For 35 years, Manfrotto has been building the world’s widest range of tripods, heads and dedicated accessories to support professional and semi-professional still camera, from the traditional small, medium and large format to the latest digital camera. Every product in our range is designed to provide a perfect combination of important features such as: load capacity, size, stability, transportability, interchangeability and construction quality -- guaranteeing unique, inimitable reliability and longevity. Carefully combined characteristics offer you the greatest possible positioning freedom, matched with a sturdiness that ensures outstanding performance no matter what system, type or camera format you use. From 3 or 4 section aluminum carbon fiber tripod legs to 3D, geared or center ball heads in magnesium or aluminum, the range responds to all photo demands and is backed up by an even greater range of accessories. How can we be so sure we can answer all of your demands? Because we always stay close to our exacting professional users throughout the world, and are always ready to take up their suggestions, comments and desires to improve our products and our service to you. Manfrotto supports your creativity without compromise!

Harry De Zitter is the first of many artists whose work will be featured in the Manfrotto catalogs in the years to come. Harry De Zitter has been a user and collaborator/advisor with Manfotto since 1971.

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KEY TO SYMBOLS

- Closed Length
- Minimum Height
- Maximum Height
- Maximum Height with Extended Center Column
- Footprint Diameter
- Weight
- Maximum Load Capacity
- Head Height
- Plate Supplied with the Head
- Suggested Dolly

- All stated maximum load capacities are measured centered on the tripod/head mounting point.
**COMPACT PORTABLE HIGH LOAD CAPACITY**

Everybody’s dream is to own a tripod which weighs nearly nothing and fits in your pocket but is able to support a ton of equipment at 32.8’!

We need to make trade-offs. Below is a simple chart which shows the load and relevant height that will provide a proper support for your equipment.

**FAST OR PRECISE?**

The choice of a head is always an issue in view of the wide range of products that we offer. Using the parameters of speed and precision, the chart below guides you among our four types of photographic heads.

**WHICH CAMERA?**

The latest digital revolution has expanded the world of photographic cameras. Based on the camera’s weight, the chart shows the tripods we suggest to use to achieve rock solid support.

**WHAT TYPE OF PHOTOS?**

Combining a camera with the right head is always difficult because photographic technique and our personal way of taking pictures require supports which can differ significantly. Below we recommend which heads will work best with the most well known subject categories.

**CAMERA RANGE**

**TRIPOD RANGE**

**HEAD RANGE**

---

1. If your decision is guided first and foremost by **height** range, tripod **weight/size** and **stability**, then choose your tripod first, and then select the head that matches the tripod.

2. If you specialize in one particular **type of photography** or want **versatility**, if extreme **speed** or extreme **precision** in camera positioning is vital, choose your head first:

---

**WHAT HEIGHT RANGE?**

Sometimes we choose a tripod only by its maximum height without paying much attention to its minimum height. The chart indicates the range of working heights offered by our line of tripods.
DIGI TRIPODS
Manfrotto’s new compact DIGI tripods are designed to match the technology and features of lightweight compact cameras and the convenience of digital photography, without sacrificing the outstanding support that makes Manfrotto the world’s leading producer of tripods for demanding professional photographers. Because whatever miracles digital technology may have worked, professionals know that blurry photos are still a problem... and that a good quality tripod is probably the most useful accessory you’ll ever own.

BUILT-IN HEAD ON ALL MODELS

**714B-714SHB** Retractable micro ball head with “permanent friction” mechanism

**718B-718SHB** Hybrid photo/video 3-way head with quick release plate

**724B** Sturdy ball head with single ratchet locking lever suitable for heavier equipment

**728B** 3-way head with quick release plate

---

Innovative weight-saving design

Anti-torsion “D” profile tubing

Quick action lever leg locks

Rucksack-style bag included

Angled foot for more stable grip

---

20in

16in

12in

8in

4in

714SHB 714B 718SHB 718B 724B 728B
Digi Tripods

**DIGI MICRO TRIPOD WITH PERMANENT FRICTION BALL HEAD 714SHB**

- 13.8in
- 12.8in
- 47.7in
- 38.3in
- 2.2lb
- 5.5lb

The most compact, full size tripod in the Manfrotto range -- the 714SHB DIGI MICRO is a four-section tripod with an integral ball head that retracts into the main shoulder casting for an even shorter folded length in transport. The leg pivot uses a unique single hinge design in aluminum which both keeps the cross section smaller and allows the leg to fold shorter than conventional tripods. The built-in ball head allows you to adjust and set its friction so that it balances the weight of your camera without needing to lock and unlock between positions. All you have to do is point the camera and shoot. Adjustment is via a handle found on the bottom of the column; set it for your camera and forget it! If you prefer to lock the head for extra security, just turn the handle one more time. Despite the reduced size, there’s been no compromise on stability.

**Head movements:** pan 360° / tilt +90° -90°

PAT. PENDING

**DIGI MINI TRIPOD WITH PERMANENT FRICTION BALL HEAD 714B**

- 17.3in
- 15.9in
- 64.2in
- 52.4in
- 2.5lb
- 5.5lb

Same as the 714SHB, but with longer leg tubes for greater extended height.

PAT. PENDING

**DIGI TABLE TRIPOD 709B**

- 7.9" 
- 4.3" 
- 4.3" 
- 0.4lbs 
- 4.4lbs

A tiny table-top tripod perfect for a number of applications. It fits in your pocket or in its own belt-loop carrying pouch (available as an accessory) and sets up in seconds to provide a stable shooting platform that can be used virtually anywhere, indoors or out. The 709B comes complete with an integrated Manfrotto mini ball head. Head movements: 360° pan and ±90° tilt. Black finish.

**SILVER BRIGHT DIGI TABLE TRIPOD 709BR**

Same design, size and features as the 709B, but in a stylish bright silver finish.

**TABLE TOP TRIPOD KIT 3007KIT**

- 7.5in
- 9.8in
- 14in
- 66lbs
- 4.4lbs

Small and portable, this table top tripod kit fits into any camera bag, ready to give quick support to a lightweight camera. Comprised of: Mini Ball Head 482, Table Top Tripod 209, Extension 259B (Extension from 6.1in to 9.8in) and Bag 345BAG (also sold as individual items).
DIGI TRIPOD WITH 3-WAY HEAD 718SHB

Like the 714SHB, the 718SHB is an extremely compact 4-section tripod with a short folded length that will fit in your luggage with space left over. The 718SHB has a built-in hybrid video/photo 3-way head with a "dovetail" quick release camera plate (can be locked in place one-handed), separate pan and tilt locks, and a short pan/tilt bar for more ergonomic use while panning or tracking moving subjects. The leg pivot system uses a unique single hinge design in aluminum which keeps the cross section smaller and allows the leg to fold shorter than conventional tripods.

**Head movements:** pan 360° / tilt +150° -80° / level +90° -0°

DIGI TRIPOD WITH 3-WAY HEAD 718B

Same as the 718SHB, but with longer leg tubes for greater extended height.

DIGI TRIPOD WITH BALL HEAD 724B

Incorporating a traditional ball head with +90° / -90° portrait orientation grooves and single repositionable "ratchet" locking lever, the 724B is a 4-section tripod with slightly larger top casting and leg tubes than the 714 and 718 models, giving it a higher load capacity. The leg pivot system uses a unique single hinge design in aluminum which keeps the cross section smaller and allows the leg to fold shorter than conventional tripods.

**Head movements:** pan 360° / tilt +90° -90°

DIGI TRIPOD WITH 3-WAY HEAD 728B

The 728B has a built-in smooth-moving 3-way head in cast aluminum suitable for use with small video cameras as well as with photographic equipment. The head has separate pan and tilt locks, a quick release camera plate and a short pan/tilt bar for more ergonomic use, particularly while panning or tracking moving subjects. The leg pivot system uses a unique single hinge design in aluminum which keeps the cross section smaller and allows the leg to fold shorter than conventional tripods.

**Head movements:** pan 360° / tilt +90° -75° / level +90° -0°
**LIGHTWEIGHT TRIPOD**

3001N, 3001D, 3001PRO, 3205GN3, 190MF3, 190MF4

**SUGGESTED HEADS**

<table>
<thead>
<tr>
<th>Ball Head</th>
<th>Three-way Head</th>
<th>Geared Head</th>
<th>Two-way Head</th>
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<tr>
<td>484</td>
<td>3437</td>
<td>3275</td>
<td>390RC2</td>
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<td>484RC2</td>
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<td>3028</td>
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<td>700RC2</td>
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<td>486RC2</td>
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<td>3265</td>
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<td>3130</td>
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<tr>
<td>3265G</td>
<td>3030G</td>
<td></td>
<td>3130G</td>
</tr>
</tbody>
</table>

Harry De Zitter
LIGHTWEIGHT TRIPOD

The Manfrotto lightweight tripod range provides the best mix of performance and compactness for professional applications. The range is made up of six different models, all with common metal construction of legs, top spider and center column action mechanism. They begin to differ depending on the type of application they will be used for. The photographers who are always “on the road” usually choose the very light MAGFIBERS, which use carbon fiber, three-faceted leg tubes, magnesium die casting, quick lever leg locks and the patented vertical/horizontal center column positioning system. The 3001PRO & 3001D are more solid but heavier because of their all aluminum construction. They have built-in leg warmers which help to keep your hands protected in cold weather and protect the body when carrying the tripod on your shoulder.

Four different leg angles (25°, 43°, 73°, 90°)

All of the tripods’ metal parts are made of aluminum or magnesium die casting depending on the model

Innovative three-faceted center column

On models 3001D, 3001PRO, 3205GN3: two foam rubber leg grips for cold weather use

On models 3001D, 3001PRO, 190MF3, 190MF4: redesigned low angle adapter built-in the center column

On models 3001D, 3001PRO, 190MF3, 190MF4: dual positioning center column

On models 3001D, 3001PRO, 190MF3, 190MF4: carrying handle

All tripod legs are made of round aluminum or three-faceted carbon fiber tubes depending on the model

On model 3001N: head to tripod attachment by a 3/8” male thread

On model 3001D: low angle adapter stores on bottom of center column

On models 3001PRO, 190MF3, 190MF4: dual positioning center column

On models 3001PRO, 190MF3, 190MF4: low angle adapter stores on bottom of center column

Quick-action leg lever locks

Only on model 3001N: wing knobs provide secure locking

24in

20in

16in

12in

8in

4in

3001N 3001D 3001PRO 3205GN3 190MF4 190MF3
Lightweight Tripods

**BASIC TRIPOD 3001N**

- **Dimensions:** 20.9 in x 3.1 in x 57.1 in
- **Weight:** 3.7 lb
- **Code:** 3127/3137

This lightweight, sturdy and portable tripod is one of the easiest of all Manfrotto tripods to handle. Designed for traditional and digital compact and SLR cameras, as well as video camcorders.

**CLASSIC TRIPOD 3001D**

- **Dimensions:** 20.9 in x 3.1 in x 57.1 in
- **Weight:** 4.2 lb
- **Code:** 3127/3137

The 3001D provides speedy set up coupled with added security with our quick-action, lever-type leg locks, low angle adapter and two leg warmers. Ideal for SLR and light to medium format cameras, digital or film type, as well as video camcorders.

**PRO TRIPOD 3001PRO**

- **Dimensions:** 22 in x 4.3 in x 57.1 in
- **Weight:** 4.2 lb
- **Code:** 3127/3137

Professionals will love this extremely versatile version. The tripod has an easily removed center column that can be used horizontally or vertically. This option allows you to convert the column to an arm in a second, providing complete perpendicular positioning that is impossible with standard tripods. The center column is also equipped with a newly designed low angle adapter. A built-in spirit level and two leg warmers round out the PRO’s features. It can perfectly support SLR and light medium format cameras, digital or film type, as well as video camcorders.

**TRACKER TRIPOD GREEN 3205GN3**

- **Dimensions:** 22.6 in x 16.5 in x 58.3 in
- **Weight:** 4.9 lb

This tripod is designed for nature photography and bird watching, using either small format film and digital cameras equipped with telephoto lenses or spotting scopes. The 3205GN3 has top leg sections and castings in green with lower leg sections in black.

