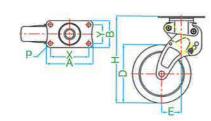
- series

NPG MODEL NPR MODEL NPT MODEL

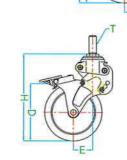
swivel (double bearing) mounting plate style

fixed bearing mounting plate style

swivel (double bearing) mounting plate style







NPG-125SUE-1

NPT-125SUES-2.M16 × 40 **NPR-125SUE-3**

Netal tastening = Stainless steel **(B) shows that a bearing is contained into a wheel.

NPG&NPR MODEL SPEC														
MODEL NO.	WHEEL TYPE	WHEEL DIA RIN	RIM WIDTH	TOP PLATE SIZE	BOLTHOUE SPACING	HOLE DIA	CENTER		CASTER HEIGHT	REVOLUTION	LOAD CAP		WEIGHT(g)	
		D(mm)	(mm)	A×B(mm)	XXY(X'XY[)(mm)	P(mm)	with stopper	without	H(mm)	RADIUS (mm)	(daN)	(kgf)	with stopper	without stopper
NPG-100 SUE -2 -3	anti-static urethane (B) wheel	100	28	100×58	82×40	8.8	111~115	85~110 85~105	165~140 165~147 165~150	35~54	10 20 30	10.2 20.4 30.6	NPG model 935 NPR model 795	NPG mode! 860
NPG-125 NPR-125 SUE -2 -3		125	32	100×58	82×40	8.8	117~131 117~126	105~131 105~126	186~159 186~166 186~170	42~68 42~63	10 20	10.2 20.4 30.6	NPG model 1065 NPR model 905	NPG model 920

· All models will be available with stoppers · NPR models offset is 1 mm less

· The swivel radius, overall height, and offset values are measured during damper's maximum stroke, not during load capacity Netal tastening = Stainless steel

※(B) shows that a bearing is contained into a wheel.

NPT MODEL SPEC														
MODEL NO.	WHEEL TYPE	<u></u>											2	
			RM WIDTH		OP PLATE SIZE BOLTHOLE SPACING				CASTER HEIGHT	ER HEIGHT REVOLUTION RADIUS		LOAD GAF		WEIGHT(g)
		D(mm)	(mm)	A×B(mm)	XXY(mm)	P(mm)	with	without	H(mm)	(mm)	(daN)	(kgf)	with stopper	without
-1	anti-static urethane (B) wheel	100	1 28	M12×35 M16×40		1 23 1	111~115	85~110	169~144	35~59	10	10.2	M12×35	M12×35
NPT-100 SUE -2							111~115	85~105	169~151	35~54	20	20.4	940 M16×40	865 M16×40
-3							111~115	85~102	169~154	35~51	30	30.6	970	895
NPT-125 SUE -2 -3		125	1 32 1	M12×35 M16×40		21	117~131	105~131	190~163	42~68	10	10.2	M12×35	M12×35
							117~126	105~126	190~170	42~63	20	20.4	1050 M16×40	905 M16×40
							117~123	105~123	190~174	42~59	30	30.6	1080	935

· All models will be available with stoppers

The swivel radius, overall height, and offset values are measured during damper's maximum stroke, not during load capacity

Product symbol meanings















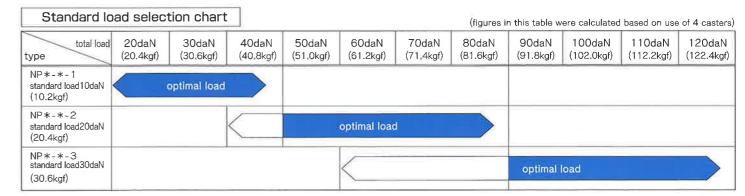
SUE: anti-static urethane (B) wheel

No symbol: does NOT have stopper

"Standard load" of shock-absorbing casters does not indicate the admissible load; it indicates the load which provides the most effective shock absorption,

Overall height and offset values will change due to expanding/contracting of shock absorber

ORTES series



Usage note

1. Precautions for selection of casters

• When selecting "standard load" of caster, ensure that the total weight to be carried (i.e. cart + cargo) is within the optimal load range When using 4 casters:

Optimal load = standard load x 4 (casters) x Safety rating (0.5-1.0)

• In case of extreme usage conditions (e.g. cargo load is unbalanced, center of gravity is high, etc.), consider a corresponding safety rating, or use casters with a higher standard load value (i.e. white area of optimal load range arrow)

2.Precautions for use

- Do not exceed load limit (optimal load) or standard load per caster
- Cart may tip over. Load cargo so that weight is distributed evenly over each caster.
- Do not push in a direction that opposes the direction of fixed casters (e.g. backwards, sideways, etc.); it could cause damage.
- Do not push with the stopper activated, or leave on inclined ground.
- Avoid collisions or damaging impact from a fall.

3.Speed when using

- To be used intermittently by human power. Not to be pulled or towed by motor power. Walking speed within 4 km/h
- Cart may tip over. Do not begin pushing suddenly.

4. Environment appropriate for use

•To be used in room temperature environments. Avoid abnormal temperatures, chemical materials extreme oil water salt etc.

Temperature appropriate for use: 10℃~ 30℃

5. Precautions for assembly

- In the case of swivel casters, ensure the kingpin is perpendicular
- In the case of fixed casters, ensure the casters are parallel to each other. Do not attach the casters in a direction which opposes the intended running direction.
- Tighten mounting screws by first confirming size and appropriate amount of torque and then

using the appropriate sized hexagon wrench.

6. Periodic inspection, maintenance, replacement

- To prevent accidents and facilitate long usage, inspect, maintain, and replace casters
- Before use, confirm the damper is not leaking oil (by feeling with your hand, or using a mirror and looking). If abnormal, replace immediately.
- After use, blow air to remove any foreign substances (dust, etc.) stuck to the damper.
- Ensure that the horn, wheel axle, and stopper are attached and have not come loose. If abnormal, reattach or replace.
- If the wheel, fastening, etc., has broken or worn down, replace as necessary.
- If you notice any malfunctions, please contact your dealer immediately.

[Recommended inspection, period of use before considering replacement] • Inspect casters when whichever event below comes first. If there are any abnormalities,

(e.g., is the wheel or metal fastening broken or worn down? is oil leaking? etc.), replacement

1.one year after purchase

2 pushed 200 km since start of use

3.crossed uneven surface level (3mm or less) 200,000 times since start of use

This is an approximate guide to length of period of use before inspection is recommended However, if standard load exceeds 30daN, optimal load exceeds 103daN, or speed exceeds 3km/h often, or abnormal objects are often attached, inspection or consideration of replacement is recommended at a correspondingly earlier time.

7.Storage method

- Store indoors, at a temperature within the range appropriate for use
- Do not leave or store in a place where casters will contact rain or water, or in damp places.
- Do not leave or store in a place where casters will receive heat from direct sunlight, stoves, etc.
- If left for a long time in temperatures below -10°C, oil may leak. Pay attention to storage methods in cold places.
- * Due to product improvement, specifications are subject to change without prior notice.



Improper usage may result in injury or moderate physical damage



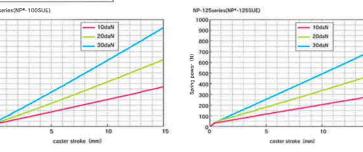


Not to be used to carry tall objects with a high center of



carry objects that are unevenly placed, or with an unbalanced center of gravity

Spring power features



Comparison of vibration acceleration

