



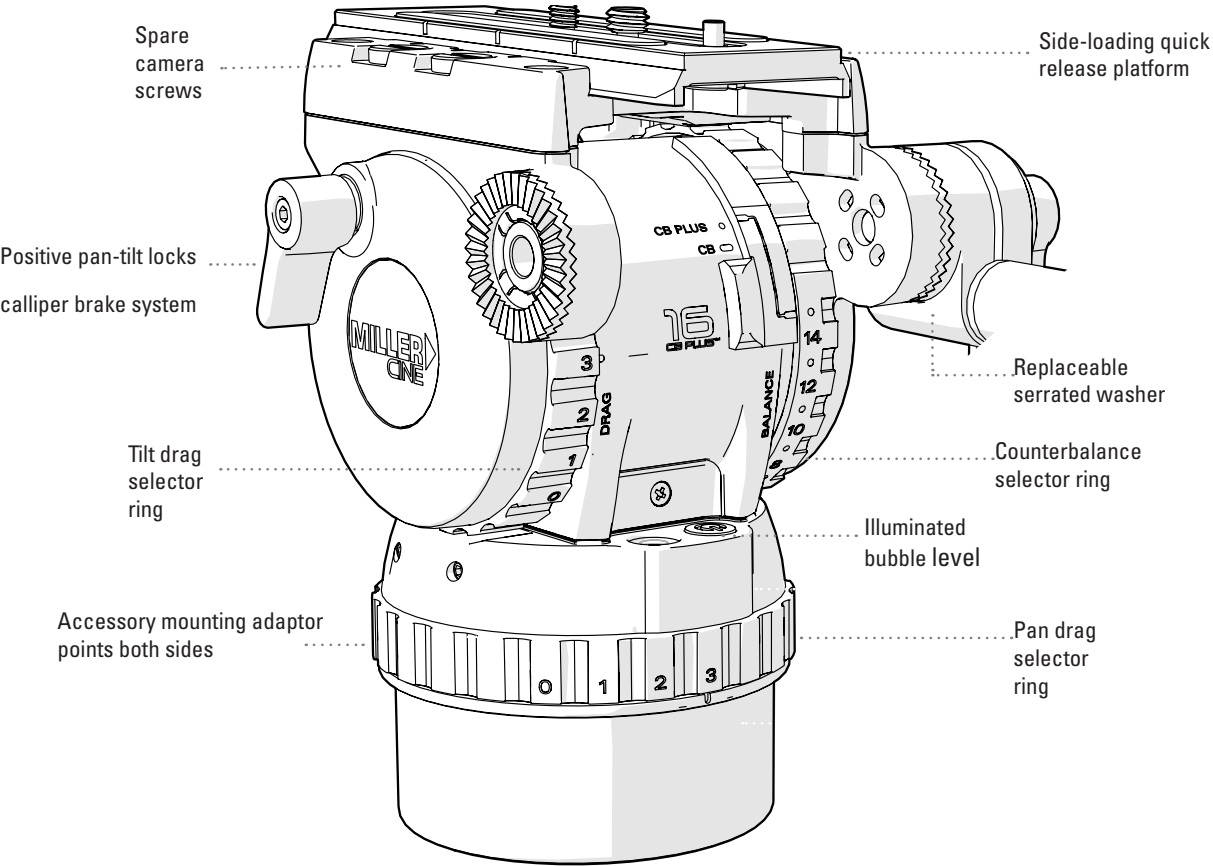
Naked Fluid Head

OPERATOR'S MANUAL

- 1114 ArtX 3 Naked Fluid Head
- 1116 ArtX 5 Naked Fluid Head
- 1118 ArtX 7 Naked Fluid Head



Features



Introduction

Congratulations, you are actually reading the operations manual! So many people dismissed user guides these days, but a product with any degree of complexity and sophistication, one with robust and flexible features such as the one you just bought, is going to take a little bit of figuring out. That's what this manual is for.

Register your warranty

Before we go any further is very important that you go to millertripods.com/en/warranty and register your warranty to claim your three full factory warranty. Please read the warranty information on the same registration page on the website.

If it is not done now probably it never will.



Product Overview

You are now the proud owner of a Miller Fluid Head known as a "Naked Head" designed for maximum versatility for creative artists. ArtX is a new concept that provides choices to enable users to customise a fluid head to fit their exact purpose.

