

# GRDU

## Total Lock Series



Swivel Head Section



Total Lock System



Wheel Face Brake



Directional Lock

### 4,000 Lbs. Load Capacity Forged Kingpinless Type Casters

Single piece Drop Forged AISI 1045 Steel Top Plate and Fork Base

Precision CNC Machined Raceways - 3" dia with 1/2" ball bearings

Induction Hardening of Raceways ensures uniform depth of hardness

Totally Sealed Swivel Head with Grease Nipple

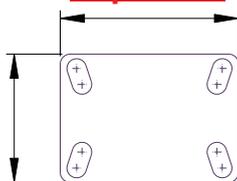
5/16" Thick x 2-1/2" wide fork legs robotically welded Inside and Outside to 3-1/2" fork spacing

3/4" Wheel Axle

4 Position Directional Lock Slots

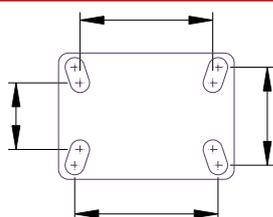
Finish: Bright Zinc Plated

#### Top Plate



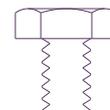
4-1/2" x 6-1/4"

#### Bolt Hole Centers



2-7/16 x 4-15/16  
Slotted To  
3-3/8" x 5-1/4"

#### Attaching Bolt Size



1/2"

## 'GRDU' SERIES CASTERS WITH 'SAS' SERIES HIGH LOAD CAPACITY POLYURETHANE WHEELS

- High Load Capacity Liquid Cast Premium Polyurethane Wheels 93 + 3 Shore A
- Polyurethane firmly bonded to precision machined Cast Iron Core
- Low rolling resistance, Smooth and Noiseless running.
- Non-Marking and floor protective.
- High Abrasion, Cut and Tear resistant
- 100% tested and guaranteed against Bond Failures.
- Bearing Options: Precision Ball Bearings; Tapered Roller Bearings; Roller Bearings;
- Temperature Range: -40°F to + 180°F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-SAS	GRDU-63S-SAS-TL	GRDU-63R-SAS	6	3	2300	7-1/2	5-1/2	6	10-1/2
GRDU-83S-SAS	GRDU-83S-SAS-TL	GRDU-83R-SAS	8	3	3100	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-SAS	GRDU-103S-SAS-TL	GRDU-103R-SAS	10	3	4000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-SAS	GRDU-123S-SAS-TL	GRDU-123R-SAS	12	3	4000	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'SZS' SERIES THICK TREADED ELASTIC URETHANE WHEELS

- Elastic 85±3 Shore A Liquid Cast Polyurethane firmly bonded to Cast Iron Core
- Reduced noise due to cushioning of loads,
- Lively Polyurethane allows wheels to 'Flex and Roll' over debris
- Excellent for power towing applications
- Non-Marking and floor protective.
- 100% Tested and Guaranteed against bond failures
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings; Roller Bearings;
- Temperature Range:- -40° F to + 180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-SZS	GRDU-63S-SZS-TL	GRDU-63R-SZS	6	3	1750	7-1/2	5-1/2	6	10-1/2
GRDU-83S-SZS	GRDU-83S-SZS-TL	GRDU-83R-SZS	8	3	2400	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-SZS	GRDU-103S-SZS-TL	GRDU-103R-SZS	10	3	3100	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-SZS	GRDU-123S-SZS-TL	GRDU-123R-SZS	12	3	3500	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'ME' SERIES ERGONOMIC WHEELS

- Ergonomic Premium Polyurethane Wheels for low Push-Pull Efforts
- Polyurethane 93 ± 3 Shore A mechanically and chemically bonded to precision machined cores.
- Non-Marking and floor protective.
- 100% Tested and Guaranteed against bond failures
- Tread Options : Softer 80A – Yellow Tread (Specify ME-Z) and Harder 73D –Blue Tread (Specify ME-F)
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings; Roller Bearings;
- Temperature Range:- -40° F to + 180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-ME	GRDU-63S-ME-TL	GRDU-63R-ME	6	3	1850	7-1/2	5-1/2	6	10-1/2
GRDU-83S-ME	GRDU-83S-ME-TL	GRDU-83R-ME	8	3	2400	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-ME	GRDU-103S-ME-TL	GRDU-103R-ME	10	3	2850	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-ME	GRDU-123S-ME-TL	GRDU-123R-ME	12	3	3500	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'SFS' SERIES SOLID ELASTOMER WHEELS