---

**Black versions:**  
3001BD  3001BN  3001BPRO  3205GN3
This tripod represents the top of the Manfrotto lightweight tripod range, providing professional photographers a tripod that is very light, compact, simple to use, yet high quality, strong and extremely versatile to position. To reduce the weight of the tripod without any compromises on stability and rigidity, the legs are made of unique, three-faceted carbon fiber tubes of 1.2 mm thickness combined with quick-action, magnesium and resin lever locks. The top spider uses the patented design of the 3001PRO tripod, which is able to achieve four leg angle settings and convert the center column to a lateral arm. The center column used in this tripod comes from the latest generation of aluminum and resin which allows you to leave the head mounted on the center column when switching between low angle and normal shooting positions. All parts are assembled using a proven pressure clamping technology that eliminates failure-prone glue joints for greater durability and in-the-field serviceability. To make transportation easier, the tripod is supplied with a padded carrying strap that can also operate like a hook in order to hang weights from to increase the stability of the tripod during shoots in extreme wind conditions. Ideal support for all advanced and SLR analog/digital camera equipment and spotting scopes.

**MAGFIBER TRIPOD 3 SECTION 190MF3**

- Height: 22 in
- Diameter: 4.3 in
- Weight: 3.5 lb, 8.8 lb
- Code: 3127/3137

Same as the 190MF3 but more compact with four section legs. Ideal tripod to fit in a backpack.

**MAGFIBER TRIPOD 4 SECTION 190MF4**

- Height: 18.1 in
- Diameter: 4.3 in
- Weight: 3.5 lb, 8.8 lb
- Code: 3127/3137
**LIGHTWEIGHT PRO TRIPOD**

3011N, 3021N, 3021PRO, 3221GN3, 055MF3, 055MF4, 458B

**SUGGESTED HEADS**

<table>
<thead>
<tr>
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<th>Three-way Head</th>
<th>Geared Head</th>
<th>Two-way Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>488 series</td>
<td>3047</td>
<td>405</td>
<td>3126</td>
</tr>
<tr>
<td>468MG series</td>
<td>329RC4</td>
<td>3275</td>
<td>3130</td>
</tr>
<tr>
<td>322RC2</td>
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<td>3130G</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>701RC2</td>
</tr>
</tbody>
</table>
LIGHTWEIGHT PRO TRIPOD

The Manfrotto lightweight pro tripod range adopts the same construction as the lightweight series of tripods, but has been resized to handle not only analog and digital SLR cameras, but also heavier medium format shooting equipment, spotting scopes and professional MINI DV camcorders. To offer the necessary sturdiness and stability, we have increased the diameter of the legs, locking collars and top spider. With the introduction of the Neotec tripod, as well as the innovation of the MAGFIBER, this family of products is one of the most advanced support systems available in the market.

- Four different leg angles (25°, 43°, 73°, 90°)
- All metal parts are made of aluminum or magnesium die casting depending on the model
- Innovative three-faceted center column
- On models 3021PRO, 055MF3, 055MF4: redesigned low-angle adapter built in the center column
- On models 3021N, 3021PRO, 3221GN3: two foam rubber leg grips for cold weather use
- Only on models 055MF3, 055MF4 and 458B: carrying handle
- Quick-action leg lever lock
- Only on model 3011N: head to tripod attachment by a 3/8" male thread
- All legs are made of round aluminum or three-faceted carbon fiber tubes depending on the model
**Lightweight Pro Tripods**

**BASIC TRIPOD 3011N**

<table>
<thead>
<tr>
<th>24in</th>
<th>3.1in</th>
<th>71.3in</th>
<th>54in</th>
<th>4.9lb</th>
<th>15.4lb</th>
<th>3127/3137</th>
</tr>
</thead>
</table>

Lightweight, sturdy and portable, this basic tripod is one of the easiest of all Manfrotto tripods to handle. This tripod has been designed for all 35 mm and medium format photographic cameras, digital or film. With a two-way head, it can also be an ideal support for spotting scopes, camcorders or digital video camcorders.

Leg diameter in mm: 30,25,20.
Black version code: 3011BN

**CLASSIC TRIPOD 3021N**

<table>
<thead>
<tr>
<th>24in</th>
<th>3.1in</th>
<th>70.1in</th>
<th>53.1in</th>
<th>5.1lb</th>
<th>15.4lb</th>
<th>3127/3137</th>
</tr>
</thead>
</table>

The 3021N is one of the most versatile and popular tripods in the Manfrotto range. This specific version is lightweight and portable enough to take in the field, and is ideal for medium format and SLR view cameras whether digital or film. Combined with a Manfrotto 3-way head, it becomes one of the most popular supports for spotting scopes in the world.

Leg diameter in mm: 30,25,20. Black version code: 3021BN

**PRO TRIPOD 3021PRO**

<table>
<thead>
<tr>
<th>25.6in</th>
<th>4.3in</th>
<th>69.2in</th>
<th>53.1in</th>
<th>5.3lb</th>
<th>15.4lb</th>
<th>3127/3137</th>
</tr>
</thead>
</table>

Designed for professional photographers, this is an extremely versatile tripod, ideal for small, medium format cameras, digital or film. The tripod has a special center column support that can be easily used as a horizontal lateral arm. This allows the camera to be offset from leg position, and provides the simplest way possible to shoot from directly overhead. The incredible flexibility of the leg angle setting (90°) has forced us to design a special low-angle adapter that has been incorporated in the center column. Two leg warmers are also included.

Leg diameter in mm: 30,25,20. Black version code: 3011BPRO

**TRACKER TRIPOD GREEN 3221GN3**

<table>
<thead>
<tr>
<th>25in</th>
<th>20.1in</th>
<th>71.3in</th>
<th>54.3in</th>
<th>6.2lb</th>
<th>15.4lb</th>
</tr>
</thead>
</table>

The 3221GN3 is the most popular and widely used of our tripods. Its solid construction gives it total stability even under a load of 15lb. It is ideal for spotting scopes, or for film or digital cameras up to medium format equipped with heavy telephoto lenses. The 3221GN3 has top leg sections and castings in green, lower leg sections in black, three leg warmers and a set of detachable rust-free spiked feet.

Leg diameter in mm: 30,25,20.
Specifically designed for extreme outdoor assignments, this tripod uses the same construction as the 3021PRO but uses different materials for the legs and all metal parts. Like the 3021PRO, the 055MF3 has a three-faceted aluminum center column, which can offset the pressure of the locking system and the torsion caused while in the horizontal position. The legs are constructed of 1.2 mm carbon fiber tube combined with magnesium die casting, and quick-action lever locking collars made of magnesium die casting. Each leg can be set independently in one of four angle settings using the dedicated quick-action leg angle selector. The top spider is made of magnesium die casting, and includes the clamping system for the dual position center column plus a built-in bubble level. To assure the best thermal resistance, all parts have been assembled using a proven pressure clamping technology that eliminates failure-prone glue joints for greater durability and in-the-field serviceability. A hand-padded carrying strap, supplied with the tripod, can also operate like a hook to hang weights from in order to increase the stability of the tripod during shoots in extreme wind conditions. It is ideal support for all SLR analog/digital camera equipment, medium format cameras and spotting scopes modified for digiscoping applications.

MAGFIBER PRO TRIPOD 4 SECTION 055MF4

Same as the 055MF3 but more compact due to the 4-section legs. This tripod can even fit in a backpack.
NEOTEC PRO
While designing the Neotec, our design team consciously ignored how most tripods work, and thought instead about how a tripod should work, from how easily and quickly it should be set up to how effortlessly it should close. At the heart of the Neotec lies an innovative mechanism which, hidden safely inside the leg and without any external levers or knobs, pushes outwards on the tubing to lock the leg in place at any extension. The mechanism exerts more locking power the heavier the weight pushing down on it from above. The Neotec offers stable and strong support that can take the strain of constant use and safely bear the load of professional camera equipment. We added new features like a built-in, low-angle adapter and a convenient handle for more comfortable carrying. We also incorporated the key features that have made our professional tripods so successful.

Patented top spider allows horizontal setting of the center column for unusual angles and macro work

Four set leg angle positions for a solid footing at any height

Two-section center column switches between normal and low-angle work, without forcing you to remove camera and head every time you need to change position

Leg lock release button for closing the tripod or shortening each leg for perfect positioning

Detachable carrying handle included

CARRYING STRAP can be used to support a counterweight
Fast and easy to use, the 458B has the innovative Neotec rapid opening and closing mechanism. Just pull each leg downwards to open and automatically lock it in any position, without screws, knobs or levers to tighten or loosen. Then to fold it back up again, press the mechanism release button and push the leg closed. Combined with the 458B’s high load capacity, great min-max height range and its full range of professional features, this makes it the ideal tripod for location work under pressure. The 458B has a built in carrying handle; a two-section center column for low-angle or normal shooting and four set leg angle positions. “Upside down” leg construction also stops the worst of the mud you’re standing in from ending up inside the tripod.

PAT. PENDING

Press the mechanism release button and push the leg upwards. Release at any intermediate point to lock the leg, or push it all the way up to close.
SUGGESTED HEADS

<table>
<thead>
<tr>
<th>Ball Head</th>
<th>Three Way Head</th>
<th>Geared Head</th>
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</thead>
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<td>490RC4</td>
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</tr>
<tr>
<td></td>
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</tr>
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</table>
STUDIO PRO TRIPOD
The Manfrotto studio pro tripod range has been specifically designed to hold shooting equipment that is bulky and heavy such as SLRs equipped with long tele lenses, and medium format or large format cameras. To provide the accuracy and capability needed to support and put in position cameras weighing from 17.6 to 44lb tripod has a center column made of a “non-rollback” three-faceted tube controlled by a gear mechanism; legs made of a combination of extruded and electric welded aluminum tubes; a reinforced die casting aluminum top spider; and an adjustable mid-level spreader system. Depending on the model, the leg locking system can be the traditional turning locking knob, the quick action levers or the time tested automatic leg lock and release system used on the Triaut. The tripods in this range differ in size and weight depending on the minimum/maximum height needed and the load of equipment to support, but each tripod meets all professional photographers’ requirements for indoor or outdoor assignments.
TRIMAN TRIPOD 3046

32.3in 30.3in 89.4in 70.5in 9.1in 26.5in 181B 3067/181B

Strong, sturdy and reliable, the Triman tripod is the ideal studio tripod. The geared center column has a non-rollback feature and has a threaded 3/8" mount on the bottom of the column to allow low-angle shots. Twin shank leg design, built-in spirit level and rubber feet with retractable spikes are standard features. The tripod uses a center column strut design for added stability. It includes a mid-level spreader and carrying strap. Ideal for cameras up to medium format.

Leg diameter in mm: 25, 20, 19 tandem.

Black version code: 3246.

PRO GEARED TRIPOD 475

31.5in 17in 74in 63.7in 9.5lb 26.5lb 3067/181B

All aluminum construction and unrivalled in stability, the 475 Pro Geared Tripod incorporates a unique center brace structure system, reliable quick-action leg locks, non-rollback, three-faceted center column, spirit level and rubber/metal spiked feet. The revolutionary center brace system can be operated in a symmetric or asymmetric way. This allows you to achieve two important results: fast positioning by locking the braces so that all of the legs will spread to the same angle and open instantly, or individual setting of the angle of each leg for the ultimate in tripod flexibility. To avoid annoying delays in leveling the tripod, the telescopic center braces have been designed with two *click stop* positions that allow you to easily find the same spread angle on all three legs.

Leg diameter in mm: 35, 30, 25.

Black version code: 475B.
**Studio Pro Tripods**

**SUPER PRO TRIPOD 3058**

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<th>Feature</th>
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<td>Min Height (in)</td>
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</tr>
<tr>
<td>Max Height (in)</td>
<td>85.4</td>
<td>105.1</td>
</tr>
<tr>
<td>Max Load (lb)</td>
<td>13.6</td>
<td>17.5</td>
</tr>
<tr>
<td>Weight (lb)</td>
<td>26.5</td>
<td>44.1</td>
</tr>
<tr>
<td>Code</td>
<td>3127/3137/3156</td>
<td>3067/181B</td>
</tr>
</tbody>
</table>

The tallest tripod in the range, the Super Pro tripod is capable of providing a stable platform for cameras up to 44lb at a maximum height of 8.8 ft! (On the other hand this giant is also capable of a minimum height of 17.3in). The geared center column is self-locking. The legs are braced using telescopic struts for maximum rigidity and the ability to have individually adjustable and lockable angles. Rubber feet with retractable spiked feet and level are standard equipment. Ideal for all large format cameras.

Leg diameter in mm: 40,35,30.

Black version code: 3258.

