

### Order example

**MGRC** – **20** – **55** – **N**

**Model**  
**MGRC** : Screw lock




**Table width**  
**MGRC** (mm)

20	20
30	30
40	40

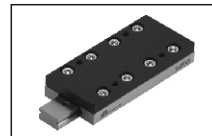
**Table length**  
 25~155 mm  
 (next table)

Width	Length
20	25, 35, 45, 55
30	65, 80, 95
40	105, 130, 155

**Material**  
 – : Standard




**B** : Black coating



**N** : Antirust



**S** : Corrosion resisting



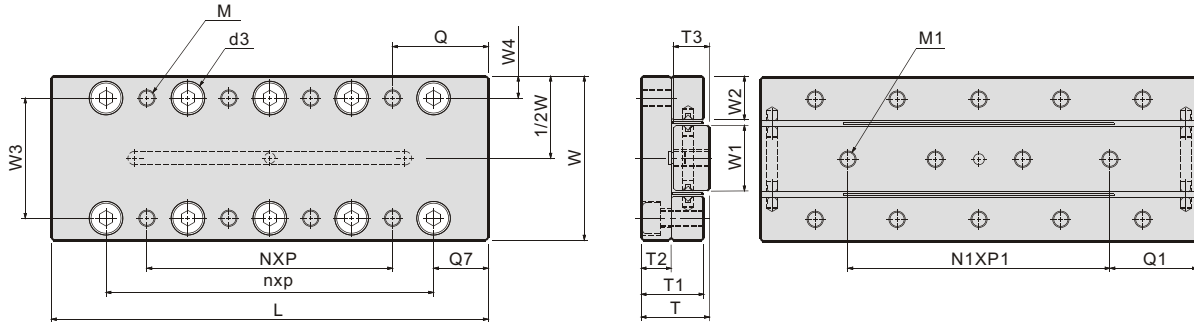
### Material

Indicate Model	Table	Rail	Retainer	Roller
<b>MGRC</b>	Aluminum alloy+ Black anodized	SUJ2	SUS304	SUJ2
<b>MGRC-N</b>	S50C+Ni	SUJ2+Ni	SUS304	SUJ2
<b>MGRC-B</b>	S50C+Phosphate	SUJ2	SUS304	SUJ2
<b>MGRC-S</b>	SUS440C+Ni		SUS304	SUS440C

- **MGRC-N / MGRC-S** no finished to V-groove surface of the rail.
- **MGRC-S** table and rail are in one unit in this series.

- Table in **N** series, is antirust, apply to clean room environment.
- Table in **S** series, is antirust apply to corrosion-resisting, apply to clean room environment.
- Table in **B** series, is antirust, apply to clean room environment.
- All parts are cryogenic finished to increase 30% durability (refer to O-69) .

## SLIDE TABLE

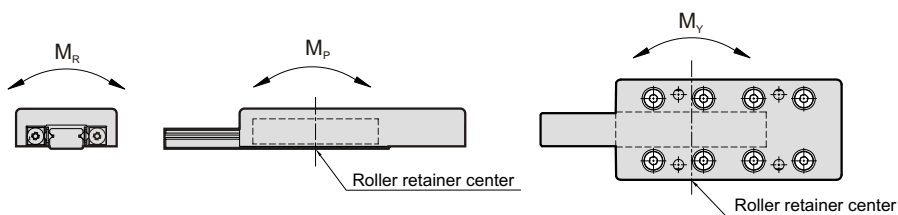


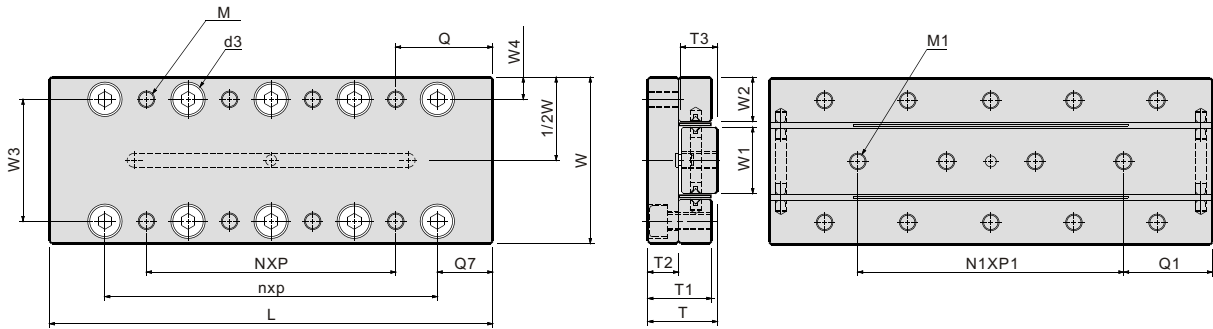
(mm)