The key features of ArtX are:

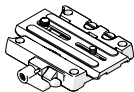
- Customisable fluid head
- Flat base (tripod mounting attachments optional)
- The Right Feel, smooth start, soft stop, fluid drag technology.
- Balanced diagonal transitions
- 15+0 CB Plus™ selectable counterbalance positions
- Ergonomically located CB Plus switch
- Positive selection radial drag ring controls
- Illuminated bubble level
- Precise floating pan-tilt calliper locks ensure bounce free on-off performance
- Robust construction for rugged outdoor shooting conditions
- Two side mounting points for viewfinders and accessories
- Wear-resistant serrated rosette washer
- Three years full warranty
- Designed and manufactured in Australia

To ready the fluid head for use the following are required

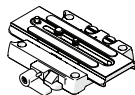
- a) fluid head
 - b) sliding platform
 - c) pan handle
 - d) tripod attachment (unless used as flathead)
- Please refer to fig 1.

Naked Fluid Head Options

Fig. 1

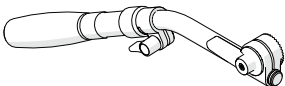


OR



CAT. # 1276
MILLER BASE PLATE &
CAMERA PLATE

CAT. # 1278
VERSA BASE PLATE &
CAMERA PLATE

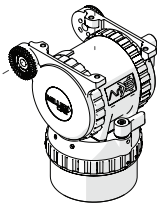


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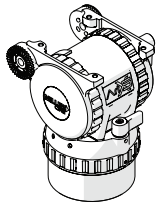


CAT. # 694
TELESCOPIC PAN
HANDLE

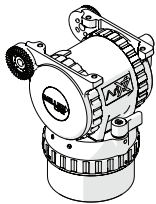
CAT. # 679
STANDARD PAN
HANDLE



OR



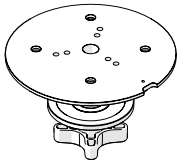
OR



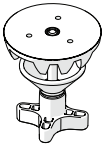
CAT. # 1114
ARTx 3 FLUID HEAD NAKED

CAT. # 1116
ARTx 5 FLUID HEAD NAKED

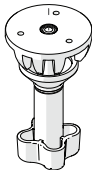
CAT. # 1118
ARTx 7 FLUID HEAD NAKED



OR



OR



CAT. # 1225
MITCHELL BASE

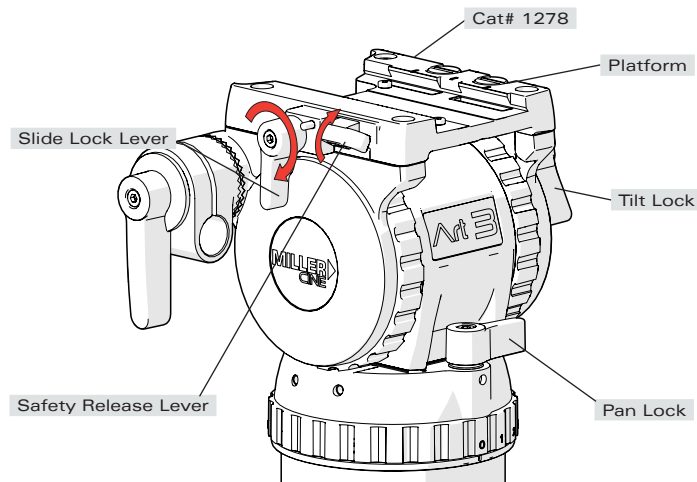
CAT. # 1290
DIA. 100mm CLAW
BALL

CAT. # 1288
DIA. 75mm CLAW
BALL

Safety Instructions

Use this manual to familiarise yourself with the operation of the ArtX Fluid Head and observe these instructions to prevent any damage to your equipment. Ensure that all equipment is operating correctly and free from defects and damage, also ensure that the tripod is steady, secure and that the bowl is approximately horizontal when attaching the camera. The operator is responsible for the safe operation of this piece of equipment.