- The Ultimate Real Solid Elastomer Wheels exclusively developed by Muvtons Premium Liquid Cast 73 ± 3 Shore D Polyurethane locked mechanically to a non-corrosive metallic core that holds the precision bearings and provides structural rigidity.
- Resist compression set and provide excellent resilience for easy movement
- Non-Marking and floor protective
- Can be used for corrosive applications with suitable bearings.
- 100% Tested and Guaranteed against failures
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings  
Roller Bearings
- Temperature Range:- -40° F to + 180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU63S-SFS	GRDU-63S-SFS-TL	GRDU-63R-SFS	6	3	2400	7-1/2	5-1/2	6	10-1/2
GRDU83S-SFS	GRDU-83S-SFS-TL	GRDU-83R-SFS	8	3	2500	10-1/8	6-1/2	6-1/2	11-1/2
GRDU103S-SFS	GRDU-103S-SFS-TL	GRDU-103R-SFS	10	3	3000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-SFS	GRDU-123S-SFS-TL	GRDU-123R-SFS	12	3	3400	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'SJS' SERIES POLYURETHANE WHEELS

- Liquid Cast Polyurethane 93 ± 3 Shore A firmly bonded to precision machined Cast Iron Cores.
- Low rolling resistance; Smooth and noiseless running
- Non-Marking and floor protective
- Good Abrasion and cut resistance
- 100% Tested and Guaranteed against bond failures
- Ideal for medium duty applications
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings  
Roller Bearings
- Temperature Range: -40° F to +180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-SJS	GRDU-63S-SJS-TL	GRDU-63R-SJS	6	3	2100	7-1/2	5-1/2	6	10-1/2
GRDU-83S-SJS	GRDU-83S-SJS-TL	GRDU-83R-SJS	8	3	2500	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-SJS	GRDU-103S-SJS-TL	GRDU-103R-SJS	10	3	3000	11-1/2	7-3/4	7-3/4	10-1/4
GRDU-123S-SJS	GRDU-123S-SJS-TL	GRDU-123R-SJS	12	3	3500	13-1/2	9-1/4	9-1/4	11-3/4

## 'GRDU' SERIES CASTERS WITH 'SEB' SERIES HEAVY DUTY MOLDON RUBBER WHEELS

- Elastic Rubber tired wheels chemically bonded to precision machined Cast Iron Cores.
- Highly resilient 75 ± 5 Shore A rubber.
- Smooth and silent running in power towing applications.
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings  
Roller Bearings
- Temperature Range: -40° F to +180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-SEB	GRDU-63S-SEB-TL	GRDU-63R-SEB	6	3	950	7-1/2	5-1/2	6	10-1/2
GRDU-83S-SEB	GRDU-83S-SEB-TL	GRDU-83R-SEB	8	3	1200	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-SEB	GRDU-103S-SEB-TL	GRDU-103R-SEB	10	3	1650	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-SEB	GRDU-123S-SEB-TL	GRDU-123R-SEB	12	3	1850	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH MOR SERIES MOLDON RUBBER WHEELS

- Black rubber wheels firmly bonded to precision machined Cast Iron Cores
- Smooth and silent running
- Good quality 75 Shore A rubber with minimum Tensile Strength of 1000 psi
- Suitable for medium duty hand truck applications.
- Bearing Options:- Roller Bearings, Precision Ball Bearings;
- Temperature Range: -40° F to + 180° F



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-MOR	GRDU-63S-MOR-TL	GRDU-63R-MOR	6	3	680	7-1/2	5-1/2	6	10-1/2
GRDU-83S-MOR	GRDU-83S-MOR-TL	GRDU-83R-MOR	8	3	850	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-MOR	GRDU-103S-MOR-TL	GRDU-103R-MOR	10	3	1000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-MOR	GRDU-123S-MOR-TL	GRDU-123R-MOR	12	3	1150	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'MCI' SERIES CAST IRON WHEELS

