

## GIBRALTAR, HERCULES AND SAMSON SERIES

### TRIPODS



Moog incorporates over 75 years of experience in the design and manufacture of tripod support and positioning systems with unsurpassed reliability and performance.

When your application relies upon the critical performance of a tripod system the Gibraltar, Hercules and Samson series provide proven dependability.

As the leader in instrument support and positioning systems, we offer a wide variety of tripods, heads and accessories to meet the challenging demands of our industrial and military users as well as custom solutions to satisfy your unique requirements.



# TRIPODS – SPECIFICATIONS

## GIBRALTAR TRIPODS SPECIFICATIONS

Product Number	4-60450-0A	4-63020-8A	4-63120-6A
Description	Tripod-AMT	Tripod with Column	Tripod with Column
Load Capacity	400 lb (181.8 kg)	200 lb (91 kg)	200 lb (91 kg)
Maximum Height	41 in (104 cm)	85 in (216 cm)	65 in (165.1 cm)
Minimum Height	25 in (64.5 cm)	41.5 in (105 cm)	30 in (76.2 cm)
Dimensions (Transport Mode)	13 x 30.4 in (33.4 x 77.3 cm)	17.4 x 49 in (44.2 x 124.5 cm)	17.5 x 37 in (44 x 93 cm)
Maximum Spread (Diameter)	72 in (182.9 cm)	95 in (242 cm)	73.6 in (187 cm)
Weight	23 lb (10.4 kg)	41.6 lb (18.9 kg)	33.5 lb (15 kg)
Column Travel	No Column	21 in (53.3 cm)	21 in (53.3 cm)
Column Outside Diameter	N/A	2.37 in (6.02 cm)	2.37 in (6.02 cm)
Foot Plate Diameter	6 in (15.2 cm) to 3/8 in Hole for Staking	6 in (15.2 cm) to 3/8 in Hole for Staking	6 in (15.2 cm) to 3/8 in Hole for Staking
Color Options	Black, Marine Grey, Olive Drab & Desert Tan (CARC)		

## HERCULES TRIPODS SPECIFICATIONS

Product Number	4-53021-8	4-53220-6	4-53031-7BQ	4-54504-2
Description	Tripod with Column	Tripod with Column – Short	Tripod with Column – Extended Height	Pedestal – Mobile
Load Capacity	150 lb (68 kg)	150 lb (68 kg)	150 lb (68 kg)	80 lb (36 kg)
Maximum Height	70 in (178 cm)	57 in (144 cm)	155 in (393.7 cm)	56 in (142 cm)
Minimum Height	31.6 in (80.3 cm)	26 in (66 cm)	75 in (190.5 cm)	38 in (96.5 cm)
Dimensions (Transport Mode)	40.5 x 12.5 in (102 x 31.3 cm)	30 x 12.5 in (76 x 31.3 cm)	88 x 13.5 x 13 in (223.5 x 34.3 x 33 cm)	38 x 14 in (97 x 35 cm) (Not Assembled)
Maximum Spread (Diameter)	86 in (217.8 cm)	57.5 in (146.1 cm)	178.8 in (454 cm)	34 in (85 cm)
Weight	25.4 lb (11.5 kg)	21.2 lb (9.6 kg)	46 lb (20.9 kg)	35 lb (15.9 kg)
Column Travel	18 in (45 cm)	18 in (45 cm)	17.5 in (44.4 cm)	18 in (45 cm)
Column Outside Diameter	2 in (5 cm)	2 in (5 cm)	2 in (5 cm)	2 in (5 cm)
Foot Plate Diameter	4 in (10 cm) 3/8 in Hole for Staking	4 in (10 cm) 3/8 in Hole for Staking	4 in (10 cm) 3/8 in Hole for Staking	N/A
Color Options	Black, Marine Grey, Olive Drab & Desert Tan (CARC)			



Gibraltar Tripod (4-60540-0A)  
with special head configuration



Hercules Tripod (4-53021-8)  
with special head configuration

## SAMSON TRIPODS SPECIFICATIONS

Product Number	4-73010-7B	4-73500-7B	4-74429	4-74420-7B
Description	Tripod with Column	Tripod with Column – Short	Tripod without Column	Tripod with Friction Head
Load Capacity	40 lb (18.2 kg)	40 lb (18.2 kg)	50 lb (22.7 kg)	35 lb (16 kg)
Maximum Height	76 in (193 cm)	60 in (152 cm)	38.2 in (97 cm)	64 in (162 cm)
Minimum Height	34 in (86.4 cm)	24 in (61 cm)	19 in (48.3 cm)	40 in (102 cm)
Dimensions (Transport Mode)	38.6 x 7.5 in (98 x 19 cm)	24 x 10 in (61.7 x 24.7 cm)	22.8 x 10 in (57.9 x 25.4 cm)	45 x 10.5 in (114 x 26.7 cm)
Maximum Spread (Diameter)	70 in (177.8 cm)	47 in (119 cm)	58 in (147.3 cm)	76 in (193 cm)
Weight	10 lb (4.5 kg)	8.5 lb (3.8 kg)	7 lb (3.2 kg)	15.5 lb (7 kg)
Leg Sections	2	3	3	2
Column Travel	18 in (45 cm)	18 in (45 cm)	N/A	N/A
Column Outside Diameter	1.75 in (4.4 cm)	1.75 in (4.4 cm)	N/A	N/A
Rubber Feet / Spike Feet	Yes	Yes	N/A	4 in (10 cm) 3/8 in Hole for Staking
Color Options	Black, Marine Grey, Olive Drab & Desert Tan (CARC)			