- Do not exceed the maximum payload capacity of the Fluid Head
- Do not leave the camera unattended on the Fluid Head
- Do not release the SLIDE LOCK LEVER whilst the camera is at an angle.
- Do not adjust the tripod whilst the camera is attached to the Fluid Head.
- Ensure PAN HANDLE CLAMP and CLAMP NUT is securely tightened.
- Apply TILT LOCK when adding/removing equipment from the camera or when attaching/removing the camera from the Fluid Head.
- Hold camera securely whilst changing Counterbalance, Pan Drag or Tilt Drag settings.
- Hold the camera securely whilst releasing the SAFETY RELEASE LEVER.
- Hold camera securely whilst adjusting the CLAMP NUT to level the Fluid Head.



Assembly

Baseplate

Attach the Base Plate Assembly (Cat #1278 or #1276) using the supplied M5 x 16 Socket Cap Screws (4) and a 4mm Hex key. Lightly tighten the first screw and then the remaining 3 screws by working in a cross pattern. Re-tighten firmly all screws.

After tightening all screws, assemble the camera plate and check that the camera plate is securely captured and slides smoothly, then apply SLIDE LOCK LEVER and check holding force. Release the SLIDE LOCK SCREW and the SAFETY RELEASE LEVER and remove the camera plate.

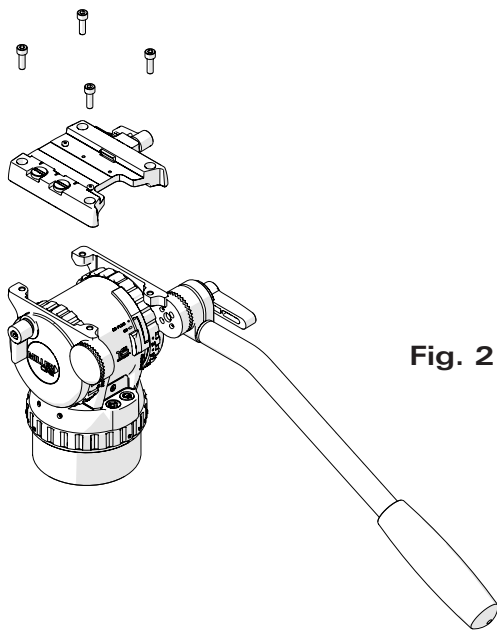


Fig. 2

Flat Base Adaptors

All adaptors must be assembled using the supplied M5 x 12 Socket Cap Screws and a 4 mm Hex key.

Tighten securely and do not use alternative length screws.

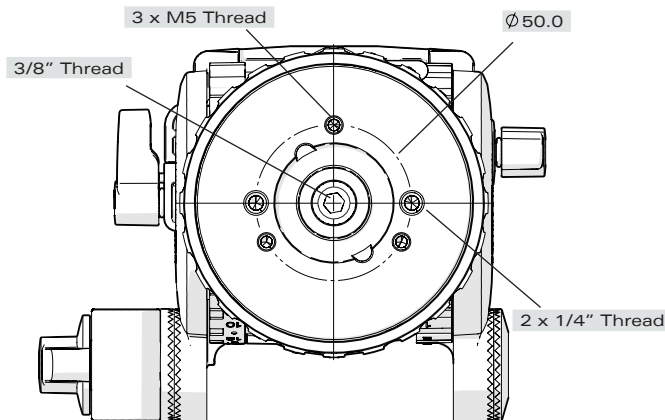
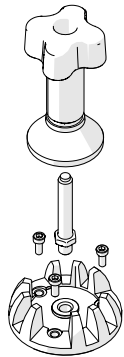


Fig. 3

Assembly

To Suit
75mm Bowl



To Suit
Ø100mm Bowl

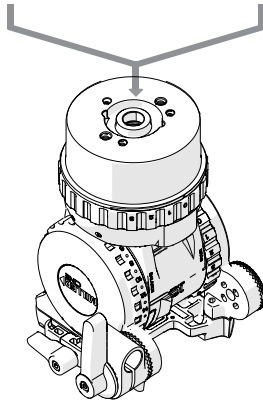
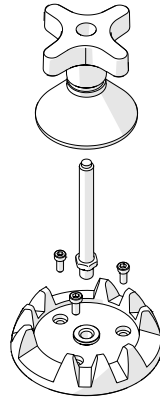