**TRIAUT TRIPOD 3051**

<table>
<thead>
<tr>
<th>Feature</th>
<th>3051</th>
<th>3051</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (in)</td>
<td>37</td>
<td>37</td>
</tr>
<tr>
<td>Min Height (in)</td>
<td>17.3</td>
<td>17.3</td>
</tr>
<tr>
<td>Max Height (in)</td>
<td>75.2</td>
<td>85.4</td>
</tr>
<tr>
<td>Max Load (lb)</td>
<td>13.6</td>
<td>13.6</td>
</tr>
<tr>
<td>Weight (lb)</td>
<td>26.5</td>
<td>26.5</td>
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<tr>
<td>Code</td>
<td>3127/3137/3156</td>
<td>3127/3137/3156</td>
</tr>
</tbody>
</table>

The 3051 Triaut is one of the most exciting tripods in the Manfrotto range, featuring patented simultaneous release of all three legs or any individual leg. This permits the legs to be extended, the tripod leveled (spirit level provided) and locked in seconds without ‘fiddling’ with individual leg adjustments. Similarly the telescoping of the legs is achieved by activating the same release. Other important features of this tripod are the ability to adjust all angles individually and secure them with Manfrotto telescopic struts. The Triaut tripod is the favored professional tripod for medium format up to 5 x 4". Rubber feet with retractable spiked feet are standard. Includes carrying strap.

Leg diameter in mm: 30,25,20.

Black version code: 3251

The 3051 features patented simultaneous or individual leg release system that permits the legs to be extended, the tripod leveled (spirit level included) and locked in seconds without the need for individual leg adjustment.
CAMERA STUDIO STANDS

The Manfrotto range of studio stands offers professionals in the studio rock steady support for cameras of all formats. Each stand has a column in black anodized extruded aluminum and is available with either a sliding or a geared horizontal cross arm that can be raised or lowered and moved precisely from side to side to achieve the exact position for the perfect shot. The studio stands have a rigid steel base for stability and incorporate wheels to move them effortlessly around the studio; a break system locks the stand in the required position. Manfrotto studio stands with their practical range of accessories are the cost effective solution to your camera support needs.

MINI STATIC 800

Sturdy, compact, and surprisingly affordable, the versatile Mini Static can handle cameras from 35mm to 4x5" formats. Ideal for I.D., passport work and portraiture. Pneumatically damped black anodized aluminum column extends from a minimum of 36.2in to a height of 63.8in. A 3/8" male thread on column top allows direct mounting of a head. Cast iron base has two pivoting wheels for easy movement and individual locks.

**Compatible accessories:** 3054, 3059, 3153, 820, 828, 844.

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Maximum</th>
<th>Base Dimension</th>
<th>Stand Height</th>
<th>Stand Weight</th>
<th>Maximum Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>36.2in</td>
<td>63.8in</td>
<td>33.5x21.3in</td>
<td>63.8in</td>
<td>50.7lb</td>
<td>17.6lb</td>
</tr>
</tbody>
</table>

MINI SALON 190 806

Designed for 35mm and medium format cameras, the Mini Salon 190 allows working heights from 22in to 71.7in. The counter-balanced column is black anodized aluminum and is mounted on a heavy cast iron base with two pivoting wheels which lock firmly into place with individual wheel locks. It also features a smooth operating counter balanced horizontal gear driven crossarm, supplied with a camera support platform. The crossarm support casting features a built-in accessory tray (7.9x11in).

**Arm length:** 31.5in
**Horizontal arm length:** 29.5in

**Compatible accessories:** 3054, 3059, 3153, 820, 828, 840, 842, 844.

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Maximum</th>
<th>Base Dimension</th>
<th>Stand Height</th>
<th>Stand Weight</th>
<th>Maximum Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>22in</td>
<td>71.7in</td>
<td>33.5x21.3in</td>
<td>74.8in</td>
<td>75lb</td>
<td>11 - 22lb</td>
</tr>
</tbody>
</table>

SUPER SALON 280 816

Our top-of-the-line stand, the Super Salon 280 brings stability to new heights in your studio. The column mounted on a heavy-duty cast “T” base makes it easy to move around because of its smooth rolling wheels. They can be locked into position with just one step on the single control pedal. The Super Salon 280 has a 10cm diameter, black, anodized aluminum column and a 100cm horizontal camera arm that travels 24.4in. The arm has a precise rack and pinion drive, and is accurately counterbalanced to move smoothly up and down. The camera support platform allows movement in a solid 360° angle. Supplied with counterbalanced crossarm, camera support platform and accessory tray.

**Arm length:** 39.4in
**Horizontal arm length:** 35.4in

**Compatible accessories:** 3054, 3059, 3153, 820, 822, 824, 826, 828, 834, 844.

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Maximum</th>
<th>Base Dimension</th>
<th>Stand Height</th>
<th>Stand Weight</th>
<th>Maximum Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.6in</td>
<td>107.3in</td>
<td>39.4x27.6in</td>
<td>90.6in</td>
<td>176.4lb</td>
<td>28.7 - 33lb</td>
</tr>
</tbody>
</table>

SALON 230 809

Just slightly lighter in construction, the Salon 230 has a 3.1in diameter, black anodized aluminum column with a working height of 87in, provided with an adjustable, counterbalanced, sliding, horizontal 31.5in crossarm. The camera support platform allows full 360° movement. Large sized wheels in the heavy cast base and single pedal control facilitate easy positioning and quick, rock steady locking. The crossarm support casting features a built-in accessory tray 13x11in. Supplied complete with camera support platform and counterbalanced crossarm.

**Arm length:** 31.5in
**Horizontal arm length:** 27.6in

**Compatible accessories:** 3054, 3059, 3153, 820, 822, 824, 826, 828, 834, 844.

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Maximum</th>
<th>Base Dimension</th>
<th>Stand Height</th>
<th>Stand Weight</th>
<th>Maximum Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.4in</td>
<td>87in</td>
<td>37x27.2in</td>
<td>91.3in</td>
<td>141.1lb</td>
<td>28.8 - 33lb</td>
</tr>
</tbody>
</table>

SUPER SALON 230 817

Same as the 816 but with a height of 90.6in.

**Arm length:** 39.4in
**Horizontal arm length:** 30.3in

**Compatible accessories:** 3054, 3059, 3153, 820, 822, 824, 826, 828, 834, 844.

<table>
<thead>
<tr>
<th>Minimum</th>
<th>Maximum</th>
<th>Base Dimension</th>
<th>Stand Height</th>
<th>Stand Weight</th>
<th>Maximum Load Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>23.6in</td>
<td>107.3in</td>
<td>39.4x27.6in</td>
<td>90.6in</td>
<td>176.4lb</td>
<td>44.1 - 55.1lb</td>
</tr>
</tbody>
</table>
ADAPTER FROM 3/8" TO 1/4-20" 3054
Converts tripod head screw from 3/8" to 1/4-20".
For models 800, 806, 809, 816 and 817

ADDITIONAL COUNTER-WEIGHT 834
4.4lbs additional counter weight that can be screwed to the counter-weight inside the column.
For models 809, 816 and 817

ACCESSORY ARM 3059
Mounts on any column with 3/8" thread, this side arm allows positioning of two heads on a 90° perpendicular angle.
For models 800, 806, 809, 816 and 817

ACCESSORY ARM FOR FOUR HEADS 3153
Similar to the 131D with the addition of two positional head mounts on the side arm, allowing the possible mounting of four heads.
For models 800, 806, 809, 816 and 817

17.7in COLUMN EXTENSION 820
Adds 17.7in to crossarm, Mounts directly to arm and accepts any camera platform.
For models 800, 806, 816 and 817

HORIZONTAL BRACKET WITH TWO CONNECTIONS 828
Allows two camera mounting positions.
For models 800, 806, 809, 816 and 817

ADDITIONAL CAMERA HOLDER 826
This optional camera holder allows you to put a second camera on the horizontal arm of your studio stand.
For models 809, 816 and 817

ADDITIONAL CAMERA MOUNT 840
This optional camera holder allows you to put a second camera on the horizontal arm of your studio stand.
For model 806

LOW ANGLE ADAPTER ARM 822
Connection bracket between the horizontal arm and the column extension which permits you to increase or decrease the shooting point compared to the horizontal arm.
For models 809, 816 and 817

UTILITY TRAY 11.4in x 11.4in 844
Optional accessory tray makes it easy to keep meters and extra film holders at arms length.
For models 800, 806, 809, 816 and 817

90° ADDITIONAL REVOLVING HEAD 824
With 3/8" threaded fitting.
For models 809 and 816

90° CAMERA MOUNT 842
90° additional revolving head.
For model 806
BALL HEADS

Our new center ball series is hot out of the hands of the design team. Favored by those who give priority to speed over precision when setting up the perfect shot, the range offers considerable weight-saving features and low-profile design. Made completely of aluminum, the Manfrotto center ball head range offers each type of user a similar basis to build upon. Movements across models have been brought closer together, while positioning angles cover 360° rotation around the vertical axis to +90° / -90° lateral tilt. The ratchet lever ball lock system is secure and fast, with speed further guaranteed by the quick release plate, which is included on many of the models in the series in addition to the standard 1/4-20" or 3/8" fixed screw.

On models 482, 484, 486, 488, 490, 468:
- fixed screw

On model 488RCO:
- hexagonal quick release plate

On models 484RC2, 486RC2, 488RC2, 486RC2:
- rectangular quick release plate

On models 484RC4, 490RC4, 468RC4:
- large rectangular quick release plate

On models 490, 490RC4:
- independent ball friction dial

On all models except on 490 series:
- double groove for +90°/-90° tilt

On models 482, 484 and 486:
- locking single indexed ratchet lever for ball and pan lock

On models 488 and 490:
- indexed ratchet lever for pan lock

On model 482:
- tripod attachment dual 1/4-20" and 3/8" fittings
  (all other models have industry standard 3/8" fittings)
**Ball Heads**

**MICRO BALL HEAD 482**

- **Dimensions:** 2.3in
- **Weight:** 0.2lb
- **Pan:** 360°
- **Tilt:** +90°-90°

The 482 is an all-purpose ball head designed for use with compact, 35mm and small digital cameras. This head is ideal for the table top tripod 209, car window clamp 3292 and monopods such as the 676B. It has a single indexed “ratchet” locking knob for 360° pan and +90° -90° tilt movements. Camera attachment is via a 1.97in platform with 1/4-20* male thread. Head to tripod attachment is 1/4-20* and 3/8* female. All aluminum construction and black finish.

**MINI BALL HEAD 484**

- **Dimensions:** 3in
- **Weight:** 0.6lb
- **Pan:** 360°
- **Tilt:** +90°-90°

The 484 is designed for use with compact, 35mm and small digital cameras. The strong die-cast construction, precision-machined aluminum housing and extremely hard, phenolic resin ball provide excellent smooth movements across all tilt positions. A single “ratchet” control lever securely locks both the +90°-90° ball and the 360° pan movements. Camera attachment is via a 1.97in platform with 1/4-20* male thread. Head to tripod attachment is 3/8* female.

**MINI BALL HEAD WITH RC2 RAPID CONNECT SYSTEM 484RC2**

- **Dimensions:** 3.7in
- **Weight:** 0.7lb
- **Pan:** 360°
- **Tilt:** +90°-90°

This versatile head is fitted with a quick release 3157N camera plate system with a secondary safety catch. The head is perfect for 35mm SLR cameras with medium lenses, and light medium format cameras. Head to tripod attachment is 3/8* female. **Optional Plates:** 3157AN, 3157NR, 3157ANR

**COMPACT BALL HEAD 486**

- **Dimensions:** 3.6in
- **Weight:** 0.8lb
- **Pan:** 360°
- **Tilt:** +90°-90°

The 486 is strong enough to take 35mm SLR cameras with medium lenses, and light medium format cameras. It has a single indexed “ratchet” locking knob for 360° pan and +90° -90° tilt movements. Camera attachment is via a 1.97in platform with 1/4-20* male thread. Head to tripod attachment is 3/8* female. All aluminum construction and black finish.

**COMPACT BALL HEAD WITH RC2 RAPID CONNECT SYSTEM 486RC2**

- **Dimensions:** 3.9in
- **Weight:** 1lbs
- **Pan:** 360°
- **Tilt:** +90°-90°

The 486RC2 is the same as the 486 but equipped with a quick release 3157N camera plate system with a secondary safety catch. Camera plate has 1/4-20* male thread. Head to tripod attachment is 3/8* female. **Optional Plates:** 3157AN, 3157NR, 3157ANR

**MIDI BALL HEAD 488**

- **Dimensions:** 4.4in
- **Weight:** 1.2lb
- **Pan:** 360°
- **Tilt:** +90°-90°

With its solid aluminum construction and phenolic resin ball, this head is the ideal support for all traditional or digital small or medium format cameras. It features separate fast action “ratchet” locks on 360° pan and +90° -90° tilt movements. You can position your camera anywhere in a 180° sphere with confidence and ease. Camera attachment is via a 1.97in platform with 1/4-20* male thread. Head to tripod attachment is 3/8* female.