Samson Tripod (4-74420-7B)

# TRIPOD HEADS – SPECIFICATIONS

## GIBRALTAR TRIPOD HEADS SPECIFICATIONS

		
Product Number	4-62050-6	4-62926-7
Description	Head – Relay Tilt with Vernier Scales	Head-Geared with Vernier Scale
Mates With	4-60450 Tripod	4-63020 & 4-63120 Tripods
Load Capacity	330 lb (150 kg)	180 lb (90.9 kg)
Dimensions (Without Arm) *as measured after mounting	8.1 x 6.7 x 8 in (20.6 x 17 x 20.3 cm)	12.5 x 10 x 13 in (31.8 x 25.4 x 33 cm)
Control Arm	Optional	N/A
Weight	30 lb (13.6 kg)	21 lb (9.5 kg)
Mounting Type	Spanner Nut 2.75 in – 12 (6.8 cm)	Head has Male Post OD of 1.75 in – Mates with Gibraltar Column ID
Pan Movement	360°	360°
Tilt Movement	30° Up, 38° Down	53° Up, 67° Down
Payload Screw	1/2 in – 13 Female Threads (Center)	3/8 in – 16 Male Thread
Payload Plate	5-3/8 x 6.5 in (13.7 x 16.5 cm)	8 x 10 in Fixed (20 x 25.4 cm)
Additional Features	Heavy Duty Lock Model Available (Model #4-64051-4)	N/A

## HERCULES TRIPOD HEADS SPECIFICATIONS

			
Product Number	4-52304-9	4-52217-3	4-52926-9
Description	Head-Cam	Head-Geared with Platform	Head-Geared with Calibrations
Mates With	All Hercules models with an adjustable column (e.g. 4-53021-8, 4-53220-6 and 4-53031-7BQ)		
Load Capacity	80 lb (36.3 kg)	50 lb (22.7 kg)	30 lb (13.6 kg)
Dimensions (Without Arm) *as measured after mounting	11.75 x 6.5 x 8.5 in (29.8 x 16.5 x 21.6 cm)	9.7 x 7.8 x 11.2 in (24.6 x 19.8 x 28.4 cm)	9.5 x 9 x 10.5 in (24.1 x 22.9 x 26.7 cm)
Control Arm	2	N/A	N/A
Weight	13.5 lb (6.1 kg) with 2 Control Arms	12 lb (5.5 kg)	9.3 lb (4.2 kg)
Mounting Type	Head has Male Post OD of 1.25 in – Mates with Hercules Column ID		
Pan Movement	360°	360°	360°
Tilt Movement	35° Up, 45° Down	45° Up, 45° Down	45° Up, 90° Down
Camera Screw	2 x 1/4 in – 20 Male Thread & 2 x 3/8 in – 16 Male Thread	3/8 in – 16 Male Thread	1/4 in – 20 Male Thread
Camera Plate (Adjustable)	3.7 x 7.3 in (9.4 x 18.5 cm) *Removable	9 x 6 in (22.5 x 15 cm)	4 x 4 in (10 x 10 cm)



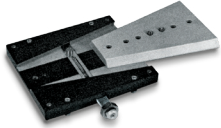
## SAMSON TRIPOD HEADS SPECIFICATIONS

			
Product Number	4-72011-6B	4-72512-3	4-72612-S3
Description	Head Friction	Head-Geared and Side Tilt	Head-Geared
Load Capacity	35 lb (16 kg)	25 lb (11.4 kg)	35 lb (16 kg)
Dimensions (Without Control Arms)	5.5 x 6.5 x 6.5 in (14.1 x 16.6 x 16.6 cm)	8.5 x 6.5 x 6 in (21.6 x 16.5 x 15.2 cm)	6.25 x 6.5 x 5.5 in (15.9 x 16.5 x 14 cm)
Control Arm	2	0	1
Weight	2.5 lb (1.1 kg)	2.5 lb (1.1 kg)	2 lb (1 kg)
Mounting Type	Head has a 1.75 in ID Sleeve Coupling to accept Samson Columns		
Pan Movement	360°	360°	360°
Tilt Movement	45° Up, 90° Down	45° Up, 90° Down	35° Up, 90° Down
Gear Ratio	N/A	1:150	1:150
Camera Screw	1/4 in-20 Male Thread	1/4 in-20 Male Thread	1/4 in-20 Male Thread
Camera Plate (Adjustable)	2.25 x 4.25 in (5.6 x 10.6 cm) Fixed	6.25 x 8.5 in (16.5 x 21.6 cm) Fixed	2.25 x 4.25 in (5.6 x 10.6 cm) Fixed