Model	Max. stroke	Roller dia.	Main dimensions			Table mounting dimensions										Base mounting dimensions					
			W	T	L	$W_3$	$W_4$	$N \times P$	Q	M	$n \times p$	$Q_7$	$d_3$	$T_1$	$T_2$	$W_1$	$W_2$	$N_1 \times P_1$	$Q_1$	$M_1$	$T_3$
MGRC-20-25	12	$\phi 1.5$	$20^{+0.1}$	$8^{+0.1}$	25	14	3	$1 \times 18$	3.5	M2.5	$1 \times 10$	7.5	4.1	7.5	3.5	7	6.5	$2 \times 7.5$	5	M2.5	4
MGRC-20-35	18				35			$1 \times 28$			$2 \times 10$										
MGRC-20-45	25				45			$1 \times 20$			$3 \times 10$										
MGRC-20-55	32				55			$1 \times 30$			$4 \times 10$										
MGRC-30-65	40	$\phi 2.0$	$30^{+0.1}$	$12^{+0.1}$	65	22	4	$1 \times 30$	17.5	M3	$3 \times 15$	10	6	11.5	5.5	12	9	$3 \times 15$	10	M3	6
MGRC-30-80	50				80			$1 \times 45$			$4 \times 15$										
MGRC-30-95	60				95			$2 \times 30$			$5 \times 15$										
MGRC-40-105	60	$\phi 3.0$	$40^{+0.1}$	$16^{+0.1}$	105	30	5	$1 \times 50$	27.5	M4	$3 \times 25$	15	7.5	15.5	7.5	16	12	$3 \times 25$	15	M4	8
MGRC-40-130	75				130			$1 \times 75$			$4 \times 25$										
MGRC-40-155	90				155			$2 \times 50$			$5 \times 25$										

Model	Basic dynamic load rating $C(N)$	Basic static load rating $C_0(N)$	Allowable load $F_u(N)$	Static rated moment			Weight(kg)		Table moving accuracy ( $\mu m$ )	
				$M_R$ (N.m)	$M_P$ (N.m)	$M_V$ (N.m)	Standard	Antirust	Center parallelism	Side parallelism
MGRC-20-25	523	865	288	2.2	2.6	2.2	0.02	0.03	2	4
MGRC-20-35	657	1,153	384	3.0	4.6	5.2	0.03	0.04		
MGRC-20-45	783	1,441	480	3.7	7.2	7.9	0.03	0.05		
MGRC-20-55	903	1,729	576	4.4	10.4	11.2	0.04	0.06		
MGRC-30-65	1,849	2,924	975	12.7	19.5	21.4	0.11	0.16	5	
MGRC-30-80	2,407	4,093	1,364	17.7	38.2	35.5	0.13	0.20		
MGRC-30-95	2,672	4,678	1,559	20.3	49.9	46.8	0.16	0.24		
MGRC-40-105	5,646	10,655	3,552	61.8	124.3	133.2	0.31	0.48	3	6
MGRC-40-130	6,872	13,700	4,567	79.5	205.5	194.1	0.39	0.59		
MGRC-40-155	8,038	16,744	5,581	97.1	307.0	293.0	0.46	0.70		

● Each of load and torque changes oppositely in stroke variation.





(mm)

Model	Max. stroke	Roller dia.	Main dimensions		Mounting dimensions												
			W	T	W <sub>3</sub>	W <sub>4</sub>	N×P	Q	M	n×p	T <sub>1</sub>	W <sub>1</sub>	W <sub>2</sub>	N <sub>1</sub> ×P <sub>1</sub>	Q <sub>1</sub>	M <sub>1</sub>	T <sub>3</sub>
MGRC-20-25-S	12	φ 1.5	20 <sup>±0.1</sup>	8 <sup>±0.1</sup>	14	3	1×18	3.5	M2.5	1×10	7.5	7	6.5	2×7.5	5	M2.5	4
MGRC-20-35-S	18						1×28			2×10				2×10			
MGRC-20-45-S	25						1×20	3×10		3×10							
MGRC-20-55-S	32						1×30	4×10		4×10							
MGRC-30-65-S	40	φ 2.0	30 <sup>±0.1</sup>	12 <sup>±0.1</sup>	22	4	1×30	17.5	M3	3×15	11.5	12	9	3×15	10	M3	6
MGRC-30-80-S	45						1×45			4×15				4×15			
MGRC-30-95-S	50						2×30			5×15				5×15			
MGRC-40-105-S	18	φ 3.0	40 <sup>±0.1</sup>	16 <sup>±0.1</sup>	30	5	1×50	27.5	M4	3×25	15.5	16	12	3×25	15	M4	8
MGRC-40-130-S	30						1×75			4×25				4×25			
MGRC-40-155-S	40						2×50			5×25				5×25			

Model	Basic dynamic load rating C(N)	Basic static load rating Co(N)	Allowable load Fu(N)	Static rated moment			Weight (kg)	Table moving accuracy (μm)	
				M <sub>R</sub> (N.m)	M <sub>P</sub> (N.m)	M <sub>V</sub> (N.m)		Center parallelism	Side parallelism
MGRC-20-25-S	523	865	288	2.2	2.6	2.2	0.03	2	4
MGRC-20-35-S	657	1,153	384	3.0	4.6	5.2	0.04		
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MGRC-30-65-S	1,849	2,924	975	12.7	19.5	21.4	0.16		
MGRC-30-80-S	2,407	4,093	1,364	17.7	38.2	35.5	0.20		
MGRC-30-95-S	2,672	4,678	1,559	20.3	49.9	46.8	0.24	3	6
MGRC-40-105-S	5,646	10,655	3,552	61.8	124.3	133.2	0.47		
MGRC-40-130-S	6,872	13,700	4,567	79.5	205.5	194.1	0.58		
MGRC-40-155-S	8,038	16,744	5,581	97.1	307.0	293.0	0.70		

● Each of load and torque changes oppositely in stroke variation.

