

HIGH DURABILITY URETHANE ROLLER DIGEST

Made to Order



- High durability.
- Can be used for various purposes such as driving wheel, caster, and bearing roller, etc. Especially suitable for handling system and stacker for semiconductors and glass substrates and FA system, etc.
- Wheel diameters can be made to order. (Minimal order quantity 4 pcs~)
- Operating temperature: -10℃~80℃.

[Remarks]

- Please use at a speed less than 10km/h.
- Wheel may discolour after long-term use, but the performance is not affected.



Twin wheel, swivel type

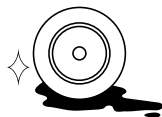
Swivel type

Non-swivel

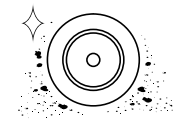


Wear resistant!

Break resistant!



Oil proof!



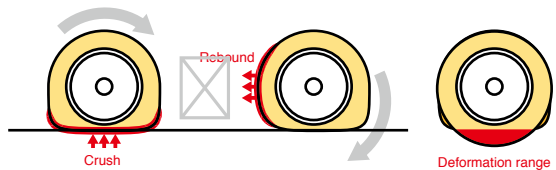
Prevents dust adhesion

(Anti-static urethane/electrical resistance: $10^5 \sim 10^9 \Omega \cdot \text{cm}$)

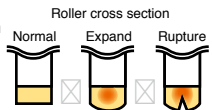
Physical Properties

Hardness	Shore A95
100% Tensile Modulus	12.5 MPa
300% Tensile Modulus	19.1 MPa
Tear Strength	151 KN/m
Tensile Strength	50 MPa
Elongation	560%
Rebound Resilience	63%
Compression Set	24%

Excellent Rebound Resilience



Repeated process of deformation by compression and restoration may occur in the ground contact part as the roller rotates. The heat generated by such deformation may expand urethane and thus rupture it.



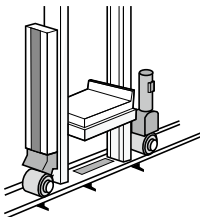
Normal urethane roller

Our product

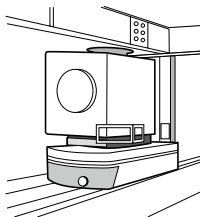


The product has excellent rebound resilience (capacity of restoring to the original shape) and small deformation range, which may suppress heat generation. Besides, the heat resistance of urethane itself is also high, making it less susceptible to deterioration.

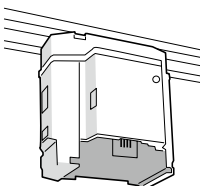
Stacker



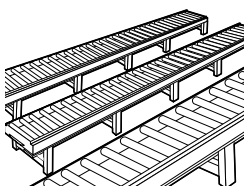
RGV(AGV)



OHT

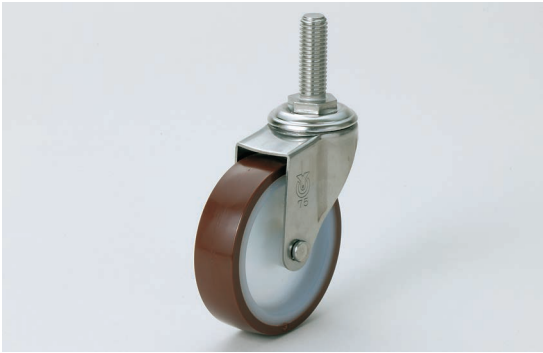


Conveyor



STAINLESS STEEL CASTER **GS-SUS-ET** Threaded Bolt Type

LOAD CAPACITY 380~600 N **SUS**



- Stainless steel (SUS304) body provides excellent corrosion resistance.
- Conductive rubber wheels also available.
- Anti-static urethane wheel with diameter φ 100 also available.

[How to order] When installing caster to aluminium frame.

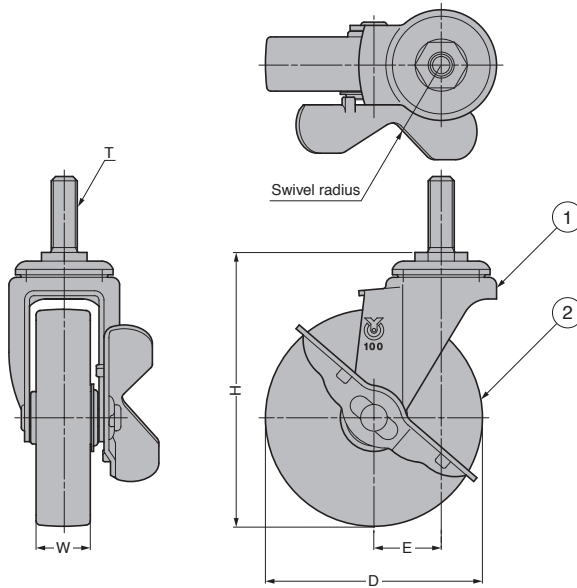
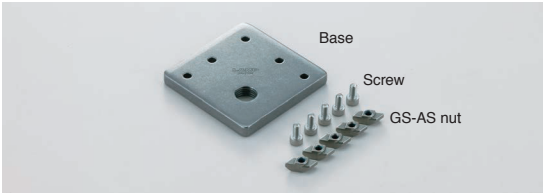
※Please select both caster (single item) and base installation parts set and specify the item names of both.

※Refer to the relevant pages when ordering base and GS-AS nut separately.

[Sold Separately]

- Base installation parts set

[Base Installation Parts Set] Sold Separately



Drawing above shows the model with brake.

No.	Part Name	Material	Finish/Colour
①	Body	Stainless Steel (SUS304)	Barrel Polished
②	Wheel	Urethane Rubber (UR)	Brown + White

Item Name	Type	D	W	H	E	T	Load Capacity N/pc	Load Capacity kgf/pc	Weight (g)
GS-SUS-ET-50UR	Without Brake	50		68	22	M12	380	38.8	175
GS-SUS-ET-65URS	With Brake	65	21	85	23		400	40.8	220
GS-SUS-ET-65UR	Without Brake						450	45.9	195
GS-SUS-ET-75URS	With Brake	75		95	27		450	45.9	230
GS-SUS-ET-75UR	Without Brake						470	47.0	210
GS-SUS-ET-100URS	With Brake	100	28	126	31		600	61.2	470
GS-SUS-ET-100UR	Without Brake					600	61.2	405	