



MILLER ▶

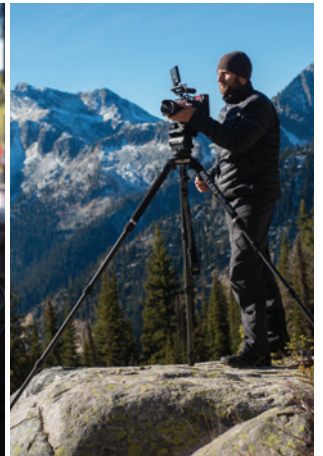
product catalogue

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Creators of the fluid head

imagine create tell



Some camera support innovations are so fundamental that it is impossible to imagine the world of television camera-work without them. The fluid action head, first patented by the Australian company Miller, is a perfect example of one such innovation. Before Bob Miller invented the world's first fluid head in 1946, camera operators had no option but to work with bulky and expensive gear-driven assemblies whereby panning shots were tricky and diagonal moves virtually impossible.

Miller fluid heads revolutionised the film and television industry by giving operators the freedom to shoot far more creatively, reduced production time and achieved shots that were previously unobtainable.

Sixty two years on and with more than 200,000 systems in use globally, Miller products feature in electronic news gathering, electronic field production, as well as cinema and television productions in world leading networks, production houses, corporate, educational and government institutions in more than 65 countries.

These organisations use Miller because it is the trusted brand of the industry, an enduring reputation earned over the years for the reliability, robustness, quality and after-sales support of its products. It is therefore comforting to know that when you own a Miller you are in good company.

Experienced operators know that reliability is crucial, and trust Miller particularly when working in remote and difficult conditions. Miller's obsession with quality is legendary, emanating from its uncompromising strive to reach the highest quality standards.

Miller's three-year Parts and Service Warranty is a testimony to the company's confidence in its products. In the unlikely event that service assistance is required, Miller has a global service network of factory-trained staff who are always ready to assist and provide peace of mind.

Quality, reliability and peace of mind. Miller - the right feel - enabling users to imagine, create and tell their story.

Fluid Heads

Why choose a Miller?

Miller Camera Support Equipment is a company solely dedicated to designing and manufacturing fluid heads, tripods and ancillary camera support equipment. Each product is made by passionate, zealous and highly skilled craftsmen whose combined number of years of experience adds up to many centuries. Miller products are made from the highest quality, environmentally-friendly materials, and manufactured using high precision CNC machinery, modern manufacturing processes under strict quality control.

Each product is tested to a stringent tolerance and performance regime through multiple levels of quality control, starting at raw material level, followed by component level and finally at finished product level and then before the product is shipped, a final check is made before packing.

Good design combined with stringent manufacturing and quality control results in many years of trouble-free service, evident by the large number of Miller products, sold many years ago, that are still in use.

When choosing a Miller Fluid Head

If you ask any camera operator what they consider to be the most important piece of equipment on a shoot, they will most likely tell you a rock solid tripod and a smooth fluid head.

When choosing a fluid head and tripod, think ahead five years plus, because this piece of equipment, will most likely be still with you then. Will it still do the job? Choosing the right fluid head and tripod system depends on many factors for example, the type and size of your camera, your shooting style and the locations your work will take you to and then finally budget. Don't be afraid to stretch the budget. Most people regret having skimmed down the track. Think of the cost of losing work due to bad equipment, not the price you pay for good equipment.

Payload & payload range

One of the most important things you need to consider when choosing a fluid head is the payload capacity. The payload capacity is dependant, not only on the dead weight of the rig, but also on the centre of gravity of the total camera rig placed on top of the fluid head, including the camera, lens and other accessories.

Centre of gravity (COG) is defined as the point at which the entire weight of a body may be considered as concentrated, so that if supported at this point, the body would remain in equilibrium in any position.

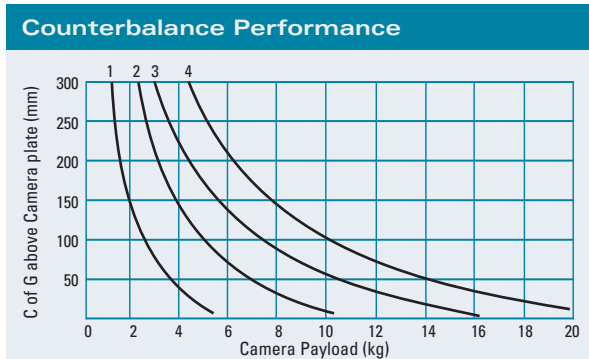
The centre of gravity of a symmetrical cube is the physical center of the cube. A camera rig however is not a symmetrical object and its COG may be anywhere along the length of the rig and between 50mm to 150mm or more, above the camera plate. Typically, fluid head manufacturers specify the payload range at 100mm to 150mm above the camera plate.

Counterbalance

Counterbalance is used to counter the weight of the camera rig when tilting. The amount of counterbalance force required depends on the weight of the rig and the location of its center of gravity. When setting up a Fluid head with the camera rig mounted, the balance point of the rig needs to be found by sliding the rig backwards or forward to a point of equilibrium with counterbalance set to minimum.

After the camera rig is balanced to a point where the rig stays level, the Counterbalance (CB) springs, built-in within the head, take over when CB is stepped up and the rig is tilted backwards or forward. If the CB force is too strong, then the rig will spring back and CB should be set to a lower step. If the CB is too light, the rig will drop forward or backwards. In this case CB should be increased. By selecting the right CB position, using the Counterbalance selector knob, you are looking to select a spring with the right amount of force to keep the rig at approximately half tilt, without springing back to level or dropping to full tilt. It is possible that the exact amount of counterbalance force required lies somewhere between two positions of the CB selector. In this case, select the position that provides a slight amount of spring-back and add some tilt drag to counter the spring-back. In the case of Arrow^x switch on CB Plus to add a half step.

In a practical example, the payload range of a Compass 12 at 100mm COG is specified as 2kg (4.4lbs) to 10kg (22lbs). Say your camera with lens weighs 4kg (8.8lbs) and you add a matte box and top mount viewfinder that weigh 5kg (11lbs). Total payload is now 9kg (20lbs). At face value it would appear that the Compass 12 is suitable for your rig, however if the center of gravity is at say 150mm above the camera plate, the payload range of the Compass 12 is reduced to around 7kg (14.4lbs), which means that the Compass 12 is not the right head for your rig and you need to move up to something bigger.



The Counterbalance performance graphs, published in this catalogue are intended to enable you to work out the payload range at different heights of COG. Always allow enough payload range headroom allowing for lens and accessory changes.

To determine which product meets your requirements best, review the fluid head payload specifications, analyse the additional key features of the head such as the number of counterbalance positions, camera plate travel range and pan-tilt drag controls. Multiple choices are available from Miller ranging from compact lightweight 75mm heads through to heavy duty 150mm heads to suit your every application and budget.

Pan-tilt fluid drag

Soft starts and smooth stops are the hallmarks of Miller's fluid drag system. In much the same way as the stroke of a rower is controlled by water, the fluid drag system applies carefully controlled resistance to ensure the force (torque) generated by the camera operator is counteracted by constant resistance through the entire pan or tilt action including start and stop. Miller prides itself and is known to make the world best constant drag fluid heads with smooth starts and soft stops.

Miller offers a variety of models, including single and multi-drag. Unlike windup drag systems, stepped drag enables the user to precisely and repeatedly select the level of drag depending upon the focal length of the lens, shooting frame rate, distance from the subject, size and the speed of camera movement.

Stepped drag is particularly advantageous where quick repeatability of drag is required. The user can rapidly deploy light pan and tilt drag settings for fast action shots, and then switch to heavier drag for long steady zoom sequences. A lower shooting frame rate, for example, 24 fps, may require slower pan and tilts to reduce frame judder. In this case, more drag resistance may be required.

In addition to pan-tilt drag, when choosing a fluid head, diagonal drag needs to be considered. Drag should be symmetrical in all directions when, for example, if both pan and tilt drag are set on position 3, then drag should feel the same in every direction.

Pan-tilt locks

Camera operators in the know, look for bounce-free pan and tilt locks. When shooting a long sequence, for example, if the fluid head needs to be locked off in a fixed position, the locking action should not cause any picture disturbance.

Miller uses a floating calliper locking system, which means that the calliper is freely floating and automatically finds the right position, enabling it to grab the locking disc without causing any bounce or picture disturbance.

In summary

When choosing a fluid head:-

- Buy it for the long term and do not skimp on price.
- Choose the head with the right payload capacity for you. Take into account changing COG due to changing rig configurations.
- Smooth start, soft stops and constant drag are fundamental requirements of a fluid head.
- The locking mechanism should not create a disturbance in the picture.
- Miller staff and dealers should be pleased to assist you with any information and advice required.

Miller 3 year global warranty

Miller warrants that all products in this catalogue to be free from defects in material and workmanship under normal and proper usage for a period of thirty-six (36) months from the date of purchase.

Upon presentation of proof of purchase, Miller will repair, to original product specifications, at no cost for parts and labour to the purchaser.

75mm series

Fluid head range

Built to withstand the rigours of modern digital video production, the Miller 75mm range of fluid heads and tripods is lightweight, compact and reliable even in the most challenging shooting conditions.

The Miller 75mm fluid head range, including AIR, DS and Compass, has been specifically developed for ENG, small studio and location productions.

Controls are simple and easy to operate ideal for small to medium size cameras perfect for operators seeking professional performance without compromise on quality.

At a glance

- Authentic Miller fluid head pan-tilt technology
- Compact, lightweight and versatile
- Payloads between 2-12kg (4.4 - 26.5lbs)
- Sliding camera plates with suitable travel to enable accurate balance
- + 90° to -75° tilt range
- Simple easy-to-operate controls
- 75mm ball levelling
- The Compass range features an illuminated bubble level
- Removable ball level stud for flat base mounting



*Jonah M. Kessel
The New York Times video journalist*

“The legs are super light, easy to carry with the strap built-in and simply far more advanced than any other tripod I’ve encountered in the same price range,” Kessel concludes. “Also, the head hits a sweet spot, offering incredible functionality for its small size. For run-and-gun shoots in challenging locations, it is important to find the lightest possible option that lets you work quickly and comfortably - and, for me, that’s the Miller Air.”

1042 AIR FLUID HEAD



THE LIGHTWEIGHT, BROADCAST QUALITY, TRAVEL COMPANION FOR PROFESSIONALS

AIR is purpose-built for new entrants into the field of videography and for professionals who want a lightweight travel companion for payloads up to 5kg (11lbs).

For that fast action run and gun shooting you will need the dual position counterbalance plus 60mm camera plate travel to enable quick and easy balancing in both standard and heavier camera configurations. Whatever your application the AIR will always impress.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers. Featuring precision ball bearing supported pan and tilt movements, AIR is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 5kg (11lbs).

AIR fluid drag system is uniquely designed to employ smooth start and soft stop technology with no variation in performance over a wide range of temperatures and environments.

AIR is a lightweight compact choice that will deliver good dependable results for many years. It meets the demands of professional storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact, lightweight, dependable.
- 2 selectable positions of counterbalance.
- Perfect for camera payloads to 2-5kg (4.4-11lbs).
- Unique, reliable fluid drag technology delivering smooth starts, soft stops pans-tilt actions.
- Consistent fluid drag performance in extreme environments.
- Precision ball bearing mounted pan-tilt movement.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate.
- Robust construction for rugged outdoor shooting conditions, built for endurance.
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Accessory mount option for viewfinders.
- Optional second pan handle mount.
- Three-year warranty.

Quick release camera plate knob

Positive pan-tilt locks calliper brake system

Perfect for payloads up to 5kg

75mm ball levelling with bubble level

Quick release camera plate with 60mm balance travel with 1/4" + pin, 1/4" and 3/8" screws

Serrated handle clamp wear washer

2-position selectable counterbalance system for payloads 2-5kg

Accessory mount option

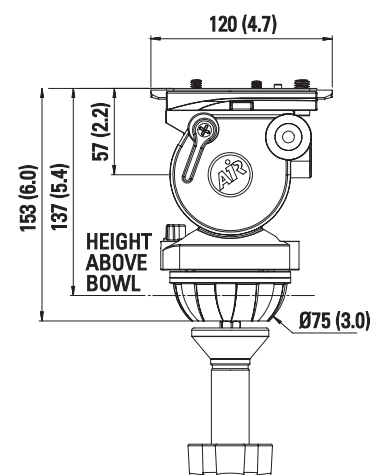
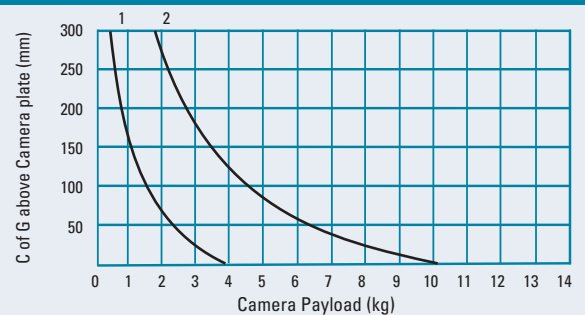
Removable ball level stud for mounting to flat bases, Sliders & Solopod



Specifications -1042

Weight	1.4kg (3.0lbs)
Payload range	2.0-5.0kg (4.4-11lbs)
Pan-tilt drag	Fluid drag, temperature resistant
Counterbalance	2 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+ 90 / -75°
Pan range	360°
Camera platform	Quick release, 60mm balance travel with 1/4" + pin, 1/4" and 3/8" screws with spare screw mounting points on head
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball levelling
Height above bowl	137mm (5.4")
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems AIR

3001 System AIR Solo 75-2 (alloy)



2-5kg
4.4-11lbs



4.8kg
10.7lbs



371-1762mm
14.6-69.4"



837mm
33"



Components:

1042	AIR fluid head
1630	Solo 75 2-stage tripod (alloy)
682	Pan handle - fixed with clamp
2095	AIR tripod bag

3005 System AIR Solo 75-2 (carbon fibre)



2-5kg
4.4-11lbs



4.4kg
10.0lbs



371-1751mm
14.6-68.9"



831mm
32.7"



Components:

1042	AIR fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
682	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
2095	AIR tripod bag

3010 System AIR Solo 75-3 (carbon fibre)



2-5kg
4.4-11lbs



5.0kg
11.1lbs



357 - 2007mm
14.1 - 79.0"



822mm
32.4"



Components:

1042	AIR fluid head
2001	Solo 75 3-stage tripod (carbon fibre)
682	Pan handle - fixed with clamp
2095	AIR tripod bag
1520	Solo shoulder strap (Aircell)

3015 System AIR Toggle LW (alloy) with 835 DS tripod spreader + 550 feet



2-5kg
4.4-11lbs



5.0kg
11.1lbs



757-1467mm
29.8-57.6"



967mm
38.1"



Components:

1042	AIR fluid head
440	Toggle 75 LW tripod (alloy)
682	Pan handle - fixed with clamp
835	DS tripod spreader
550	Rubber feet (set of 3)
554	Shoulder strap (padded)
874	DS softcase LW 1-stage

*System weights do not include the weight of the bag



AIR System Comparison Chart

CAT	Components:	3001	3005	3010	3015
1042	AIR fluid head	•	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin	•	•	•	•
681	Pan handle - fixed with clamp	•	•	•	•
1630	Solo 75 2-stage tripod (alloy)	•			
1501	Solo 75 2-stage tripod (carbon fibre)		•		
2001	Solo 75 3-stage tripod (carbon fibre)			•	
835	DS tripod spreader				•
440	Toggle 75 LW tripod (alloy)				•
2095	AIR tripod bag	•	•	•	
1520	Solo shoulder strap (Aircell)		•	•	
874	DS softcase LW 1-stage				•
550	Rubber feet (set of 3)				•
554	Shoulder strap (padded)				•

Accessories

2092	1/4" Accessory adaptor
1204	Additional camera plate with 1/4" & 3/8" screws + 1/4" screw & pin
682	Additional pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
554	Shoulder strap (padded)
394	Solo dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly



182 DS10 FLUID HEAD



THE LIGHTWEIGHT PROFESSIONAL CHOICE

The DS10 fluid head has earned a reputation for providing professional fluid drag movement for camera operators working solo in the field. DS10 is an all in one solution for payloads up to 5kg (11lbs).

Whether you are in the field or configured for production use, the dual position counterbalance plus 60mm camera plate travel enables quick and easy balancing in both standard and accessorised camera configurations.

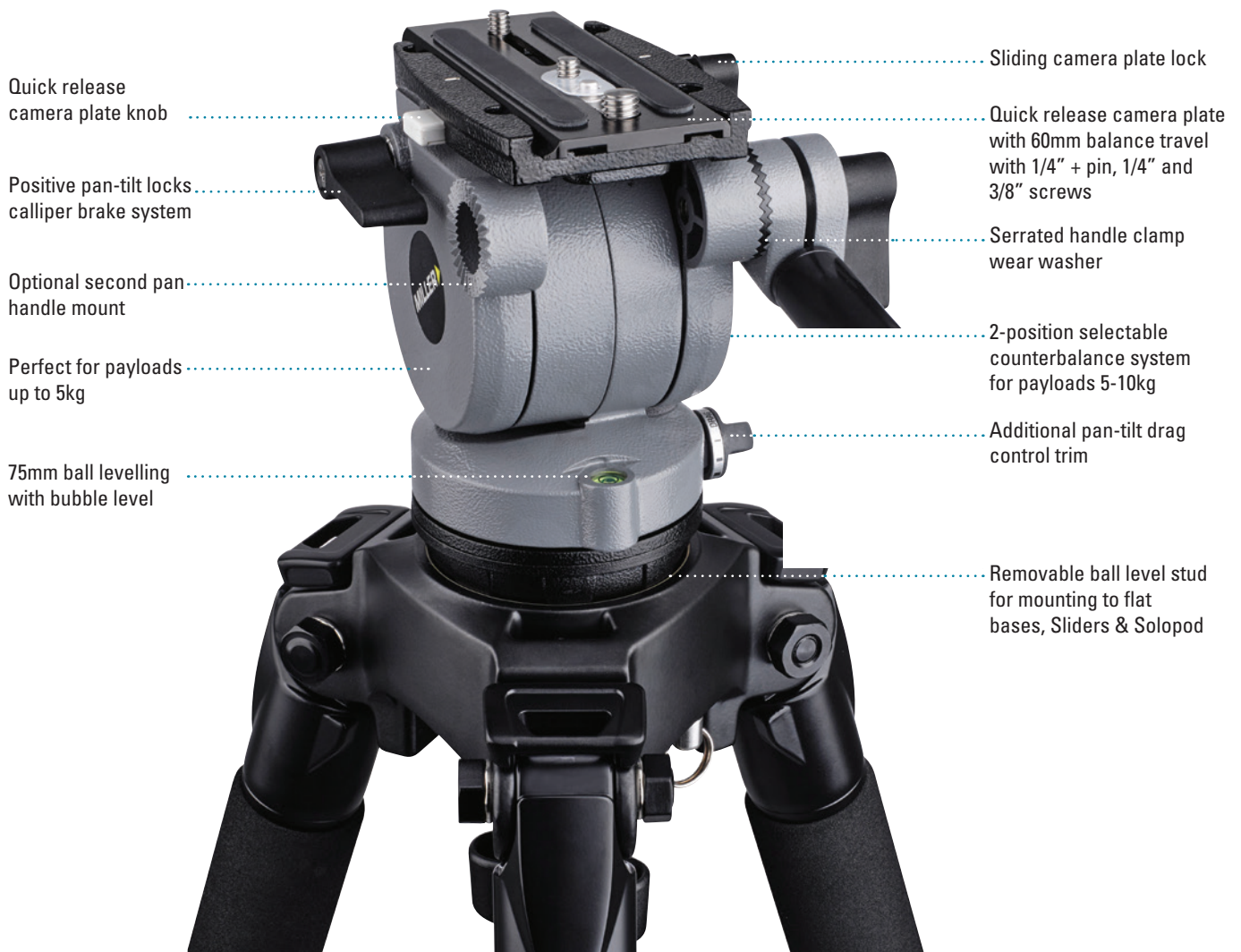
Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, DS10 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 5kg (11lbs).

DS10 fluid drag system is uniquely designed to employ smooth starts and soft stops technology with no variation in performance over a wide range of temperatures and environments.