Fig. 4

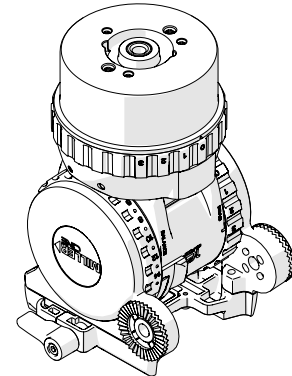
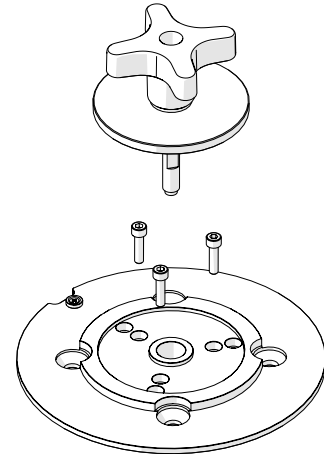


Fig. 5

Operating Instructions

2. Mounting Your Camera

2.1 Remove the CAMERA PLATE by lifting the SAFETY RELEASE LEVER on the PLATFORM (SLIDE LOCK LEVER must be unwound (clockwise)) (Fig. 6a).

2.2 Attach the CAMERA PLATE to the camera¹ such that the Centre of Gravity (C of G)² mark on the camera is approximately in the middle of the camera plate.

2.3 Tighten PAN/TILT LOCKS, mount the CAMERA PLATE to the PLATFORM non-locking side first. The side load lock mechanism will capture camera plate (distinct click sound will be made when CAMERA PLATE is retained). CAMERA PLATE will be able to slide freely until SLIDE LOCK LEVER is tightened.

2.4 Release TILT LOCK, slide the CAMERA PLATE such that the camera's C of G is directly above the centre axis of the Fluid Head (fig. 6b), camera should be balanced (if not slide camera backward or forward). Once balanced tighten the SLIDE LOCK LEVER (anti-clockwise)³ and tighten TILT LOCK.

If this cannot be achieved then reposition the CAMERA PLATE on the Camera – step 2.2.

NOTES:

¹Refer to the camera's owners manual for correct method of attachment to the CAMERA PLATE. Remove the 1/4" screw or 3/8" screw or 1/4" Pin (#1201 Camera Plate only) as required.

²The camera's C of G can be estimated by placing the camera on to a round rod and then shifting it backwards or forwards until a balance point – C of G - is achieved. It is recommended to identify this point on the camera as it will be useful in step 2.2.

³Ensure SLIDE LOCK LEVER is tightened at all times when you are not finding C of G or mounting/dismounting camera.

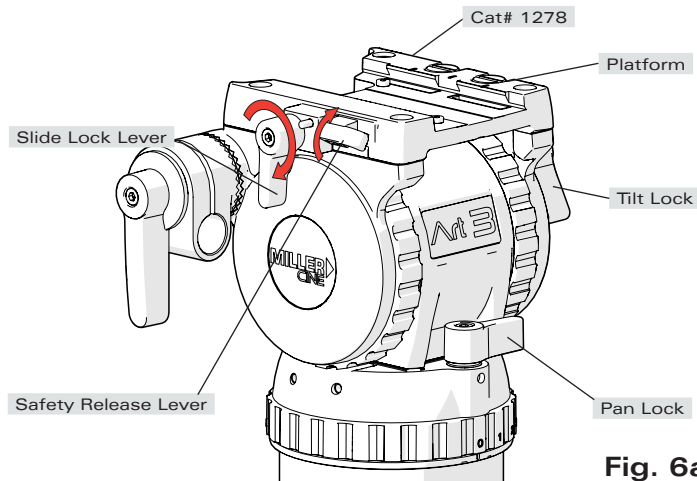


Fig. 6a

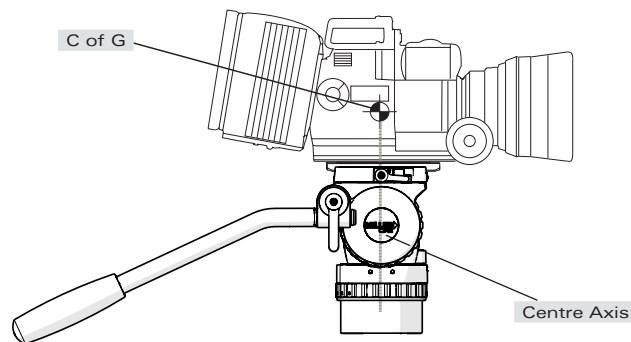


Fig. 6b

Operating Instructions

3. Counterbalance Control

The counterbalance system was designed to neutralise the effect of the camera weight when it is tilted. The ArtX Fluid Head offers a 15 position counterbalance system which is operated with the CB SELECTOR RING and the CB PLUS SELECTOR (Fig. 7). With ArtX it is also possible to disengage counterbalance (position zero),

NOTE:

Be careful when disengaging counterbalance as you could damage your equipment with an unwanted tilt drop.