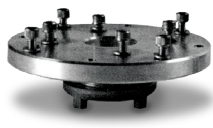


# TRIPOD ACCESSORIES – SPECIFICATIONS

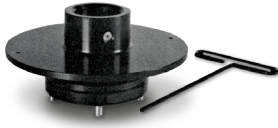


## GIBRALTAR WEDGE SPECIFICATIONS

	
Product Number	Adapter: 4-65701-1 Plate: 4-65901-7
Plate Dimensions	8.5 x 6 x 0.65 in (21.6 x 15.2 x 1.7 cm)
Plate Weight	2 lb (0.97 kg)
Adapter Dimensions	8.5 x 7.5 x 1 in (21.6 x 19 x 2.5 cm)
Adapter Weight	5 lb (2.3 kg)


## GIBRALTAR PAN AND TILT ADAPTER SPECIFICATIONS

	
Product Number	4-65740-9
Fits	Gibraltar 4-60450-0A
Accepts	Any Quickset Pan and Tilt Unit
Flange Diameter	8 in (20.32 cm)
Weight	4.7 lb (2.13 kg)


## GIBRALTAR CONVERSION ADAPTER SPECIFICATIONS

			
Product Number	4-55860-7	4-69010-3	4-65850-6
Fits	Gibraltar 4-60450-0A	Column I.D. 1.75 in (4.4 cm)	Gibraltar 4-60450-0A
Accepts	Heads or Adapters with a Post OD of 1.25 in	Heads or Adapters with a Post OD of 1.25 in	Heads or Adapters with a Post OD of 1.75 in
Weight	2.3 lb (1.04 kg)	13 oz (0.372 kg)	13.5 lb (6.1 kg) with 2 Control Arms
Flange Diameter	7 in (17.8 cm)	N/A	7 in (17.8 cm)


## GIBRALTAR CONTROL ARM SPECIFICATIONS

	
Product Number	4-65330-9
Compatible Heads	4-62050-6, 4-62051-4
Length	16 in (40.6 cm)
Weight	1 lb (0.45 kg)

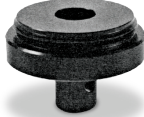
### HERCULES CONTROL ARM SPECIFICATIONS

	
Product Number	4-55040-6
Compatible Heads	4-52304-9
Length	14 to 19.5 in (35.5 to 49.5 cm)
Weight	1.2 lb (0.54 kg)


### HERCULES PAN & TILT ADAPTER SPECIFICATIONS

	
Product Number	4-55730-2
Fits	Hercules Column 1.25 in (3.17 cm) I.D.
Accepts	Pan/Tilt QPT50/90/130
Flange Diameter	6 in (15.24 cm)
Weight	2 lb (.90 kg)


### HERCULES TRANSIT ADAPTER SPECIFICATIONS

	
Product Number	4-55901-9A
Fits	Hercules Column 1.25 in (3.17 cm) I.D.
Accepts	Female 3.5-8 Thread
Weight	1.4 lb (0.63 kg)

### HERCULES THEODOLITE ADAPTER SPECIFICATIONS

	
Product Number	4-55142-0
Fits	Hercules Column 1.25 in (3.17 cm) I.D.
Accepts	5/8-11 Female Thread
Rotates	360°
Flange Ø	5.46 in (13.9 cm)
Weight	2.36 lb (1.07 kg)

### HERCULES & GIBRALTAR DOLLY AND PEDESTAL SPECIFICATIONS


	
Product Number	4-56021
Description	Dolly
Load Capacity	500 lb (227 kg)
Maximum Height	7.5 in (18.7 cm) (Not Adjustable)
Minimum Height	N/A
Dimensions (Transport Mode)	31 x 17.5 x 10.5 in (78 x 44.5 x 26.6 cm)
Maximum Spread	51 in (129.5 cm)
Weight	19.3 lb (8.75 kg)
Column Travel	N/A
Column Outside Diameter	N/A
Mounting Base	N/A
Wheel Diameter	4 x 1 in (10 x 2.5 cm)

### HERCULES CONVERSION ADAPTER SPECIFICATIONS


		
Product Number	4-69020-2	4-75760-5
Fits	Hercules Column 1.25 in (3.17 cm) I.D.	Hercules Column 1.25 in (3.17 cm) I.D.
Accepts	Heads or Adapters with a Post OD of 1.75 in (Gibraltar Products)	Sleeve Couplings with an ID of 1.75 in (Samson Products)
Weight	1 lb (0.45 kg)	1 lb (0.45 kg)

# TRIPOD ACCESSORIES – SPECIFICATIONS

## SAMSON PAN AND TILT ADAPTER SPECIFICATIONS

	
Product Number	4-75915
Fits	Samson Column 1.75 in (4.4 cm) O.D.
Accepts	QPT 20 Pan and Tilts
Weight	12 oz (0.340 kg)

## SAMSON COLUMN ADAPTER SPECIFICATIONS

	
Product Number	4-75750-6
Fits	Samson Column 1.75 in (4.4 cm) O.D.
Accepts	Heads or Adapters with a Post OD of 1.25 in (Hercules Products)
Weight	1 lb (0.45 kg)



**MOOG**

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