DS10 is a heavy duty performer that will deliver good dependable results for many years. It meets the demands of professional storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact, lightweight, dependable.
- 2 selectable positions of counterbalance.
- Perfect for camera payloads to 2.5-5kg (5.5-11lbs).
- Unique, reliable fluid drag technology delivering smooth starts, soft stops pans-tilt actions.
- Consistent fluid drag performance in extreme environments.
- Precision ball bearing mounted pan-tilt movement.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate with 1/4" screw + pin, 1/4" and 3/8" screws.
- Robust construction for rugged outdoor shooting conditions, built for endurance.
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Optional second pan handle mount.
- Three-year warranty.



Quick release camera plate knob

Positive pan-tilt locks calliper brake system

Optional second pan handle mount

Perfect for payloads up to 5kg

75mm ball levelling with bubble level

Sliding camera plate lock

Quick release camera plate with 60mm balance travel with 1/4" + pin, 1/4" and 3/8" screws

Serrated handle clamp wear washer

2-position selectable counterbalance system for payloads 5-10kg

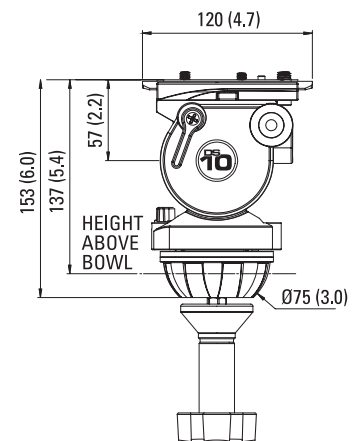
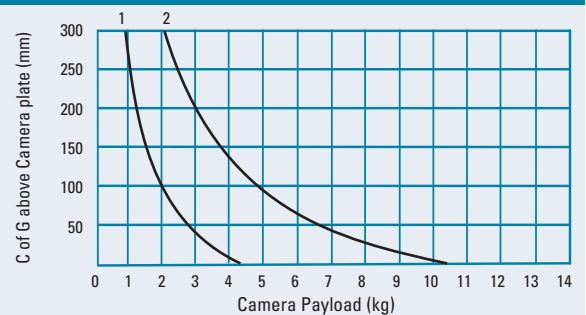
Additional pan-tilt drag control trim

Removable ball level stud for mounting to flat bases, Sliders & Solopod

Specifications -182

Weight	1.5kg (3.3lbs)
Payload range	2.5-5kg (5.5-11lbs)
Pan-tilt drag	Fluid drag, temperature resistant
Counterbalance	2 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+ 90°/ -75°
Pan range	360°
Camera platform	Quick release, 60mm balance travel with 1/4" + pin, 1/4" and 3/8" screws with spare screw mounting points on head
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball level
Height above bowl	137mm (5.4")
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



828

System DS10 Toggle LW (alloy)

with 835 DS tripod spreader + 550 feet



2.5-5kg
5.5-11lbs



5.0kg
11.1lbs



757-1467mm
29.8-57.6"



967mm
38.1"



1511

System DS10 Solo 75-2 (carbon fibre)



2.5-5kg
5.5-11lbs



4.5kg
10.0lbs



371-1751mm
14.6-68.9"



831mm
32.7"



Components:

182	DS10 fluid head
440	Toggle 75 1-stage tripod (alloy)
835	DS tripod spreader
550	Rubber feet (set of 3)
681	Pan handle - fixed with clamp
874	DS softcase LW 1-stage
554	Shoulder strap (padded)

Components:

182	DS10 fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
681	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
1518	Solo 75 2-stage tripod bag

1640

System DS10 Solo 75-2 (alloy)



2.5-5kg
5.5-11lbs



4.8kg
10.7lbs



371-1762mm
14.6-69.4"



837mm
33"



Components:

182	DS10 fluid head
1630	Solo 75 2-stage tripod (alloy)
681	Pan handle - fixed with clamp
1518	Solo 75 2-stage tripod bag

*System weights do not include the weight of the bag

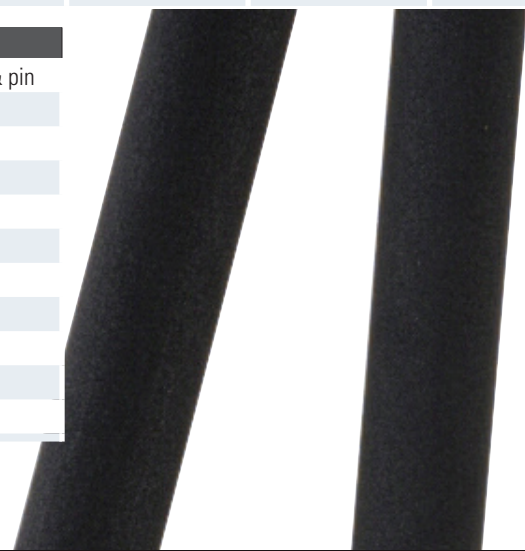


DS10 System Comparison Chart

CAT	Components:	828	1640	1511
182	DS10 fluid head	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin	•	•	•
681	Pan handle - fixed with clamp	•	•	•
440	Toggle 75 1-stage tripod (alloy)	•		
1630	Solo 75 2-stage tripod (alloy)		•	
1501	Solo 75 2-stage tripod (carbon fibre)			•
835	DS tripod spreader	•		
550	Rubber feet (set of 3)	•		
1520	Solo shoulder strap (Aircell)			•
554	Shoulder strap (padded)	•		
1518	Solo 75 2-stage tripod bag		•	•
874	DS softcase LW 1-stage	•		

Accessories

1204	Additional camera plate with 1/4" & 3/8" screws + 1/4" screw & pin
681	Additional pan handle - fixed with clamp
378	Ø75-100 tripod bowl adaptor
1520	Solo shoulder strap (Aircell)
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly



184 DS20 FLUID HEAD



MULTIFUNCTIONAL LIGHTWEIGHT FLEXIBILITY

The DS20 provides a perfect lightweight solution for those wanting to use larger cameras or for additional on-board accessories. An economical solution for payloads up to 10kg (22lbs).

Whether you are in the field or configured for small studio use, the dual position counterbalance plus 60mm camera plate travel enables quick and easy balancing in both standard and accessorised camera configurations. Whatever your application the DS20 will impress your clients.

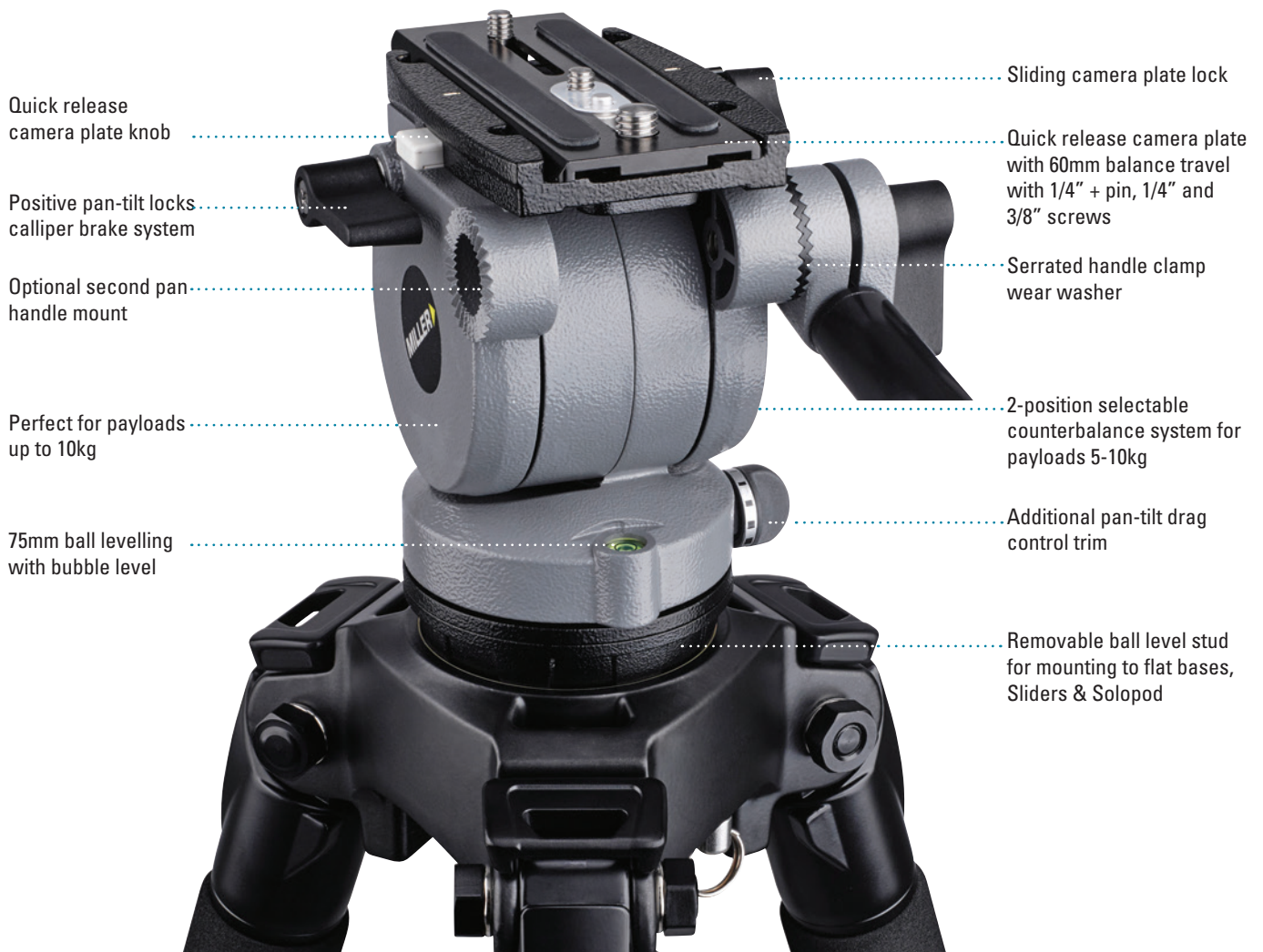
Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, DS20 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 10kg (22lbs).

DS20 fluid drag system is uniquely designed to employ smooth start and soft stop technology with no variation in performance over a wide range of temperatures and environments.

DS20 is a lightweight heavy duty choice that will deliver good dependable results for many years. It meets the demands of professional storytellers and comes with the reliability and **"THE RIGHT FEEL"**.

Features

- Compact, lightweight and a hi-performer.
- 2 selectable positions of counterbalance.
- Perfect for camera payloads to 5-10kg (11-22lbs).
- Unique, reliable fluid drag technology delivering smooth starts, soft stops pans-tilt actions.
- Consistent fluid drag performance in extreme environments.
- Precision ball bearing mounted pan-tilt movement.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate with 1/4" screw + pin, 1/4" and 3/8" screws
- Robust construction for rugged outdoor shooting conditions, built for endurance.
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Optional second pan handle mount.
- Three-year warranty.



Quick release camera plate knob

Positive pan-tilt locks calliper brake system

Optional second pan handle mount

Perfect for payloads up to 10kg

75mm ball levelling with bubble level

Sliding camera plate lock

Quick release camera plate with 60mm balance travel with 1/4" + pin, 1/4" and 3/8" screws

Serrated handle clamp wear washer

2-position selectable counterbalance system for payloads 5-10kg

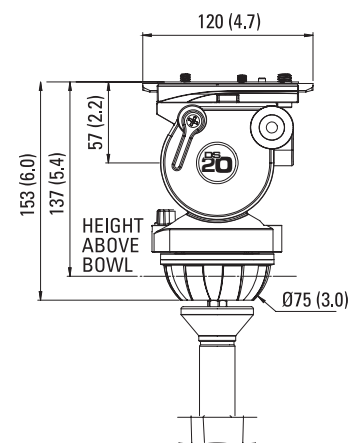
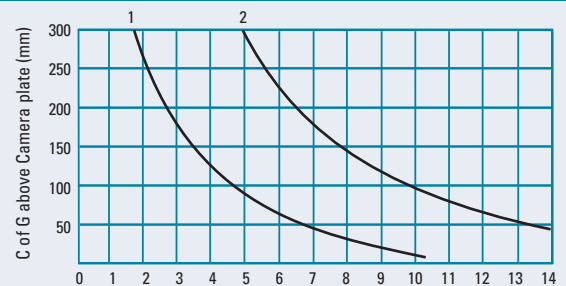
Additional pan-tilt drag control trim

Removable ball level stud for mounting to flat bases, Sliders & Solopod

Specifications -184

Weight	1.5kg (3.3lbs)
Payload range	5-10kg (11-22lbs)
Pan-tilt drag	Fluid drag, temperature resistant
Counterbalance	2 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+ 90° / -75°
Pan range	360°
Camera platform	Quick release sliding camera plate with 1/4" + pin and 1/4" and 3/8" screws
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball levelling
Height above bowl	137mm (5.4")
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems DS20

848

System DS20 Toggle 2-stage (alloy)

with 411 On ground spreader



5-10kg
11-22lbs



5.9kg
13.1lbs



527-1697mm
20.7-66.8"



827mm
32.6"



Components:

184	DS20 fluid head
420G	Toggle 75 2-stage tripod (alloy)
411	On ground spreader
681	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

850

System DS20 Toggle 2-stage (alloy)

with 508 Above ground spreader + 550 feet



5-10kg
11-22lbs



5.8kg
12.9lbs



527-1667mm
20.7-65.6"



827mm
32.6"



Components:

184	DS20 fluid head
420	Toggle 75 2-stage tripod (alloy)
508	Above ground spreader
550	Rubber feet (set of 3)
681	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1514

System DS20 Solo 75-2 (carbon fibre)



5-10kg
11-22lbs



4.5kg
10.0lbs



371-1751mm
14.6-68.9"



831mm
32.7"



Components:

184	DS20 fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
681	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
1518	Solo 75 2-stage tripod bag

1643

System DS20 Solo 75-2 (alloy)



5-10kg
11-22lbs



4.8kg
10.7lbs



371-1762mm
14.6-69.4"



837mm
33"



Components:

184	DS20 fluid head
1630	Solo 75 2-stage tripod (alloy)
681	Pan handle - fixed with clamp
1518	Solo 75 2-stage tripod bag

*System weights do not include the weight of the bag



DS20 System Comparison Chart

CAT	Components:	848	850	1643	1514
184	DS20 fluid head	•	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin	•	•	•	•
681	Pan handle - fixed with clamp	•	•	•	•
420	Toggle 75 2-stage tripod (alloy)		•		
420G	Toggle 75 2-stage tripod (alloy)	•			
1630	Solo 75 2-stage tripod (alloy)			•	
1501	Solo 75 2-stage tripod (carbon fibre)				•
411	On ground spreader	•			
508	Above ground spreader		•		
550	Rubber feet (set of 3)		•		
1520	Solo shoulder strap (Aircell)				•
554	Shoulder strap (padded)	•	•		
1518	Solo 75 2-stage tripod bag			•	•
876	DS softcase 2-stage	•	•		

Accessories

1204	Additional camera plate with 1/4" & 3/8" screws + 1/4" screw & pin
681	Additional pan handle - fixed with clamp
378	Ø75-100 tripod bowl adaptor
1520	Solo shoulder strap (Aircell)
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly

1033 COMPASS 12 FLUID HEAD



AFFORDABLE, LIGHT ALL-ROUNDER FOR SHOOTERS ON THE GO

The Compass 12 is designed for “on the go” creative professionals who want the best at an affordable price and is suitable for cameras and configurations payloads up to 10kg (22lbs). The advanced precision fluid drag and counterbalance systems operated by slim in line radial ring controls result in quicker and easier set up.

With an extended 3+0 position fluid drag system employing smooth start and soft stop technology and 4 counterbalance settings plus 60mm camera plate balance travel, the Compass 12 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Compass 12 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 10kg (22lbs).

Compass 12, great for documentary and video journalism and will deliver hi-performance time after time. It meets the demands of inspiring story tellers and comes with the reliability and “**THE RIGHT FEEL**” that are the hallmarks of every Miller product.

Features

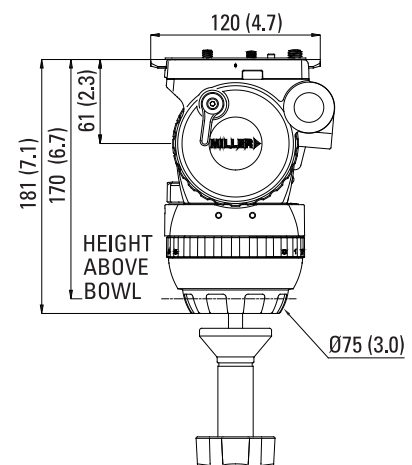
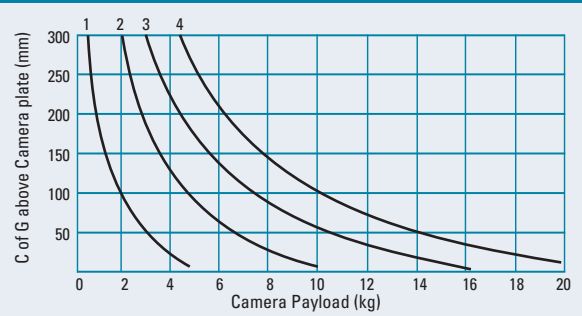
- Compact, lightweight and versatile.
- 3 selectable of fluid pan-tilt and tilt drag positions + 0.
- 4 selectable counterbalance positions.
- Perfect for payloads to 2-10kg (4.4-22lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transition.
- Controls slim in-line radial ring controls.
- Illuminated bubble level.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate with 1/4" + pin, 1/4" and 3/8" screws.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mount for viewfinders and accessories.
- Three-year warranty.



Specifications -1033

Weight	2.4kg (5.2lbs)
Payload range	1.5-10kg (3.3-22lbs)
Pan-tilt drag	3 selectable fluid drag positions + 0
Counterbalance	4 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Sliding camera plate with 1/4" + pin with 1/4" and 3/8" screws
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball levelling
Height above bowl	170mm (6.7")
Illuminated controls	Bubble level
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Compass 12

1870

System Compass 12 Solo 75-2 (carbon fibre)



1.5-10kg
3.3-22lbs



5.5kg
12.2lbs



404-1784mm
15.9-70.2"



864mm
34"



Components:

1033	Compass 12 fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

1872

System Compass 12 Toggle LW (alloy) with 835 DS tripod spreader + 550 feet



1.5-10kg
3.3-22lbs



6.0kg
13.3lbs



790-1500mm
31.1-59"



1000mm
39.4"



Components:

1033	Compass 12 fluid head
440	Toggle 75 LW tripod (alloy)
835	DS tripod spreader
679	Pan handle - fixed with clamp
550	Rubber feet (set of 3)
1520	Solo shoulder strap (Aircell)
874	DS softcase LW 1-stage

1873

System Compass 12 Toggle 2-stage (alloy) with 411 On ground spreader



1.5-10kg
3.3-22lbs



6.9kg
15.3lbs



560-1730mm
22-68.1"



860mm
33.9"



Components:

1033	Compass 12 fluid head
420G	Toggle 75 2-stage tripod (alloy)
411	On ground spreader
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1874

System Compass 12 Toggle 2-stage (alloy) with 508 Above ground spreader + 550 feet



1.5-10kg
3.3-22lbs



6.8kg
15.1lbs



560-1730mm
22-68.1"



860mm
33.9"



Components:

1033	Compass 12 fluid head
420	Toggle 75 2-stage tripod (alloy)
508	Above ground spreader
679	Pan handle - fixed with clamp
550	Rubber feet (set of 3)
554	Shoulder strap (padded)
876	DS softcase 2-stage

*System weights do not include the weight of the bag

1876
System Compass 12 Solo 75-2 (alloy)



1.5-10kg
3.3-22lbs



6.0kg
13.3lbs



404-1795mm
15.9-70.7"



870mm
34.3"



Components:

1033	Compass 12 fluid head
1630	Solo 75 2-stage tripod (alloy)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

2010
System Compass 12 Solo 75-3 (carbon fibre)



1.5-10kg
3.3-22lbs



6.0kg
13.3lbs



390-2040mm
15.4-80.3"



828mm
32.6"



Components:

1033	Compass 12 fluid head
2001	Solo 75 3-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

Compass 12 System Comparison Chart

CAT	Components:	1870	1872	1873	1874	1876	2010
1033	Compass 12 fluid head	•	•	•	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin	•	•	•	•	•	•
679	Pan handle - fixed with clamp	•	•	•	•	•	•
420	Toggle 75 2-stage tripod (alloy)				•		
420G	Toggle 75 2-stage tripod (alloy)			•			
440	Toggle 75 LW tripod (alloy)		•				
1630	Solo 75 2-stage tripod (alloy)					•	
1501	Solo 75 2-stage tripod (carbon fibre)	•					
2001	Solo 75 3-stage tripod (carbon fibre)						•
411	On ground spreader			•			
508	Above ground spreader				•		
835	DS tripod spreader		•				
550	Rubber feet (set of 3)		•		•		
1520	Solo shoulder strap (Aircell)	•	•			•	•
554	Shoulder strap (padded)			•	•		
874	DS softcase LW 1-stage		•				
876	DS softcase 2-stage	•		•	•	•	•

Accessories:

1204	Additional camera plate with 1/4" & 3/8" screws + 1/4" screw & pin
858	Additional offset camera plate with 2 x 3/8" screws
679	Pan handle - fixed with clamp
378	Ø75-100 tripod bowl adaptor
694	Pan handle - telescopic with clamp
1216	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1216
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly

1034 COMPASS 15 FLUID HEAD



LIGHT, VERSATILE AND MULTIFUNCTIONAL

The Compass 15 is a versatile compact 75mm fluid head suitable for cameras and configurations payloads up to 10kg (22lbs). The advanced precision fluid drag and counterbalance systems operated by slim in line radial ring controls result in quicker and easier set up.