**MIDI BALL HEAD WITH RCO RAPID CONNECT SYSTEM 488RC0**

- **Dimensions:** 5.3in
- **Weight:** 1.8lb
- **Pan:** 360°
- **Tilt:** +90°-90°

The 488RC0 is the same as the 488 but equipped with a quick release 3049 camera plate system with a secondary safety catch and two spirit levels for precise leveling on both vertical or horizontal axes. Camera attachment has 1/4-20* male thread. Head to tripod attachment is 3/8* female. **Optional Plates:** 3267, 3267A, 3048H, 3041, 3042, 3297, 030UNIV
BALL HEADS

MIDI BALL HEAD WITH RC2 RAPID CONNECT SYSTEM 488RC2

Same as the 488 but equipped with a quick release 3157N camera plate system with a secondary safety catch. Camera plate has 1/4-20" male thread. Head to tripod attachment is 3/8" female.
Optional Plates: 3157AN, 3157NR, 3157ANR

MAXI BALL HEAD WITH RC4 RAPID CONNECT SYSTEM 490RC4

Same as the 490 but equipped with a quick release 3274 camera plate system with a secondary safety catch and two spirit levels for precise leveling on both vertical or horizontal axes. Camera plate has 1/4-20" male thread. Head to tripod attachment is 3/8" female.

MIDI BALL HEAD WITH RC2 RAPID CONNECT SYSTEM 488RC4

Same as the 488 but equipped with a quick release 3274 camera plate system with a secondary safety catch and two spirit levels for precise leveling on both vertical or horizontal axes. Camera plate has 1/4-20" male thread. Head to tripod attachment is 3/8" female.

MAXI BALL HEAD 490

The top of Manfrotto's range of center ball heads in die-cast aluminum with precision phenol resin ball. The 490's features make it versatile and ideal for digital and traditional photographic equipment from 35mm to 20x25cm format up to 26.5lb in weight. It features separate locks on 360° pan and +90 -90° tilt movements, with an additional friction control on the ball movement to give just the right resistance and smoothness with minimum effort, even with varying weight of equipment on board. The Maxi Ball Head attaches to the camera via a 50mm platform with an ingeniously combined 1/4-20" and 3/8" male thread. Head to tripod attachment is 3/8" female.

GRIP ACTION BALL HEAD BLACK 3265
GRIP ACTION BALL HEAD GREEN 3265G

Versatile, quick and easy to use. Just grip the handle and you can position your camera anywhere within a 180° sphere. Supplied with quick release camera plate with secondary safety lock, built-in bubble level and tension adjustment. Made of cast aluminum. Ideal for 35mm cameras with short or medium focal length lenses. Available in two versions: the 3265 is painted black while the 3265G is painted green.

Camera attachment: 1/4-20"
Optional Plates: 3157AN, 3157NR, 3157ANR
PATENTED
The 468MG family of ball heads incorporates a technically advanced ball locking mechanism using hydrostatic action. Based on principles of modern hydraulics where force that is applied at one point is transmitted to other points using an incompressible fluid, the locking process is improved using a special liquid inserted within the internal chamber. When pressure is applied, the liquid blocks the movement of the ball. Because the force exerted by the liquid is more constant and evenly distributed than that of standard mechanisms, the locking power is dramatically improved. With ultimate locking power, the 468MG series can support weights up to 39.6 lbs. The camera and head will seem like they have become one as the two move in complete unison with no headway effect during the locking phase. The heads also incorporate a calibrated, adjustable tension control allowing the ball tension to be preset for various camera weights. With a version for every quick release camera plate Manfrotto manufactures, plus a fixed version, the six new hydrostatic ball heads provide you the opportunity to experience this revolutionary technology. The body of each head is constructed in magnesium die casting with a two inch Teflon coated aluminum ball, enabling smoother camera movements.

**Model shown: 468MG**

- The 468MG is shown with a fixed camera platform with dual 1/4-20” and 3/8” camera fixing screw. Five different configurations with interchangeable quick release plates of different shapes and sizes are available.
- Constructed in magnesium die casting
- Independent pan lock for 360° movement
- Amazing locking power and capability to keep cameras up to 39.6lb of weight in position
- Independent tilt lock for +90° -90° tilt movement
- A calibrated, adjustable friction control
Manfrotto’s range of quick release plates is as broad as the range of photographic shooting equipment available in the world. One of the principle criteria used in manufacturing a quick release camera plate is its ability to hold the weight of the camera in all head positions. That is why, for example, the 3157N (RC2) connect plate system is mainly used to hold SLR systems, while the 3271 (RC4) is used with medium format cameras, and the sliding quick release system, 3273/3433PL (RC3/RC5), is used with cameras with heavy and bulky tele lenses. In order to give all professionals the possibility to work with this innovative ball head, we have prepared a version for every quick release camera plate Manfrotto manufactures plus a fixed version for those who prefer this type of attachment. Enjoy the choices!
HORIZONTAL GRIP ACTION BALL HEAD 322RC2

Take the versatility of a ball head, add true ergonomic control and you get the 322RC2 --- a photographic head that allows you to unblock, move, position and lock your camera with one hand in one position. This is accomplished thanks to the revolutionary design of its grip handle, which incorporates the ball lock lever and can also mount the 322RS shutter release accessory. A friction control wheel lets you regulate the power of the blocking mechanism to match the weight of your camera/lens. The 322RC2 is made from magnesium for lightweight performance, and is designed to keep the weight of your kit as close as possible to the tripod’s center of gravity by way of its reduced height. It is this fact, matched with the precision construction of the 322RC2 that gives the head its load capacity of 11lb. Complete with built-in bubble spirit level and quick release camera plate (standard 1/4-20" screw, with secondary safety pin). Suitable for use with 35mm or medium format cameras.

**Optional Plates:** 3157AN, 3157NR, 3157ANR

**PAT. PENDING**

**ERGONOMICS**
Whether you’re left-handed or right, whether you prefer a horizontal grip or vertical, the 322RC2 is practical and ergonomic. Customize the location of the camera plate to suit your ideal working position.

**CENTER OF GRAVITY**
In turn, aligning the camera close to the tripod center of gravity gives the 322RC2 an extraordinary 11lb of load capacity.

**Lateral tilt movement:** -3° / +90°
ELECTRONIC SHUTTER RELEASE KIT FOR 322RS
The remote control electronic shutter release kit fits the 322RC2 grip action ball head and puts control of your camera’s shutter down on the head itself, so you can take photos the moment you’re in position, without having to move your hand from the head grip up to the camera body. The 322RS can be fitted to the head no matter which position you choose to use it in, for both right- and left-handed photographers. PAT. PENDING

CABLE SHUTTER RELEASE KIT 322RSM
The cable shutter release kit fits the 322RC2 Grip Action Ball Head and puts control of your camera’s shutter down on the head itself, so you can take photos the moment you’re in position, without having to move your hand from the head grip up to the camera body. The 322RS can be fitted to the head no matter which position you choose to use it in, for both right- and left-handed photographers.

ADDITIONAL CAMERA PLATE ADAPTER FOR 322RC 322RA
Camera plate attachment assembly for the 322RC2 can also be available as a separate accessory in case you want the camera to be as close as possible to the tripod’s center of gravity, which provides a higher rate of stability.
THREE-WAY HEADS
A tripod head is just as important as a tripod. It is important to match the task of the tripod, head and camera. For this reason, Manfrotto offers a wide range of heads able to carry loads up to 26.5 lb for use with point and shoot cameras up to heavy large format cameras. Manfrotto’s range of three-way heads are precision engineered to provide smooth and independent control of pan, backward and forward tilt plus side to side tilt movements. In fact, the camera position can rapidly change from landscape (horizontal) to portrait (vertical) or can be adjusted to the appropriate angle that best suits the shot. Large rubber grips on the pan and tilt handles provide efficient control. The range also includes models with quick release camera plate systems, which enable cameras to be quickly interchanged, or go from tripod to hand-held and back rapidly.

3D MAGNESIUM HEAD 3437

<table>
<thead>
<tr>
<th>Width</th>
<th>Weight</th>
<th>Load Capacity</th>
<th>Pan Range</th>
<th>Tilt Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1in</td>
<td>0.9lb</td>
<td>6.6lb</td>
<td>Pan 360°</td>
<td>Tilt -30°+180° Tilt -180° +30°</td>
</tr>
</tbody>
</table>

An innovative 3D head unlike any other! Cast from lightweight magnesium, the head can be positioned in virtually any position to get the exact framing of the image. The lock system using spring-loaded conical joints allows greater flexibility than any other 3D head whether mounted on a tripod center column or lateral arm. The rubber grip knobs provide fingertip control and won’t poke you in the eye like conventional handles do. The 460MG is the ideal head in combination with the magfiber line for 35mm SRLs and medium format cameras.
Camera attachment: 1/4-20”
Optional Plates: 3157AN, 3157NR, 3157ANR

3D JUNIOR HEAD 3025

<table>
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<th>Width</th>
<th>Weight</th>
<th>Load Capacity</th>
<th>Pan Range</th>
<th>Tilt Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9in</td>
<td>1.1lb</td>
<td>6.6lb</td>
<td>Pan 360°</td>
<td>Tilt -30°+180° Tilt -180° +30°</td>
</tr>
</tbody>
</table>

A self-adjusting conical bearing locking system allows 360° rotation on both the vertical and horizontal plane. This is the ideal head for 35mm and light to medium format work.
Camera attachment: 1/4-20”
Optional Plates: 625, 3299, 394, 3273, 577

SUPER 3D HEAD 3028

<table>
<thead>
<tr>
<th>Width</th>
<th>Weight</th>
<th>Load Capacity</th>
<th>Pan Range</th>
<th>Tilt Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.9in</td>
<td>1.3lb</td>
<td>11lb</td>
<td>Pan 360°</td>
<td>Tilt -30°+180° Tilt -180° +30°</td>
</tr>
</tbody>
</table>

A self-adjusting conical bearing locking system allows 360° rotation on both the vertical and horizontal plane. The head incorporates a larger camera mounting platform and large easy grip ratchet handles, for cameras up to medium format.
Camera attachment: 1/4-20”
Optional Plates: 625, 3299, 394, 3273, 577
Three-way Heads

**BASIC HEAD 3029**

5.1in 2.2lb 13.3lb  Pan 360°  Tilt -30°+90°  Tilt -90°+30°

An easy to use pan/tilt head for cameras up to medium format. Full three-way action with each axis movement controlled by separate locking handles. Camera attachment: 1/4-20"  
**Optional Plates Adapters:** 625, 3299, 394, 3273, 577

**BASIC HEAD BLACK WITH QUICK RELEASE PLATE 3030**

5.1in 2.2lb 8.2lb 3157N  Pan 360°  Tilt -30°+90°  Tilt -90°+30°

Identical to the 3029 but fitted with quick release plate and secondary safety lock for added security. Camera attachment: 1/4-20"  
**Optional Plates Adapters:** 3157AN, 3157NR, 3157ANR

**BASIC HEAD GREEN WITH QUICK RELEASE PLATE 3030G**

5.1in 2.2lb 13.3lb 3157N  Pan 360°  Tilt -30°+90°  Tilt -90°+30°

Identical to the 3030 but green.  
**Optional Plates Adapters:** 3157AN, 3157NR, 3157ANR

**STANDARD HEAD 3047**

7.1in 3.3lb 16.5lb 3049  Pan 360°  Tilt -30°+90°  Tilt -90°+30°

Ideal for most cameras: 35mm, medium format and view cameras. Features include quick release camera plate with secondary safety catch, two bubble levels and three easy grip rubber handles for precise positioning. Camera attachment: 1/4-20" + 3/8" screw  
**Optional Plates:** 3048, 3267, 3267A, 3048H, 3297, 3267, 3041, 3042
PRO COMPACT HEAD WITH QUICK RELEASE PLATE 329RC4

A professional, compact, low profile, 3D head (only 5.4in high) suitable for a wide range of cameras up to large format. The very low profile ensures the center of gravity of the camera is over the center of the tripod for maximum stability and control. A quick release plate with secondary lock safety system keeps the camera securely locked but easily attached and removed when required. Friction adjustment on each of the three movement controls guarantees easy, smooth and safe operation. Three spirit levels allow you to align the camera perfectly and painlessly for panoramic shots. 3/8" screw camera attachment included. Camera attachment: 1/4-20" + 3/8" screw.