The CB SELECTOR RING and the CB PLUS SELECTOR must be operated when the BASE PLATE is in a horizontal position.

After changing the counterbalance setting it may be necessary to tilt the camera back and forth to ensure that the CB spring has engaged.

- 3.1 For safety it is generally better to start at a higher counterbalance position (e.g. position 14) and work your way to the correct setting, this is to reduce any chance of unwanted tilt drops (Fig. 7).
- 3.2 Hold the camera and release the TILT LOCK, then gently tilt the camera from the horizontal position forward then backward and observe its response. If the camera 'springs back' to the horizontal position then a lower counterbalance setting is required, use the CB SELECTOR RING to cycle through all even number positions (eight positions including zero).
- 3.3 Finer adjustments can be made by engaging the CB PLUS SELECTOR (upward direction).
- 3.4 Correct counterbalance setting has been achieved when the camera does not spring back or drop when pan handle is released.

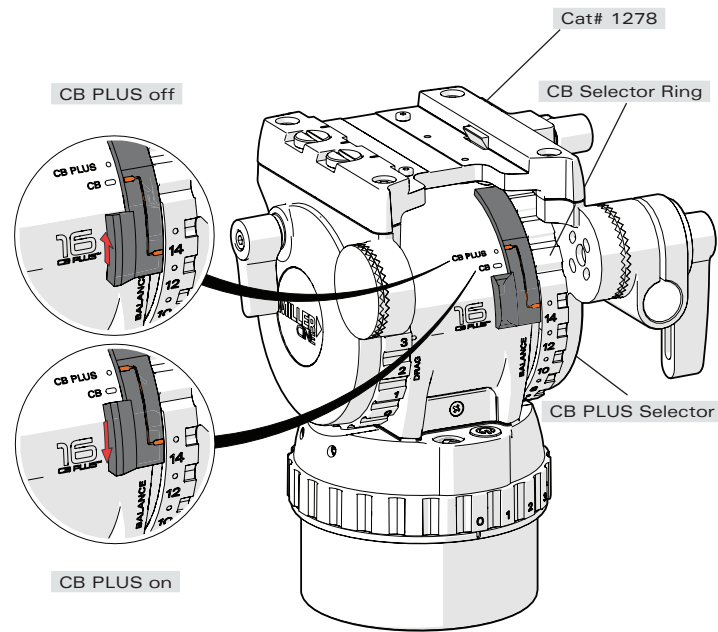


Fig. 7

Operating Instructions

4. Pan/Tilt Drag Control

The ArtX Fluid Head offers selectable positions of fluid drag in the Pan and Tilt (including zero positions). The settings are equally stepped from lighter drag in position 1 up to heavier drag in position 3 on ArtX 3 and ArtX 5 models and position 5 on ArtX 7, the drag plates are completely disengaged in position zero.

- Do not pan or tilt the Fluid Head whilst adjusting PAN or TILT DRAG CONTROL or whilst the PAN and TILT DRAG CONTROL is between settings.
- The drag setting can be changed at any tilt or pan angle.

5. Pan/Tilt Lock Control

The ArtX Fluid Head offers high capacity caliper disc brake system to hold the Fluid Head in a fixed pan and/or tilt position. Camera position will not change when applying or releasing the Pan-tilt locks.

- Do not pan or tilt the Fluid Head whilst the PAN or the TILT LOCK is partially applied.

6. Illumination

The ArtX Fluid Head offers illumination of the BUBBLE LEVEL when the low ambient light conditions exist. Illumination can be achieved by pressing the LED BUTTON once. The light will switch off after 10 seconds.