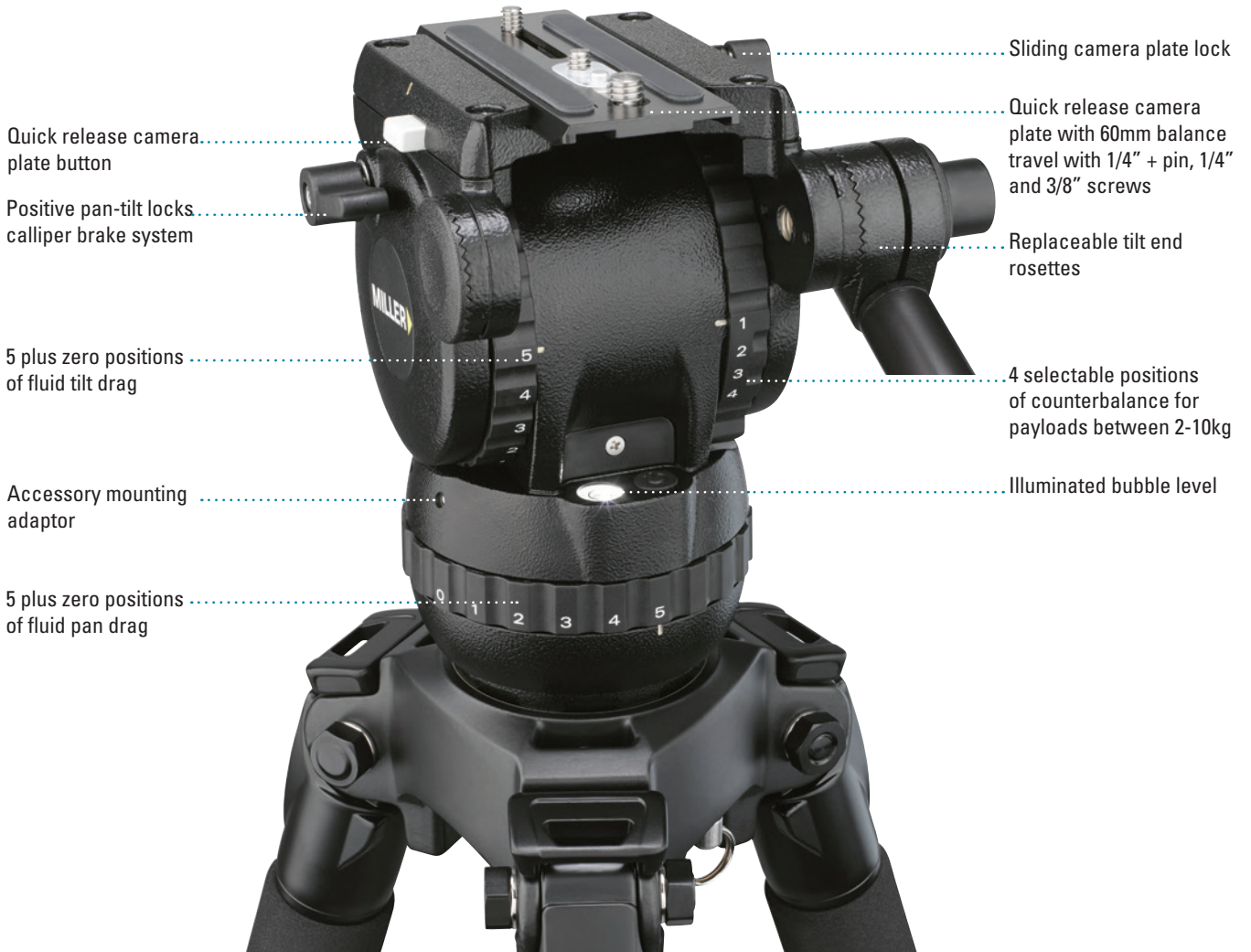
With an extended 5+0 position fluid drag system employing smooth start and soft stop technology and 4 counterbalance settings plus 60mm camera plate balance travel, the Compass 15 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Compass 15 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 10kg (22lbs).

Compass 15, is the head of choice for documentary video journalism users and will deliver great performance time after time. It meets the demands of inspiring storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

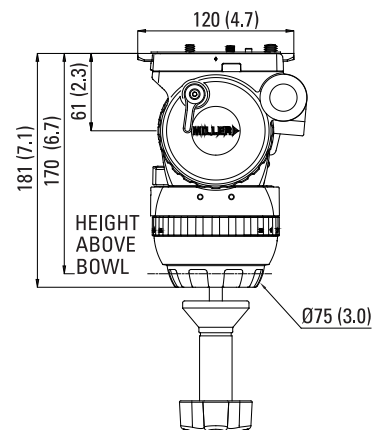
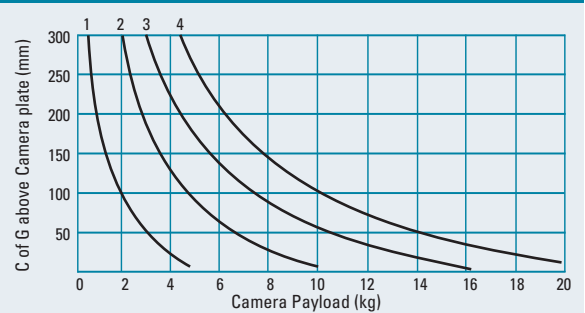
- Compact, lightweight and versatile.
- 5 selectable of fluid pan and tilt drag positions + 0.
- 4 selectable counterbalance positions.
- Perfect for payloads to 2-10kg (4.4-22lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transition.
- Controls slim in-line radial ring controls.
- Illuminated bubble level.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate with 1/4" + pin, 1/4" and 3/8" screws.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mount for viewfinders and accessories.
- Three-year warranty.



Specifications -1034

Weight	2.6kg (5.7lbs)
Payload range	1.5-10kg (3.3-22lbs)
Pan-tilt drag	5 selectable fluid drag positions + 0
Counterbalance	4 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Sliding camera plate with 1/4" + pin with 1/4" and 3/8" screws
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball levelling
Height above bowl	170mm (6.7")
Illuminated controls	Bubble level
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Compass 15

1827

System Compass 15 Toggle 2-stage (alloy)

with 411 On ground spreader



1.5-10kg
3.3-22lbs



7.1kg
15.8lbs



560-1730mm
22-68.1"



860mm
33.9"



Components:

1034	Compass 15 fluid head
420G	Toggle 75 2-stage tripod (alloy)
411	On ground spreader
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1828

System Compass 15 Toggle 2-stage (alloy)

with 508 Above ground spreader + 550 feet



1.5-10kg
3.3-22lbs



7.0kg
15.6lbs



560-1730mm
22-68.1"



860mm
33.9"



Components:

1034	Compass 15 fluid head
420	Toggle 75 2-stage tripod (alloy)
508	Above ground spreader
550	Rubber feet (set of 3)
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1831

System Compass 15 Solo 75-2 (alloy)



1.5-10kg
3.3-22lbs



6.2kg
13.8lbs



404-1795mm
15.9-70.7"



870mm
34.3"



Components:

1034	Compass 15 fluid head
1630	Solo 75 2-stage tripod (alloy)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

1833

System Compass 15 Solo 75-2 (carbon fibre)



1.5-10kg
3.3-22lbs



5.7kg
12.7lbs



404-1784mm
15.9-70.2"



864mm
34"



Components:

1034	Compass 15 fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

*System weights do not include the weight of the bag

2020
System Compass 15 Solo 75-3 (carbon fibre)



1.5-10kg
3.3-22lbs



6.2kg
13.8lbs



390-2040mm
15.4-80.3"



828mm
32.6"



Components:

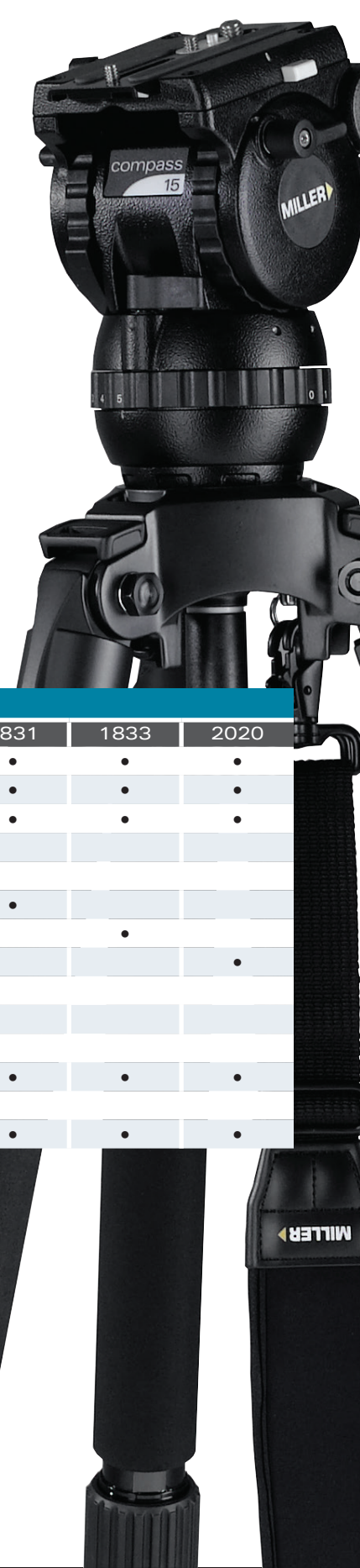
1034	Compass 15 fluid head
2001	Solo 75 3-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

Compass 15 System Comparison Chart

CAT	Components:	1827	1828	1831	1833	2020
1034	Compass 15 fluid head	•	•	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin	•	•	•	•	•
679	Pan handle - fixed with clamp	•	•	•	•	•
420	Toggle 75 2-stage tripod (alloy)		•			
420G	Toggle 75 2-stage tripod (alloy)	•				
1630	Solo 75 2-stage tripod (alloy)			•		
1501	Solo 75 2-stage tripod (carbon fibre)				•	
2001	Solo 75 3-stage tripod (carbon fibre)					•
411	On ground spreader	•				
508	Above ground spreader		•			
550	Rubber feet (set of 3)		•			
1520	Solo shoulder strap (Aircell)			•	•	•
554	Shoulder strap (padded)	•	•			
876	DS softcase 2-stage	•	•	•	•	•

Accessories

858	Offset camera plate with 2 x 3/8" screws
679	Additional pan handle - fixed with clamp
694	Pan handle - telescopic with clamp
378	Ø75-100 tripod bowl adaptor
1216	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1216
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly



1036 COMPASS 20 FLUID HEAD



SPEED, PERFORMANCE, VERSATILITY

The Compass 20 is a unique and adaptable compact 75mm fluid head suitable for cameras and configurations payloads up to 12kg (26.5lbs). The advanced precision fluid drag and counterbalance systems operated by slim in line radial ring controls result in quicker and easier set up.

With an extended 5+0 position fluid drag system employing smooth start and soft stop technology and 4 counterbalance settings plus 60mm camera plate balance travel, the Compass 20 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Compass 20 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 12kg (26.5lbs).

Compass 20, is the head of choice for ENG and documentary users and will deliver great performance time after time. It meets the demands of inspiring storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact, lightweight and versatile.
- 5 selectable of fluid pan and tilt drag positions + 0.
- 4 selectable counterbalance positions.
- Perfect for payloads to 2-12kg (4.4-26.5lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transition.
- Controls slim in-line radial ring controls.
- Illuminated bubble level.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release 60mm sliding camera platform with camera plate (mini euro).
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mount for viewfinders and accessories.
- Three-year warranty.

Quick release 60mm sliding camera platform with Camera plate (Mini euro) and 1/4" + pin, 1/4" and 3/8" screws

Quick release camera platform button

Positive pan-tilt locks calliper brake system

5 plus zero positions of fluid tilt drag

5 plus zero positions of fluid pan drag

Sliding camera plate lock

Replaceable tilt end rosettes

4 selectable positions of counterbalance for payloads between 2-12kg

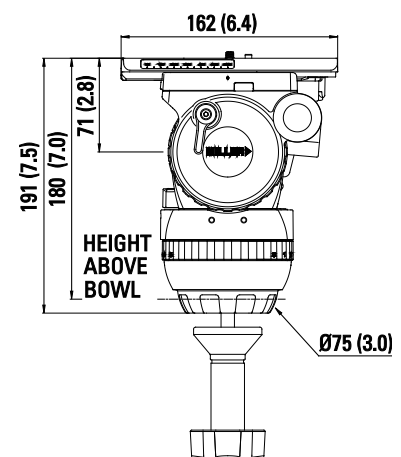
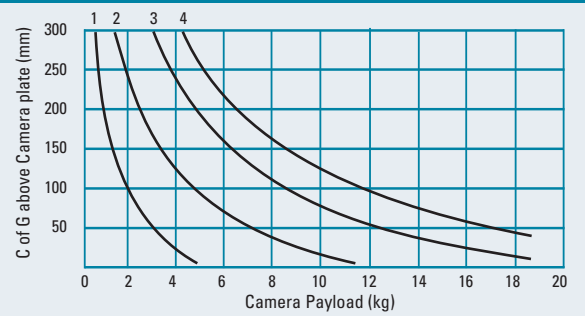
Illuminated bubble level for easy balance



Specifications -1036

Weight	2.8kg (6.17lbs)
Payload range	2-12kg (4.4-26.5lbs)
Pan-tilt drag	5 selectable fluid drag positions + 0
Counterbalance	4 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Sliding camera platform with quick release mini Euro camera plate with 1/4" + pin, 1/4" and 3/8" screws
Sliding range	60mm (2.4")
Mounting base	Ø75mm (2.9") ball levelling
Height above bowl	180mm (7.1")
Illuminated controls	Bubble level
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Compass 20

1840

System Compass 20 Toggle 2-stage (alloy)
with 411 On ground spreader



2-12kg
4.4-26.5lbs



7.3kg
16.2lbs



570-1740mm
22.4-68.5"



870mm
34.3"



Components:

1036	Compass 20 fluid head
420G	Toggle 75 2-stage tripod (alloy)
411	On ground spreader
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1841

System Compass 20 Toggle 2-stage (alloy)
with 508 Above ground spreader + 550 feet



2-12kg
4.4-26.5lbs



7.2kg
16.0lbs



570-1740mm
22.4-68.5"



870mm
34.3"



Components:

1036	Compass 20 fluid head
420	Toggle 75 2-stage tripod (alloy)
508	Above ground spreader
550	Rubber feet (set of 3)
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1844

System Compass 20 Solo 75-2 (alloy)



2-12kg
4.4-26.5lbs



6.4kg
14.2lbs



414-1805mm
16.3-71.1"



880mm
34.6"



Components:

1036	Compass 20 fluid head
1630	Solo 75 2-stage tripod (alloy)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

1846

System Compass 20 Solo 75-2 (carbon fibre)



2-12kg
4.4-26.5lbs



5.9kg
13.1lbs



414-1794mm
16.3-70.6"



874mm
34.4"



Components:

1036	Compass 20 fluid head
1501	Solo 75 2-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

*System weights do not include the weight of the bag

2030
System Compass 20 Solo 75-3 (carbon fibre)



2-12kg
4.4-26.5lbs



6.4kg
14.2lbs



400-2050mm
15.7-80.7"



838mm
33"



Components:

1036	Compass 20 fluid head
2001	Solo 75 3-stage tripod (carbon fibre)
679	Pan handle - fixed with clamp
1520	Solo shoulder strap (Aircell)
876	DS softcase 2-stage

Compass 20 System Comparison Chart

CAT	Components:	1840	1841	1844	1846	2030
1036	Compass 20 fluid head	•	•	•	•	•
1208	Camera plate mini (Euro) with 1/4" & 3/8" screws	•	•	•	•	•
679	Pan handle - fixed with clamp	•	•	•	•	•
420	Toggle 75 2-stage tripod (alloy)		•			
420G	Toggle 75 2-stage tripod (alloy)	•				
1630	Solo 75 2-stage tripod (alloy)			•		
1501	Solo 75 2-stage tripod (carbon fibre)				•	
2001	Solo 75 3-stage tripod (carbon fibre)					•
411	On ground spreader	•				
508	Above ground spreader		•			
550	Rubber feet (set of 3)		•			
1520	Solo shoulder strap (Aircell)			•	•	•
554	Shoulder strap (padded)	•	•			
876	DS softcase 2-stage	•	•	•	•	•

Accessories

858	Offset camera plate with 2 x 3/8" screws
679	Additional pan handle - fixed with clamp
694	Pan handle - telescopic with clamp
378	Ø75-100 tripod bowl adaptor
1216	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1216
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws



100mm series

Fluid head range

The Miller 100mm fluid head range, including Compass and Arrow^x, has been designed for fast-paced ENG, EFP, documentary and OB productions. The 100mm range of fluid heads provides unsurpassed fluid drag performance and precise counterbalance control for camera payloads ranging from 1-25kg (2.2-55lbs).

Precision engineered and built to withstand the world's most challenging environments, the 100mm range is a class leader for versatility and portability. The wide range of pan and tilt drag settings enable shots ranging from fast action to long slow heavy pans make 100mm range perfect for even the most demanding location shot.

At a glance

- Authentic Miller fluid drag system with smooth start and soft stop technology & balanced diagonal transitions
- Compact, lightweight and versatile
- Payloads between 1-25kg (2.2-55lbs)
- Quick release sliding camera platforms with good balance travel
- + 90° to -75° tilt range
- Easy to operate illuminated pan-tilt drag controls
- 100mm ball levelling with illuminated bubble level
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance
- Robust construction for rugged outdoor shooting conditions.
- Water and dust resistant



Randall Brown with Filmmaker For A Cause

"There were times when we had to shoot through freezing temperatures, heavy rain and high winds, which are all weather conditions that, in the past, have caused us a great deal of equipment troubles," says Brown.

"But with the Arrow 55 System, weather was never an issue. The fluid head is sealed, which means that rain never got into the movement and did not hinder our shots. Additionally, the inline carry handles allowed us the flexibility to quickly grab the entire tripod assembly and speedily carry it to different shooting locations. Though these all seem like small things, they add up to be big advantages."

1037 COMPASS 23 FLUID HEAD



LOW AND LIGHTWEIGHT FOR HEAVY PAYLOADS

The Compass 23 is an affordable choice for users with cameras that require a lightweight, compact 100mm fluid head for ENG and documentary productions with camera payloads up to 14kg (30.9lbs). The advanced precision fluid drag and counterbalance systems operated by slim in line radial ring controls result in quicker and easier set up.

With an extended 3+0 position fluid drag system employing smooth start and soft stop technology and 4 counterbalance settings plus 60mm camera plate balance travel, the Compass 23 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Compass 23 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 14kg (30.9lbs).