3D PRO HEAD 3039

Finely machined for greater positioning with smooth, certain action. Three built-in spirit levels for horizontal and vertical control. The head has a quick release camera plate with secondary safety catch for added security. Camera attachment: 1/4-20" + 3/8" screw. Optional Plates: 3048, 3267, 3267A, 3048H, 3297, 3159, 030UNIV, 030VHS-38, 3041, 3042

HEAVY-DUTY HEAD 3057

Ideal for large format cameras. Supplied with quick release camera plate. Over-sized locking controls and heavy-duty construction provide an extra measure of security. Side movements allows full vertical positioning for fixed-back cameras. The head has a quick release camera plate with secondary safety catch for added security. Camera attachment: 1/4-20" + 3/8" screw. Optional Plates: 3048, 3267, 3267A, 3048H, 3297, 3159, 030VHS-38, 3041, 3042
GEARED HEADS
Manfrotto, the world’s leader in professional camera supports, was the first company in its field to introduce the three-way geared head mechanism. These heads combine the speed of a ball head and the precision of a three-way head. The result is a range of three models, each one designed to support the three types of cameras available in the film and digital photographic markets: small, medium and large formats. The 3263 Geared Head, with its 22lb load capacity, can support all large format cameras up to 20x25 cm format. The 405, with a 16.5lb load capacity, has been developed to work with all the medium format cameras up to 6x7 cm, equipped with digital or traditional backs. The smallest of the range, the 3275, is extremely compact and light with its 11lb load capacity, and perfectly matches the range of SLR cameras both analog or digital available in the market. All three models offer incredible speed, stability and precision.

JUNIOR GEARED HEAD 3275
Extremely compact, this unique head offers gear movement in three directions: pan, tilt and side-to-side tilt. The head incorporates a quick release camera plate system and is suitable for 35mm SLR and medium format cameras. Camera attachment: 1/4-20" + 3/8" screw. PATENTED
**PRO GEARED HEAD 405**

<table>
<thead>
<tr>
<th>6.3in</th>
<th>3.5lb</th>
<th>16.5lb</th>
<th>3271</th>
<th>Pan 360°</th>
<th>Frontal Tilt</th>
<th>Lateral Tilt</th>
</tr>
</thead>
</table>

Speed and digital precision are paramount in the latest 405 Pro Digital Geared Head. The 405 provides ideal support and fast, pinpoint positioning for professional medium format or 35mm cameras with conventional or digital backs with payloads up to 16.5lb. It utilizes large, easy-to-grip knobs that provide smooth, positive, geared control through 360° pan and +90° -30° frontal and lateral tilt. In addition to its 3-D geared functions, the 405 also incorporates a unique feature that allows you to instantly disengage the gears and rough position the camera by hand, then instantly reengage them for ultra-precise final alignment.

Camera attachment: 1/4-20" + 3/8" screw.

**GEARED HEAD 3263**

<table>
<thead>
<tr>
<th>6.3in</th>
<th>5.7lb</th>
<th>22lb</th>
<th>3264L, 3264M, 3264H</th>
<th>Pan 360°</th>
<th>Frontal Tilt</th>
<th>Lateral Tilt</th>
</tr>
</thead>
</table>

This unique head offers precise geared movement in three directions with fold away rotating handles for pan and tilt and side to side leveling by a separated handle. In addition, the tension holding the round quick release plate can be released to allow fine adjustment with complete safety. Designed to mount on either studio column stands or larger tripods, this geared head for medium and large format cameras provides the ultimate in fine adjustment and control to achieve the exact framing required. Three 1/4-20" screws for camera attachment included.
TWO-WAY HEADS
Alongside the photographic heads is an equally broad sweep of heads designed for video work. This section presents only a few of the available models that, although created with the needs of video cameramen in mind, can also support still cameras with medium/long tele lenses or scopes and binoculars.

MINI VIDEO HEAD BLACK 700RC2
MINI VIDEO HEAD GREEN 700RC2NAT

A compact and lightweight 2-movement video head designed principally to support the latest digital video equipment but also suited to still photography cameras with medium and long tele lenses. The 700RC2 has a fixed length pan bar with soft handle and separate locking mechanisms for the 360° pan and the +90°/-75° tilt. Smooth and constant movements on both axes are assured by a fixed system of fluid cartridges. Equipped with quick release 3157N video plate system with VHS PIN and a secondary safety catch. Head to tripod attachment is 3/8" female. Available in two versions: the 700RC2 is painted black while the 700RC2NAT is painted green.

Optional Plates: 3157AN.
MINI VIDEO HEAD 701RC2
4in 1.8lb 8.8lb 3157N Pan 360° Tilt -60°+90°

Small and lightweight, this fluid video head is capable of accommodating a payload of up to 8.8lb, and is ideal for set-ups such as a fully equipped 3 CCD mini DV camcorder or a spotting scope combined with a digital still or video camera for digiscoping purposes. It is equipped with a fixed 3.3lb counterbalance spring and a sliding plate which can shift from +15mm to -15mm to deliver a wide range of balancing positions.

JUNIOR HEAD BLACK 390RC2
JUNIOR HEAD GREEN 390RC2NAT
3.9in 1.5lb 11lb 3157N Pan 360° Frontal Tilt Lateral Tilt -75°+90° -90°+0°

This three-way aluminum head is designed for still photography or video application. It is equipped with a quick-release 3157N camera plate system and Teflon pads to ensure smooth pan and tilt movements with independent locks. The pan-locking bar is padded with soft, non-slip rubber. Available in two versions: the 390RC2 is painted black while the 390RC2NAT is painted green.
Optional Plates: 3157AN.

MICRO VIDEO HEAD 3126
4.3in 2.2lb 8.8lb Pan 360° Tilt -90°+90°

The micro video head is perfect for lightweight video cameras, and includes an adjustable pan bar. It has smooth fluid movement, pan and tilt locks. The adjustable pan bar can be positioned either on the left or right side.
Optional Plate Adapter: 625, 3299, 394, 577.

MICRO VIDEO HEAD BLACK 3130
MICRO VIDEO HEAD GREEN 3130G
4.5in 2.2lb 8.8lb 3157N Pan 360° Tilt -60°+90°

A lightweight fluid head with adjustable pan bar and quick release camera plate with secondary security, ideal for cameras up to 8.8lb in weight. It has smooth fluid movement, pan and tilt locks. Available in two versions: the 3130 is painted black while the 3130G is painted green.
Optional Plates: 3157AN.

MINI VIDEO HEAD 701RC2
4in 1.8lb 8.8lb 3157N Pan 360° Tilt -60°+90°

Small and lightweight, this fluid video head is capable of accommodating a payload of up to 8.8lb, and is ideal for set-ups such as a fully equipped 3 CCD mini DV camcorder or a spotting scope combined with a digital still or video camera for digiscoping purposes. It is equipped with a fixed 3.3lb counterbalance spring and a sliding plate which can shift from +15mm to -15mm to deliver a wide range of balancing positions.
Panoramic, cubic & spherical VR photography:
It’s time to broaden your horizons!
Since the inception of photography over 150 years ago, photographers have continuously sought better ways to bring realism and a sense of intimacy to their viewers. While panoramic photography has been with us for almost 80 years, recent imaging technologies and software have taken the panorama to yet another level, allowing capture of complete 360° x 360° cubic and spherical views of the scenes we photograph, along with the ability to display them in powerfully immerse environments. Cubic and spherical panoramas expand upon the traditional flat or cylindrical panorama. They allow for documentation of the complete environment around you and provide a way to virtually immerse your audience into your vision. They even offer a new means of artistic expression. Natural spaces and architectural projects can be accurately and interactively visualized by audiences who may never actually visit these locations in person. Virtual reality (VR) panoramas and object movies provide superior means to entertain, educate and inform, as well as to market and sell commercial products. Manfrotto’s new 303SPH head allows photography of multi-row cubic, spherical and cylindrical panoramas, along with VR object movie sequences. It is the latest addition to Manfrotto’s celebrated family of pan heads, tripods and camera supports that will change the way you photograph your world.
OBJECT PANORAMA
Use the 300N base as a turntable to spin a 3D object through sequential constant angle movements in front of your camera until a 360° cycle has been completed. Superimpose the images in the correct order using your chosen software to allow viewers to see the object from all angles.

SPHERICAL PANORAMA
Use the 303, 303PLUS or 303SPH head plus a 185° fisheye lens. Take two photos at 180° to each other, then stitch them together to create a 360° x 360° spherical panorama.

CYLINDRICAL PANORAMA
Use the 303, 303PLUS or 303SPH head to spin your camera around its nodal point through a longitudinal sequence of constant angle shots on the same level which can be stitched together (basically, placed edge to edge) using your chosen software to create a single row “cylindrical” panorama.

MULTI-ROW / CUBIC PANORAMA
Use the 303SPH to spin your camera around its nodal point through both latitudinal and longitudinal sequences of constant angle shots which can then be stitched together and composite to create a multi-row “cubic” 360° x 360° panorama.
The 303SPH is a multi-row, panoramic photography head. It has sliding plates to locate the camera over the panoramic axis of rotation, plus a sliding plate which rotates around the front/back tilt axis. This allows the camera to be rotated on both horizontal and vertical axes around the camera/lens nodal point, so multi-row panoramic photo sequences (cubic VR photos) can be taken accurately and easily. Using the 303SPH ensures that software used for photo stitching produces a precisely composed VR environment with minimum post-production intervention or software correction. All plates and rotation index guides on the 303SPH have clear markings to allow easy repositioning of the camera once the nodal point position has been identified and noted down. The 303SPH’s vertical bracket can be unlocked and rotated through 90° (then re-locked) so that the head takes up less space in transport, and so that the sliding plate mechanisms are protected against knocks and bumps. The 303SPH comes complete with a extra set of sliding plates for use with cameras of different sizes.

**303SPH Features:**

- Three sliding plates for precise nodal point positioning on all planes/axes
- Short plates included for more convenient use with compact cameras
- Long plates included for use with larger SLR or medium format cameras
- Camera attachment via 1/4-20" and 3/8" male screw
- 3/8" female tripod fitting
- Dual graduated scale to set the angle of rotation to any of the following: 90°, 60°, 45°, 36°, 30°, 24°, 20°, 15°, 10°, 5° (respectively equivalent to 4, 6, 8, 10, 12, 15, 18, 24, 36 or 72 photos to achieve a full 360° rotation) on the upper part of the 300N rotation unit
- Graduated scale from 0° to 360° on the lower part of the 300N rotation unit
- By removing vertical brackets, the 303SPH can also be used as an object turntable
- Vertical bracket folds down and removes for compact size during transport

**UPGRADE KIT: CONVERTS 302 INTO 303SPH HEAD 303SPHUK**

The 303SPHUK upgrade kit is essentially a 303SPH head without the 300N PAN ROTATION UNIT or the plate attachment that locks onto the 300N; by using these components from the old model 302 head, photographers can use their existing pan head as a basis to build a 303SPH-like product. Remember however that the 300N rotation unit has been improved compared to that supplied with the original 302 family.
The 303PLUS advanced panoramic photographic head is built around the 300N pan rotation unit, with sliding plates for nodal point positioning and an elbow bracket to allow the camera to be mounted in either portrait or landscape orientation. It incorporates precise geared movements of the two sliding plates used to locate the camera over the panoramic axis of rotation, adding greater accuracy to nodal point positioning. The micro-positioning plates provide extremely precise fingertip adjustment via a gear drive system; a release button disengages the gear drive to facilitate rapid movement of the plates when required. The plates are also longer than those of the 303 head, which helps to make this head suitable for use with larger traditional or digital SLR cameras equipped with standard or wide angle lenses, or for medium format cameras.

