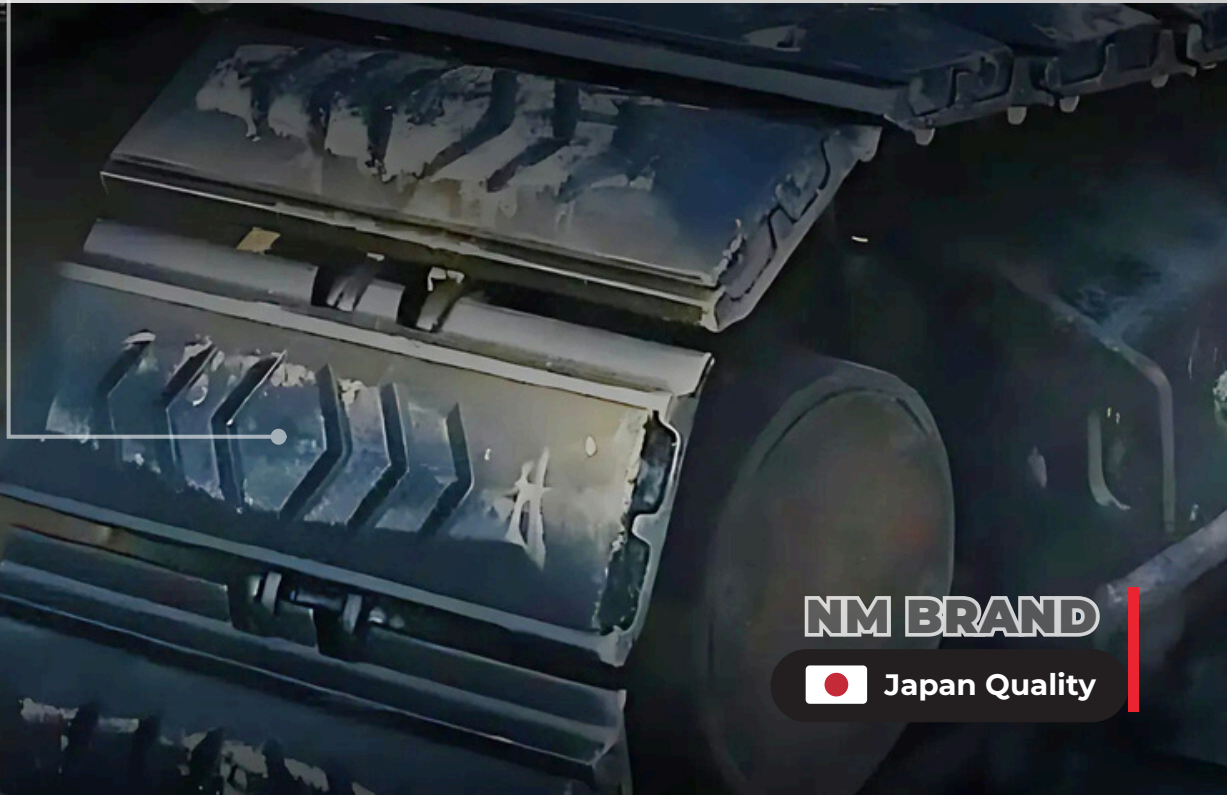
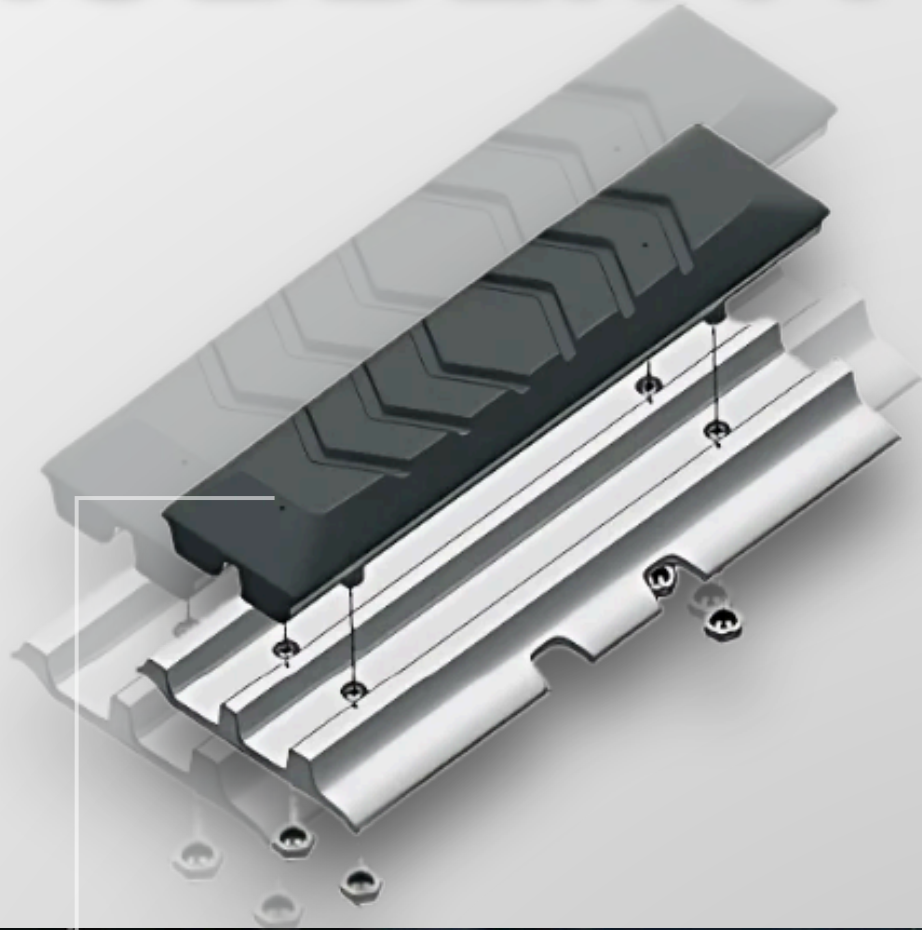