Compass 23, is the head of choice for ENG and documentary users and will deliver great performance time after time. It meets the demands of inspiring storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

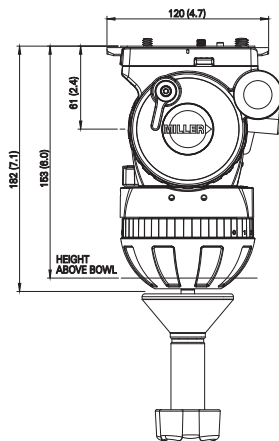
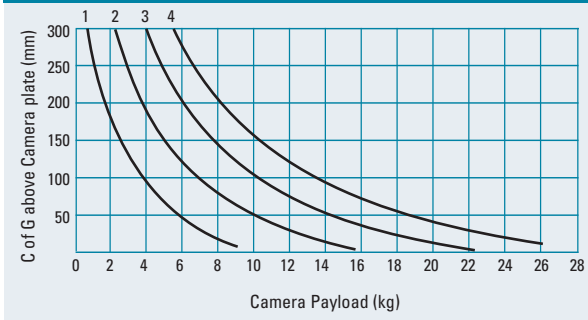
- Compact, lightweight and cost effective.
- 3 selectable of fluid pan and tilt drag positions +0.
- 4 selectable counterbalance positions.
- Perfect for payloads to 4-14kg (8.8-30.9lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transition.
- Controls slim in-line radial ring controls.
- Illuminated bubble level.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 60mm balance travel camera plate with 1/4" + pin, 1/4" and 3/8" screws.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mount for viewfinders and accessories.
- Three-year warranty.



Specifications -1037

Weight	2.4kg (5.3lbs)
Payload range	4-14kg (8.8-30.9lbs)
Pan-tilt drag	3 Selectable fluid drag positions + 0
Counterbalance	4 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Quick release sliding camera plate with 60mm travel and 1/4", 3/8" and 1/4" + Pin carriage
Sliding range	60mm (2.4")
Mounting base	Ø100mm ball levelling
Height above bowl	153mm (6.0")
Illuminated controls	Bubble level
Pan handle	Fixed length 390mm (15.4")
Temperature range	-40° to +65° C (-40° to +149°F)

Counterbalance Performance



Systems Compass 23

1861

System Compass 23 Sprinter II 1-stage (alloy)
with 993 Mid level spreader + 475 feet



4-14kg
8.8-30.9lbs



7.1kg
15.8lbs



823-1583mm
32.4-62.3"



1030mm
40.6"



Components:

1037	Compass 23 fluid head
1589	Sprinter II 1-stage tripod (alloy)
993	Mid level spreader
679	Pan handle - fixed with clamp
475	Rubber feet (set of 3)
870	Arrow softcase 1-stage

1862

System Compass 23 Toggle 2-stage (alloy)
with 411 On ground spreader



4-14kg
8.8-30.9lbs



6.8kg
15.1lbs



543-1713mm
21.4-67.4"



821mm
32.32"



Components:

1037	Compass 23 fluid head
402G	Toggle 2-stage tripod (alloy)
411	On ground spreader
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1863

System Compass 23 Toggle 2-stage (alloy)
with 508 Above ground spreader + 550 feet



4-14kg
8.8-30.9lbs



6.7kg
14.9lbs



543-1713mm
21.4-67.4"



900mm
35.4"



Components:

1037	Compass 23 fluid head
402	Toggle 2-stage tripod (alloy)
508	Above ground spreader
679	Pan handle - fixed with clamp
554	Shoulder strap (padded)
550	Rubber feet (set of 3)
876	DS softcase 2-stage

1866

System Compass 23 Solo 100 3-stage (carbon fibre)



4-14kg
8.8-30.9lbs



6.0kg
13.3lbs



373-2023mm
14.7-79.6"



900mm
35.4"



Components:

1037	Compass 23 fluid head
1505	Solo 100 3-stage tripod (carbon fibre)
1520	Solo shoulder strap (Aircell)
679	Pan handle - fixed with clamp
876	DS softcase 2-stage

*System weights do not include the weight of the bag



Compass 23 System Comparison Chart

CAT	Components:	1861	1862	1863	1866
1037	Compass 23 fluid head	•	•	•	•
1204	Camera plate with 1/4" & 3/8" screws + 1/4" screw & pin				
1589	Sprinter II 1-stage tripod (alloy)	•			
402G	Toggle 2-stage tripod (alloy)		•		
402	Toggle 2-stage tripod (alloy)			•	
1505	Solo 100 3-stage tripod (carbon fibre)				•
993	Mid level spreader	•			
411	On ground spreader		•		
508	Above ground spreader			•	
679	Pan handle - fixed with clamp	•	•	•	•
554	Shoulder strap (padded)		•	•	
1520	Solo shoulder strap (Aircell)				•
475	Rubber feet (set of 3)	•			
550	Rubber feet (set of 3)			•	

Accessories

858	Offset camera plate with 2 x 3/8" screws
679	Additional pan handle - fixed with clamp
694	Pan handle - telescopic with clamp
378	Ø75-100 tripod bowl adaptor
1216	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1216
394	Solo dolly
390	MD pro dolly
391	LW pro dolly
860	Camera plate (Euro) with 1/4" & 3/8" screws
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly



1038 COMPASS 25 FLUID HEAD



COMPACT AND LIGHTWEIGHT FOR HEAVY PAYLOADS

The Compass 25 is designed for users who want a compact 100mm base fluid head for ENG and documentary productions with camera payloads up to 14kg (30.9lbs). The advanced precision fluid drag and counterbalance systems operated by slim in line radial ring controls resulting in quicker and easier set up.

With an extended 5+0 position fluid drag system employing smooth start and soft stop technology and 4 counterbalance settings plus 70mm camera plate balance travel, the Compass 25 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers. Featuring precision ball bearing supported pan and tilt movements, Compass 25 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 14kg (30.9lbs).

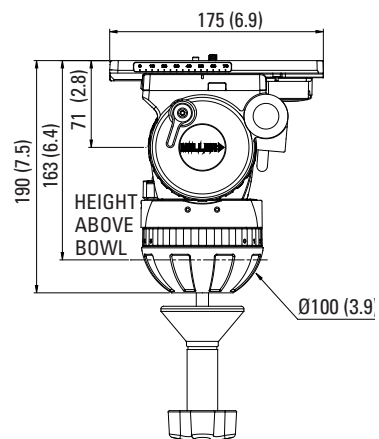
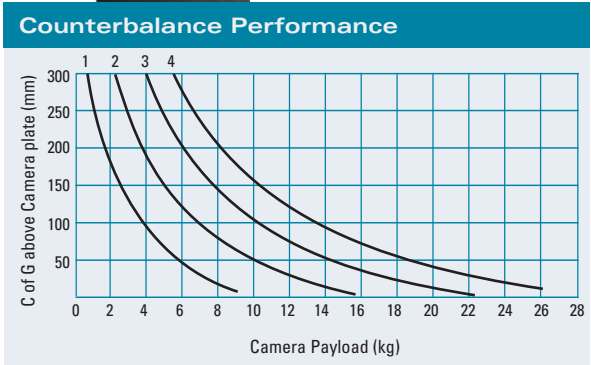
Compass 25, is the head of choice for ENG and documentary users and will deliver great performance time after time. It meets the demands of inspiring storytellers and comes with the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact, lightweight and versatile.
- 5 selectable of fluid pan and tilt drag positions +0.
- 4 selectable counterbalance positions.
- Perfect for payloads to 4-14kg (8.8-30.9lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transition.
- Controls slim in-line radial ring controls.
- Illuminated bubble level.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 70mm sliding camera platform with standard camera plate (euro).
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mount for viewfinders and accessories.
- Three-year warranty.



Specifications -1038	
Weight	2.9kg (6.3lbs)
Payload range	4-14kg (8.8-30.9lbs)
Pan-tilt drag	5 selectable fluid drag positions + 0
Counterbalance	4 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Sliding camera plate with 1/4" + pin with 1/4" and 3/8" screws
Sliding range	70mm (2.8")
Mounting base	Ø100mm 3.9" ball levelling
Height above bowl	153mm (6.0")
Illuminated controls	Bubble level
Pan handle	Telescopic 390 to 590mm (15.4 to 23.2")
Temperature range	-40° to +65°C (-40° to +149°F)



Systems Compass 25

1851

System Compass 25 Toggle 2-stage (alloy)
with 411 On ground spreader



4-14kg
8.8-30.9lbs



7.4kg
16.4lbs



553-1723mm
22-68"



853mm
33.8"



Components:

1038	Compass 25 fluid head
402G	Toggle 2-stage tripod (alloy)
411	On ground spreader
696	Pan handle - telescopic with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1852

System Compass 25 Toggle 2-stage (alloy)
with 508 Above ground spreader + 550 feet



4-14kg
8.8-30.9lbs



7.3kg
16.2lbs



553-1723mm
22-68"



853mm
33.8"



Components:

1038	Compass 25 fluid head
402	Toggle 2-stage tripod (alloy)
508	Above ground spreader
550	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
554	Shoulder strap (padded)
876	DS softcase 2-stage

1854

System Compass 25 Sprinter II 2-stage
(carbon fibre) with 993 Mid level spreader + 475 feet



4-14kg
8.8-30.9lbs



7.7kg
17.1lbs



603-1693mm
23.7-66.6"



863mm
33.9"



Components:

1038	Compass 25 fluid head
1576	Sprinter II 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
872	Arrow softcase 2-stage

1857

System Compass 25 Solo 100 3-stage
(carbon fibre)



4-14kg
8.8-30.9lbs



6.6kg
14.7lbs



383-2033mm
15.1-80"



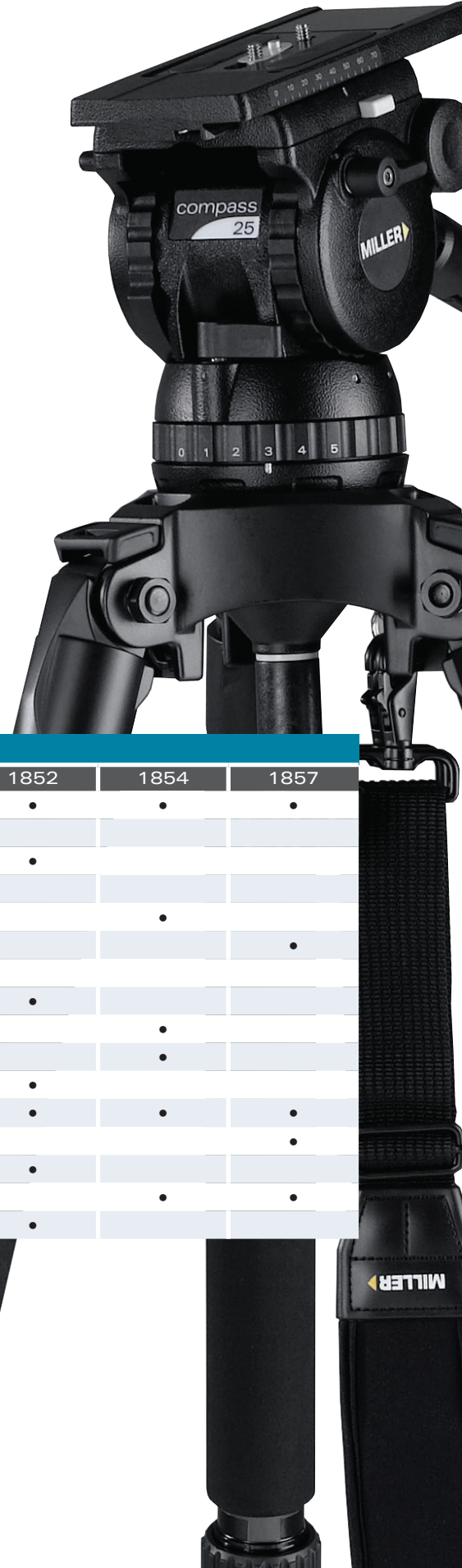
821mm
32.3"



Components:

1038	Compass 25 fluid head
1505	Solo 100 3-stage tripod (carbon fibre)
696	Pan handle - telescopic with clamp
1520	Solo shoulder strap (Aircell)
872	Arrow softcase 2-stage

*System weights do not include the weight of the bag



Compass 25 System Comparison Chart

CAT	Components:	1851	1852	1854	1857
1038	Compass 25 fluid head	•	•	•	•
860	Camera plate (Euro) with 1/4" & 3/8" screws				
402	Toggle 2-stage tripod (alloy)		•		
402G	Toggle 2-stage tripod (alloy)	•			
1576	Sprinter II 2-stage tripod (carbon fibre)			•	
1505	Solo 100 3-stage tripod (carbon fibre)				•
411	On ground spreader	•			
508	Above ground spreader		•		
993	Mid level spreader			•	
475	Rubber feet (set of 3)			•	
550	Rubber feet (set of 3)		•		
696	Pan handle - telescopic with clamp	•	•	•	•
1520	Solo shoulder strap (Aircell)				•
554	Shoulder strap (padded)	•	•		
872	Arrow softcase 2-stage			•	•
876	DS softcase 2-stage	•	•		

Accessories:

858	Offset camera plate with 2 x 3/8" screws
694	Additional pan handle - telescopic with clamp
1216	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1216
378	Ø75-100 tripod bowl adaptor
1206	Mini Euro sliding plate assembly
1210	Euro sliding plate assembly
1208	Camera plate (mini Euro) with 1/4" & 3/8" screws
860	Camera plate (Euro) with 1/4" & 3/8" screws

1072 ARROW^x 3 FLUID HEAD



THE LIGHTWEIGHT 100mm CHOICE FOR ENG

Following in the tradition and reputation of the world-renowned Arrow series, the all-new Arrow^x 3 sets new dimensions in professional camera support augmenting the power of expression of creative professionals.

Featuring a wide payload range, precision fluid drag and Miller's innovative 16 position CB Plus™ counterbalance system, Arrow^x 3 delivers the flexibility, speed of set up and accuracy of shot, professionals expect and demand from Miller's 62 years of experience.

1-19kg (2.2-41.8lbs) payload range and 5 + 0 selectable pan-tilt fluid drag positions make Arrow^x 3 ideal for news gathering and documentaries, enabling it to be used with a wide range of cameras, lenses and accessories.

CB Plus™ is an innovative sequential counterbalance design, taking traditional counterbalancing a step forward ahead of the rest, resulting in repeatable, accurate and rapid setup. CB Plus™ features eight larger counterbalance steps, allowing the user to get to their required counterbalance position quickly and efficiently. The CB Plus "one flick" switch conveniently located at the front of the head, adds a half step between each of the eight larger steps enabling counterbalance fine-tuning when required.

The new Arrow^x 3 comes with the reliability and "THE RIGHT FEEL" that are the hallmarks of every Miller product.

Features

- Compact, lightweight and versatile.
- 5 selectable of fluid pan and tilt drag positions +0.
- 16 position CB Plus™ counterbalance system.
- Wide payload range 1-19 kg (2.2-41.8lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transitions.
- Controls "all in one location" design for fast, easy and practical use.
- Illuminated bubble level and pan-tilt drag controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 120mm sliding camera platform with standard camera plate (euro).
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Mitchell base adaptable.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mounting points for view finders and accessories.
- Three-year warranty.



Camera plate (Euro) with 1/4" and 3/8" screws

Spare screw storage

Positive pan-tilt locks calliper brake system

Replaceable tilt end rosettes

5 plus zero positions of fluid tilt drag

Sliding camera platform lock

Quick release, 120mm sliding camera platform

16 selectable positions of counterbalance for payloads between 1-19kg

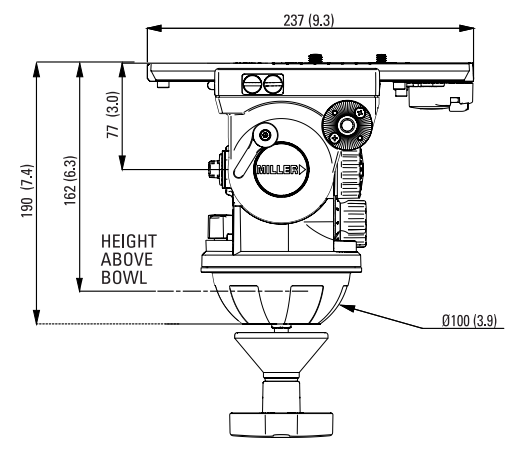
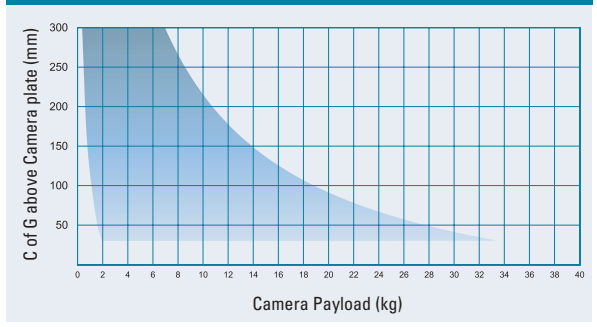
5 plus zero positions of fluid pan drag

Illuminated bubble level and pan-tilt drag controls

Specifications -1072

Weight	3.1kg (6.8lbs)
Payload range	1-19kg (2.2-41.8lbs)
Pan-tilt drag	5 selectable fluid drag positions + 0
Counterbalance	16 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Quick release camera plate with 1/4" and 3/8" screws
Sliding range	120mm (4.7")
Mounting base	Ø100mm (3.9") ball levelling with 3 x M5 holes for flat base mounting
Height above bowl	162mm (6.4")
Illuminated controls	Bubble level, pan-tilt drag controls
Pan handle	Telescopic 390 to 590mm (15.4 to 23.2")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Arrow^x 3

3034

System Arrow^x 3 Sprinter II 1-stage (alloy)
with 470 On ground spreader



1-19kg
2.2-41.8lbs



7.5kg
16.7lbs



797-1587mm
31.4-62.5"



1002mm
39.4"



Components:

1072	Arrow ^x 3 fluid head
1589G	Sprinter II 1-stage tripod (alloy)
470	On ground spreader
696	Pan handle - telescopic with clamp
870	Arrow softcase 1-stage

3035

System Arrow^x 3 Sprinter II 1-stage (alloy)
with 993 Mid level spreader + 475 feet



1-19kg
2.2-41.8lbs



7.9kg
17.6lbs



832-1592mm
32.8-62.8"



1002mm
39.4"



Components:

1072	Arrow ^x 3 fluid head
1589	Sprinter II 1-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
870	Arrow softcase 1-stage

3038

System Arrow^x 3 Sprinter II 2-stage (alloy)
with 470 On ground spreader



1-19kg
2.2-41.8lbs



8.1kg
18.0lbs



602-1692mm
23.7-66.6"



862mm
33.9"



Components:

1072	Arrow ^x 3 fluid head
1580G	Sprinter II 2-stage tripod (alloy)
470	On ground spreader
696	Pan handle - telescopic with clamp
872	Arrow softcase 2-stage

3039

System Arrow^x 3 Sprinter II 2-stage (alloy)
with 993 Mid level spreader + 475 feet



1-19kg
2.2-41.8lbs



8.5kg
18.9lbs



602-1692mm
23.7-66.6"



862mm
33.9"



Components:

1072	Arrow ^x 3 fluid head
1580	Sprinter II 2-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
872	Arrow softcase 2-stage

*System weights do not include the weight of the bag

3043
System Arrow^x 3 Sprinter II 2-stage (carbon fibre)
 with 993 Mid level spreader + 475 feet



1-19kg
 2.2-41.8lbs



7.9kg
 17.6lbs



602-1692mm
 23.7-66.6"



862mm
 33.9"



Components:

1072	Arrow ^x 3 fluid head
1576	Sprinter II 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
872	Arrow softcase 2-stage

3068
System Arrow^x 3 Solo 100-3 (carbon fibre)



1-19kg
 2.2-41.8lbs



6.8kg
 15.1lbs



382-2032mm
 15-80"



820mm
 32.3"



Components:

1072	Arrow ^x 3 fluid head
1505	Solo 100 3-stage tripod (carbon fibre)
696	Pan handle - telescopic with clamp
1520	Solo shoulder strap (Aircell)
872	Arrow softcase 2-stage

Arrow^x 3 System Comparison Chart

CAT	Components:	3034	3035	3038	3039	3043	3068
1072	Arrow ^x 3 fluid head	•	•	•	•	•	•
860	Camera plate (Euro) with 1/4" & 3/8" screws	•	•	•	•	•	•
696	Pan handle - telescopic with clamp	•	•	•	•	•	•
1589	Sprinter II 1-stage tripod (alloy)		•				
1589G	Sprinter II 1-stage tripod (alloy)	•					
1580	Sprinter II 2-stage tripod (alloy)				•		
1580G	Sprinter II 2-stage tripod (alloy)			•			
1576	Sprinter II 2-stage tripod (carbon fibre)					•	
1505	Solo 100 3-stage tripod (carbon fibre)						•
470	On ground spreader	•		•			
993	Mid level spreader		•		•	•	
475	Rubber feet (set of 3)		•		•	•	
1520	Solo shoulder strap (Aircell)						•
870	Arrow softcase 1-stage	•	•				
872	Arrow softcase 2-stage			•	•	•	•

Accessories:

858	Offset camera plate with 2 x 3/8" screws
860	Camera plate (Euro) with 1/4" & 3/8" screws
696	Pan handle - telescopic with clamp
1219	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1219
1225	Mitchell base adaptor with clamp

1074 ARROW^x 5 FLUID HEAD



THE ENG/EFP MASTER

Following in the tradition and reputation of the world-renowned Arrow series, the all-new Arrow^x 5 sets new dimensions in professional camera support augmenting the power of expression of creative professionals.