303PLUS Features:

- Double micro positioning sliding plates - 7.1in long with 4.7in of adjustment for precise nodal point positioning
- Convenient quick release elbow bracket with 1/4-20" and 3/8" male screw for camera attachment
- 3/8" female tripod fitting
- Dual graduated scale to set the angle of rotation to any of the following: 90°, 60°, 45°, 36°, 30°, 24°, 20°, 15°, 10°, 5° (respectively equivalent to 4, 6, 8, 10, 12, 15, 18, 24, 36 or 72 photos to achieve a full 360° rotation) on the upper part of the 300N rotation unit
- Graduated scale from 0° to 360° on the lower part of the 300N rotation unit
- By removing vertical brackets, the 303PLUS can also be used as an object turntable
The 303 pan head permits the photographer to take sequential constant-angle shots around a single axis with his or her camera either in portrait or landscape position, and with the nodal point of the camera/lens in line with the center of panoramic rotation to ensure that parallax effects do not cause problems during image stitching. It is built around (and includes) the 300N panoramic unit, adding a system of sliding horizontal and vertical plates for accurate positioning of the camera nodal point. The plates have engraved index rules to make subsequent repositioning easier. The included quick release elbow bracket lets the photographer use the portrait orientation of the camera gaining vertical field. The system is suitable for most 35mm SLR still and digital stills cameras using wide-angle or standard lenses.

303 Features:

- Double sliding plate with 3.1in of adjustment for precise nodal point positioning
- Convenient quick release elbow bracket with 1/4-20" and 3/8" male screw for camera attachment
- 3/8" female tripod fitting
- Dual graduated scale to set the angle of rotation to any of the following: 90°, 60°, 45°, 36°, 30°, 24°, 20°, 15°, 10°, 5° (respectively equivalent to 4, 6, 8, 10, 12, 15, 18, 24, 36 or 72 photos to achieve a full 360° rotation) on the upper part of the 300N rotation unit
- Graduated scale from 0° to 360° on the lower part of the 300N rotation unit
- By removing vertical brackets, the 303 can also be used as an object turntable
PAN ROTATION UNIT 300N

The 300N panoramic rotation unit allows the photographer to take sequential constant-angle shots around a single axis, an essential part of achieving accurate and easy-to-stitch panoramic compositions. The set positions of the 300N give ample choice of rotation angle and so of number of photos needed to complete a 360° pan and cover the most common requests of panoramic photographers depending on the camera/lens equipment used.

To make angle selection easier, a “click-stop” selector screw is included and attached to a safety cable to prevent it from being separated from the head and getting lost. The 300N also comes complete with a secondary locking screw which stops unwanted or accidental rotation of the head when heavy or off-center equipment makes it less balanced or when the head is used for non-horizontal rotation.

The 300N can also be used as a turntable base for object panoramas, or as a means of reading the angle of rotation of camera pan movements in a range of photography. A camera can be mounted on the panoramic unit by adding one of a range of quick release, sliding or fixed plates or a conventional geared, ball or 3-way head.

303N Features:
- Upper dual graduated scale to set the angle of rotation to any of the following: 90°, 60°, 45°, 36°, 30°, 24°, 20°, 15°, 10°, 5° (respectively equivalent to 4, 6, 8, 10, 12, 15, 18, 24, 36 or 72 photos to achieve a full 360° rotation based on 35mm film frames or 0,94x1,42" CCD)
- Lower graduated scale from 0° to 360°
- 3/8" female tripod fitting; 3/8" male screw head or plate fitting

LEVELING BASE 3416

The 3416 is fitted between the tripod and head and is used in combination with tripods that don’t have built-in leveling mechanisms. Its three adjustment dials enable the operator to make fine, fingertip adjustments up to +/- 5 degrees to ensure the camera is perfectly level. The dials also have locking rings to ensure stability once the right position is reached. A spirit level is built in for reference. The base has a 3/8" female tripod fitting and a 3/8" male head fitting.

BALL CAMERA LEVELLER 3502

The 3502 is fitted between the tripod and head, provides easy, fast leveling for tripods without built-in leveling mechanisms. Its range of movement is 10°.

BASIC PANORAMIC HEAD ADAPTER 627

Basic panoramic adapter that can be mounted on top of a head, monopod, or tripod. The adapter camera platform has a graduated scale in millimeters to set the camera position during different shooting sequences and a dual 1/4-20" and 3/8" camera fixing screw. This accessory can be connected to a head, monopod, or tripod by a 3/8" female attachment.

HOT SHOE TWO AXIS BUBBLE LEVEL 337

The 337 is a double axis spirit level that mounts to the hot shoe of any standard 35mm SLR camera to help you achieve a finer degree of accuracy and consistency in panoramic photo sequences.
The monopod is an important part of every photographer's support equipment. Besides the tripod, the monopod is the best way to hold a camera in situations where space is limited, the quantity and weight of the equipment carried on location needs to be kept to a minimum, or set-up speed is needed. Correctly handled, the monopod supplies all the camera support you are likely to need even for long lenses. Just look at the press and sports photographers - they would not bother with them if they did not get results!

**DIGI MONOPOD 676B**

What's even more compact, even lighter, even quicker to set up than a DIGI tripod? A DIGI monopod! When you don’t need the total “hands-free” support of a tripod, a monopod is a convenient shoulder to lean on. Four-section, lightweight monopod with rapid action extension locks for compact spotting scopes. 1/4-20" fixing screw.

**MAGFIBER MONOPOD 4 SECTION 694**

Four-section, lightweight carbon fiber and magnesium locking collars monopod. Ideal for sporting events, allowing the photographer to shoot over the heads of everyone. The monopod has rapid action extension locks, a wrist strap and a camera platform with dual 1/4-20" and 3/8" camera fixing screw. Black version code: 679B.

**MAGFIBER MONOPOD 5 SECTION 695**

Five section, lightweight carbon fiber and magnesium locking collar monopod. Extremely compact with a minimum length for transportation of 18.1in. Four leg extensions allow the monopod to be rapidly extended to a maximum height of 63in. The monopod is equipped with rapid action extension locks, a wrist strap and a camera platform with dual 1/4" and 3/8" camera fixing screw. Black version code: 680B.

**MONOPOD 679**

Three section monopod featuring sure rubber grip, wrist carrying strap, quick action lever leg lock system with 45° run, large 2.4in camera/head platform with plastic cover and dual 1/4-20" - 3/8" camera fixing screw. Black version code: 679B.

**PROFESSIONAL MONOPOD 681**

Robust three section monopod featuring sure rubber grip, wrist carrying strap, quick action lever leg lock system with 45° run, large 2.4in camera/head platform with plastic cover and dual 1/4-20" - 3/8" camera fixing screw. Black version code: 681B.

**NEOTEC PRO PHOTO MONOPOD 684B**

With the same Neotec opening and closing mechanism as the 458B tripod, the 684B monopod is designed for support without sacrifice. It couldn’t be easier or faster to set up - just pull the monopod leg downwards to open and automatically lock it in any position, with no screws, knobs or levers to tighten or loosen. Then to fold it back up again, pull the mechanism release trigger and push the leg closed. Its “upside down” construction also stops the worst of the mud you’re standing in from ending up inside the monopod. PAT. PENDING

**COMPACT MONOPOD 680**

Four section monopod featuring sure rubber grip, wrist carrying strap, quick action lever leg lock system with 45° run, large 2.4in camera/head platform with plastic cover and dual 1/4-20" - 3/8" camera fixing screw. Black version code: 680B.

**SELF-STANDING PRO MONOPOD 682**

All the features of the professional monopod 681 with a handy addition of three retractable legs. Dual 1/4-20" - 3/8" coaxial camera fixing screw. Black version code: 682B.

**AUTOMATIC MONOPOD 3245**

The automatic, three section, monopod provides immediate single handed height adjustment. Squeeze the trigger handle and the top section can be raised or lowered; release and it locks in position. The lower two sections have a twist lock action for additional height adjustment. The top plate has a dual 1/4-20" - 3/8" camera fixing screw. PATENTED
**MONOPOD TILT TOP 3232**

2.4" 0.6lbs 5.5lb

Simple tilt head to allow a camera on a monopod to be turned 90˚ to provide either vertical or horizontal format.

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**MONOPOD QUICK RELEASE TILT TOP 3229**

2.4" 0.6lbs 5.5lb 3157N

Same as the 3232 but with a quick release camera plate system and secondary safety lock.

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**SHOULDER BRACE FOR MONOPOD 3248**

Designed to fit to the top end of any make of monopod to give additional stability. Adjustable length with pivoting shoulder support.

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**MONOPOD SUPPORT 3422**

Fixed on the monopod, the 3422 adds two points of support making it stable on any surface regardless of the inclination. Allows long exposures on automatic release. Comes complete with the Mini Ball Head 482. Attachment - 3/8” female for monopod.

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**UNIVERSAL FOLDING BASE 678**

0.9lb 30.9lb

This unique accessory allows you to add a base made of three foldable high strength steel legs to the 679, 680, 681. After using them the legs can be folded and stored inside the bottom section of the monopod -- ready in a few seconds when needed.

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**LONG LENS MONOPOD BRACKET 3421**

2.6lbs

Specifically developed for use with very long lenses on monopods. Key features: Friction base which enables the bracket to pan on a monopod, and can also be used on a tripod. Two rubber hand grips plus rubber protection prevent damage to lens when tilted to a maximum. Variable center height adjustment in three steps.

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**MONOPOD BELT POUCH 3247**

Worn on a belt, this easy to use pouch offers support for the base of a monopod.

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**SPIKED FOOT FOR MONOPOD 3257**

Converts 679, 680 and 681 monopods’ rubber foot to a spiked foot.

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**RUBBER/SPiked FOOT - STAINLESS STEEL**

Reversible rubber/metal spiked foot supplied with a dedicated fixing tool. The spike is made of a special hard anodized aluminum alloy extremely resistant to corrosion.

- 676SP2: for monopods 679 and 680.
- 695SP2: for monopod 695.
- 449SP2: for monopods 676B and 694.

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**SUCTION CUP/RETRACTABLE SPIKED FOOT 677SP**

Rubber foot for with retractable metal spike, for monopod 681.

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**SUCTION CUP/ RETRACTABLE SPIKED FOOT 677SC**

A rubber suction cup foot with retractable stainless steel spike. The suction cup increases the footprint of the monopod by almost 20 times, giving much greater stability when needed. The foot can be removed and replaced at will.

- 676SC2: for monopods 679 and 680.
- 695SC2: for monopod 695.
- 449SC2: for monopod 694.

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**SUCTION CUP/ RETRACTABLE SPIKED FOOT 677C**

A rubber suction cup foot with retractable stainless steel spike. The suction cup increases the footprint of the monopod by almost 20 times, giving much greater stability when needed. The foot can be removed and replaced at will.

For monopod 681.
ACCESSORIES, DOLLIES AND SPREADERS

Manfrotto's dollies and spreaders maintain a tripod at a secure spread. Dollies provide instant maneuverability around the studio or on location and all have fast-action, foot-controlled braking systems.

**BASIC DOLLY 3127**

- **Weight:** 5.3 lb
- **Height:** 43.3 in

Designed for light and medium weight tripods. The 76mm wheels have a sure-lock feature that raises the wheels free of the ground so that the dolly rests on separate feet.

**Designed for:** 3011N, 3021N, 3021PRO, 055MF3, 055MF4, 3001D, 3001N, 3001PRO, 190MF3, 190MF4, 458B

**VIDEO DOLLY 3067**

- **Weight:** 17.6 lb
- **Height:** 44.1 in

Heavy duty, super sturdy dollies are designed for use with large still and video tripods. They feature large 127mm individually braked wheels with cable guards. Folds for transporting.

**Designed for:** 3051, 3058, 475

**PORTABLE DOLLY 3137**

- **Weight:** 7.5 lb
- **Height:** 30.7 to 44.9 in

Everything that the 3127 has with the addition of variable spread for the legs. Suitable for standard and spiked feet.

**Designed for:** 3011N, 3021N, 3021PRO, 055MF3, 055MF4, 3001D, 3001N, 3001PRO, 190MF3, 190MF4, 458B

**FOLDING AUTODOLLY 3156**

- **Weight:** 9.9 lb
- **Height:** 50 in

Single lever braking system controls all three 80mm wheels. Includes 3/8" attachment which allows you to fix a head for low angle shooting. It folds legs for transporting and storage.

**Designed for:** 3046, 3051, 3058, 458B, 475

**TRIPOD SPREADER 3155**

- **Weight:** 1.4 lb
- **Height:** 31.4 to 51.2 in

Universal tripod spreader with variable diameter width controls from 31.4 in to 51.2 in.

**Designed to work with most Manfrotto tripods.**
TABLE CENTER POST 3253
Geared column with clamp for table thickness from 7.1-15in, for supporting a camera adjustable between 2in and 26in. Head not included.