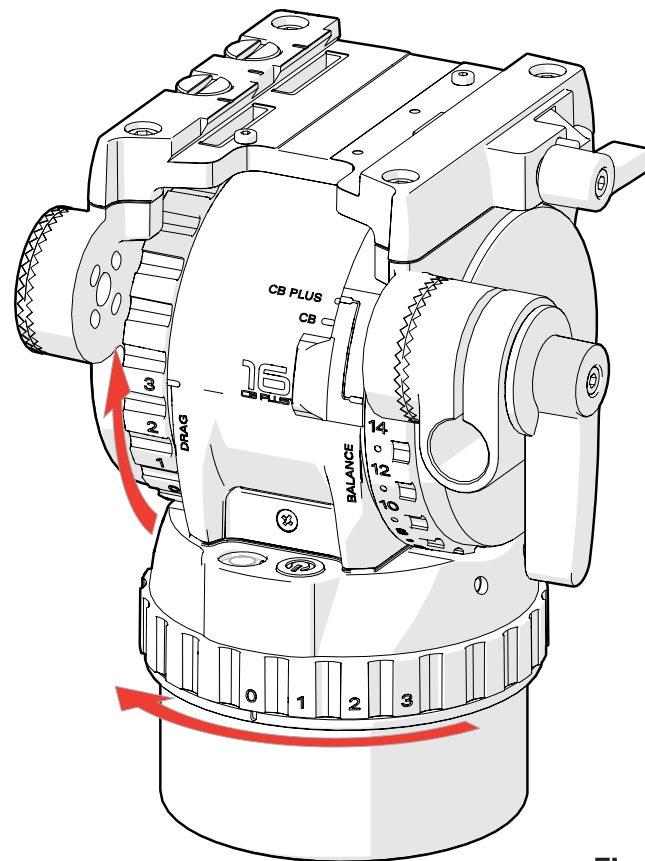


Fig. 8

Maintenance

The ArtX Fluid Head offers high quality surface coatings, dust and moisture seals. Miller recommends keeping the Fluid Head clean at all times by using soft brushes and lint free cloth to wipe over the surfaces.

- Do not immerse the Fluid Head in any liquid.
- Do not use stiff brushes, abrasives, harsh detergents and solvents.

Battery Replacement

The ArtX Fluid Head uses a single 11A type - 6 Volt battery for Illumination. Miller recommends the following batteries to provide long life performance - GP11A, Duracell MN11 or Vinnic L1016.

1. Using a Phillips Head #1 screw driver, remove the RETAINING SCREW and the BATTERY COVER.
2. Using a small flat screw driver remove the battery.
3. Align the new battery as shown on the back of the BATTERY DOOR and place into the BATTERY HOUSING, then push down the battery into place. A small flat screw driver may be used to push down the battery into the BATTERY HOUSING.
4. Align the BATTERY DOOR into the body then tighten the screw lightly.

Storage

The ArtX Fluid Head can be stored for extended periods; Miller recommends storage in a Miller case and the following:

- Clean the external surfaces.
- Keep in a dry place away from direct sunlight.
- Loosen off PAN & TILT LOCK.