Featuring a wide payload range, precision fluid drag and Miller's innovative 16 position CB Plus™ counterbalance system, Arrow^x 5 delivers the flexibility, speed of set up and accuracy of shot, professionals expect and demand from Miller's 62 years of experience.

2-21kg (4.4-46.2lbs) payload range and 7 + 0 selectable pan-tilt fluid drag positions make Arrow^x 5 ideal for ENG and EFP, enabling it to be used with a wide range of cameras, lenses and accessories and offering.

CB Plus™ is an innovative sequential counterbalance design, taking traditional counter balancing a step forward ahead of the rest, resulting in repeatable, accurate and rapid setup. CB Plus™ features eight larger counterbalance steps, allowing the user to get to their required counterbalance position quickly and efficiently. The CB Plus "one flick" switch conveniently located at the front of the head, adds a half step between each of the eight larger steps enabling counterbalance fine-tuning when required.

The new Arrow^x 5 comes with the reliability and "THE RIGHT FEEL" that are the hallmarks of every Miller product.

Features

- Compact, lightweight and versatile.
- 7 selectable of fluid pan and tilt drag positions +0.
- 16 position CB Plus™ counterbalance system.
- Wide payload range 2-21kg (4.4-46.2lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transitions.
- Controls "all in one location" design for fast, easy and practical use.
- Illuminated bubble level and pan-tilt drag controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 120mm sliding camera platform with camera plate (euro).
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Mitchell base adaptable.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mounting points for viewfinders and accessories.
- Three-year warranty.



Camera plate (Euro) with 1/4" and 3/8" screws

Sliding camera platform lock

Spare screw storage

Quick release, 120mm sliding camera platform

Positive pan-tilt locks calliper brake system

Replaceable tilt end rosettes

16 selectable positions of counterbalance for payloads between 2-21kg

7 plus zero positions of fluid tilt drag

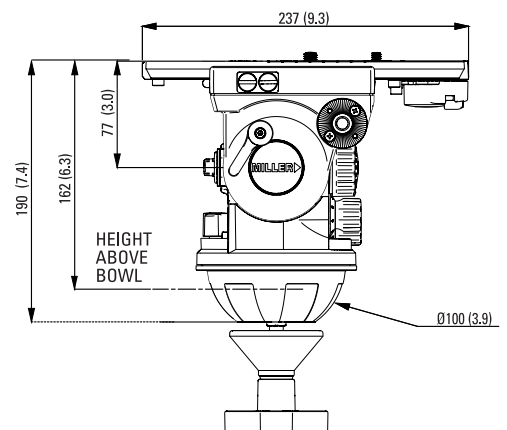
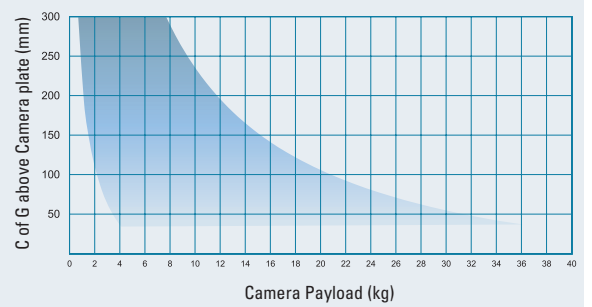
7 plus zero positions of fluid pan drag

Illuminated bubble level and pan-tilt drag controls

Specifications -1074

Weight	3.4kg (7.4lbs)
Payload range	2-21kg (4.4-46.2lbs)
Pan-tilt drag	7 selectable fluid drag positions + 0
Counterbalance	16 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Quick release camera plate with 1/4" and 3/8" screws
Sliding range	120mm (4.7")
Mounting base	Ø100mm (3.9") ball levelling with 3 x M5 holes for flat base mounting
Height above bowl	162mm (6.4")
Illuminated controls	Bubble level, pan-tilt drag controls
Pan handle	Telescopic 390 to 590mm (15.4 to 23.2")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Arrow^x 5

3092

System Arrow^x 5 Sprinter II 1-stage (alloy)
with 470 On ground spreader



2-21kg
4.4-46.2lbs



7.8kg
17.3lbs



797-1587mm
31.4-62.5"



1002mm
39.4"



Components:

1074	Arrow ^x 5 fluid head
1589G	Sprinter II 1-stage tripod (alloy)
470	On ground spreader
696	Pan handle - telescopic with clamp
870	Arrow softcase1-stage

3093

System Arrow^x 5 Sprinter II 1-stage (alloy)
with 993 Mid level spreader + 475 feet



2-21kg
4.4-46.2lbs



8.2kg
18.2lbs



832-1592mm
32.8-62.8"



1002mm
39.4"



Components:

1074	Arrow ^x 5 fluid head
1589	Sprinter II 1-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
870	Arrow softcase 1-stage

3097

System Arrow^x 5 Sprinter II 2-stage (alloy)
with 993 Mid level spreader + 475 feet



2-21kg
4.4-46.2lbs



8.8kg
19.6lbs



602-1692mm
23.7-66.6"



862mm
33.9"



Components:

1074	Arrow ^x 5 fluid head
1580	Sprinter II 2-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
872	Arrow softcase 2-stage

3101

System Arrow^x 5 Sprinter II 2-stage (carbon fibre)
with 993 Mid level spreader + 475 feet



2-21kg
4.4-46.2lbs



8.2kg
18.2lbs



602-1692mm
23.7-66.6"



862mm
33.9"



Components:

1074	Arrow ^x 5 fluid head
1576	Sprinter II 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
975	Arrow shell case with wheels

*System weights do not include the weight of the bag

3128
System Arrow^x 5 Solo 100 3-stage (carbon fibre)



2-21kg
 4.4-46.2lbs



7.1kg
 15.8lbs



382-2032mm
 15-80"



820mm
 32.3"



Components:

1074	Arrow ^x 5 fluid head
1505	Solo 100 3-stage tripod (carbon fibre)
696	Pan handle - telescopic with clamp
1520	Solo shoulder strap (Aircell)
872	Arrow softcase 2-stage

Arrow^x 5 System Comparison Chart

CAT	Components:	3092	3093	3097	3101	3128
1074	Arrow ^x 5 fluid head	•	•	•	•	•
860	Camera plate (Euro) with 1/4" & 3/8" screws	•	•	•	•	•
696	Pan handle - telescopic with clamp	•	•	•	•	•
1589	Sprinter II 1-stage tripod (alloy)		•			
1589G	Sprinter II 1-stage tripod (alloy)	•				
1580	Sprinter II 2-stage tripod (alloy)			•		
1576	Sprinter II 2-stage tripod (carbon fibre)				•	
1505	Solo 100 3-stage tripod (carbon fibre)					•
470	On ground spreader	•				
993	Mid level spreader		•	•	•	
475	Rubber feet (set of 3)		•	•	•	
1520	Solo shoulder strap (Aircell)					•
870	Arrow softcase 1-stage	•	•			
872	Arrow softcase 2-stage			•		•
975	Arrow shell case with wheels				•	

Accessories:

858	Offset camera plate with 2 x 3/8" screws
860	Camera plate (Euro) with 1/4" & 3/8" screws
696	Pan handle - telescopic with clamp
1219	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1219
1225	Mitchell base adaptor with clamp

1076 ARROW^x 7 FLUID HEAD



THE HEAVY DUTY PERFORMER

Following in the tradition and reputation of the world-renowned Arrow series, the all-new Arrow^x 7 sets new dimensions in professional camera support augmenting the power of expression of creative professionals.

Featuring a wide payload range, precision fluid drag and Miller's innovative 16 position CB Plus™ counterbalance system, Arrow^x 7 delivers the flexibility, speed of set up and accuracy of shot, professionals expect and demand from Miller's 62 years of experience.

6-25kg (13.2-55.1lbs) payload range and 7 + 0 selectable pan-tilt fluid drag positions make Arrow^x 7 ideal for EFP, Studio and Field OB enabling it to be used with a wide range of cameras, lenses and accessories and offering.

CB Plus™ is an innovative sequential counterbalance design, taking traditional counterbalancing a step forward ahead of the rest, resulting in repeatable, accurate and rapid setup. CB Plus™ features eight larger counterbalance steps, allowing the user to get to their required counterbalance position quickly and efficiently. The CB Plus "one flick" switch conveniently located at the front of the head, adds a half step between each of the eight larger steps enabling counterbalance fine-tuning when required.

The new Arrow^x 7 comes with the reliability and "THE RIGHT FEEL" that are the hallmarks of every Miller product.

Features

- Compact, lightweight and versatile.
- 7 selectable of fluid pan and tilt drag positions +0.
- 16 position CB Plus™ counterbalance system.
- Wide payload range 6-25kg (13.2-55.1lbs).
- Fluid drag system with smooth start and soft stop technology & balanced diagonal transitions.
- Controls "all in one location" design for fast easy and practical use.
- Illuminated bubble level and pan-tilt drag controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- Quick release, 120mm sliding camera platform with camera plate (euro).
- Removable ball level stud for flat base mounting (Sliders) with 3/8" screw hole.
- Mitchell base adaptable.
- Robust construction for rugged outdoor shooting conditions.
- Optional second pan handle mount.
- Side mounting points for viewfinders and accessories.
- Three-year warranty.



Camera plate (Euro) with 1/4" and 3/8" screws

Sliding camera platform lock

Spare screw storage

Quick release, 120mm sliding camera platform

Positive pan-tilt locks calliper brake system

Replaceable tilt end rosettes

16 selectable positions of counterbalance for payloads between 2-21kg

7 plus zero positions of fluid tilt drag

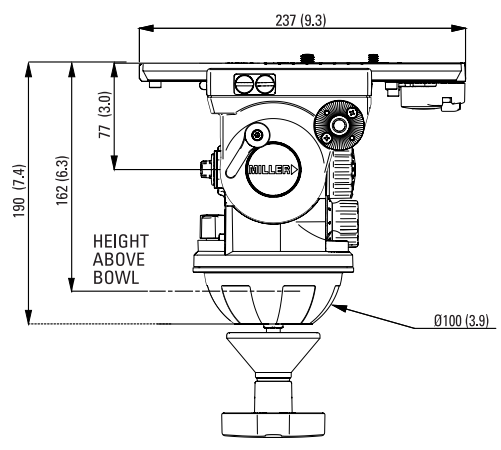
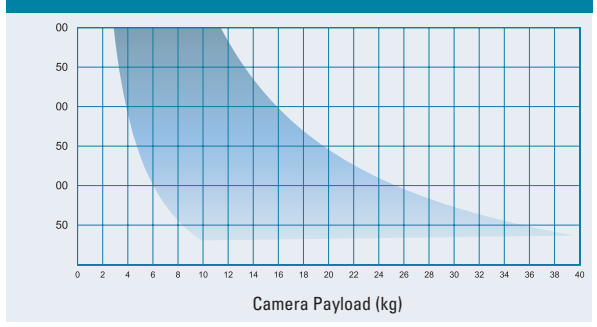
7 plus zero positions of fluid pan drag

Illuminated bubble level and pan-tilt drag controls

Specifications -1076

Weight	3.4kg (7.4lbs)
Payload range	6-25kg (13.2-55.1lbs)
Pan-tilt drag	7 selectable fluid drag positions + 0
Counterbalance	16 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Quick release camera plate with 1/4" and 3/8" screws
Sliding range	120mm (4.7")
Mounting base	Ø100mm (3.9") ball levelling with 3 x M5 holes for flat base mounting
Height above bowl	162mm (6.4")
Illuminated controls	Bubble level, pan-tilt drag controls
Pan handle	Telescopic 390 to 590mm (15.4 to 23.2")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Arrow^x 7

3155

System Arrow^x 7 Sprinter II 1-stage (alloy)
with 470 On ground spreader



6-25kg
13.2-55.1lbs



7.8kg
17.3lbs



797-1587mm
31.4-62.5"



1002mm
39.4"



Components:

1076	Arrow ^x 7 fluid head
1589G	Sprinter II 1-stage tripod (alloy)
470	On ground spreader
696	Pan handle - telescopic with clamp
870	Arrow softcase 1-stage

3156

System Arrow^x 7 Sprinter II 1-stage (alloy)
with 993 Mid level spreader + 475 feet



6-25kg
13.2-55.1lbs



8.2kg
18.2lbs



832-1592mm
32.8-62.8"



1002mm
39.4"



Components:

1076	Arrow ^x 7 fluid head
1589	Sprinter II 1-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
870	Arrow softcase 1-stage

3164

System Arrow^x 7 Sprinter II 2-stage (carbon fibre)
with 993 Mid level spreader + 475 feet



6-25kg
13.2-55.1lbs



8.2kg
18.2lbs



602-1692mm
23.7-66.6"



862mm
33.9"



Components:

1076	Arrow ^x 7 fluid head
1576	Sprinter II 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
975	Arrow shell case with wheels

3175

System Arrow^x 7 HD 1-stage (alloy)
with 993 Mid level spreader + 475 feet



6-25kg
13.2-55.1lbs



10.4kg
23.1lbs



947-1737mm
37.3-68.4"



1092mm
43"



Components:

1076	Arrow ^x 7 fluid head
931	HD 1-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp

*System weights do not include the weight of the bag

3179
System Arrow^x 7 HD 2-stage (carbon fibre)
 with 993 Mid level spreader + 475 feet



6-25kg
 13.2-55.1lbs



9.6kg
 21.1lbs



642-1752mm
 25.3-69.0"



912mm
 35.9"



Components:

1076	Arrow ^x 7 fluid head
925	HD 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
696	Pan handle - telescopic with clamp
975	Arrow shell case with wheels

Arrow^x 7 System Comparison Chart

CAT	Components:	3155	3156	3164	3175	3179
1076	Arrow ^x 7 fluid head	•	•	•	•	•
860	Camera plate (Euro) with 1/4" & 3/8" screws	•	•	•	•	•
696	Pan handle - telescopic with clamp	•	•	•	•	•
1589	Sprinter II 1-stage tripod (alloy)		•			
1589G	Sprinter II 1-stage tripod (alloy)	•				
1576	Sprinter II 2-stage tripod (carbon fibre)			•		
931	HD 1-stage tripod (alloy)				•	
925	HD 2-stage tripod (carbon fibre)					•
470	On ground spreader	•				
993	Mid level spreader		•	•	•	•
475	Rubber feet (set of 3)		•	•	•	•
870	Arrow softcase 1-stage	•	•			
975	Arrow shell case with wheels			•		•

Accessories:

858	Offset camera plate with 2 x 3/8" screws
860	Camera plate (Euro) with 1/4" & 3/8" screws
696	Additional pan handle - telescopic with clamp
1219	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1219
1225	Mitchell base adaptor with clamp

150mm series

Fluid head range

The Miller 150mm fluid head range, including Skyline and Cineline, has been designed to meet the demanding needs of studios, outside broadcasts and Cinematographers who consider speed, reliability and consistency to be paramount.

A feature-rich, cost-effective solution built to improve workflow and boost production value, the 150mm fluid head range allows operators to capture high-quality shots with its smooth pans and tilts and perfect balance.

At a glance

- Fluid drag system with smooth start and soft stop technology and balanced diagonal transitions.
- 7 selectable of fluid pan-tilt drag positions +0.
- 8 selectable counterbalance positions.
- Suitable for payloads to 4.5-37.5kg (9.9-82.5lbs).
- Controls "all in one location" design for fast easy and practical use.
- Unique all illuminated bubble level, pan-tilt drag and counterbalance controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- High precision ball bearing supported pan-tilt movement.
- Quick release 120mm sliding camera platform camera plate (large euro).
- Front box adaptor for camera assistant's accessory box.
- Robust construction for rugged outdoor shooting conditions.
- Dual telescopic pan handles.
- Dual side mounts for viewfinders and accessories.
- Three-year warranty.



Ketch Rossi
Director | Cinematographer

"The Miller Cinline 70 brings my experience of fluid heads to another level, one where I'm certain I will not be stepping down from."

"This new system, simply put, is a sublime marriage of technological advancement and ergonomics designed to let the Cinematographer worry about the shot, and be allowed to follow the subject with ease using any given camera setup."

1050 SKYLINE 70 FLUID HEAD



THE BIG PICTURE

Designed for outside broadcast and studio productions, the Skyline 70 brings a new dimension to professional camera support. Incorporating advanced precision fluid drag and counterbalance systems operated through rear mounted "all in one location" with unique illumination of all controls and bubble level, the Skyline 70 makes it even faster and easier than ever before to set up and capture the action.

With an extended 7+0 position fluid drag system employing smooth start and soft stop technology, well balanced diagonal drag transition, 8 counterbalance settings plus 120mm camera plate balance travel, the Skyline 70 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Skyline 70 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 37.5kg (82.5lbs).

Skyline 70 the broadcasters choice and comes with the reliability and "THE RIGHT FEEL" that are the hallmarks of every Miller product.

Features

- 7 selectable of fluid pan-tilt drag positions +0.
- 8 selectable counterbalance positions.
- Perfect for payloads to 4.5-37.5kg (9.9-82.5lbs).
- Fluid drag system with smooth start and soft stop technology and balanced diagonal transition.
- Controls "all in one location" design for fast easy and practical use.
- Unique all illuminated bubble level, pan-tilt drag and counterbalance controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- High precision ball bearing supported pan-tilt movement.
- Quick release 120mm sliding camera platform camera plate (large euro).
- Front mount adaptor for camera assistant's accessory box.
- Robust construction for rugged outdoor shooting conditions.
- Dual telescopic pan handles.
- Dual side mounts for viewfinders and accessories.
- Three-year warranty.

