

Operator's Manual

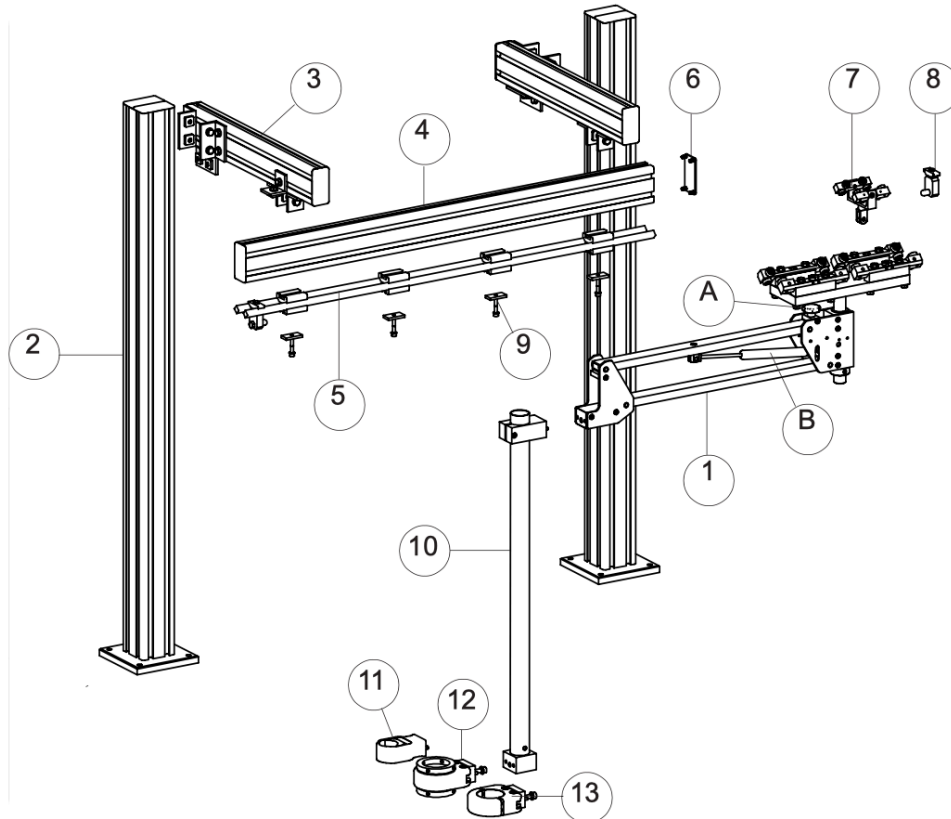
PR-50 Rail Supported Arm



Overhead mounted Rail Supported Arm, including carriage. Made of anodized aluminum with shafts of steel. PR-50 is designed for elimination of reaction force and balancing of static load.

Capacity

Max torque _____ 50 Nm
 Max load (depending on gas chock configuration) _____ 10 kg
 Reach from rail _____ +/- 500 mm
 Recommended vertical stroke _____ 250 mm

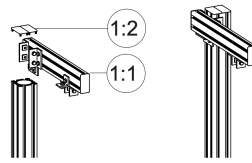


1 - Rail Supported Arm PR-50-0500	A - Gas Chock	7 - Cable Trolley _____ TRO-8040
PR-50-0500-0102 _____ 1 - 2 kg _____	GSP-180N	
PR-50-0500-0204 _____ 2 - 4 kg _____	GSP-280N	8 - End Stop _____ EST-8040
PR-50-0500-0405 _____ 4 - 5 kg _____	GSP-400N	
PR-50-0500-0506 _____ 5 - 6 kg _____	GSP-220N (2 pcs)	9 - Arresting Kit _____ AKI-MC6S06X040-1
PR-50-0500-0608 _____ 6 - 8 kg _____	GSP-280N (2 pcs)	
PR-50-0500-0810 _____ 8 - 10 kg _____	GSP-400N (2 pcs)	10 - Extension Tube _____ TEX-75
2 - Pillar _____ (80x40mm) _____ BST-080x040x1300		11 - Adjustable Vertical Holder _____ ATH-4050-75
_____ (80x80mm) _____ BST-080x080x1300		_____ ATH-5060-75
3 - Offset Beam _____ OSB-080x040x0500		12 - Fixed Vertical Holder _____ VTH-S-060
4 - Aluminum profile _____ SBE-080x040		Swiveling tool
5 - Rail _____ BRL-3412		13 - Fixed Vertical Holder _____ VTH-F-060
6 - End cover _____ ECO-8040		

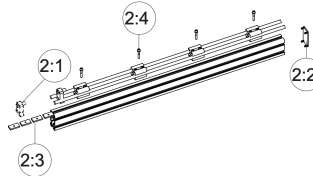


Assembly

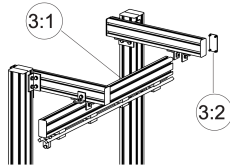
1. Fasten the two pillars. Choose screws depending on surface. Choose screws suitable for the surface material. Attach the offset beams (1:1) at the pillars. Use 13 mm spanner. End by assemble the end covers (1:2) at the pillar.