ACCESSORY ARM 3059
Mounts on any column with 3/8" thread, this side arm allows positioning of two heads on a 90° perpendicular angle. Length: 23.6in. Black version code: 3059B.

ACCESSORY ARM FOR 4 HEADS 3153
Similar to the 3059 with the addition of two positional head mounts on the side arm allowing the possible mounting of four heads. Length: 23.6in. Black version code: 3153B.

LOW-ANGLE ADAPTER FOR 190 RANGE 190LAA
LOW-ANGLE ADAPTER FOR 055 RANGE 055LAA
Low-angle adapter that stores at the bottom of the center column when the tripod legs angle is set to 43°, 73° and 90°.
190LAA: compatible with the 3001N, 3001DN, 3001D, 3001BD and 3205GN3
055LAA: compatible with the 3011N, 3011BN, 3021N, 3021BN and 3221GN3

AIR CUSHIONED TABLE CENTER POST 385
14.2in 24.4in 2.2lb 22lb
In view of the increasing demand for shop display systems for still & video cameras, we have produced a center column equipped with a standard 58 mm disc and three grub screws as used on our lightweight and lightweight pro tripods. This also means the column can be combined with any head from our range. The bottom of the column has an 80mm disc which can be screwed directly to countertop/table or, alternatively, bolted to the included second disc on th underside of the countertop. Specifications: Column diameter: 30mm / 26mm Available only in black finish.

LEVEL. CENTER COLUMN ANGLE BRACKET 553
This simple bracket enables you to work with the center column in the horizontal position and keep your camera parallel to the ground. We use ever-lighter materials, from aluminum to carbon fiber, to keep equipment weight to the bare minimum.

LEVEL. CENTER COLUMN 555B
LEV. CENTER COLUMN 556B
Our innovative system means you can quickly level your photo or video head without needing to make time-consuming adjustments to the length and angle of each single tripod leg. A 50mm diameter leveling half ball mounted at th top of a tripod center column makes the angle of the top plate independent of the rest of the tripod. Locking and unlocking of the half ball is via a turning grip on the bottom of the center column, which can be removed while fitting of the column to your existing tripod. The half ball-mounted plate has a male 3/8 screw for attachment to a photo or video head, and a bubble spirit level for added ease of use.

555B for 3001N, 3001D, 3001PRO, 3205GN3, 190MF3, 190MF4
555B for 3011N, 3021N, 3021PRO, 3221GN3, 055MF3, 055MF4
PAT. PENDING

SHORT COLUMN 055CCSB
SHORT COLUMN 190CCSB
If you need to work with legs set at the third angle of inclination (about 60°) but still require the possibility to move the camera up and down to achieve perfect adjustment for the shot, this shorter column replaces the one supplied with the tripod. The lengths are: 6.5in for the 190CCSB 6.9in for the 055CCSB
190CCSB for 3001N, 3001D, 3001PRO, 3205GN3, 190MF3, 190MF4
055CCSB for 3011N, 3021N, 3021PRO, 3221GN3, 055MF3, 055MF4

TWO SECTION CENTER COLUMN FOR 3001 RANGE 190TS
TWO SECTION CENTER COLUMN FOR 3011/3021 RANGE 055TS
This new center column design allows to leave the head mounted on the cent column when switching between low-angle and normal shooting position. The top section can be detached without any tools, by hand-unscrewing the knob at the bottom of the column. Available in silver (190TS and 055TS) and black anodized finishing (190TSB and 055TSB). 190TS: compatible with 3001N, 3001D, supplied as a standard with the 3001PRO, 190MF3, 190MF4 055TS: compatible with 3011N, 3021N, supplied as a standard with the 3021PRO, 055MF3, 055MF4 and 458B
PAT. PENDING
Camera flash bracket with telescopic column from 11.8in to 17.7in.

A very useful addition to any photographers complement of attachments. Complete with Super Clamp 2900 and Mini Ball Head 482. Fully adjustable 15.7in and 23.6in with a simple telescopic locking device.

The 341 enables you to rapidly change from a horizontal to a vertical shooting axis, without having to reposition the tripod. Its adjustable stop prevents accidental camera rotation. Great for small & medium sized cameras equipped with telephoto lenses. Its new design allows you to use this handy accessory on all heads equipped with the 3157N type of camera plate.

Folding down to a portable 11.8in, this Danish designed base holds most projectors easily on a tripod. Tapped on the bottom for 3/8" screws.

Made of sturdy aluminum, this 9.8 x 13.8in platform can support up to 44.1lb. It is ideal as a projector or monitor stand.

This simple table mounting support is supplied with three holes for fixing or clamping. Comes complete with the monopod Tilt Head 3232.

Same as the 3276 but designed to be mounted to a wall. Comes complete with the monopod Tilt Head 3232.
LEG WARMERS 3430
Set of three leg warmers. Each has a zip system so it can be easily fitted and will not slip down in use. They offer good grip and protect the legs and insulate your hands when using the tripod in cold weather.
For tripods 3011N, 3021N, 3021PRO, 3221GN3
Length 14in

LEG WARMERS 3431
For tripods 3001N, 3001D, 3001PRO, 3205GN3
Length 9.8in

ACCESSORY LONG PLATE 3269
Allows two camera mounting positions. Supplied with 2 x 1/4-20" and 2 x 3/8" camera fixing screws.
Dimension: 280x80x10mm (11x3.2x.2in)

MICRO POSITIONING PLATE 3419
Ideal for macro photography to make precise positioning movements to achieve the perfect framed shot, and for QTVR and other precise copy/repro work. The new sliding plate has fingertip control for hairs-breadth positioning but with a simple lockrelease lever for fast set-up. Two plates can be interlocked at 90 degrees for full lateral/ forward/ /back movement (over 4.7in). In extruded aluminum, the plate has 1/4" and 3/8" holes and screws for tripod and camera mounting.
Dimension: 180x57.5x6mm (7.1x2.2x.2in)

ACCESSORY LONG PLATE 3269
Allows two camera mounting positions. Supplied with 2 x 1/4-20" and 2 x 3/8" camera fixing screws.
Dimension: 280x80x10mm (11x3.2x4in).

TELEPHOTO LENS SUPPORT 3420
Support for medium telephoto lens. The length of the bracket is adjustable to take different length lenses and different diameters by tilting the Tilt Head 3229 (included). Length from head to lens support is adjustable from 7.9in to 11.6in. Attachments: 4 x 3/8" female and 3 x 1/4" female.

ANTI THEFT PLATE 3295
1lb
For heads with hexagonal plates. Key lock system for camera release and 78.7in steel cable.

MACRO BRACKET FLASH SUPPORT 3278B
Allows two flash heads to be mounted with a camera onto a tripod head. Attachments: 3/8" & 1/4-20" female threads & 1/4-20" camera fixing screw.

TOOL KIT WMANTOOL
Set of tools (2) to adjust the locking collars of most of Manfrotto’s tripods, stands and monopods. The kit is comprised of a PHILLIPS screwdriver TYPE 2 and a hexagonal tubular SOCKET N. 8.

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Dimension: 280x80x10mm (11x3.2x4in).

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Dimension: 180x57.5x6mm (7.1x2.2x.2in)
CAMERA MOUNTING STUD 2907
Reversible stud with 3/8" and 1/4-20" designed for mounting cameras flush on 2900 Super Clamp.

METZ FLASH SCREW 3049LS
A special, long 1/4" camera screw used in conjunction with the hexagonal 3049 camera plate which allows you to fit the Metz flash bracket.

ADAPTOR FROM 3/8" TO 1/4-20" 3054
Converts tripod head screw from 3/8" to 1/4-20". Diameter: 2.4in

JOINT FOR ARMS 3154
Adapter 3/8" F-1/4-20" F allows using accessory arms 3059 and 3153 as column extensions. Diameter: 2.4in

CAMERA MOUNTING ADAPTOR HEXAGONAL PIN 208HEX
Its mean feature is the hexagonal pin, which, compared to the 2934's round one, gives more grip when used to hold heavy cameras mounted on photo or video heads in combination with accessories like the super clamp 2900.

CAMERA MOUNTING ADAPTOR 2934
Mounting plate in to .6in socket. Compatible with 2900 Super Clamp and 484RC2 or 486RC2 Ball Head for example. Diameter: 2.3in

SURVEY PLATE ADAPTOR ACCESSORY PLATE 358
Spare plate code for 324.

DOUBLE BALL TILT HEAD 155RC
Not strictly a tripod head, but an extremely versatile camera support for compact and 35mm cameras used in conjunction with Super Clamp 2900. Supplied with quick release camera plate and secondary safety lock.

SHAKE SHOE 2932
Flash shoe.

SURVEY PLATE ADAPTOR 324
This adaptor is made of two pieces: a 5/8" bushing with a 3/8" female attachment to connect it to a tripod and a removable plate, 4.9in diameter with a 5/8" male thread, that should stay connected to the equipment. With the 324 it is possible to transform any Manfrotto tripod into a tripod compatible with the standard attachment interface system used in the survey and measuring industry.

SURVEY PLATE ADAPTOR 3367
Converts 1/4-20" screw to 3/8".

PUMP CUP 3294
Suction cup for small fixtures and lightweight equipment. Ø: 5.91".

PUMP CUP WITH FLAT BASE 3500
Suction cap for lightweight photographic and video equipment, such as 35 mm, SLR, digital cameras and lightweight video cameras. The 2.4in diameter disc with a 3/8" male thread is built in the pump cup and enables you to mount most of Manfrotto's heads.

CAMERA SUCTION MOUNT 3289
Attaches to most non-porous surfaces. Ideal camera support in automobile or next to a window.

SMALL ADAPTOR 3367

CAMERA MOUNTING ADAPTOR 2934
Mounting plate in to .6in socket. Compatible with 2900 Super Clamp and 484RC2 or 486RC2 Ball Head for example. Diameter: 2.3in

CAMERA MOUNTING ADAPTOR 2934
Mounting plate in to .6in socket. Compatible with 2900 Super Clamp and 484RC2 or 486RC2 Ball Head for example. Diameter: 2.3in

CAMERA MOUNTING ADAPTOR 2934
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CAMERA MOUNTING ADAPTOR 2934
Mounting plate in to .6in socket. Compatible with 2900 Super Clamp and 484RC2 or 486RC2 Ball Head for example. Diameter: 2.3in

CAMERA SUCTION MOUNT 3289
Attaches to most non-porous surfaces. Ideal camera support in automobile or next to a window.
PHOTO CLAMP 3287
Can be fixed to surfaces up to 2.4in thick. Has 2 x 3/8” male threads for mounting ball head and camera.

CAR WINDOW POD 3292
Used for attaching either 482 or 3232 head to a window or narrow sill. Attachment screw is 3/8”. Ball head not provided.

SUPER CLAMP 2900
0.6lb
This universal clamp can be securely mounted on any tube from 0.51 to 1.77”. Attachment is 5/8” hexagonal socket.

BINOCULAR SUPER CLAMP 2893
0.6lb
Designed to securely hold binoculars.

COLUMN CLAMP 3424
Versatile clamp designed to work in conjunction with removable tripod columns of between 0.98 to 1.10” diameter such as the lightweight series tripods. The Column Clamp can be securely fixed to solid surfaces or bars up to 0.98 to 1.10” width. The column with head is inserted into the clamp and locked in position at the required height. The ideal accessory for nature photography or support for binoculars and scopes.

COLUMN CLAMP FOR CARBON CENTER COLUMN 349C
Only for use with discontinued CARBON ONE series tripod (3443, 3443D, 3444, 3444D models)

VARIABLE FRICTION ARM WITH QUICK RELEASE PLATE 2929QR
2.4lb 8.8lb 3157N
Articulated arm with large locking knob. Variable friction and locking of arm obtained by adjusting the knob. Supplied with quick release camera plate with secondary safety lock based on the 3157N camera plate mechanism. Ideal for mounting a photographic or video camera exactly at the angle you need it. Fits any 5/8” female socket, works especially well with 2900 Super Clamp.

MAGIC ARM WITH QUICK RELEASE PLATE 2930QR
2.4lb 8.8lb 3157N
Your extra arm in the studio. One lever locks three pivot points. Supplied with a quick release camera plate with secondary safety lock based on the 3157N system. Ideal for mounting a camera or a camcorder exactly at the angle you need it. Fits any 5/8” female sockets, works especially well with 2900 Super Clamp.
SPECIAL ADDITIONAL FEET
A complete line of foot conversions to adapt our tripods and monopods to all type of terrains in order to give them the maximum stability possible.