Camera plate (Large Euro) with 2 x 3/8" camera screws

Positive pan-tilt locks calliper brake system

Front box adaptor

Accessory mounting adaptor

7 plus zero positions of fluid tilt drag

Sliding camera platform lock

Quick release, 120mm sliding camera platform

8 selectable positions of counterbalance for payloads between 4.5-37.5kg

7 plus zero positions of fluid pan drag

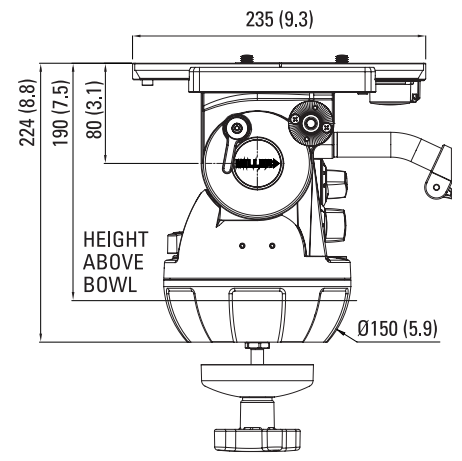
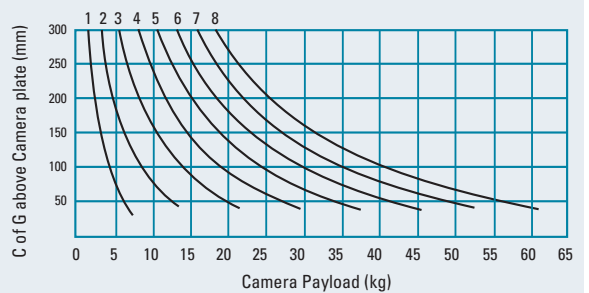
Unique all illuminated bubble level, pan-tilt drag and counterbalance controls



Specifications -1050

Weight	6.1kg (13.4lbs)
Payload range	4.5-37.5kg (9.9-82.5lbs)
Pan-tilt drag	7 selectable fluid drag positions + 0
Counterbalance	8 selectable positions
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Quick release camera plate with 2 x 3/8" screws
Sliding range	120mm (4.7")
Mounting base	Ø150mm (5.9") ball levelling with 3 x M5 holes for flat base mounting
Height above bowl	190mm (7.5")
Illuminated controls	Bubble Level, pan-tilt drag & counterbalance controls
Safety lock	Quick release tilt lock pin
Pan handle	Telescopic x 2, 390 to 590mm (15.4 to 23.2")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Skyline 70

2060

System Skyline HD 70 2-stage (carbon fibre)
with 993 Mid level spreader + 475 feet



4.5-37.5kg
9.9-82.5lbs



12.9kg
28.7lbs



710-1805mm
28-71.1"



940mm
37"



Components:

1050	Skyline 70 fluid head
937	HD 150 2-stage tripod (carbon fibre)
993	Mid level spreader
475	Rubber feet (set of 3)
698	Pan handle HD - telescopic with clamp

2070

System Skyline 70 HD 1-stage (alloy)
with 993 Mid level spreader + 475 feet



4.5-37.5kg
9.9-82.5lbs



13.1kg
29.1lbs



990-1780mm
39-70.1"



1130mm
44.5"



Components:

1050	Skyline 70 fluid head
943	HD 150 1-stage tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
698	Pan handle HD - telescopic with clamp

2075

System Skyline 70 HD 1-stage (alloy)
with 993 Mid level spreader + Dolly + 475 feet



4.5-37.5kg
9.9-82.5lbs



19.9kg
44.2lbs



1044-1635mm
41.1-64.4"



980mm
38.6"



Components:

1050	Skyline 70 fluid head
944	HD 150 1-stage studio tripod (alloy)
993	Mid level spreader
475	Rubber feet (set of 3)
698	Pan handle HD - telescopic with clamp
483	Studio tracker dolly

*System weights do not include the weight of the bag



Skyline 70 System Comparison Chart

CAT	Components:	2060	2070	2075
1050	Skyline 70 fluid head	•	•	•
1060	Camera plate large (Euro) with 2 x 3/8" screws			
937	HD 150 2-stage tripod (carbon fibre)	•		
943	HD 150 1-stage tripod (alloy)		•	
944	HD 150 1-stage Studio Tripod (alloy)			•
993	Mid level spreader	•	•	•
475	Rubber feet (set of 3)	•	•	•
698	Pan handle HD - telescopic with clamp	•	•	•
483	Studio Tracker Dolly			•

Accessories:

694	Pan handle - telescopic with clamp
1221	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8" holes to suit 1221
318	Miller multi hard case
1060	Camera plate large (Euro) with 2 x 3/8" screws



1055 CINELINE 70 FLUID HEAD



FOR THE PASSIONATE CREATIVES

Designed for cinematic productions, the Cinline 70 brings a new dimension to professional camera support. Incorporating advanced precision fluid drag and counterbalance systems operated through rear mounted "all in one location" with unique illumination of all controls and bubble level, the Cinline 70 makes it even faster and easier than ever before to set up and capture the action.

With an extended 7+0 position fluid drag system employing smooth start and soft stop technology, well balanced diagonal drag transition, 8 counterbalance settings plus 150mm camera plate balance travel, the Cinline 70 offers a fast reliable set up you can trust and is versatile enough to use over a wide array of camera configurations. It is built to deliver consistent performance and drag resistance with no variation over a wide range of temperatures and environments.

Constructed of lightweight high-strength die-cast alloy and rigid composite polymers and featuring precision ball bearing supported pan and tilt movements, Cinline 70 is extremely durable and robust delivering silky smooth pan-tilt fluid actions to match camera payloads up to 37.5kg (82.5lbs).

Cinline 70 meets the demands of professional storytellers and comes with the reliability and "THE RIGHT FEEL" that are the hallmarks of every Miller product.

Features

- 7 selectable of fluid pan-tilt drag positions +0.
- 8 selectable counterbalance positions
- Perfect for payloads to 4.5-37.5kg (9.9-82.5lbs).
- Fluid drag system with smooth start and soft stop technology and balanced diagonal transition.
- Controls "all in one location" design for fast easy and practical use.
- Unique all illuminated bubble level, pan-tilt drag and counterbalance controls.
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance.
- High precision ball bearing supported pan-tilt movement.
- Side loading camera platform, 150mm travel with Arri type camera plate.
- Front mount adaptor for camera assistant's accessory box.
- Mitchell base adaptable.
- Robust construction for rugged outdoor shooting conditions.
- Dual telescopic pan handles.
- Dual side mounts for viewfinders and accessories.
- Three-year warranty.

Camera plate (Arri) with 150mm balance travel, 2 x 3/8" camera screws

Heavy duty alloy levers

Pan-tilt locks floating calliper type disc brakes

Front box adaptor

Accessory mounting adaptor

7 plus zero positions of fluid tilt drag

Heavy duty rigid pan handles

Side loading quick release lever

8 selectable positions of counterbalance for payloads between 4.5-37.5kg

7 plus zero positions of fluid pan drag

Unique all illuminated bubble level, pan-tilt drag and counterbalance controls

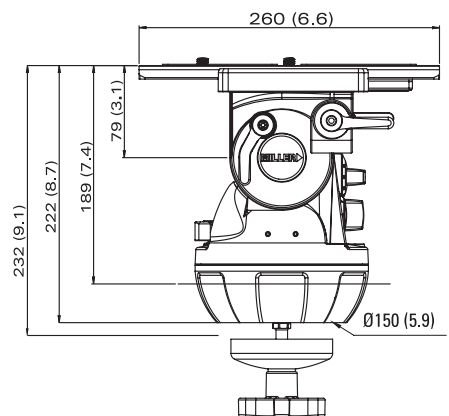
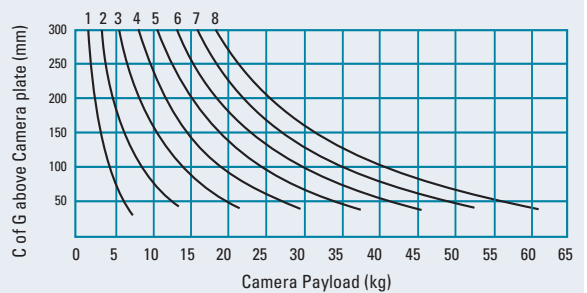
Mitchell base adaptor with clamp



Specifications -1055

Weight	5.8kg (12.7lbs)
Payload range	4.5-37.5kg (9.9-82.5lbs)
Pan-tilt drag	7 selectable fluid drag positions + 0
Counterbalance	8 selectable positions 4.5 - 37.5kg (9.9 - 82.5lbs) range
Pan-tilt locks	Positive lock calliper brake system
Tilt range	+90°/-75°
Pan range	360°
Camera platform	Side loading quick release with 150mm (5.9") of balance travel 2 x 3/8" screws
Sliding range	150mm (5.9")
Mounting base	Ø150mm (5.9") ball levelling with 3 x M5 holes for flat base mounting
Height above bowl	189mm (7.4")
Illuminated controls	Bubble Level, pan-tilt drag & counterbalance controls
Safety lock	Quick release tilt lock pin
Pan handle	2 x 698 HD Telescopic Ø 20 x 430 - 630mm (Ø 0.75" x 16.9 - 24.8")
Temperature range	-40° to +65°C (-40° to +149°F)

Counterbalance Performance



Systems Cinline 70

2090

System Cinline 70 HD MB 1-stage (alloy)
with 2130 HD ground spreader



4.5-37.5kg
9.9-82.5lbs



15.8kg
35.1lbs



737-1549mm
29.0 - 61.0"



946mm
37.2"



Accessories:

1065	Camera plate (Arri) with 2 x 3/8" screws
1221	Accessory mounting bracket
1217	Accessory adaptor 1/4", 3/8"
1223	Front box adaptor
698	Pan handle HD - telescopic with clamp
483	Studio tracker dolly
1230	Pan handle - articulated with extender
1234	Pan handle - short grip
318	Miller multi hard case
396	Skycine 70 head case (alloy)

Components:

1055	Cinline 70 fluid head
2110G	HD MB 1-stage tripod (alloy)
1225	Mitchell base adaptor with clamp
2130	HD ground spreader
698	Pan handle HD - telescopic with clamp (x2)

1234 Pan handle -short grip

1065 Camera plate (Arri) with 2 x 3/8" screws

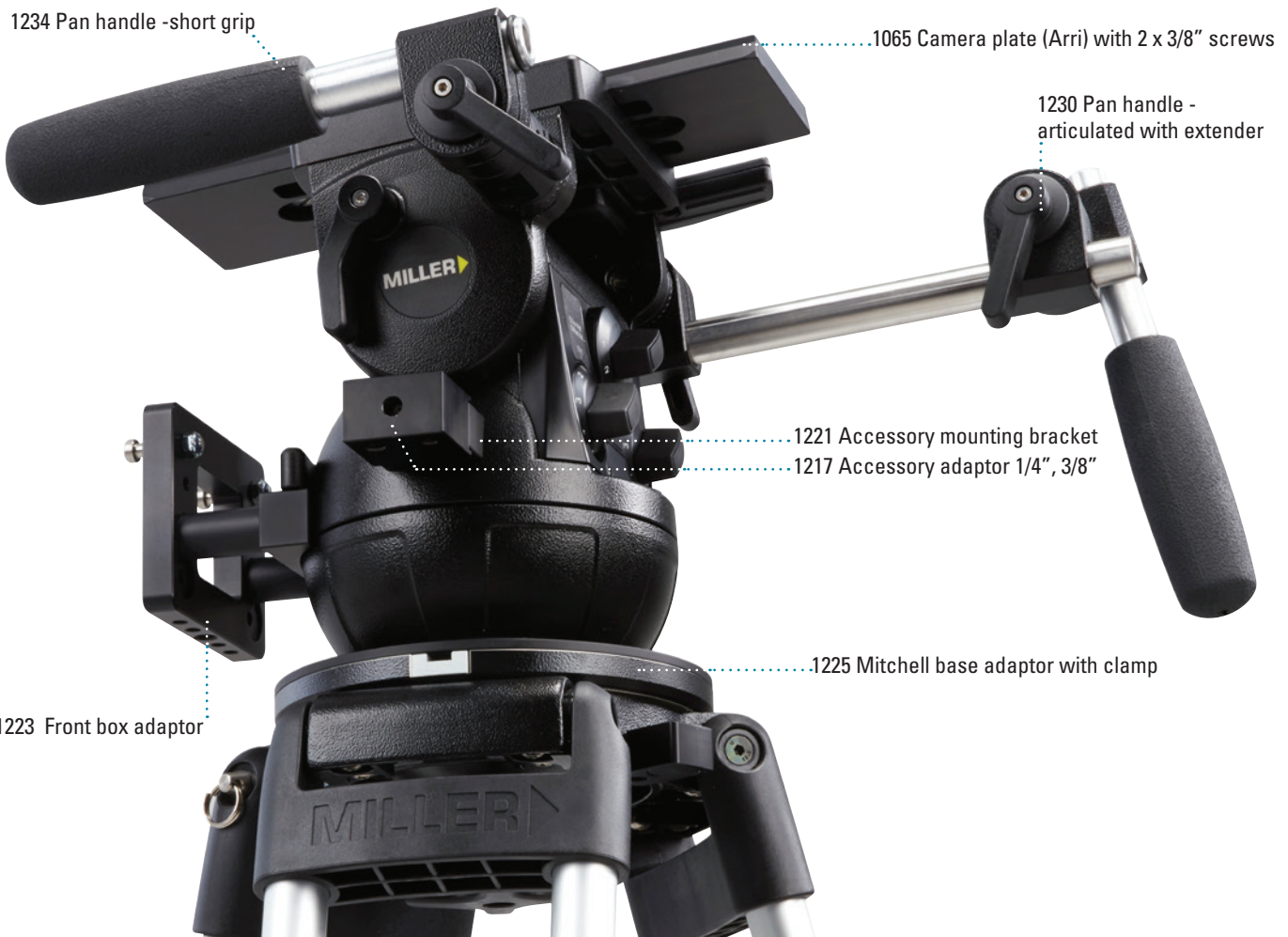
1230 Pan handle - articulated with extender

1221 Accessory mounting bracket

1217 Accessory adaptor 1/4", 3/8"

1225 Mitchell base adaptor with clamp

1223 Front box adaptor





Tripods

Tripods: a vital stable base for overall performance

Just as the fluid head is a vital part of a camera's overall performance so too is the tripod. Without a rigid tripod providing a stable base, the performance of the other components can be compromised. Miller tripods are constructed to exacting tolerances from high quality lightweight carbon fibre or precision alloy tubing. These combined elements provide rigidity and stability across the complete range of Miller tripods, even on the heaviest pans in the most difficult conditions.

Choosing a Tripod

The fluid head you have chosen will influence your tripod options. A wide choice of tripod models are available in 75mm, 100mm, 150mm bowl sizes plus Mitchell flat base to match the head you have chosen.

Tripods are also available in single, two and three-stage configurations with the option of high performance carbon fibre or alloy tubing, as well as a choice of compatible locking systems. Single stage systems are generally lighter and quicker to deploy whereas two and three stage systems provide more versatility for height adjustment.

Miller offers four families of tripods, Solo, Toggle, Sprinter II and HD, each has its own characteristics, which make it more suitable to particular applications.

Tripod spreaders

A tripod spreader assists the setup of your tripod by keeping the legs at an equal or pre-set distance apart and also assists stability.

Miller offers three spreader styles, along with the option of no spreader on the Solo tripod range.

Spreader options

- Ground Spreader are used where most shooting is performed on a level surface.
- Above ground spreader are used where shooting is often performed on uneven surfaces.
- Mid-level spreader are suitable for shooting on all surfaces. A mid-level spreader includes an adjustable centre hub for height trimming.

To determine which tripod matches your requirements best, take into account the size, weight, speed of operation, versatility and ground terrain and then select from the Miller range.



SOLO 75 TRIPODS

LEAN, LIGHT AND LOW

The Solo 75 tripod range takes versatility and portability to a new plateau. Utilising an innovative leg angle lock mechanism the Solo 75 tripod eliminates the need for a spreader whilst still offering rock solid support. No other tripod matches the performance of the Solo tripod.

An integrated 75mm bowl

A die cast alloy bowl offers quick levelling, optimum torsional rigidity and long term durability. Industry standard 75mm bowl suits all 75mm Miller fluid heads.



AIR Cell Super Comfort carry strap and weatherproof carry case

Miller's detachable AIR cell patented shoulder strap offers easy and comfortable carriage, while the impact proof softcase satisfies all transport needs.



Concentric self-adjusting rapid leg locks

New rapid leg locks that lock in half the time. Super reliable self adjusting robust design.

No protruding lock components. Channel lock tubing so you can tighten lock with one hand.



3 positional leg angle locks

The 3-position leg angle locks take Solo down to a ground-hugging 220mm (9.2") with absolute stability. The leg angle locks eliminate the need for a spreader increasing operational reliability – perfect for the extremes of location production.



Neoprene leg protection

Complete protection for tripod tubing when packed down. Excellent grip while carrying or setting up the tripod in extreme weather climates.



High strength carbon fibre/ basalt tubing

The Solo 75 carbon fibre/basalt tubing with unique Solo 'weave' appearance makes an ultra light field tripod – only 2.9kg for a tripod which extends from 220-1870mm (9.2-73.6")! Ultra strong – leg and bowl rigidity.



Spike with wind down Rubber feet.

For all surfaces the Solo ENG tripod can be adapted to suit all terrains by winding up the Rubber feet to reveal spikes.

1501

Solo 75 2-stage tripod (carbon fibre)



20kg
44.1lbs



2.4kg
5.29lbs



234-1614mm
9.2-63.5"



75mm
2.9"



700mm
27.6"



Specifications:

Leg extension	2-stage telescopic
Lock type	Concentric Rapid Lock
Leg material	Carbon fibre

1630

Solo 75 2-stage tripod (alloy)



20kg
44.1lbs



2.9kg
6.4lbs



234-1625mm
9.2-64"



75mm
2.9"



658mm
25.9"



Specifications:

Leg extension	2-stage telescopic
Lock type	Concentric Rapid Lock
Leg material	Alloy

2001

Solo 75 3-stage tripod (carbon fibre)



20kg
44.1lbs



2.9kg
6.4lbs



220-1870mm
8.7-73.6"



75mm
2.9"



658mm 25.9"



Specifications:

Leg extension	3-stage telescopic
Lock type	Concentric Rapid Lock
Leg material	Carbon fibre

Optional Accessories

394	Solo dolly
1520	Solo shoulder strap (Aircell)
1590	D36 Solo Leg Cover (set of 3)

SOLO 100 TRIPODS

THE ULTIMATE ULTRA LIGHT ENG TRIPOD

Reaching a sky high 1870mm (73.6") down to a ground hugging 220mm (8.7") without a spreader and easy ball levelling the Solo ENG series of 100mm bowl tripods is built to tackle even the most demanding conditions of on location shooting yet light enough to take anywhere.

An integrated 100mm bowl

A die cast alloy bowl offers quick levelling, optimum torsional rigidity and long term durability. Industry standard 100mm bowl suits all 100mm Miller fluid heads.



AIR cell super comfort carry strap and weatherproof carry case

Miller's detachable AIR Cell patented Shoulder strap offers easy and comfortable carriage, while the impact proof softcase satisfies all transport needs.



Concentric self-adjusting rapid leg locks

New rapid leg locks that lock in half the time. Super reliable self adjusting robust design. No protruding lock components. Channel lock tubing so you can tighten lock with one hand.



The 3-position leg angle locks

Take Solo down to a ground-hugging 220mm (8.7") with absolute stability. The leg angle locks eliminate the need for a spreader increasing operational reliability – a boost for the city rigours of ENG or the extremes of location production.



Neoprene leg protection

Complete protection for tripod tubing when packed down. Excellent grip while carrying or setting up the tripod in extreme weather climates.



Pulltrusion high strength carbon fibre/basalt tubing

Unique Solo 'weave' appearance ultra light - only 3.1kg for a tripod which extends from 220-1870mm (8.7-73.6"). Ultra strong - leg and bowl rigidity.

Spike with wind down rubber feet

For all surfaces the Solo ENG tripod can be adapted to suit all terrains by winding up the rubber feet to reveal spikes.



LEAN

The world's most advanced pulltrusion carbon fibre/basalt tubing means Solo ENG gives you a solid operating height up to 1870mm (73.6") in a lean and light design. In addition to the sleek 3-stage telescoping design, Miller has eliminated the need for a spreader with an innovative leg angle control that incorporates a safety lock to ensure safe and easy setting of the tripod.

LIGHT

Carbon fibre/basalt tubing, high strength magnesium and die cast alloy components provide the ultimate in ultra light yet rigid bowl attachment for the Solo ENG tripod series. The Solo design manages to keep the bowl-to-head connection absolutely stable while keeping the tripod weight and size to an absolute minimum.

LOW

You will not need Baby Legs or a Mini tripod with Solo ENG. With a low height setting down to 220mm (8.7"), no spreader and easy ball levelling, you are guaranteed of superbly stable images from any angle across any terrain.

1505

Solo 100 3-stage tripod (carbon fibre)



30kg
66lbs



2.9kg
6.4lbs



220-1870mm
8.7-73.6"



100mm
3.9"



685mm
25.9"



Specifications:

Leg extension	3-stage telescopic
Lock type	Concentric
Leg material	Carbon fibre

TOGGLE TRIPODS

SPEEDY, LIGHT WEIGHT PERFORMERS

Built for compact storage, maximum strength and optimum versatility the Toggle tripod series a proven reliable workhorse. It lets you set up in seconds whilst offering optimum torsional rigidity for stable shooting in the studio or on location.