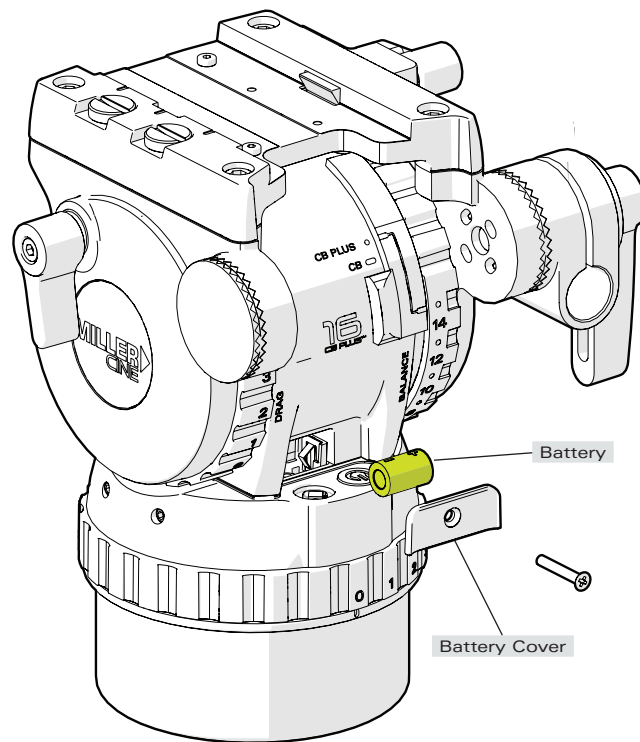


Fig. 9

Options & Accessories

CAT#	Product Name
3940	Versa Kit - 75mm claw ball, 679 pan handle, and Versa base plate
3942	Miller Kit - 75mm claw ball, 679 pan handle, and Miller base plate
3943	Versa Kit - 100mm clawball, 679 pan handle, and Versa base plate
3944	Miller Kit - 100mm claw ball, 679 pan handle, and Miller base plate.
679	Pan Handle - Fixed - with Black Handle Carrier to suit ArtX
696	Pan Handle - Telescopic - with Black Handle Carrier to suit ArtX
1276	Miller Camera Platform Side Load (CX Miller) to suit CompassX, ArtX Fluid Heads (comes with Miller 1205 camera plate)
1278	Versa Camera Platform Side Load to suit CompassX, ArtX Fluid Heads (comes with Versa 1201 camera plate)
1201	Versa Camera Plate Ass'y (to suit 1278 Versa base plate)
1205	Standard Camera Plate (60mm sliding range) including 1/4" & 3/8" screws to suit ArtX 1276 Platform
1236	Serr. Handle Clamp Extension (D36 Arri) (CX ArtX) to suit CompassX, ArtX Fluid Heads
1238	Serr. Handle Clamp Extension (Miller) (CX ArtX) to suit CompassX, ArtX Fluid Heads
1248	D15 Sleeve adaptor to suit D15 small rig rods
1222	Arri Mounting Adaptor (CX ArtX) to suit CompassX and ArtX Fluid Heads
1255	Accessory Mounting Block Kit (CX ArtX) to suit CompassX and ArtX Fluid Heads
1270	Accessory Mounting Block Arri Kit (CX) to suit CompassX and ArtX Fluid Heads
1288	D75 Claw Ball Level to suit ArrowFX, CiNX and ArtX Fluid Heads
1290	D100 Claw Ball Level to suit ArrowFX, CiNX and ArtX Fluid Heads
PN14222	1/4" Camera Screw (long) to suit Versa 1201 Camera Plate
PN14223	3/8" Camera Screw (long) to suit Versa 1201 Camera Plate
PN14224	3/8" Screw to 1/4" Pin (#1201 Camera Plate only)

Service, Sales and Support

Miller Authorised Service Agents must carry out all service and repair work. Failure to observe this requirement may void warranty.

It is advisable to notify Miller or a Miller Authorised Service Agent if a change of performance is observed as a result of dropping or rough usage. For information regarding sales and service of Miller products or for your nearest Miller representative please contact us via our website or at the following:

