

general information about handling SMT Rigs

VERS. 4.1 AUG 2022



- **ASSEMBLY:**

Our Rigs come preassembled, greased and tested.

They always include a M8 Nut, 2 Washers and a Clamp Ring.

All you have to do is to mount the Rigarm to your preferred Base. To do this screw the M8 rod of the lower joint into the Rig-Base, Rig Mounting plate or the Rig Mounting pin. If you have Problems doing so - tighten the lower joint and use the rig-arm as a tool. The washers have to be placed like this between the Mounting Object and the M8 Nut: M8 Nut → Washer1 → Washer2 → RIG-Base / Rig Mounting plate / Rig Pin

Once the M8 Rod is fully screwed into the base use a wrench to counter the Nut towards the Disc. Now the threaded rod is locked / secured against turning.

The Clamp Ring is optional and should only be used if you have problems securing the Rig without it.

If you need to use it, do it this way:

M8 Nut → Washer1 → Clamp Ring → Washer2 → RIG-Base / Rig Mounting plate / Rig Pin

IMPORTANT for Rig-Base users:

Rig Base 2.0 and 2.1 have a painted surface.

The Washer has a sharp edge on one side and a round edged on the other side. Make sure the Washer always is touching the painted surface with the round edged side. Otherwise the sharp edge can cut into the paint and damage the surface.

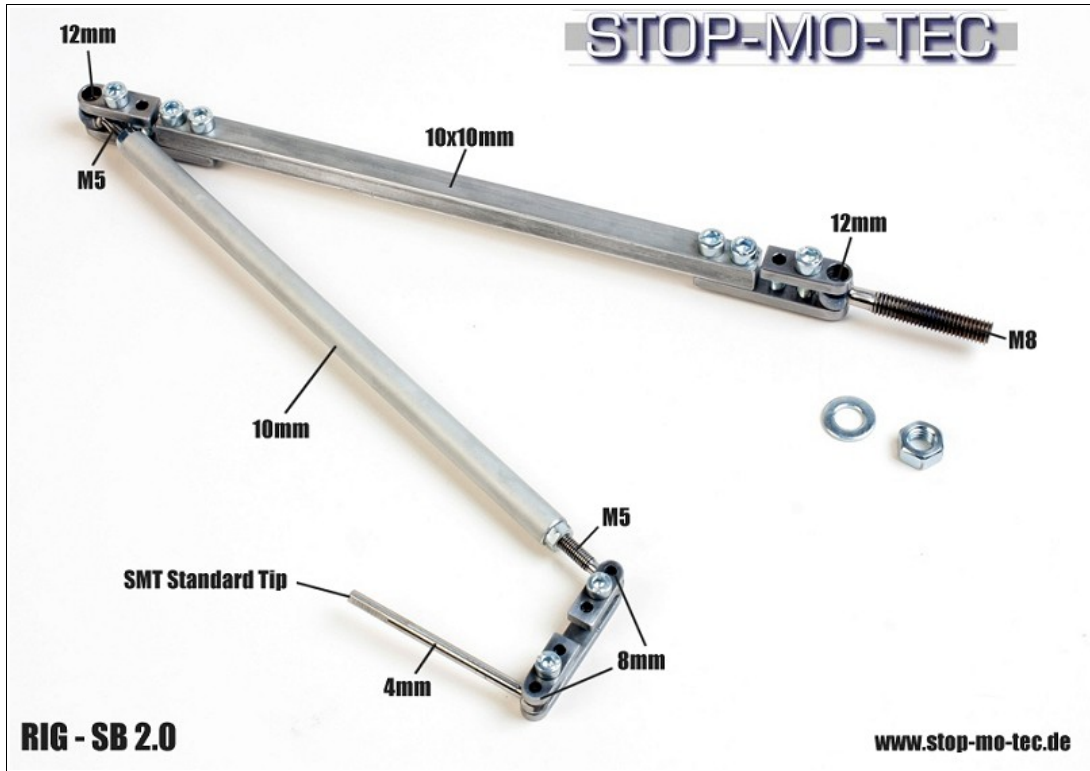
If you prefer a round shaped edge facing towards the Rigarm / Nut towards just use two washers one facing with the round edge towards the paint, the 2nd one facing with the round edged layer away from the paint - both washers then touch with the sharp edged side.