75mm Bowl levelling cast alloy reinforced bowl design for maximum torsional rigidity and superior stability under load.

Fast Toggle Adjustment

With just a single twist the toggle lever is designed to provide positive leg locking for fast set up without risk of over tightening.

Light weight alloy construction

Durable and rigid alloy tubing manufactured with reinforced alloys and hand crafted finishing for reliable corrosion resistant support in all terrains.

Flip Out Transport Clips

Miller transport clips flip on and off the tripod in an instant for rapid set up or pull down.

Above ground spreader

A versatile above ground spreader, designed for use with all toggle tripod models provides maximum stability for tripod mounting on uneven surfaces.

Tripod leg spikes & Stay flat rubber feet

Dual stainless steel spikes for the field. Rubber feet with quick and easy pullover rubber stirrups for grip on smooth surfaces

Optional Accessories

390	MD pro dolly
391	LW pro dolly
550	Rubber feet (set of 3)
411	On ground spreader
508	Above ground spreader
835	DS tripod spreader

402 (Above ground spreader model as shown)
402G (Ground spreader model)
Toggle 2-stage tripod (alloy)



25kg
55lbs



3.0kg
6.6lbs



390-1560mm
15.4-61.4"



100mm
3.9"



690mm
27.2"



Specifications:

Leg extension	2-stage
Lock type	Toggle
Leg material	Alloy

420 (Above ground spreader model)
420G (Ground spreader model as shown)
Toggle 75 2-stage tripod (alloy)



25kg
55lbs



3.0kg
6.8lbs



390-1560mm
15.4-61.4"



75mm
2.9"



690mm
27.2"



Specifications:

Leg extension	2-stage
Lock type	Toggle
Leg material	Alloy

440 (Above ground spreader model as shown)
440G (Ground spreader model)
Toggle 75 LW tripod (alloy)



20kg
44lbs



2.5kg
5.5lbs



620-1330mm
24.4-52.4"



75mm
2.9"



830mm
32.7"



Specifications:

Leg extension	1-stage
Lock type	Toggle
Leg material	Alloy

455
Baby 2-stage tripod (alloy)
 with spreader & case



25kg
55lbs



2.8kg
6.1lbs



250-520mm
9.8-205"



100mm
3.9"



350mm
13.8"



Specifications:

Leg extension	2-stage
Lock type	Toggle
Leg material	Alloy

*Tripods do not include spreader or rubber feet

SPRINTER II TRIPODS

SPEED WITHOUT COMPROMISE

The patented Sprinter II rapid dual action leg lock system is designed for operators who require speed of setup without compromising the flexibility of independent stage leg adjustment.

It is ideally suited to the fast pace of news gathering and documentary production that require lightweight, compact fast setup performance and easy for transporting and travel.

By placing independent leg lock levers adjacent to each other on the upper stage they can be operated in unison or independently from the same one location.

In-line carry handle

Miller's unique in-line carry handle is perfectly positioned to help you safely and comfortably carry your Sprinter II over long distances.



Rapid-action transport clips

Miller's robust transport clips flip on and off the tripod leg in an instant for rapid set-up or transport of your Sprinter II tripod.



Lightweight and rigid construction

Sprinter II is built for ENG, fast to set-up with lightweight, yet rigid construction. The increased rigidity results from bowl to leg fastening, which resists loosening and eliminates joint instability and provides optimum torsional rigidity the most demanding pan actions.

Easily accessible, high speed independent 2-stage dual leg locks

Miller's patented Sprinter II leg locks let you set-up the tripod in seconds. The easily accessible leg lock levers are co-located and can be operated independently.



Mid level spreader

Continuously adjustable centre hub knob for smaller tripod footprints when required. Spreader latch and tripod swivel attachment prevents accidental damage.



Easy to maintain leg locks

Tuning your leg lock strength is easy with one simple adjusting lock screw. Only one Allen key required to fine-tune the lock performance in the field.



Tripod leg spikes & Stay flat rubber feet

Dual stainless steel spikes for the field. Rubber feet with quick and easy pullover rubber stirrups for grip on smooth surfaces.



1576 (Mid level spreader model as shown)
1576G (Ground spreader model)
Sprinter II 2-stage tripod (carbon fibre)



45kg
100lbs



3.2kg
7.0lbs



440-1530mm
17.3-60.4"



100mm
3.9"



700mm
27.6"



Specifications:

Leg extension	2-stage
Lock type	HS Dual Action
Leg material	Carbon fibre

1580 (Above ground spreader)
1580G (Ground spreader model as shown)
Sprinter II 2-stage tripod (alloy)



45kg
100lbs



3.8kg
8.3lbs



440-1530mm
17.3-60.4"



100mm
3.9"



700mm
27.6"



Specifications:

Leg extension	2-stage
Lock type	HS Dual Action
Leg material	Alloy

1589 (Above ground spreader)
1589G (Ground spreader model as shown)
Sprinter II 1-stage tripod (alloy)



45kg
100lbs



3.2kg
7.0lbs



665-1430mm
26.2-56.3"



100mm
3.9"



840mm
33.1"



Specifications:

Leg extension	1-stage
Lock type	HS Dual Action
Leg material	Alloy

Optional Accessories

480	Studio dolly
481	Studio dolly with cable guards
483	Studio Tracker Dolly
475	Rubber feet (set of 3)
470	On ground spreader
993	Mid level spreader

*Tripods do not include spreader or rubber feet

HD TRIPODS

HEAVY DUTY ENG/EFP

Built with the strength and torsion rigidity to take full ENG/EFP workloads even in extreme climates and temperatures the HD range of tripods are true workhorses which provide optimal stability and payload for the serious professional.

Flip locks

Adjustable flip locks mean quick set-up and easy maintenance. The leg lock have been designed to be impact resistant and smooth with positive clamping every time.



Rapid-action transport clips

Millers robust transport clips flip on and off the tripod leg in an instant for rapid set-up or transport of your HD tripod.



100 & 150mm Bowl

Die-cast alloy, reinforced 100 or 150mm bowl design for optimum torsional rigidity for the most demanding pan actions.



Split Carry Handle

Miller's split carry handle splits apart when set up and combines for balance, safe carriage when the tripod is collapsed.



Mid level spreader

Continuously adjustable centre hub knob for smaller tripod footprints when required. Spreader latch and tripod swivel attachment prevents accidental damage.



Tripod leg spikes & Stay flat rubber feet

Dual stainless steel spikes for the field. Rubber feet with quick and easy pullover rubber stirrups for grip on smooth surfaces



Optional Accessories

480	Studio dolly
481	Studio dolly with cable guards
483	Studio Tracker Dolly
475	Rubber feet (set of 3)
478	HD rubber feet (set of 3)
993	Mid level spreader

925
HD 2-stage tripod (carbon fibre)



95kg
 210lbs



4.5kg
 9.9lbs



480-1590mm
 18.9-62.6"



100mm
 3.9"



750mm
 29.5"



Specifications:

Leg extension	2-stage
Lock type	Flip Lock
Leg material	Carbon fibre

931
HD 1-stage tripod (alloy)



95kg
 210lbs



5.4kg
 11.9lbs



785-1575mm
 30.9-62.0"



100mm
 3.9"



930mm
 36.6"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

932
HD 1-stage studio tripod (alloy)



95kg
 210lbs



4.7kg
 10.4lbs



590-1270mm
 23.2-50.0"



100mm
 3.9"



782mm
 30.8"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

935
HD 1-stage mini tripod (alloy)



95kg
 210lbs



4.0kg
 8.8lbs



350-960mm
 13.7-37.7"



100mm
 3.9"



645mm
 25.3"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

*Tripods do not include spreader or rubber feet

HD TRIPODS

937

HD 150 2-stage tripod (carbon fibre)



95kg
210lbs



4.6kg
10.1lbs



520-1615mm
20.5-63.6"



150mm
5.9"



750mm
29.5"



Specifications:

Leg extension	2-stage
Lock type	Flip Lock
Leg material	Carbon fibre

943

HD 150 1-stage tripod (alloy)



95kg
210lbs



5.35kg
11.8lbs



800-1590mm
31.5-62.6"



150mm
5.9"



940mm
37.0"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

944

HD 150 1-stage Studio Tripod (alloy)



95kg
210lbs



4.8kg
10.6lbs



610-1280mm
24.0-50.4"



150mm
5.9"



790mm
31.1"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

945

HD 150 1-stage Mini Tripod (alloy)



95kg
210lbs



4.2kg
9.25lbs



350-970mm
14.6-38.2"



150mm
5.9"



650mm
25.6"



Specifications:

Leg extension	1-stage
Lock type	Flip Lock
Leg material	Alloy

*Tripods do not include spreader or rubber feet

2110G
HD MB 1-stage tripod (alloy)



95kg
209lbs



5.9kg
13.2lbs



737-1549mm
29.0-61.0"



150mm
5.9"



946mm
37.2"



Specifications:

Leg extension	1-stage
HD Lock type	Quick action rotary screw
Leg material	Alloy & composite polymers

*Tripods do not include spreader or rubber feet

3220 COMBO LIVE 30 PEDESTAL



COMPACT & PORTABLE

Miller Combo Live 30 pedestal offers light weight portability employing an air adjustable column system that delivers wide height range 810mm (31.8") up to 1690mm (66.5") with extension (opt.), precise, smooth, low noise in-shot 450mm (17.7") elevation stroke for payloads up to 30kg (66lbs).

Dual ball bearing wheels individually fitted with axial brakes deliver even and smooth effortless movement, featuring multiple wheel locking positions for linear or radius dolly tracking.

With its sturdy construction it delivers maximum stability with reliable and simple to use features.

This makes the Combo Live Pedestal series a high performer offering perfect option for live broadcast studios looking for a versatile pedestal that punches above its weight.

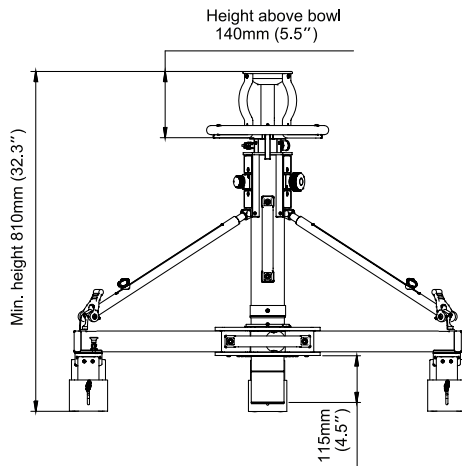
Miller Combo LIVE 30 Pedestals come with a three year warranty, endorsing the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact and portable with carry handle for column & dolly.
- Wide height range 810mm (31.8") up to 1690mm (66.5") with extension (opt.).
- Precise, smooth and low noise in-shot column with 450mm (17.7") stroke.
- Simple and easy to setup and use with Drag control knob pressure column (8) and Lock lever pressure column (5).
- Air adjustable column system for quick payload balancing.
- Independent dolly wheel axle brake system eliminates wheel tyre indents.
- Multiple wheel positions for linear or radius dolly tracking.
- 125mm (4.9") dual ball bearing wheels for quick swivel-turn action.
- Centre hub locking column with adjustable spider arm supports.
- Steering wheel diameter 294mm (11.6").
- Dolly tracking width 970mm (38.2").
- Sturdy adjustable cable guards.
- Portable hand pump with pressure gauge.
- Weight bag to secure dolly 5.6kg (12.3lbs) (opt.).

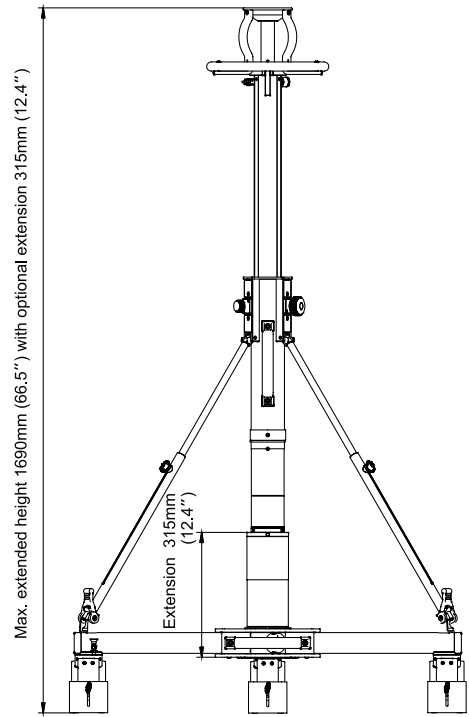
Specifications - 3220

Weight Total	17.7kg (38.9lbs)
Weight Dolly	9.2kg (20.2lbs)
Weight Column	8.5kg (18.7lbs)
Payload range (column)	30.0kg (66.0lbs)
Column in-shot stroke	450mm (17.7")
Min. height	810mm (31.9")
Max. height	1375mm (54.1")
Max. height with extension (opt.)	1690mm (66.5")
Tracking width	970mm (38.2")
Steering wheel diameter	294mm (11.6")
Mounting base	Bowl type
Bowl diameter	Ø100mm (3.9")
Wheel diameter	Ø125mm (4.9")
Transport width (pedestal)	294mm (11.6")
Transport height (pedestal)	810mm (31.9")
Transport length (dolly)	785mm (30.9")



Accessories:

3290	Extension assembly 315mm (12.4")
3294	Weight bag 5.6kg (12.3lbs)



3250 System Arrow^x 5 Combo Live 30 pedestal with 450mm in-shot stroke

- 2-21kg
4.4-46.2lbs
- 21.8kg
48.0lbs
- 100mm
3.9"
- 972-1537mm
38.2-60.5"



Components:

1074	Arrow ^x 5 fluid head
696	Pan handle - telescopic with clamp
3220	Combo Live 30 pedestal

3260 System Arrow^x 7 Combo Live 30 pedestal with 450mm in-shot stroke

- 6-25kg
13.2-55.1lbs
- 21.8kg
48.0lbs
- 100mm
3.9"
- 972-1537mm
38.2-60.5"



Components:

1076	Arrow ^x 7 fluid head
696	Pan handle - telescopic with clamp
3220	Combo Live 30 pedestal

3230 COMBO LIVE 55 PEDESTAL



HIGH CAPACITY LIVE SHOT

Miller Combo Fixed Shot 55 pedestal offers high payload capacity and light weight portability employing an air adjustable column system that delivers wide height range 790mm (31.1") up to 1670mm (65.7") with extension (opt.), precise, smooth, low noise in-shot 450mm (17.7") stroke for payloads up to 55.0kg (121.0lbs).

Dual ball bearing wheels individually fitted with axial brakes deliver even and smooth effortless movement, featuring multiple wheel locking positions for linear or radius dolly tracking.

With its sturdy construction it delivers maximum stability with reliable and simple to use features.

This makes the Combo Live 55 a clear stand-out high performer option for live broadcast studio operators looking for a versatile pedestal that punches above its weight.

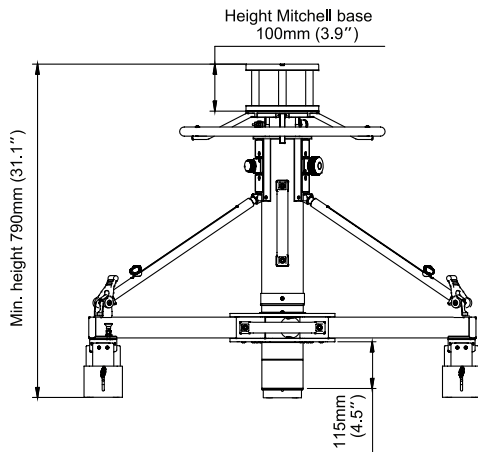
Miller Combo LIVE 55 Pedestals come with a three year warranty, endorsing the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact and portable with carry handle for column & dolly.
- Wide height range 790mm (31.1") up to 1670mm (65.7") with extension (opt.).
- Precise, smooth and low noise In-shot column with 450mm (17.7") stroke.
- Simple and easy to setup and use with Drag control knob pressure column (8) and Lock lever pressure column (5).
- Air adjustable column system for quick payload balancing.
- Independent dolly wheel axle brake system eliminates wheel tyre indents.
- Multiple wheel positions for linear or radius dolly tracking.
- 125mm (4.9") dual ball bearing wheels for quick swivel-turn action.
- Centre hub locking column with adjustable spider arm supports.
- Steering wheel diameter 494mm (19.4").
- Dolly tracking width 970mm (38.2").
- Sturdy adjustable cable guards.
- Portable hand pump with pressure gauge.
- Weight bag to secure dolly 5.6kg (12.3lbs) (opt.).

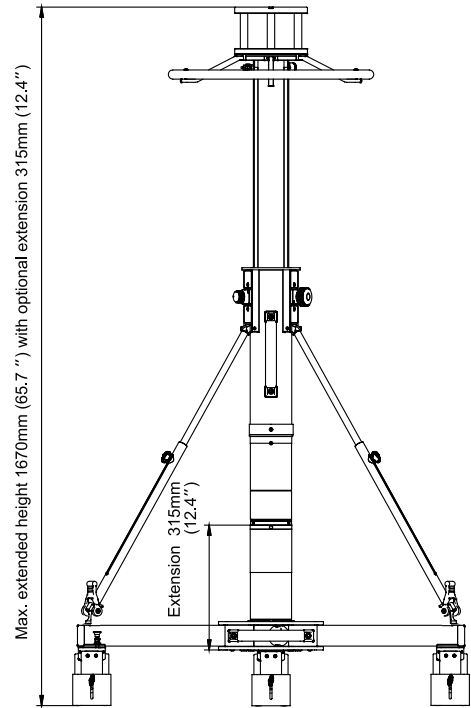
Specifications - 3230

Weight Total	22.8kg (50.2lbs)
Weight Dolly	9.2kg (20.2lbs)
Weight Column	13.6kg (29.9lbs)
Payload range	55.0kg (121.0lbs)
Column in-shot stroke	450mm (17.7")
Min. height	790mm (31.1")
Max. height	1355mm (53.3")
Max. height with extension (opt.)	1670mm (65.7")
Tracking width	970mm (38.2")
Steering wheel diameter	494mm (19.4")
Mounting base	Mitchell base type
Wheel diameter	Ø125mm (4.9")
Transport width (pedestal)	494mm (19.4")
Transport height (pedestal)	790mm (31.1")
Transport length (dolly)	785mm (30.9")



Accessories:

3290	Extension assembly 315mm (12.4")
3294	Weight bag 5.6kg (12.3lbs)



3270 System Skyline 70 Combo Live 55 pedestal with 450mm in-shot stroke



4.5-37.5kg
9.9-82.5lbs



30.1kg
66.9lbs



1024-1589mm
40.3-62.6"



Components:

1050	Skyline 70 fluid head
1225	Mitchell base adaptor with clamp
694	Pan handle - telescopic with clamp
3230	Combo Live 55 pedestal

1960 COMBO 30 PEDESTAL



LIGHT WEIGHT FIXED SHOT

Miller Combo 30 pedestal offers light weight portability employing an air adjustable column system that delivers a 350mm (13.8") stroke for payloads up to 30kg (66lbs).

Sturdy construction brings maximum stability and reliability.

Simple to use features and easy setups augment the user experience.

This makes the Combo 30 pedestal the clear stand-out choice for studio operators looking for a versatile pedestal that punches above its weight.

Miller Combo 30 Pedestals come with a three year warranty, endorsing the reliability and **"THE RIGHT FEEL"** that are the hallmarks of every Miller product.

Features

- Compact and portable with carry handle for dolly.
- Simple and easy to setup and use.
- Air adjustable column system for quick payload balancing.
- Quick action column lock.
- Smooth 350mm (13.8") stroke.
- Independent 125mm dolly wheel brake system.
- Sturdy adjustable cable guards.
- Steering wheel diameter 294mm (11.6").
- Dolly tracking width 920mm (36.2").
- Portable hand pump not included.