**KMVL**

# RUBBER PAD



**NM BRAND**



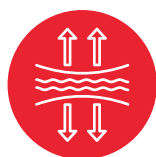
Japan Quality

# RUBBER PAD

Are you seeking a smoother, more stable operation for your excavator, along with superior traction and minimized surface damage? Look no further! Our rubber pads are the ultimate choice to effectively reduce vibration, robustly protect valuable road surfaces, and significantly extend the service life of your equipment.

## WHY KMVL?

The rubber pad offer the perfect balance between traditional steel shoes and full rubber tracks - combining durability and flexibility for construction vehicles operating in demanding environments.



### Superior Elongation

Maintains structural integrity under torque and stretching - ideal for curbs and uneven terrain.



### Various Fitting Designs

Multiple fitting designs for fast replacement and reduced machine downtime.



### High-Strength Rubber Compound

A blend of natural and synthetic rubber offers excellent tear and tensile strength, protecting pads from rocks and debris.



### Custom Solutions Available

KMVL offers tailor-made products to match your specific equipment and application needs.



### Strong Rubber-to-Metal Bonding

Prevents peeling even under harsh conditions.



### Outstanding Abrasion Resistance

Special rubber compound extends service life and reduces costs.



## Multiple Mounting Options to Fit Every Application

We offer a wide range of rubber track pad mounting styles, allowing you to choose the most suitable solution for your equipment and job site conditions. Each rubber pad is designed with three key principles:

### **Precision Fit – Durability – Performance**

A snug fit between the pad and the track base offers several advantages:

- **Minimizes vibration and prevents debris accumulation**
- **Reduces operational noise**
- **Extends pad lifespan by ensuring even load distribution**



### **Bolt On - BT**

The track pad design with 2 or 4 bolts at the bottom. It is the most robust and secure way to lock a pad onto your track shoes. Suitable for all track shoes with holes.



### **Bolt And Hook - BH**

The fitment style has fixed bracket or hooks on one side, and bolts on the other end. It is designed to improve fitting time whilst maintaining robustness of fitment. We have had feedback of customers reducing fitment time by almost 50%.



### **Clip On - CP**

This fitment style has fixed bracket or hooks on one side, and a specially designed clip fitting on the other end. This fitment style is particularly useful for vehicles with track shoes that have no holes. Favoured for its easy installation, it may also be chosen for track shoes that already have bolt holes.