RIG Base 2.0: Use your finger to feel thru the Felt layer of the base to make sure not to screw the M8-Rod too far into / thru the Base. The M8-rod should not reach out of underside of the base. If this happens the base will rock over the Rod peaking out of the base.

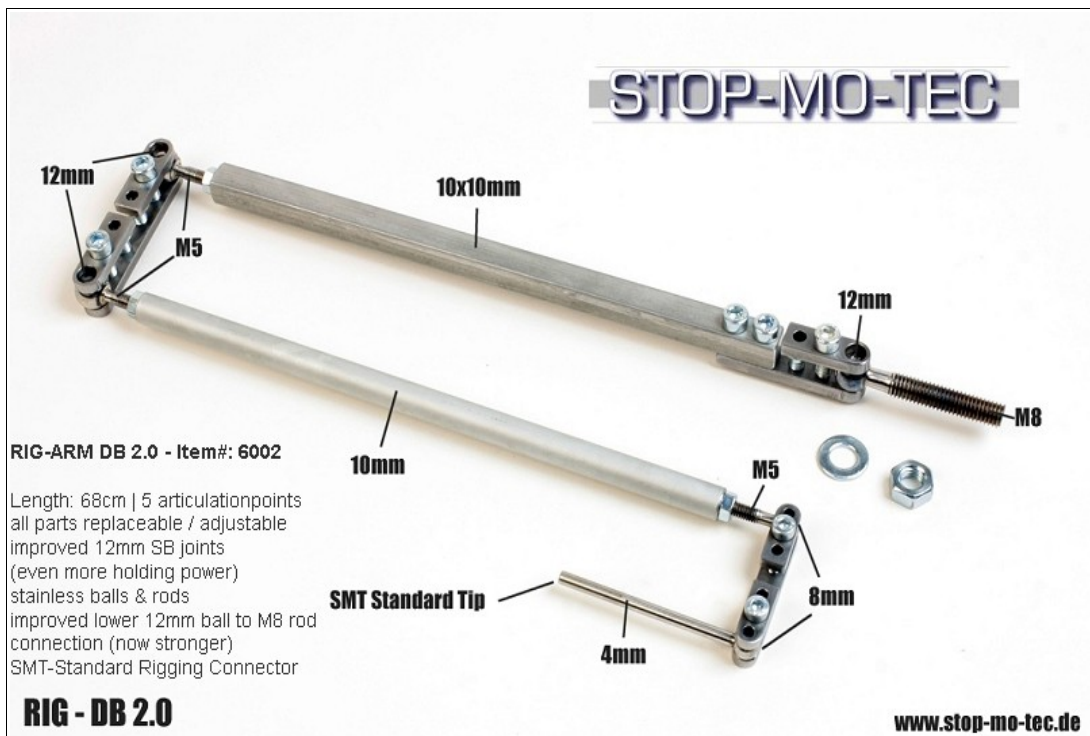
RIG Base 2.1: the Felt Layer is open around the M8 Thread so you can see how deep the M8 Rod is screwed into the Base

