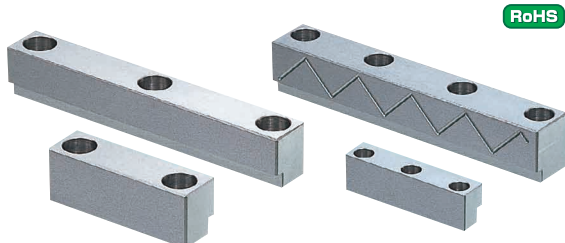


SINGLE-HEEL GUIDE RAILS

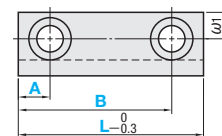
—L DIMENSION DESIGNATION TYPE / NON-OIL GROOVE • OIL GROOVE TYPE (HEEL HEIGHT 5mm • 8mm)—

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

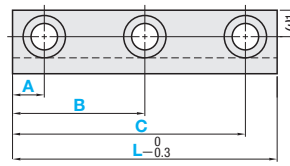


Part Number		M	H	S (Heel height)	U	R
Non-oil groove	Oil groove					
GR5SFC-□H	GR5SFCM-□H	SKS3	53~56HRC	5	2.5	R _{≤0.3}
GR5MFC-□H	GR5MFCM-□H	HPM2T equivalent	37~41HRC			
GR5SF-□H	GR5SFM-□H	SKS3	53~56HRC	5	3.5	R _{≤0.8}
GR5MF-□H	GR5MFM-□H	HPM2T equivalent	37~41HRC			
GR8SF-□H	GR8SFM-□H	SKS3	53~56HRC	8	4.5	
GR8MF-□H	GR8MFM-□H	HPM2T equivalent	37~41HRC			

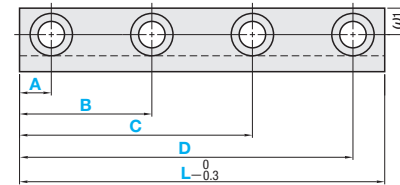
■ Mounting bolt hole : 2 **2H**

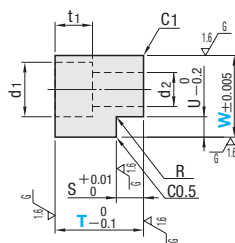


■ Mounting bolt hole : 3 **3H**



■ Mounting bolt hole : 4 **4H**



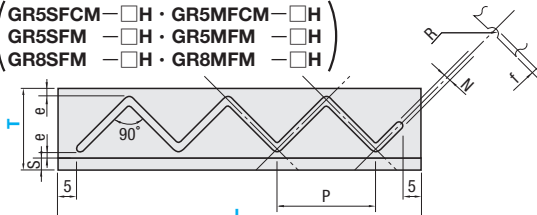


■ Table for Bolt Hole Size Ⓜ All corners C_{≤1} unless specified.

W	T	d1	d2	t1	ω 1
10	12.5 · 15				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 · 30				
25	20 · 25 · 30	14	9	9	10
30	25 · 30 · 35	17	11.5	11	11
40	30 · 40	19	12.5	13	13

■ Details of Oil Groove

(GR5SFCM-□H · GR5MFCM-□H)
(GR5SFM-□H · GR5MFM-□H)
(GR8SFM-□H · GR8MFM-□H)



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

■ 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
15	18
17	22
20	28
22	32
25	38

P Price **Quotation**

Part Number	Type	No. (Bolt hole)	W	T Selection	L 5mm increments	Bolt hole pitch 0.5mm increments									
						A		B		C		D			
						min.	max.	min.	max.	min.	max.	min.	max.		
Non-oil groove GR5SFC (SKS3) GR5MFC (HPM2T equivalent) Oil groove GR5SFCM (SKS3) GR5MFCM (HPM2T equivalent)	Non-oil groove GR5SF (SKS3) GR5MF (HPM2T equivalent) GR8SF (SKS3) GR8MF (HPM2T equivalent) Oil groove GR5SFM (SKS3) GR5MFM (HPM2T equivalent) GR8SFM (SKS3) GR8MFM (HPM2T equivalent)	10	12.5	15	2H	35 ^(*) · 40~75	6	B-10	A+10	2H L-6 3H C-10 4H C-10	B+10	3H L-6 4H D-10	C+10	4H L-6	
					3H	60~100									
					4H	100									
					2H	12.5 ^(*)									35 ^(*) · 40~75
		2H	12.5	15	20	2H	40~75	7	B-11.5	A+11.5	2H L-7 3H C-11.5 4H C-11.5	B+11.5	3H L-7 4H D-11.5	C+11.5	4H L-7
						3H	60~150								
						4H	100~150								
						2H	12.5 ^(*)								
		3H	15	20	25	2H	40~150	7.5	B-13	A+13	2H L-7.5 3H C-13 4H C-13	B+13	3H L-7.5 4H D-13	C+13	4H L-7.5
						3H	100~200								
						4H	155~200								
						2H	15 ^(*)								
4H	20	25	30	2H	40~150	9	B-16	A+16	2H L-9 3H C-16 4H C-16	B+16	3H L-9 4H D-16	C+16	4H L-9		
				3H	100~200										
				4H	155~200										
				2H	20									40~150	
25	25	30	30	2H	40~150	10.5	B-19	A+19	2H L-10.5 3H C-19 4H C-19	B+19	3H L-10.5 4H D-19	C+19	4H L-10.5		
				3H	100~200										
				4H	155~200										
				2H	25									50~165	
30	30	35	35	2H	110~200	10.5	B-21	A+21	2H L-10.5 3H C-21 4H C-21	B+21	3H L-10.5 4H D-21	C+21	4H L-10.5		
				3H	110~200										
				4H	190~200										
				2H	30									50~165	
40	30	40	40	2H	110~200	10.5	B-21	A+21	2H L-10.5 3H C-21 4H C-21	B+21	3H L-10.5 4H D-21	C+21	4H L-10.5		
				3H	110~200										
				4H	190~200										
				2H	40									190~200	

Ⓜ (*1) L35 : only applicable to non-oil groove type. Ⓜ (*2) : only applicable to GR5SF · GR5SFM · GR5MF · GR5MFM

Order

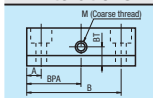
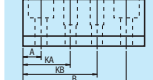
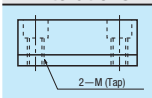
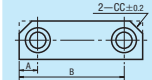
Part Number	T	L	A	B	C	D
2H GR5SF-2H12.5	15	70	A13.0	B29.0		
3H GR5SF-3H12.5	15	70	A13.0	B29.0	C39.0	
4H GR5SF-4H12.5	15	100	A13.0	B29.0	C39.0	D49.0

Days to Ship **Quotation**

Alterations

Part Number	T	L	A	B	(BP · KP · MC · CC)
GR5MF-2H12.5	15	70	A13.0	B29.0	MC

Quotation

Alterations	Code	Spec.	1Code
	BP	Tapping Details P.683	Quotation
	KP	Dowel hole boring Applicable to M HPM2T equivalent Details P.683	
	MC	Change to tap hole Applicable to W10~25 Details P.684	Quotation
	CC	C chamfering Details P.684	