Specifications - 1960

1950 Combo pedestal & 481 Studio dolly with cable guards

Weight Total	11.6kg (25.57 lb)
Weight Dolly	6.60 kg (14.6 lbs)
Weight Column	5kg (11.02 lb)
Payload range	30kg (66.1lbs)
Column stroke	350mm (13.8")
Min. height	1062mm (41.8")
Max. height	1412mm (55.6")
Tracking width	1072mm (42.2")
Steering wheel diameter	294mm (11.6")
Mounting base	Ø100mm (3.9")
Wheel diameter	294mm (11.6")
Transport width (pedestal)	690mm (27.1")
Transport height (pedestal)	690mm
Transport length (dolly)	610mm (24")
Transport length (dolly)	785mm (30.9")

1971

System Arrow^x 3 Combo pedestal



1-19kg
2.2-41.8lbs



18kg
39.7lbs



100mm
3.9"



1062-1412mm
41.8-55.6"



Components:

1072	Arrow ^x 3 fluid head
694	Pan handle - telescopic with clamp
1960	Combo 30 pedestal

1978

System Arrow^x 5 Combo pedestal



2-21kg
4.4-46.2lbs



18kg
39.7lbs



100mm
3.9"



1062-1412mm
41.8-55.6"



Components:

1074	Arrow ^x 5 fluid head
696	Pan handle - telescopic with clamp
1960	Combo 30 pedestal

1985

System Arrow^x 7 Combo pedestal



6-25kg
13.2-55.1lbs



18kg
39.7lbs



100mm
3.9"



1062-1412mm
41.8-55.6"



Components:

1076	Arrow ^x 7 fluid head
696	Pan handle - telescopic with clamp
1960	Combo 30 pedestal

SPREADERS

411

On ground spreader
to suit Toggle tripods



0.7kg
1.5lbs



420mm
16.5"



910 - 1310mm
31.8" - 51.6"



- Quick and easy pullover rubber stirrups to secure tripod legs
- Safely adjust tripod legs to equal or preset distances
- Flexible spreader arms that self-adjust to uneven ground surfaces
- Quick extension of arm adjustment without detaching tripod leg from spreader

470

On ground spreader
to suit Sprinter II tripods



0.65kg
1.3lbs



445mm
17.5"



910 - 1310mm
31.8" - 51.6"



- Quick and easy pullover rubber stirrups to secure tripod legs
- Safely adjust tripod legs to equal or preset distances
- Flexible spreader arms that self-adjust to uneven ground surfaces
- Quick extension of arm adjustment without detaching tripod leg from spreader

508

Above ground spreader
to suit Toggle 2-stage tripods



0.4kg
0.88lbs



320mm
12.5"



630 - 1060mm
24.8" - 41.7"



- Quick and easy rubber tied spreader pins to secure tripod legs
- Safely adjust tripod legs to equal or preset distances.
- Above the ground for easy setup on steps, slopes or uneven and rocky terrain
- Quick telescopic arm adjustment without detaching tripod leg from spreader

835

DS tripod spreader
to suit Toggle LW tripods



0.2kg
0.44lbs



290mm
11.4"



580mm
22.8"



- Quick and easy rubber tied spreader pins to secure tripod legs
- Above the ground for easy setup on steps, slopes or uneven and rocky terrain

993

Mid level spreader
to suit Sprinter II & HD tripods



0.79kg
1.74lbs



320mm
12.5"



600 - 1000mm
23.6" - 39.3"



- Quick action spreader arm latches to attach or release from tripod
- Safely adjust tripod legs to equal or preset distances
- Adjustable centre hub knob for smaller tripod footprints when required
- Spreader latch and tripod swivel attachment prevents accidental damage

2130

HD Ground Spreader
to suit HD MB tripods



1.8kg
1.76lbs



433mm
17.04"



866 - 1346mm
34.1" - 52.9"



- Solid robust all metal alloy construction for heavy duty use
- Quick and easy pullover rubber stirrups to secure HD tripod legs
- Easy extension of arm adjustment without detaching tripod leg from spreader
- Centre hub knob to collapse and carry
- Spreader arm bolt holes for flat surface securing

HI HATS & RUBBER FEET

465

Ø75 Hi hat

with Ø75 tripod bowl



20kg
44.1lbs



1kg
2.2lbs



75mm



150mm
5.9"



- 150mm ultra low bowl height
- Mount to flat surface with foot fixing holes
- 225mm footprint diameter

466

Ø100 Hi hat

with Ø100 tripod bowl



25kg
55lbs



1kg
2.2lbs



100mm



150mm
5.9"



- 150mm ultra low bowl height
- Mount to flat surface with foot fixing holes
- 225mm footprint diameter

467

Ø150 Hi hat

with Ø150 tripod bowl



40kg
88lbs



2.2kg
4.4lbs



150mm



151mm
5.9"



- 151mm ultra low bowl height
- Mount to flat surface with foot fixing holes
- 320mm footprint diameter

475

Rubber feet (set of 3)

to suit all Sprinter II & HD tripods



0.2kg
0.44lbs



95 x 55mm
3.7 x 2.1"



- Quick and easy pullover rubber stirrups to secure tripod legs
- Tough durable composite polymer
- Rubber foot pad for extra grip

550

Rubber feet (set of 3)

to suit Toggle LW, 2-stage tripods



0.2kg
0.44lbs



70mm
2.75"



- Quick and easy pullover rubber stirrups to secure tripod legs
- Tough durable composite polymer
- Rubber foot pad for extra grip

478

HD rubber feet (set of 3)

to suit HD MB 1-stage tripod (alloy)



0.54kg
1.2lbs



80 x 40mm
3.15 x 1.6"



- Quick and easy pullover rubber stirrups to secure tripod legs
- Robust alloy construction for heavy duty use
- Rubber foot pad for extra grip

PRO, SOLO & STUDIO DOLLIES

390 MD pro dolly

to suit Toggle 2-stage tripods



45kg
99lbs



4.2kg
9.3lbs



640mm
25.2"



914mm
36.0"



- Fast action folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 125mm smooth glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

391 LW pro dolly

to suit Toggle LW tripods



25kg
55lbs



2.6kg
5.7lbs



560mm
22.0"



914mm
36.0"



- Fast action folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 75mm smooth glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

394 Solo dolly

to suit all Solo tripods



25kg
55lbs



2.5kg
5.5lbs



560mm
22.0"



914mm
36.0"



- Fast action folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 75mm smooth glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

480 Studio dolly

to suit Sprinter II & HD tripods



100kg
220lbs



6.2kg
13.7lbs



610mm
24.0"



1072mm
42.2"



- Fast action self locking folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 125mm smooth precision glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

481 Studio dolly with cable guards

to suit Sprinter II & HD tripods with cable guards



100kg
220lbs



6.6kg
14.6lbs



610mm
24.0"



1072mm
42.2"



- Adjustable cable guards
- Fast action self locking folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 125mm smooth precision glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

483 Studio Tracker Dolly with cable guards & tracking

to suit Sprinter II & HD tripods with cable guards



100kg
220lbs



6.9kg
15.2lbs



640mm
25.2"



1072mm
42.2"



- Independent track-wheel-locking
- Adjustable cable guards
- Fast action self locking folding arms
- Quick and easy pullover rubber stirrups to secure tripod legs
- 125mm smooth precision glide wheels
- Dual-lock wheel action
- Integrated carry handle
- Hi-strength black alloy construction

CASES

318 Multi hardcase:

- Super tough molded polyethylene with foam inserts for protection
- Molded carry & pull handles
- Tough transport wheels (replaceable)
- Insert softcases for air travel protection
- Lockable latch

870, 872, 874, 876, 1518 & 2095 Softcases:

- Tough weatherproof Cordura construction
- High density padding for extra protection
- Padded head cradle for extra protection
- Heavy duty zippers
- Padded carry strap

975 Arrow shell case:

- Tough weatherproof Cordura construction
- 6mm stiff polypropylene shell
- 10mm High density padding for extra protection
- Padded head cradle for extra protection
- Extra Heavy duty ykk zippers
- Padded carry strap
- Transport wheels (replaceable)

318

Hardcase

to suit all tripod systems including softcases



6.8kg
14.9lbs



400 x 360 x 1295mm
15.7 x 14.1 x 51"



396

Skycine 70 head case (alloy)

to suit Skyline 70 & Cinline 70 fluid heads



5.8kg
12.7lbs



320 x 350 x 410mm
12.5 x 13.7 x 15.1"



- All hi-strength welded alloy construction with corner protectors
- High density molded foam for full head protection
- Carry handle & with lockable latch

870

Arrow softcase 1-stage

to suit Sprinter II 1-stage tripod systems



3.5kg
7.7lbs



220 x 190 x 1080mm
8.6 x 7.4 x 42.5"



872

Arrow softcase 2-stage

to suit Sprinter II & Toggle 2-stage tripod systems



3.0kg
6.6lbs



220 x 240 x 930mm
8.6 x 9.4 x 36.6"



874

DS softcase LW 1-stage

to suit Toggle LW tripod systems



1.9kg
4.2lbs



210 x 1075mm
8.3 x 42.3"



876

DS softcase 2-stage

to suit Toggle 2-stage tripod systems



2.0kg
4.4lbs



210 x 930mm
8.3 x 36.6"



975

Arrow shell case wheels

to suit Sprinter II & HD tripod systems



4.2kg
9.3lbs



300 x 270 x 1030mm
11.8 x 10.4 x 40.6"



CASES, STRAPS, SOLO LEG COVERS & SOLOPOD

1518

Solo 75 2-stage tripod bag

to suit Solo 75 2-stage tripod systems



0.65kg
1.4lbs



165 x 850mm
6.15" x 33.5"



2095

AIR tripod bag

to suit AIR Solo tripod systems



0.5kg
1.1lbs



165 x 850mm
6.15" x 33.5"



554

Shoulder strap (padded)

to suit all Toggle tripods & softcases



0.2kg
0.4lb



1100mm
43.3"



800mm
31.5"



- Safety spring latch attaches to all 75mm and 100mm toggle tripods
- In-line slide buckle adjustment
- Ergonomic padded shoulder support
- Weatherproof cordura, nylon & neoprene materials with anti-corrosive buckles

1520

Solo shoulder strap (Aircell)

to suit all Solo tripods



0.2kg
0.4lbs



806mm
31.7"



806mm
31.7"



- Safety spring latch attaches to all 75mm and 100mm Solo tripods
- In-line slide buckle adjustment
- Ergonomic 'Padded Cell' AIR-bubble shoulder support
- Weatherproof cordura, nylon & neoprene materials with anti-corrosive buckles

1590 D36 Solo Leg Cover (set of 3)

to suit all Solo tripods



0.21kg
0.5lbs



320 x 175mm
12.59 x 6.88"



311

Solopod

with reversible 3/8" - 1/4" screw and swivel foot



10kg
22lbs



0.8kg
1.8lbs



560mm
22.5"



1735mm
66.3"



- Ultra light carbon fibre tube design
- Sturdy reliable operation
- 3 Stage rapid lock extensions
- Carry strap for transport
- Non-skid rubber foot with swivel action

CAMERA PLATES

858

Offset camera plate

to suit additional offset camera payloads



0.25kg
0.55lbs



160 x 80 x 7.5mm
6.2 x 3.1 x 0.29"



2 x 3/8" screws



860

Camera plate (Euro)

to suit Compass 25, Arrow 25, 40 & 55 Arrow[®] 3, 5 & 7 fluid heads



0.08kg
0.17lbs



79.5 x 65 x 6mm
3.1 x 2.5 x 0.23"



1/4" & 3/8" screws



1060

Camera plate (Large Euro)

to suit Skyline 70 fluid heads



0.18kg
0.39lbs



120 x 80 x 7.4mm
4.7 x 3.1 x 0.29"



2 x 3/8" screws



1065

Camera plate (Arri)

to suit Cinline 70 fluid heads



0.60kg
1.322lbs



260 x 95.5 x 11.7mm
10.2 x 3.75 x 0.46"



2 x 3/8" screws



1204

Camera plate

to suit AIR, DS10 & 20, Compass 12, 15 & 23 fluid heads



0.07kg
0.154lbs



120 x 48.5 x 8mm
4.7 x 1.9 x 0.31"



Std 1/4" screw
and pin
1/4" and 3/8" screws



1208

Camera plate mini (Euro)

to suit Compass 20 fluid heads



0.05kg
0.11lbs



62 x 48.5 x 6mm
2.4 x 1.9 x 0.23"



1/4" and 3/8"
screws



PAN HANDLES

681

Pan handle - fixed with clamp

to suit DS10 & 20 fluid heads



0.25kg
0.55lbs



390mm
15.4"



- Supplied with grey handle carrier
- Durable black anodised aluminium tubing
- Material alloy/rubber

682

Pan handle - fixed with clamp

to suit AIR fluid head



0.26kg
0.57lbs



390mm
15.4"



- Supplied with Black handle carrier
- Durable black anodised aluminium tubing
- Material alloy/rubber

679

Pan handle - fixed with clamp

to suit Compass 12, 15, 20 & 23 fluid heads



0.28kg
0.61lbs



390mm
15.4"



- Durable hi-strength black alloy tubing
- Comfortable rubber pan handle grip

694

Pan handle - telescopic with clamp

to suit Compass 25, Arrow 25, 40 & 55 fluid heads



0.38kg
0.8lbs



390-590mm
15.4-23.2"



- 200mm telescopic extension
- Durable hi-strength black alloy tubing
- Comfortable rubber pan handle grip

696

Pan handle - telescopic with clamp

to suit Arrow^x 3, Arrow^x 5, Arrow^x 7 & Skyline 70 fluid heads



0.38kg
0.83lbs



390-590mm
15.4-23.2"



- 200mm telescopic extension
- Durable hi-strength black alloy tubing
- Comfortable rubber pan handle grip
- Long clamp lever

698

Pan handle (HD) - telescopic with clamp

to suit Skyline 70 and Cinline 70 fluid heads



0.46kg
1.01lbs



430-630mm
16.9-24.8"



- 200mm telescopic extension
- Extra heavy duty rigid black alloy tubing
- Comfortable rubber pan handle grip
- HD metal clamp lever

1230

Pan handle - articulated with extender

to suit Cinline 70, Skyline 70 and Arrow^x fluid heads



0.72kg
1.59lbs



380mm
15.0"



- Multi positional pan handle grip
- Includes 1234 pan handle short grip for dual control
- Includes 1238 serrated handle clamp extender

1234

Pan handle - short grip

to suit Cinline 70, Skyline 70 and Arrow^x fluid heads



0.39kg
0.86lbs



210mm
8.3"



- Short grip for greater control
- Durable hi-strength black alloy tubing
- Comfortable rubber pan handle grip

ADAPTORS

378

Ø75 - Ø100 tripod bowl adaptor

to suit Ø75 fluid heads



0.08kg
0.21lbs



- Convert 100mm tripod bowl to suit 75mm ball levelling heads

493

1/4" Screw & pin carriage

to suit all camera plate with 1/4" screw & pin carriage



27.5 x 13.5mm
1.08 x



Std 1/4" and pin

- Industry standard 1/4" & pin, fits all standard Miller Camera plates
- Direct-to-camera base for Mini DV camcorders

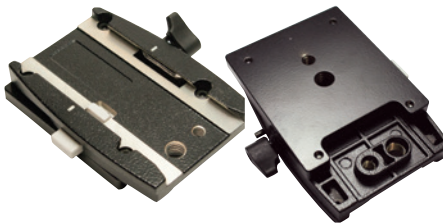
1214

QR adaptor plate

to suit Solopod & flat base mounting



10kg
22lbs



0.33kg
0.71lbs



104 x 86 x 73mm
4.09 x 3.38 x 2.87"

- Quick release sliding camera plate with 70mm travel
- Flat base mounting with 1/4" and 3/8" screw holes

1217 Accessory mounting adaptor 1/4" & 3/8"

1216, 1219 & 1221 Accessory mounting bracket

to suit Compass, Arrow^x, Skyline & Cinline



3.0kg
6.6lbs



0.037kg
0.081lbs



40 x 20 x 20mm
1.57 x 0.78 x 0.78"

- 1216 to suit all Compass fluid heads
- 1217 with 1/4" & 3/8" accessory screw holes to suit 1216, 1219 & 1221
- 1219 to suit all Arrow^x fluid heads
- 1221 to suit Skyline & Cinline fluid heads
- Hi-strength black alloy construction

1223

Front box adaptor

to suit Cinline 70 & Skyline 70 fluid heads



5.0kg
11.0lbs



0.36kg
0.79lbs



104 x 86 x 73mm
4.09 x 3.38 x 2.87"

- To mount camera operators accessory front box
- Hi-strength black alloy construction
- 1/4" & 3/8" accessory screw holes

1225

Mitchell base adaptor with clamp

to suit Arrow^x, Skyline 70 & Cinline 70 fluid heads



0.82kg
1.81lbs



Ø 174mm
6.9"



- Easy to fit with 3 screws supplied
- Adjustable clamp to suit all flat base tripods
- Hi-strength black alloy construction

1238

Serrated handle clamp extender

to suit Cinline 70, Skyline 70 and Arrow^x fluid heads



0.12kg
0.26lbs



50mm
2.0"

- 50mm extension
- 1/4" and 3/8" accessory screw holes

2092

Accessory adaptor

to suit AIR fluid head



0.012kg
0.026lbs



24 x 24 x 20mm
0.94 x 0.94 x 0.787"



- 1/4" adaptor screw hole for accessory mounting

SLIDING PLATES

1206

Sliding plate assembly (Mini Euro)

to suit Compass fluid heads



0.26kg
0.57lbs



160 x 80 x 36mm
6.2 x 3.1 x 1.4"

• For 1208 Camera plate (Mini Euro)



1210

Sliding plate assembly (Euro)

to suit Compass fluid heads



0.30kg
0.66lbs



150 x 80 x 30mm
5.9 x 3.1 x 1.1"

• For 860 Camera plate (Euro)



CAMERA SCREWS

P0036

1/4" Camera screw

to suit all Miller fluid heads



P3459

1/4" Camera screw short

to suit all Miller fluid heads



P0037

3/8" Camera screw short

to suit all Miller fluid heads



P0876

1/4" to 3/8" camera screw

to suit Solopod 311



KEY SYMBOLS

Payload range



Weight



Height range



Bowl diameter



Transport length



Footprint diameter



Diameter range



Minimum width



Maximum width



Minimum height



Maximum height



Maximum payload capacity



Dimensions



Attachment



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3092	System Arrow ^x 5 Sprinter II 1-stage (alloy)	with 470 On ground spreader	48
3093	System Arrow ^x 5 Sprinter II 1-stage (alloy)	with 993 Mid level spreader + 475 feet	48
3097	System Arrow ^x 5 Sprinter II 2-stage (alloy)	with 993 Mid level spreader + 475 feet	48
3101	System Arrow ^x 5 Sprinter II 2-stage (carbon fibre)	with 993 Mid level spreader + 475 feet	48
3128	System Arrow ^x 5 Solo 100-3 (carbon fibre)	with Solo 100 3-stage tripod (carbon fibre)	49
3155	System Arrow ^x 7 Sprinter II 1-stage (alloy)	with 470 On ground spreader	52
3156	System Arrow ^x 7 Sprinter II 1-stage (alloy)	with 993 Mid level spreader + 475 feet	52
3164	System Arrow ^x 7 Sprinter II 2-stage (carbon fibre)	with 993 Mid level spreader + 475 feet	52
3175	System Arrow ^x 7 HD 1-stage (alloy)	with 993 Mid level spreader + 475 feet	52
3179	System Arrow ^x 3 HD 2-stage (carbon fibre)	with 993 Mid level spreader + 475 feet	53
3220	Combo Live 30 pedestal	Ø100bowl, to suit payload range 30kg (66.0lbs)	78
3230	Combo Live 55 pedestal	Mitchell base, to suit payload range 55.0kg (121.0lbs)	80
3250	System Arrow ^x 5 Combo Live 30 pedestal	with 450mm in-shot stroke	79
3260	System Arrow ^x 7 Combo Live 30 pedestal	with 450mm in-shot stroke	79
3270	System Skyline 70 Combo Live 55 pedestal	with 450mm in-shot stroke	81
3290	Extension assembly 315mm	to suit 3220 Combo Live 30 pedestal and 3230 Combo Live 55 pedestal	79
3294	Weight Bag 5.6kg (12.34lbs)	to suit 3220 Combo Live 30 pedestal and 3230 Combo Live 55 pedestal	79

The Miller Camera Support Equipment Product Catalogue provides summary details of the components and options available for Miller system packages. For more detailed product descriptions, applications and technical information, please visit www.millertripods.com

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