USING THE RIG

- To grease the joints heavy bee's wax works best, just rub or melt it onto the ball and / or the sockets. Another way is to mix some graphite powder with bees wax. This will grease the rig even more. Notice: the more you grease a joint the less weight it will be able to hold !
- Never try to get an over-greased joint to hold it's position by over-tightening it. If joints are tightened down with brutal force. chances are the steel joint plates bend and buckle out, if this happens the joint becomes useless
- All Parts of the Rig are exchangeable. Contact us in case you need a Sparepart.
- The base Joint always has to carry the most weight, therefor be careful with greasing it, less is more here
- Use a Q-TIP with some alcohol, acetone etc. to clean the sockets if necessary
- To prevent unwanted movement of the Rig it is recommended to **use Tie Downs**.
One method is to clamp the rig base onto your set using a c-clamp. To tie down the Rig deeper in the set you can use Magnet or M4 tie downs. Older Rigs with round 1,25kg base discs do not come with integrated M4 tie down thread. To tie down older versions of our rig you can use the Stop-Mo-Tec Rig Tie-Down set which is sold separately (ITEM#: 6003)
- Sometimes **sliding the rig** with a lifted puppet around your set instead of moving the rig-arm can be a good thing to do. The rig is mainly constructed to lift items in vertically direction. If you attach rather heavy items and extend the rig-arm in horizontal direction from the base-disc the leverage of the rig arm can make the base joint to loose it's position.
The new Rig-Base 2.0 is rectangular shaped which allows to slide it along reference lines or guide-rails
- If you need to **lift an object higher than the rig** can reach you can place it on a higher spot by supporting it with a small wood construction for example. Now you can have the rig arm reach down and the lifting range can almost be doubled. Alternatively use our Rig-Mounting-Pin and super-clamp to attach the rig to your set-frame, light-stand, table, poles etc. The mounting pin & super-clamps are sold separately. If you use the super-clamp on a square diameter pole or rail you can slide the rig back and forth without the clamp turning around the rail
- SMT SB2.0 & SMT DB2.0: you can use a 10mm Wrench as a lever to rotate the 10x10mm aluminum profile (lower limb) around itself.
This will give you good grip and control for small moves (small increments). If you use a rig covered with black shrink-tubing to avoid unwanted reflections use a 11mm or 12mm wrench.
- If you have the rig sitting around for a longer time while joints are tightened the joints can slightly start to lock so they will start a first movement with a small "jump". After that they will move just fine again. Having Joints „jump“ during shooting is not much fun therefor always **do a little "warm up" before you start** shooting to make sure the joints did not "lock" by simply moving the rig around to check all joints move okay.
- Contacts us if you have Questions



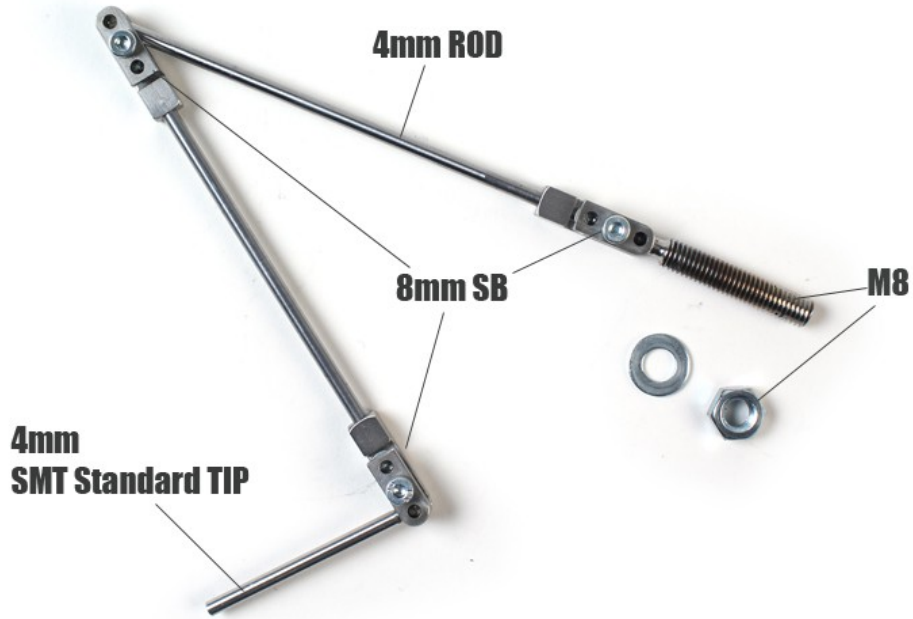
SMT SB 2.0 | Item#: 6001 | Length: 63cm | 4 articulationpoints | all parts replaceable / adjustable | improved 12mm SB joints (even more holding power) | stainless balls & rods | improved lower 12mm ball to M8 rod connection | SMT-Standard Rigging Connector / tip



SMT DB 2.0 | Item#: 6002 | Length: 68cm | 5 articulationpoints | all parts replaceable / adjustable | improved 12mm SB joints (even more holding power) | stainless balls & rods | improved lower 12mm ball to M8 rod connection (now stronger) | SMT-Standard Rigging Connector / tip