# LINE-UP

Pad number	RP090B-230	BT	RP101A-250	BT BH	RP101A-300	BT BH	RP135A-400	BH	RP135B-350	BT
<b>Class</b>	~ 1.7 ton		2.0 ton ~		3.0 ton ~		4.0 ton ~		4.0 ton ~	
<b>TS Length</b>	230mm		250mm		300mm		400mm		350mm	
<b>Komatsu</b>	PC15MR PC18MR-2.3	72 74	PC10-7 PC12UU-2 PC20MR-1.2.3 PC20R-8 PC20UU-3.5	76 76 78 76 78	PC15-1.2.3 PC20-7 PC27MR / PC28UU PC30MR / PC35MR-1 PC30MR / PC35MR-2.3 PC30UU / PC38UU-3 PC30UU / PC38UU-5	80 80 80 86 88 86 88	PC40-6 PC50UU-1 PC50UU-2	74 74 76	PC40MR-3	74
<b>Hitachi</b>	ZX17U-2.5A	72	EX20U-3 EX20UR-1.2.3 EX22/EX22-2 ZX20UR	78 78 74 80	EX25-1.2 / EX30UR-1.2 EX27U / ZX27U EX30-1.2 / EX35-2 EX30UR-3 / ZX30UR ZX30U / ZX35U ZX30U / ZX35U-2.3.5 HX64B-2	78 80 84 84 86 88 78				
<b>Caterpillar</b>	017CR	74	MM20CR / MM20SR 302CCR / 302CSR 020CR/020SR	76 80 86	MM25 / MM25T ME30 / MM30B MM30SR / MM30CR 030SR / 040SR 303CR / 303SR 303CCR / 303.5CCR 304CSR	78 82 82 86 86 92 92				
<b>Kobelco</b>	SK15SR-3 / SK17SR	72	SK20SR-3.5 SK20UR SK25SR-2 SK27SR-3.5	78 74 78 82	SK025 / SK25SR SK027 / SK030 SK30SR-1 / SK30UR-1.2 SK30SR-2.3 / SK30UR-3 SK30SR-5 / SK35SR-2.3 SK28UR / SK38UR	78 82 82 84 90 90				
<b>Sumitomo</b>			SH25J	72	SH28J SH30J / SH32J SJ30JX SH35JX / SH38UJ	76 82 86 92				
<b>Yanmar</b>	Vio17		B2-5 Vio20-1.2.3 Vio25-6	88 88 84	B3-3.5.6 B27-2B / B37-2B Vio27-2.3.5 Vio30 / Vio35-2.3.5 Vio30 / Vio35-6	86 86 82 86 88			Vio45-6.6A	80
<b>Kubota</b>	RX153S U15-3S / U17	74 74	K020 / K022 RX203S / RX205 U20-3.3S	78 86 86	K025 KX030 U25-3 / K030 U30 / U35 K035-3.5 RX303 / RX305 RX403 / RX405	78 82 82 86 86 86			U40-6E	76
<b>Kato / IHI</b>			IS20JX / IS20NX IS20VX / IS20VZ IS25J	84 84 72	IS25NX / IS25VX IS30JX / IS30NX IS35J / IS35GX IS35JX / IS35NX	80 86 86 92				
<b>Takeuchi</b>			TB20R	86	TB025 TB28FR / TB030 TB125 / TB250	78 82 78				
<b>Aichi</b>										
<b>Nagano</b>					NUL090 NUL120	84 96				