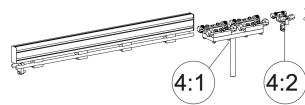
2. Attach one of the end stops (2:1) at the rail. Use 10 mm spanner. Mount one of the end covers (2:2). Slip the nuts (2:3) into the aluminum beam. Attach the screws through the holes in the rail (2:4) and into the nuts in the aluminum beam. Use 5 mm hex key.



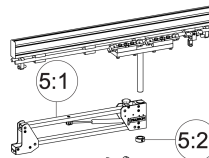
3. Attach the complete rail system (3:1) to the offset beams. Use 13 mm spanner. Assemble the next plastic end cover (3:2) at the other side of the aluminum beam.



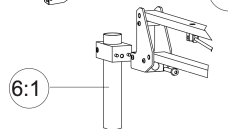
4. Slip the rail carriage (4:1) and the cable trolley (4:2) into the rail. End by attaching the second end stop.



5. Slip the parallel part (5:1) at the shaft of the carriage. Fix the set collar (5:2). Use 4 mm hex key.



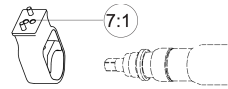
6. Attach the extension tube (6:1) to the parallel front part. Use 6 mm hex key.



7. Attaching the tool to the tool holder.

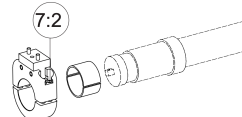
Adjustable holders:

Place the tool holder onto the tool and tighten the setscrew (7:1). Use a 4 mm hex key.



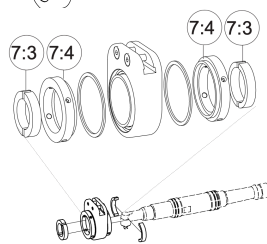
Fixed holders:

Loosen the screws (7:2) holding the tool holder together. Use a 6 mm hex key. Place the tool holder onto the tool with the step down sleeve in between. Tighten the screws.

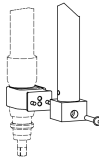


Holders for a rotatable tool:

Slip the parts on the tool as shown in the picture. Finally assemble the step down sleeves (7:3) inside the set collars (7:4) - this should be done when the tool is attached at the right place to the holder. Tighten the setscrews at the two set collars. Use a 4 mm hex key.



8. Tighten the holder with the tool to the extensions tube. Use 6 mm hex key.

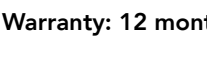
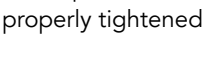
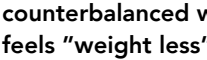
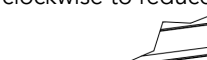
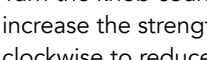
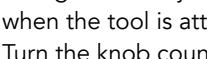
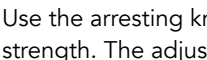
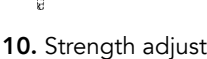
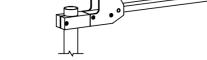
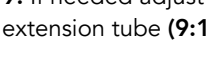
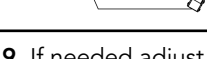
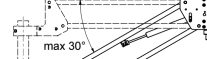
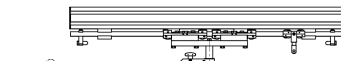


Restrictions of the Folding Arm

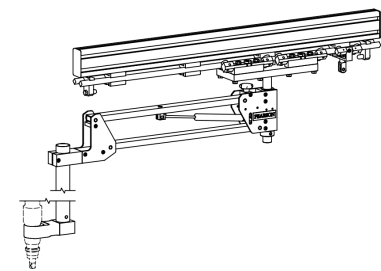


CAUTION

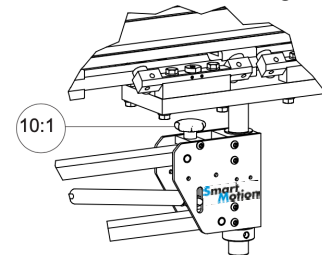
Avoid operations more than 60° from rail. Otherwise there is a risk mobile parts will move out of position.



9. If needed adjust the length of the extension tube (9:1). Use 5 mm hex key.



10. Strength adjustment of the gas shock. Use the arresting knob to adjust the strength. The adjustment should be done when the tool is attached to the arm. Turn the knob counter clockwise to increase the strength. Turn the knob clockwise to reduce the strength.



The Rail Supported Arm is correct counterbalanced when the equipment feels "weight less" to operate.

11. Inspect that all mentioned screws are properly tightened before use.

Warranty: 12 months



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CAUTION
A Rail Supported Arm without a tool or counter force shall be handled with caution. The force from the gas spring can make front part launch with high

Maintenance

Weekly -Control the tightening of the tool and holder

Monthly - Control the tightening of the gas spring and the counterbalance.

Control tightening of the set collar on the wall bracket or table stand.

Yearly: Control shafts, bearings and screws, they should be whole and tightened.