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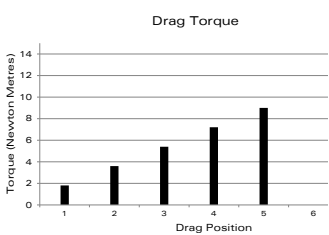
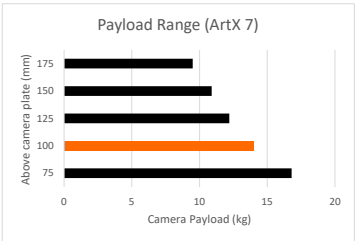
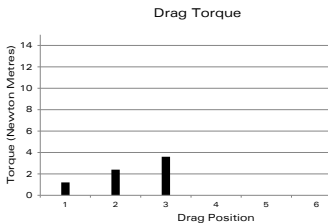
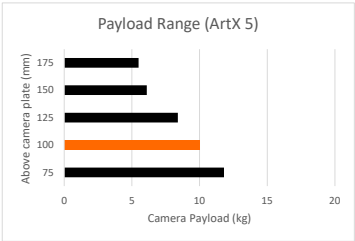
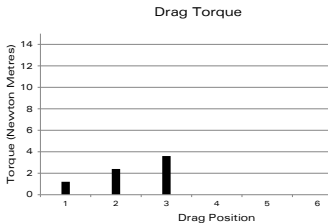
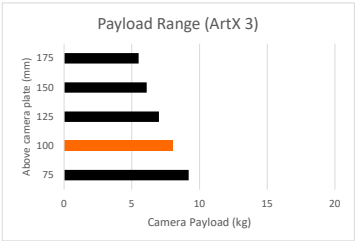
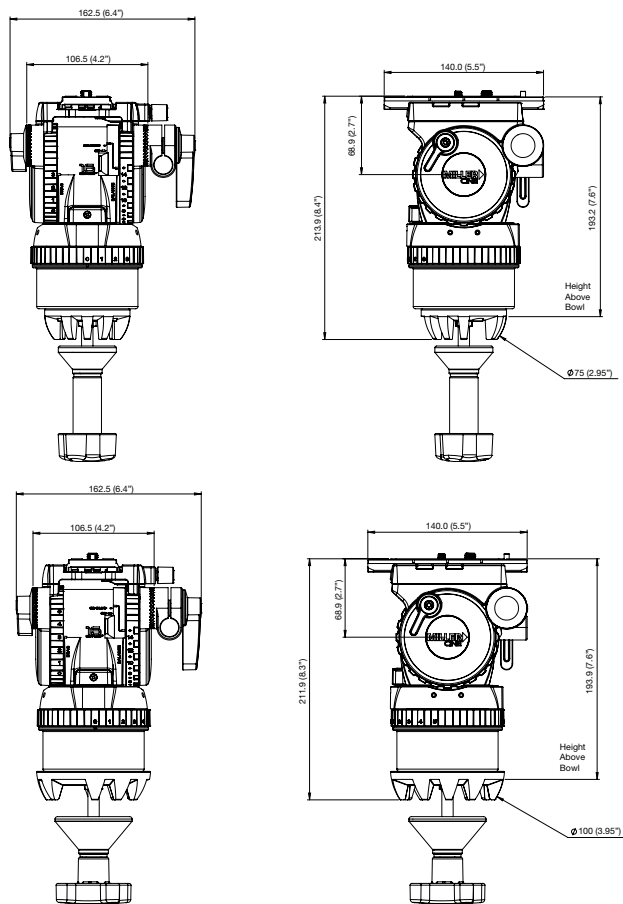
sales@millertripods-europe.com

millertripods.com

Specifications

	1114 ArtX 3	1116 ArtX 5	1118 ArtX 7
Weight (naked head only)	2.2kg (4.8lbs)	2.2kg (4.8lbs)	2.4kg (5.28lbs)
Payload range	0-8kg (0-17.5lbs)	0-10kg (0-22.0lbs)	0-14kg (0-30.8lbs)
Pan-tilt drag	3 selectable fluid drag positions + 0	3 selectable fluid drag positions + 0	5 selectable fluid drag positions + 0
Drag max. torque	3.5 Nm	3.5 Nm	9 Nm
Pan range	360°		
Pan-tilt locks	Positive lock caliper brake system		
Tilt angle	+90°/-75°		
Counterbalance	16 selectable positions (0 +15 position)		
Camera Platform	Quick Release Side Load		
Sliding Range	60 mm (2.5") - # 1205 (Miller) 105 mm (4.1") - # 1201 (Versa)		
Height above bowl	202 mm (7.9") – on Ball Level Adaptor 197 mm (7.8") – on Mitchell Base Adaptor		
Mounting base	Centre 3/8", 2 x ¼" and 3 x M5 threads for flat base or ball levelling adaptor mounting		
Illuminated controls	Bubble Level		
Temperature range	-40° to +65°C (-40° to +149°F)		
Pan Handle	LH & RH Side Mount		

Mechanical Specifications



Compatible Tripods



420 Toggle 75 2-stage (alloy)



420G Toggle 75 2-stage (alloy)



440 Toggle 75 LW tripod (alloy)



440G Toggle 75 LW tripod (alloy)



402 Toggle 100 2-stage (alloy)



402G Toggle 100 2-stage (alloy)



2500 Solo-Q 75 2-stage (CF)



2505 Solo-Q 75 3-stage (CF)



2515 Solo-Q 100 2-stage (CF)



2520 Solo-Q 100 3-stage (CF)



1620 Sprinter II 75 2-stage (CF)



1620G Sprinter II 75 2-stage (CF)



1589 Sprinter II 100 1-stage (CF)



1589G Sprinter II 100 1-stage (CF)



1580 Sprinter II 100 2-stage (CF)



1580G Sprinter II 100 2-stage (alloy)



1576 Sprinter II 100 2-stage (CF)



1576G Sprinter II 100 2-stage (alloy)



millertripods.com

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Quality
ISO 9001

