BARTRUSS

- All bolts are factory treated with Loctite 243.
- Initially the Bartruss may creak.This is caused by the truss settling.
- It is recommended to regularly check and tighten the M6 bolts in the corners
- If ever a Bartruss does not seem to be straight,it can be straightened using the following procedure:
- 1 Loosen all the M6 bolts in the Bartube.
- 2 Assemble the Bartruss which needs straightening between
- two good (straight) Bartrusses.
- 3 Using a laser pointer the three Bartrusses can be aligned, if
- necessary with use of a deadhammer.
  4 Fully tighten all the M6 bolts, possibly with Loctite.

It is possible that after 40-50 setups the tube connectors of the Bartruss come loose. If required these can be glued in place with Loctite 603 and an activator. For this a specific procedure must be followed. On request we can mail you the procedure
Careful handling(particularly of the connectors)will prolong the lifetime.
Check the thread on the Centrebolts before each setup. If in any doubt these should be changed(cost-75 euro)and the old ones returned to us for evaluation.
When greater distances are bridged,heavy loads are used or fast movements are made,we recommend the use of extra ratchet straps to increase the rigidity of the construction.

For transport use the round cases supplied, or alternatively the Bartruss stackers (an optional accessory available from SGS)
The Bartruss is a self supporting construction.Any damage to the Bartube or a Centrecross has consequences on the strength of the rig.

- When assembling the construction,be carefull not to expose the Bartruss to excessive torque.
- In case of longer term setup, loosen then re-tighten the Centrebolts before each use. After each use, and for long rest periods, release the tension on the Centrebolts.This is to avoid expansion and contraction forces which may occur due to temperature changes.

TwinDolly

- Using common sense nothing can go wrong.
- Whenever possible use Tip Protection. (fig 1)
- Always use clamps or junior studs as end stoppers if our end-stops are not available.
- The side wheels of a TwinDolly/TrussDolly are mounted on offset axles. This makes it possible to adjust the
- trackwidth 6mm per axle, thus 12mm per TwinTube or truss. Remember to use the same setting for each axle, otherwise the dolly will run obliquely along the rails.

For adjustments use the following procedure:

1. Loosen the allen bolts of the wheel sets half a turn.
2. Use a 13mm wrench between the wheel and the dolly to turn the axle to the desired position. (fig2)
3. When the desired position is achieved re-tighten the axle with an allen key.
4. Check that the dolly can run freely in a straight line without play but also without too much pressure.
5. If the wheels are over tightened flat spots can occur resulting in a bumpy dolly movement.
6. If the wheels are too loose there will be play in the dolly which will be felt with camera pans.

- When using wider truss or rigging,the offset axles can be placed in the outside holes.(fig 3)
- The hinged arm is intended to hold BNC or power cables at a comfortable distance from the dolly.(fig 4)
- The Twin Dolly can also be used as Hi Hat or Low Bowl. When doing this insure that no dirt gets into the bearings.

- When using as TrussDolly be sure to fully loosen the brake. If in doubt you can remove the brake by loosening the two allen bolts.
- Assembly of our current 4-way-leveler still requires some work. One tip is first to turn the three bolts of the leveler-head maximum out and the remaining bolt fully inwards before starting to assemble.

General Remarks

- All bolts are factory treated with Loctite 243
- The TwinDolly/TrussDolly can be fitted with(adapted)Panther bowls (100mm/150mm) and with our own 4-way-leveller.
- An adaptor is available for attatching the bowl under an angle, making it possible to keep the camera level whilst making diagonal shots. For this you must remove two opposite allen bolts,and loosen the remaining allen bolts. (Diagram delivered with adaptor)

- The top wheels of a TWD/TRD have a diameter of 62mm and hardness of 78A. The side wheels and the wheels of a TRB have a hardness of 94A. After much experementation this seems to be the best combi.

TrussRoundBracket

- The wheels of a TRB have a diameter of 62mm and a hardness of 94A.
- All bolts are factory treated with Loctite 243.
-

Using assemled before hanging on (Bar)Truss

-

1 Adjust the side wheels of the TWD as described.
2 Turn the brass height adjustment wheels of the TRB maximum inwards.(fig 1)
3 Slide the TWD into the slot of the Truss Round
4 Locate the holes for the locking Knobs(fig 2) and turn them in a couple of turns. At this stage they must be in place but absolutely not tightened.
5 Turn the height adjustment maximum out.
6 Hang the TRB+TWD on a Bar Truss or normal triangle truss.
7 Now turn the height adjustment wheels inwards taking care that the same number of turns is made on each adjustment wheel.
- 8 When the height adjustment is optimal,the locking knobs can be fully tightened.
-

- Using while assembling on (Bar)Truss
- 1 Adjust the wheels of the TWD maximum outwards as described..
2 Turn the brass height adjustment wheels maximum outwards.(fig 1)
3 Hang the TRB over the Bar Truss or rigging truss.
- 4 Take the TWD at the same height as the Tip
- Protection and hang it between the sides of the TRB on the truss. Rotate the Tip Protection and let the TwinDolly hang on it.
5 Locate the holes for the locking Knobs(fig 2) and turn them in a couple of turns. At this stage they must be in place but absolutely not tightened.
6 Turn the height adjustment maximum in. Make sure
- that each knob makes the same amount of turns.

- 7 When the height adjustment is optimal,the locking knobs can be fully tightened.
8 Now adjust the wheels of the TWD to an optimum as described..

TwinTube

- Using common sense nothing can go wrong.
- Always use clamps or junior studs as end stoppers.
- Twin Tube is available in lengths of 150 cms, 120 cms, 100 cms, 80 cms and 50 cms.
- A junior stud with 3/8" thread is delivered with each Twin Tube.
  The centre holes of TwinTube sleepers are tapped with 3/8" thread. This makes it possible to use a bowlleveler (for example from a carmount) in combination with a camera tripod.
- The junior stud screwed to the underside of a Twin Tube is intended for use in a lamp stand / junior-tripod.
- The fact that 3/8" thread is used on the underside of the TwinTube makes it possible to use a smaller brass spigot or lighter stands such as Manfrottos.
- A TwinTube needs supporting under every other connection.Thus 3 sections require 3 points of support.
- A junior stud can also be screwed in the last sleeper of the TwinTube as end stopper.
- The best place for the junior stud during transport is in one of the holes at the crosstie. Be aware however that these holes are M10 and not 3/8".
- When setting up specially when tightening the TwinTube, regularly check that the connection joints are sitting snuggly together under the load to be used. Should this not be the case then turn the centrebolts tighter rather than loosening them. Take a peak along the TwinTube to check wheater the pieces are lined up properly.
- For some occasions it is needed that the crosstie's needs to be removed. This can be done simply by loosening the alen-bolts.
- Prevent the connected set of TwinTubes from bending: the design is in this way that it can take a heavy payload from top. If you transport the TwinTubes to an other setup make sure that you carry either with two persons, one on each end, or with one person lifting the middlest track upside-down. If you do this not the proper way the

  All bolts are treated with Loctite 2701 before leaving the factory.