RIG - SB-3AP

STOP-MO-TEC



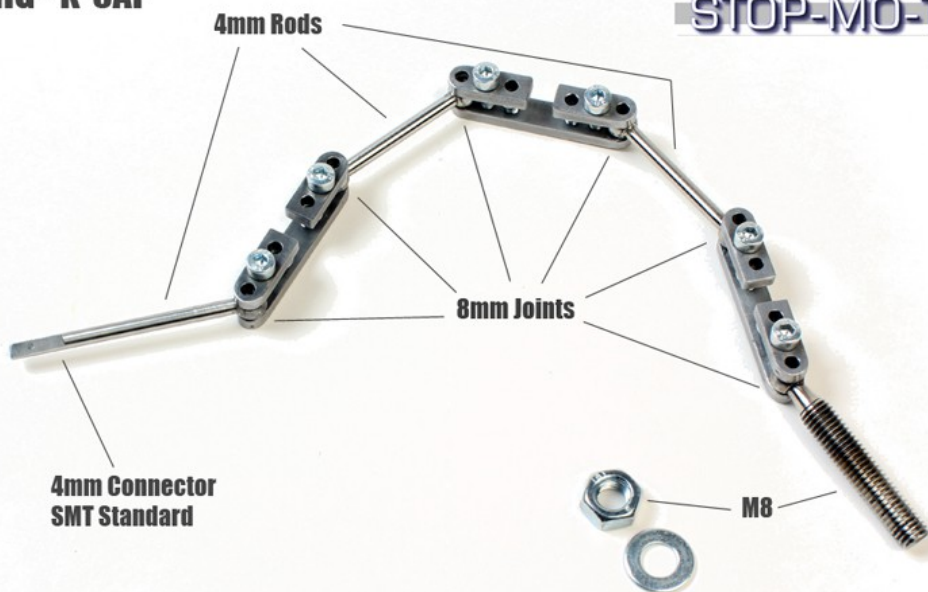
www.stop-mo-tec.de

SMT SB-3AP | Item#: 6501

Length: 39cm | 3 articulationpoints | all parts replaceable | 100% stainless steel
SMT-Standard Rigging Connector / tip

RIG - K-6AP

STOP-MO-TEC



www.stop-mo-tec.de

SMT K-6AP | Item#: 6502

length: 32cm | 6 articulationpoints | all parts replaceable | stainless steel balls & rods |
SMT-Standard Rigging Connector / tip



RIG Anti-Reflection COATING
Item#: 6007



RIG-BASE 2.1
Item#: 6008



RIG MOUNTING PLATE 1.0
Item#: 6009



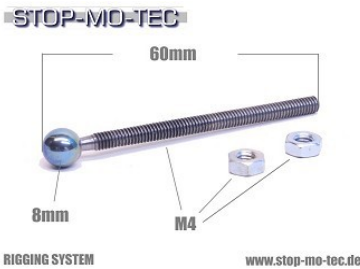
RIG MOUNTING PIN für Superclamp (M8)
Item#: 6004



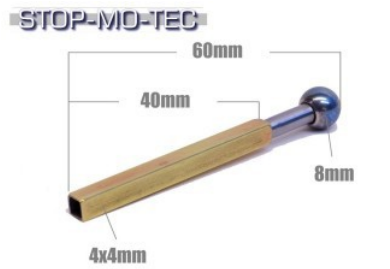
RIG SUPERCLAMP
Manfrotto 035 Super-Clamp
Item#: 6005



JOINT WAX
Item#: 6100



SMT RIGGING TIP #3
universal M4 rigging Connector
Item#: 6030



SMT RIGGING TIP #2
SMT 4mm Square Brass Connector
Item#: 6011



RIGGING SLOT
SMT 4mm Konnektor
Item#: 6010



Universal TIE-DOWN Set M4
Item#: 4003
for RIG BASE 2.0 / 2.1 -



TIE-DOWN Neodym Magnet N35 190N
Item#: 4020



RIG TIE DOWN Set
Item#: 6003
for round Base (old)

SMT RIGGING TIP #3



connects to
M4 Tie-Down



SMT Rigging Disc
Item#: 6034



SMT Rigging Clamp
Item#: 6035



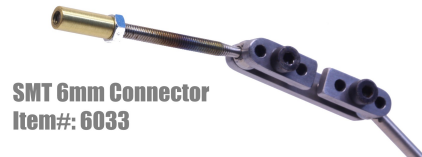
90° FORK

SMT RIGGING PIN 90°
ITEM#: 6032



STRAIGHT FORK

SMT RIGGING PIN STRAIGHT
ITEM#: 6031



SMT 6mm Connector
Item#: 6033

STOP-MO-TEC
www.stop-mo-tec.de