) GR15M (HPM2T equivalent)	20	30	80 90	2	10	—
				100 110 120 130 140 150 160	3	—	—
				180	4	60	120
				200	70	130	
Non-oil groove	GR15S (SKS3) GR15M (HPM2T equivalent)	25	29 34	60 70 80 90	2	10	—
				100 110 120 130 140 150 160	3	—	—
				170 180	4	60	L-B
				190 200	70	L-B	
Oil groove	GR15SM (SKS3) GR15MM (HPM2T equivalent)	25	34 39	60 70 80 90 100	2	10	—
				110 120 130 140 150 160	3	—	—
				170 180	4	60	L-B
				190 200	70	L-B	

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



Alteration	Code	Spec.	1Code																		
	MC	Process 2 places of tapping (both ends) for removal. Ⓜ Applicable to W10~25 <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <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	Quotation
W	T	M																			
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Guide Rails Center Rails