# LINE-UP

RP135B-400	BT BH	RP135H-350	BT BH	RP135H-400	BT	RP135D-450	BT	RP154B-450	BT BH	RP154H-450	BT BH
4.0 ton ~		4.0 ton ~		4.0 ton ~		6.0 ton ~		6.0 ton ~		6.0 ton ~	
400mm		350mm	OS	400mm	OS	450mm		450mm		450mm	OS
PC40-7 / PC40MR-1 PC40MR-2 PC40R-8 PC50MR-2 PC55MR-3.5 PC58UU-3.5	76 78 76 78 78 78			PC50FR-2	80			PC60-7 / PC70-7 PC78US-6.8 PC78UU-6.8	76 78 78		
EX40 / EX45-1.2 EX40U / EX50U EX55UR / ZX55UR-1 ZX40U / ZX50U-2.3 ZX55UR-2.3 HX99B-2 HX120B-2 / HX140B-2	76 76 76 78 78 78 82							EX60-1.2.3 EX60-5 / ZX70 EX75UR / EX75US ZX75UR / ZX75US HX180B-2	74 76 80 80 80		
MM40CR / MM40T MM45B / MM45T MM55SR / MM57SR 304CR / 305CR 304CCR / 305CCR 305.SCR	76 76 76 76 80 80					E70B / 307 / 307SSR 308BCR / 308BSR	82 88	307C / 307D 308CCR / 308DCR	76 80		
SK40SR-1.2.3 SK40SR-5 / SK50SR-3.5 SK50UR-1.2.3.5 SK55SR-6	72 76 76 76							SK60-2.3 / SK75UR-1.2.3 SK75UR-3.5 SK60SR / SK70SR-1.2 SK75SR-3 / SK80UR SK95UR / CK90UR	76 78 78 78 80		
SH40JX / SH45J SH55J SH60U-2 / SH65U-2	76 78 82					SH60-2 #060A2-1218~ SH60-2 #060B2-1579~ SH60-2 #060G2-1158~ SH60-2 #060H2-1297~ SH65U-1	84 84 84 84 84	SH75X-3.3B.5B SH75XU-3.3B.5B	78 78		
Vio55-6.6A	80	Vio40-1.2.3.5 B4-6	80 68	Vio50-1.2.3.5 B6-3.5.6	80 80					B7-3.5 Vio70-2.3 / Vio80	78 78
K040 / K045 / KX045 RX503 / RX505 U40-3.5 U45 U50-3.5 / U55-6 KX57	76 78 78 76 78 78							KX60-5 / K70 KX75US K75UR / K75US	76 80 80		
						HD250SE HD250V HD307 IS65UJ CCH50P	84 86 86 84 84	HD308US / HD308USV	78		
TB53FR TB145	76 76							TB070 / TB80FR TB170 / TB175	78 78		
SR10A / SR12B	80										
NUL090Z	96										

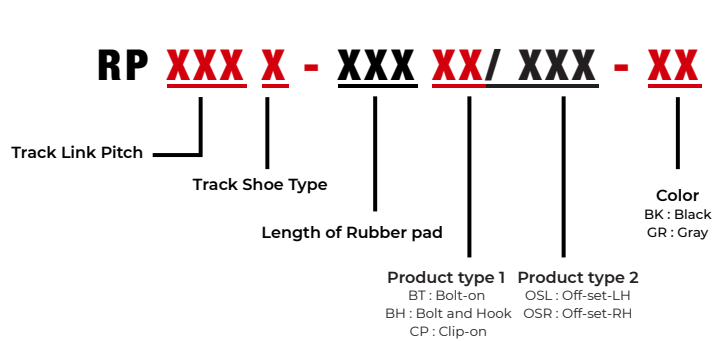
# LINE-UP

Pad Number	RP171B-500 *1	BT BH	P171C-500 *1	BH	RP171H-475	BT	RP175A-500	BT	RP190A-600	BT CP	RP190B-600	BT CP
	RP171B-600	BT CP										
	RP171B-700	CP										
Class	10.0 ton ~		10.0 ton ~		10.0 ton ~		10.0 ton ~		20.0 ton ~		20.0 ton ~	
TS Length	500 / 600 / 700mm		500mm		475mm	OS	500mm		600mm		600mm	
Komatsu	PC120-6 ~ #66115 ~	86	PC120-6 ~ #66115 ~	86			PC100-5	80	PC200-6	90	PC160LC-8	88
	PC120-8 / PC130-8	86	PC120-8 / PC130-8	86			PC100-6 ~ #47024	80	PC210-6.7.8	90	PC170LC-10	88
	PC128US-2 #9001 ~	84	PC128US-2 #9001 ~	84			PC120-5 / PC128US-1	84	PC220-6.7.8	94	PC200-7.8.10	90
	PC128US-2 #9501 ~	86	PC128US-2 #9501 ~	86			PC120-6 ~ #66114	84	PC220LC-6.7.8	102	PC228US-1.2.3.8	90
	PC128US / PC138US-8	86	PC128US / PC138US-8	86			PC130-6 ~ #53175	84	PC228USLC-1.2.3	98	HB215LC	98
	PC138US-2 #4001 ~	84	PC138US-2 #4001 ~	84			PC138US-1 / PC158US-2	84	PC230-6.8.10	94		
	PC138US-2 #4501 ~	86	PC138US-2 #4501 ~	86			PC138US-2 ~ #4000	84	PC230LC-8.10	102		
Hitachi	EX100-1.2.3.5 / ZX110	82							EX200-2	92	EX200-5	92
	EX120-1.2.3.5 / ZX120	88							EX220-1.2.3.5	94	ZX160LC-5B.6	86
	EX135UR / EX135US	88							EX220LC-1.2.3.5	102	ZX200-1.3.5B	92
	ZX135UR / ZX135US	88							EX225USR / ZX225US	92	ZX200LC-1.3	98
	HX220B-2	82							ZX230 / ZX240	94		
								ZX230LC / ZX240LC	102			
Caterpillar	E110B / 311CU / 311DRR	82									320B / 320C / 320D	90
	E120B / 312B / 312B	86									320BL / 320CL / 320DL	98
	313B / 313C / 314C	86									320BU / 320CU	90
											321BCR / 321CCR	90
Kobelco	SK100-1.2.3 / SK115SR	82									SK200-2.3.6.8	92
	SK120-2.3 / SK135SR	88									SK200LC-3.6.8	98
											SK225SR-3	92
											SK235SR-3	92
											SK235SRLC-3	102
Sumitomo	LS265FJ / SH120-3.5	86									SH200-1.2.3.5.6	92
	LS265FJ2 / SH120-1.2	88									SH200LC-1.2.3.5.6	98
	SH125X-3.3B / SH135X-3	86									SH215X-2.3	92
	SH145U	88									SH225X-2.3	92
											SH235X-6	92
											SH240	102
Yanmar					SV100-1.2	76						
Kubota	KX100-1.2.3.5	82							KX220-1.2.3.5	94	KX200-5	92
	KX120-1.2.3.5	88							KX220LC-1.2.3.5	102	KX200LC-5	98
	KX135UR	88										
Kato/ IHI	HD512-1.3 / HD513-1.3	88									HD820-6 / HD820V	92
	HD513MR	88									HD823 / HD823MR	92
Takeuchi	TB1140	88										
Aichi							SR18A / SR21A	80				
							SR182 / SR210	80				
Nagano							SR18A / SR21A	80				
							SR182 / SR210	80				