RUBBER SPIKED FOOT STAINLESS STEEL
Reversible rubber/metal spiked feet (set of three) supplied with a dedicated fixing tool. The spike is made of a special, hard, anodized aluminum alloy extremely resistant to corrosion.

055SPK2 for tripod: 3011N, 3021N, 3021PRO and 3221GN3.
190SPK2 for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
190SPK2N for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
441SPK2 for tripod: 055MF3.
439SPK2 for tripod: 190MF4.

RETRACTABLE SPIKED FOOT ADAPTER
Rubber feet (set of three) with retractable metal spike.
For tripods: 3011N, 3021N and 3021PRO.

055SPK for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
190SPK2N for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
441SPK2 for tripod: 055MF3.
439SPK2 for tripod: 190MF4.

SUCTION CUP/RETRACTABLE SPIKE FEET
Rubber suction cup feet (set of three) with retractable stainless steel spike. The suction cup increases the footprint of the monopod by almost 20 times, giving much greater stability when needed. The foot can be removed and replaced at will.

055SCK2 for tripod: 3011N, 3021N, 3021PRO and 3221GN3.
190SCK2 for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
190SCK2N for tripod: 3001D, 3001N, 3001PRO and 3205GN3.
441SCK2 for tripod: 055MF3.
439SCK2 for tripod: 190MF4.

SNOW SHOES
Attach to tripod feet or monopods to provide stability in snow, mud or soft ground (set of three). For tripods: 3001D, 3001N, 3001PRO, 3205GN3, 190MF4, 3011N, 3021N, 3021PRO, 3221GN3, 055MF3, 055MF4, 458B, 3046, 475, 3051 and 3058.
Diameter: 5.43in

PLATES
Plate Adaptors

SLIDING PLATE ADAPTOR 577
Supplied with 1/4-20” and 3/8” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 3433PL sliding plate included.

HEXAGONAL PLATE ADAPTOR 625
Supplied with 1/4-20” and 3/8” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 3049 hexagonal plate included. Equipped with two built-in spirit levels.

RECTANGULAR PLATE ADAPTOR 3299
Supplied with 1/4-20” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 3157N rectangular plate included.

“DOVE TAIL” PLATE ADAPTOR 384
Supplied with 1/4-20” and 3/8” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 384PL and 384PLARCH plates included.

PLATE ADAPTOR 394
Supplied with 1/4-20” and 3/8” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 3271 plate included. Equipped with 2 built-in spirit levels.

SLIDING PLATE ADAPTOR 3273
Supplied with 1/4-20” and 3/8” camera fixing screws. Fixing 1/4-20” and 3/8” thread. 3272 sliding plate included. Dimension: 5.51x1.73x0.24in
**Hexagonal Plates**

**HEXAGONAL PLATE 3049**
3049 with 1/4-20” screw.
3048 with 3/8” screw.

**ARCH HEXAGONAL PLATE 3267**
Provides alignment for 90° shots with 35mm SLR camera.
3267 with 1/4-20” screw.
3267A with 3/8” screw.

**HEXAGONAL PLATE 3048H**
For Hasselblad cameras.
Supplied with both 1/4-20” and 3/8” screw.

**HEXAGONAL PLATE 3041**
3041 with 1/4-20” screw.
3042 with 3/8” screw.

**Rectangular Plates**

**RECTANGULAR PLATE 3157N**
3157N with 1/4-20” screw.
3157AN with 3/8” screw.

**ARCH RECTANGULAR PLATE 3157NR**
Provides alignment for 90° shots with 35mm SLR camera.
3157NR with 1/4-20” screw.
3157ANR with 3/8” screw.

**UNIVERSAL “ANTI TWIST” SPOTTING SCOPE PLATE 200USS**
This adapter plate has been specifically designed to eliminate unwanted rotation of the spotting scope during viewing. Its universal design means it can be used to mount all makes of spotting scope, no matter what their foot shape (square, rectangular, trapezium), on any Manfrotto two-way head with rapid RC2 connector system. The adapter is made from machine-tooled aluminum with a black anodized finish. In addition to the standard 1/4-20” screw, it has two grub set screws to lock the spotting scope securely in position.

**Special Plates**

**LARGE PLATE 3297**
Large 3.9x3.9in (10cm x 10cm) plate with 1/4-20” and 3/8” screw.

**“DOVE TAIL” PLATE 384PL**
384PL-14 with 1/4-20” screw.
384PL-38 with 3/8” screw.

**“DOVE TAIL” ARCH. PLATE 384PLARCH**
Provides alignment for 90° shots with 35mm SLR camera.
384PLARCH-14 with 14” screw.
384PLARCH-38 with 3/8” screw.

**ACCESSORY PLATE 3271**
3271 with 1/4-20” screw.
3271A with 3/8” screw.

**ACCESSORY PLATE 3264**
3264L = 0.51” H.
3264M = 0.91” H.
3264H = 1.65” H.

**PLATE 3433PL**
Supplied with 1/4-20” and 3/8” camera fixing screws.
Dimension: 3.99x1.50x0.43”

**SLIDING PLATE 3272**
Supplied with 2 x 1/4-20” and 2 x 3/8” camera fixing screws.
Dimension: 5.51x1.73x0.24”
TRIPOD BAGS
A tripod is a wonderful thing. Carrying one never has been...until now. With our new carrying systems, we’ve worked from the inside out to invent new contoured bag shapes that fit your kit and offer convenient ways of setting up and breaking down faster, a “space pad” that lets your shoulder carry your tripod without risking bangs and bruises, and an open backpack that keeps your hands free, your tripod protected and weight to a minimum. Whether you want a handle or strap that doesn’t even have to be removed from your tripod when you set up a shoot, or whether you need a protective shell to get your kit safely through transport, we’re pleased to say we’ve got the solution. With innovative technical features, prime materials and first class construction methods, the quality of all our bags and carrying solutions is up to the high standards you expect from Manfrotto.

Padded Tripod Bag
(models MBAG120P, MBAG100P, MBAG90P, MBAG80P)

Central handle
(on models MBAG120P, MBAG100P, MBAG90P)

End handle (on models MBAG120P, MBAG100P, MAGB900P, MAGB80P, MBAGB80)

High quality, durable ballistic nylon

Adjustable carrying handle to better balance during transportation heavy heads mounted on the tripod.
(on model MBAG120P)

Easy-grip zip opening

Internal pocket holds video head pan bar (on models MBAG120P, MBAG100P, MAGB90P)

Central handle
(on models MBAG120P, MBAG100P, MBAG90P)

End handle (on models MBAG120P, MBAG100P, MAGB900P, MAGB80P, MBAGB80)

End opening allows for faster “quiver”-style extraction and insertion of the tripod

Padded end protects tripod head

Shoulder strap

Adjustable carrying handle to better balance during transportation heavy heads mounted on the tripod.
(on model MBAG120P)

High quality, durable ballistic nylon

Easy-grip zip opening

Central handle
(on models MBAG120P, MBAG100P, MBAG90P)

End handle (on models MBAG120P, MBAG100P, MAGB900P, MAGB80P, MBAGB80)

Padded end protects tripod head

Shoulder strap

End opening allows for faster “quiver”-style extraction and insertion of the tripod
PADDED TRIPOD BAG 47.2in (120CM) MBAG120P
The largest bag in the range, the MBAG120P is padded to protect your equipment and has the following features:
• Asymmetric tapered shape allows you to store the tripod with the head attached. Tripod legs fit comfortably in the narrower end (diameter 7.9in) and extra space is allowed for the larger volume of the head at the wider end (diameter 9.1in).
• Zip extends down the length of the bag, but also fully opens the top end of the bag.
• Thermoform padding holds the tripod in place in the bag and protects it, especially the head, during transport.
• Inner pocket holds accessories (such as video head pan bars)
• Innovative design and style; ballistic nylon, zips and other materials used are of top quality
• Can be hand-carried horizontally by the side handle, vertically by the end handle (also useful for storage), or shoulder-carried using the included strap.

PADDED TRIPOD BAG 39.4in (100CM) MBAG100P
Same design as the MBAG120P but in a different size and without the double positioning carrying handle

PADDED TRIPOD BAG 35.4in (90CM) MBAG90P
Same design as the MBAG120P but in a different size and without the double positioning carrying handle

PADDED TRIPOD BAG 31.5in (80CM) MBAG80P
Basically the same as MBAG120P, but smaller, and without the side handle or inner accessory pocket. The MBAG80P is also narrower that the other padded bags. The narrow end measures 5.1in diameter, the wide end measures 5.9in.

UNPADDED TRIPOD BAG 31.5in (80CM) MBAG80
The MBAG80 is an unpadded tripod bag.
• Slightly tapered to provide a better fit for your tripod with attached head. The wider end of the bag accommodates the head without requiring all levers to be removed.
• Zip extends down the length of the bag, but also fully opens the top end of the bag.
• Logo end cap is padded to offer protection to the tripod head, the rest of the bag is unpadded.
• Shoulder strap included (the MBAG80 doesn’t have either end or side handle).
• Innovative design and style; ballistic nylon, zips and other materials used are of top quality.

UNPADDED TRIPOD BAG 27.5in (70CM) MBAG70
Same as the MBAG80, but slightly smaller.

MINI AIR BAG MBAGD
The smallest and simplest model in the range, the MBAGD is an unpadded rucksack-style bag for small tripods. It has a bungee cord top opening and adjustable straps. In resistant nylon with printed Manfrotto logo.
Tripod Carrying Systems

LONG STRAP 3044
The 3044 strap is a basic but convenient way to carry your kit. It has a spring clip that fastens quickly to the steel ring at the shoulder of the tripod, and a closed loop that goes around the feet of the tripod and tightens to grip them securely. Features an adapter for compatibility with all Manfrotto tripods and rubberized fabric for comfort and to prevent the tripod from slipping off your shoulder.

LONG STRAP GREEN 102NATL
Same as the 3044, but in green rubberized fabric to match our birdwatching and nature photography range.

LONG STRAP 3044NAR
Same as the 3044, but made with a narrower black, rubberized fabric (1.6in width instead of 2in).

SHORT STRAP 3044TSB
The 3044TSB is a simple, loop strap, with a single spring clip that attaches to the quickly to the steel ring at the shoulder of your tripod. Features an adapter for compatibility with all Manfrotto tripods. This strap is made of a gray, rubberized fabric for comfort and to prevent the tripod from slipping off your shoulder.

SHORT STRAP GREEN 3044TSG
Same as the 3044TSB, but in green rubberized fabric to match our birdwatching and nature photography range.

SHORT STRAP 3447
Same as the 3044TSB, but made with a narrower black, rubberized fabric (1.6in width instead of 2in).

APRON SUPPORT 3146
Three compartments hang below the column supported by straps above the leg locks. Fits most Manfrotto tripods.
QUICK ACTION STRAP 401N
A quick and easy accessory for carrying your tripod when walking, hiking, cycling or just getting from shoot to shoot. Use the shorter straps to fasten the padded 401N to one of the legs of your tripod, bind the remaining legs together using the longer adjustable quick release straps, sliding the tripod over your shoulder and you’re ready to go, with your hands free to grab those vital last minute items. The padding helps hold the tripod in place and protects your back from bruises and chaffing. The 401N even stays attached to your tripod when shooting (all you need to do is release the longer quick release straps so you can manoeuvre and position all three legs), so you’re always ready to capture the images you want, but also always ready to move off again to the next location.

BUCKET BACKPACK 540BB
Faster to use than a traditional back pack; more convenient than having to carry your tripod in your hand or under your arm - the bucket back pack is especially useful on longer journeys or on wilder terrain, where you still need to know that you can release the tripod, set up and shoot in seconds. It’s designed to hold any of our tripods with any video head attached: the head is placed in the lower “bucket” where its weight is better supported and less likely to swing off balance and hurt you, the legs extend up your back and are firmly tied in position. For birdwatchers, aeroplane enthusiasts and other users of spotting scopes, the bucket backpack will also let you transport your whole kit, with scope attached - as shown, the scope is cradled in the lower part of the back pack, and the tripod legs extend up your back.

HAND A LONG 458HL
Hand carrying strap system for our lightweight range of tripods, made of two adjustable straps, one to set the Hook’s distance when mounted on the tripods and the second to bind together their legs to avoid their opening during the transportation.

The strap stays attached to your tripod when shooting
Straps can be removed and custom-positioned to better match the size of your tripod
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