- Special Grey cast iron wheels - solid core construction
- Fully machined tread faces – crown treaded for easy maneuverability.
- High abrasion and oil resistant
- Can be used upto 800° F with appropriate wheel bearings.
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings
- Temperature Range: upto 800° F with appropriate bearings



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-MCI	GRDU-63S-MCI-TL	GRDU-63R-MCI	6	3	2500	7-1/2	5-1/2	6	10-1/2
GRDU-83S-MCI	GRDU-83S-MCI-TL	GRDU-83R-MCI	8	3	3500	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-MCI	GRDU-103S-MCI-TL	GRDU-103R-MCI	10	3	4000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-MCI	GRDU-123S-MCI-TL	GRDU-123R-MCI	12	3	4000	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'MDW' SERIES DUCTILE STEEL WHEELS

- Special Ductile Cast Steel wheels with fully machined tread face
- Crown Tread Face makes maneuverability easy
- Higher Load Capacities compared to Cast Iron Wheels
- Suitable for extra heavy loads towed in punishing conditions.
- High abrasion and oil resistance
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings
- Temperature Range: upto 800° F with appropriate bearings



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-MDW	GRDU-63S-MDW-TL	GRDU-63R-MDW	6	3	3300	7-1/2	5-1/2	6	10-1/2
GRDU-103S-MDW	GRDU-103S-MDW-TL	GRDU-103R-MDW	10	3	4000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-MDW	GRDU-123S-MDW-TL	GRDU-123R-MDW	12	3	4000	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH 'DF' SERIES DROP FORGED STEEL WHEELS

- Hot forged from AISI 1045 steel with fully machined tread faces
- Virtually indestructible and easy to maneuver
- High abrasion and oil resistant
- Can be used in the roughest of applications on the poorest of floors
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings  
Roller Bearings
- Temperature Range: -150° F upto 800° F with appropriate bearings



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU63S-DF	GRDU-63S-DF-TL	GRDU-63R-DF	6	3	4000	7-1/2	5-1/2	6	10-1/2
GRDU83S-DF	GRDU-83S-DF-TL	GRDU-83R-DF	8	3	4000	10-1/8	6-1/2	6-1/2	11-1/2
GRDU103S-DF	GRDU-103S-DF-TL	GRDU-103R-DF	10	3	4000	11-1/2	7-3/4	7-3/4	12-3/4
GRDU-123S-DF	GRDU-123S-DF-TL	GRDU-123R-DF	12	3	4000	13-1/2	9-1/4	9-1/4	14-1/4

## 'GRDU' SERIES CASTERS WITH MUVTUFF 'MCNY' SERIES CAST POLY WHEELS

- Machined from Tough, High Impact resistant Cast Polyamide
- Ultimate choice for Extremely High Load applications to replace metallic wheels
- Offer very high Abrasion resistance and very low rolling resistance under extreme loads
- Resistant to Salt, Grease, Alcohol and mild acids - can be used in corrosive applications with appropriate bearings
- Bearing Options:- Precision Ball Bearings; Tapered Roller Bearings  
Roller Bearings
- Temperature Range: -40° F to +180° F with appropriate bearings



Part No. Swivel Caster	Part No. Swivel with Total Lock	Part No. Rigid Caster	Wheel Dia (inch)	Tread Width (inch)	Load Capacity (Lbs)	Overall Height (inch)	Swivel Radius (inch)	Swivel Radius with Total Lock (inch)	Swivel Radius with Wheel Brake (inch)
GRDU-63S-MCNY	GRDU-63S-MCNY-TL	GRDU-63R-MCNY	6	3	4000	7-1/2	5-1/2	6	10-1/2
GRDU-83S-MCNY	GRDU-83S-MCNY-TL	GRDU-83R-MCNY	8	3	4000	10-1/8	6-1/2	6-1/2	11-1/2
GRDU-103S-MCNY	GRDU-102S-MCNY-TL	GRDU-102R-MCNY	10	3	4000	11-1/2	7-3/4	7-3/4	10-1/4
GRDU-123S-MCNY	GRDU-123S-MCNY-TL	GRDU-123R-MCNY	12	3	4000	13-1/2	9-1/4	9-1/4	11-3/4