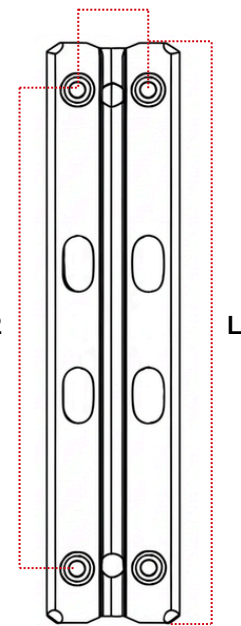
\* Regarding \*, when choosing the Bolt and Hook type of RP171B-500BH or P171C-500BH for Komatsu machines, please make sure to confirm the thickness of the shoe plate on the actual machine (8.0mm = P171B-500BH / 9.5mm = P171C-500BH). Please be aware that the rubber pad type differs depending on the shoe plate thickness.

\* Please note that the number of items listed above is for reference only. Kindly check the actual machine to confirm the correct quantity.

# PRODUCT CODE & SPECIFICATION



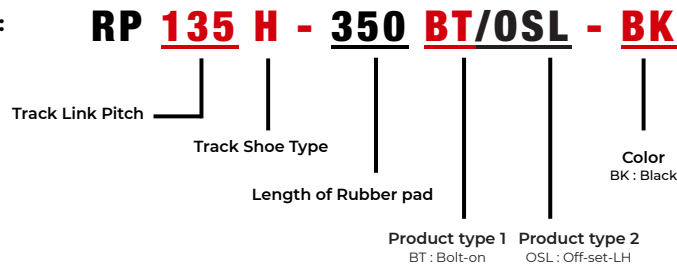
Bolt P1



Bolt P2

L

Example:



KMVL CODE	PAD NUMBER	CLASS	TYPE	COLOR	BRAND	L (MM)	BOLT P1	BOLT P2	BOLT (D)	NUM. BOLT
RP090B-230BT-BK	RP090B-230	1.5 ~1.8 ton	Bolt-on/Center	Black	NM	230	-	150	M12	2
RP101A-250BH-BK	RP101A-250	2.0 ~ 2.5 ton	Bolt and Hook/Center	Black	NM	250	-	-	M12	1
RP101A-250BT-BK	RP101A-250	2.0 ~ 2.5 ton	Bolt-on/Center	Black	NM	250	-	200	M12	2
RP101A-300BH-BK	RP101A-300	3.0 ~ 3.9 ton	Bolt and Hook/Center	Black	NM	300	-	-	M12	1
RP101A-300BT-BK	RP101A-300	3.0 ~ 3.9 ton	Bolt-on/Center	Black	NM	300	-	200	M12	2
RP101A-300BT-GR	RP101A-300	3.0 ~ 3.9 ton	Bolt-on/Center	Gray	NM	300	-	200	M12	2
RP135B-350BT-BK	RP135B-350	Komatsu/4 ton	Bolt-on/Center	Black	NM	350	46	250	M12	4
RP135B-400BH-BK	RP135B-400	4.0 ~ 5.8 ton	Bolt and Hook/Center	Black	NM	400	46	-	M12	2
RP135B-400BT-BK	RP135B-400	4.0 ~ 5.8 ton	Bolt-on/Center	Black	NM	400	46	300	M12	4
RP135B-400BT-GR	RP135B-400	4.0 ~ 5.8 ton	Bolt-on/Center	Gray	NM	400	46	300	M12	4
RP135H-350BT/OS(L/R)-BK	RP135H-350	Yanmar/4ton	Bolt-on/OS-LH/RH	Black	NM	350	46	290	M12	4
RP135H-400BT/OS(L/R)-BK	RP135H-400	Yanmar/5ton	Bolt-on/OS-LH/RH	Black	NM	400	46	300	M12	4
RP154B-450BH-BK	RP154B-450	6.0 ~ 7.8 ton	Bolt and Hook/Center	Black	NM	450	58	-	M14	2
RP154B-450BT-BK	RP154B-450	6.0 ~ 7.8 ton	Bolt-on/Center	Black	NM	450	58	350	M14	4
RP154B-450BT-GR	RP154B-450	6.0 ~ 7.8 ton	Bolt-on/Center	Gray	NM	450	58	350	M14	4
RP154H-450BT/OS(L/R)-BK	RP154H-450	Yanmar/7ton	Bolt-on/OS-LH/RH	Black	NM	450	58	350	M14	4
RP171B-500BH-BK	RP171B-500	10.0 ~13.8 ton	Bolt and Hook/Center	Black	NM	500	60	-	M16	2
RP171B-500BT-BK	RP171B-500	10.0 ~13.8 ton	Bolt-on/Center	Black	NM	500	60	400	M16	4
RP171B-500BT-GR	RP171B-500	10.0 ~13.8 ton	Bolt-on/Center	Gray	NM	500	60	400	M16	4
RP171B-700CP-BK	RP171B-700	10.0 ~13.8 ton	Clip-on	Black	NM	700	-	-	-	-
RP171C-500BHR-BK	RP171C-500	Komatsu/12ton	Bolt and Hook/Center	Black	NM	500	60	-	M16	2
RP171H-475BT/OS(L/R)-BK	RP171H-475	Yanmar/10ton	Bolt-on/OS-LH/RH	Black	NM	475	60	350	M16	4
RP190B-600BT-BK	RP190B-600	20.0 ~ 23.0 ton	Bolt-on/Center	Black	NM	600	62	400	M20	4

# INTRODUCTION

**Step 1:** Clean the steel shoe thoroughly before installing the rubber pad.

**Step 2:** Position the rubber pad correctly and install washers and nuts from the underside.

**Step 3:** Tighten the nuts initially with an impact wrench, then finalize with a torque wrench.

**Step 4:** Run the machine briefly (forward/backward), then re-tighten the nuts to the specified torque.

**Step 5:** Inspect and re-tighten nuts regularly - at least every 100 hours or before each use.

## **Caution**

- Rubber pads are optimally designed for hard, smooth surfaces such as asphalt, concrete, bricks, or other sensitive surfaces requiring protection. Avoid operating on rough, sharp terrains (large rocks, hard gravel, scrap metal, etc.). If operating on such surfaces is unavoidable, proceed with extreme caution.
- Avoid sharp turns, sudden pivots, or turning in place (zero-radius turns), especially on high-traction or rough surfaces. Do not exceed the machine's maximum speed, particularly when carrying heavy loads or operating on uneven terrain.
- Before and during operation, regularly inspect the track and rubber pads to remove any trapped soil, rocks, debris, or foreign objects.
- Do not operate the machine with loads exceeding the manufacturer's recommended capacity, especially when rubber pads are installed.
- Avoid continuous machine operation in excessively hot or cold environments, as this can reduce the lifespan of the rubber pads.
- Prevent direct contact of rubber pads with oils, grease, solvents, or strong chemicals. These substances can degrade the rubber. If contamination occurs, clean immediately.

(\*) For inquiries or consultation regarding our products, please reach out to us at:


## **CONTACT US**



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