

Materials List for:

Fracture Apparatus Design and Protocol Optimization for Closed-stabilized Fractures in Rodents

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URL: <https://www.jove.com/video/58186>

DOI: [doi:10.3791/58186](https://doi.org/10.3791/58186)

Materials

Name	Company	Catalog Number	Comments
Support Subassembly			Supplementary Figure 1
Beam, Support--Jaw Section	80/20	1003 x 9.00	w/ #7042 at A, C, in Left End
Beam, Support--Horizontal Section	80/20	1002 x 14.00	
Beam, Support--Vertical 1	80/20	1050 x 10.50	w/ #7042 at A in Left End and at A in Right End
Beam, Support--Vertical 2	80/20	1010 x 10.50	w/ #7042 at D, B in Left End and at A in Right End
Beam, Support--Plate Mount	80/20	1030 x 8.00	w/ #7036 at Left End
Beam, Support--Magnet	80/20	1010 x 13.50	w/ #7042 at A, C, in Right End
Anchors (3)	80/20	3392	
Double Anchor (3)	80/20	3091	
Bolt Assembly (6)	80/20	3386	1/4-20 x 3/8"
Button Head Socket Cap Screw (6)	80/20	3604	1/4-20 x 3/4"
Ram Subassembly			Supplementary Figure 2
Block, Stop	Custom		Supplementary Figure 3
Block, Guide	Custom		Supplementary Figure 3
Rod, Ram	Custom		Supplementary Figure 4
Alignment Screw	Custom		Supplementary Figure 5
Plate, Mounting	Custom		Supplementary Figure 6
Linear Sleeve Bearing (2)	McMaster-Carr	8649T2	
Hex Nut (3)	McMaster-Carr	92673A125	3/8-16 UNC
Socket Cap Screw (8)	McMaster-Carr	92196A108	4/40 x 3/8"
Socket Cap Screw (6)	McMaster-Carr	92196A032	4/40 x 1 1/8"
Socket Cap Screw (1)	McMaster-Carr	92196A267	10/32 3/8"
Magnet Subassembly			Supplementary Figure 7
Mount, Magnet	Custom		Supplementary Figure 8
Power Supply	McMaster-Carr	70235K23	
Foot Switch	McMaster-Carr	7376k2	
Electromagnet	McMaster-Carr	5698k111	
Wire - 10 feet	McMaster-Carr	9936k12	
Rod, Magnet	McMaster-Carr	95412A566	1/4" Threaded Rod x 7"
Corner Bracket (6)	80/20	4108	

Socket Cap Screw (1)	McMaster-Carr	92196A705	10/32 1 1/4"
Hex Nut (4)	McMaster-Carr	92673A113	1/4-20 UNC
Complete Assembly			Supplementary Figure 9
Bracket, Leg Jaw (2)	Custom		Supplementary Figure 10
Platform, Fracture	Custom		Supplementary Figure 11
Jig, Positioning-Fracture	Custom		Supplementary Figure 12
Other			
Pin Cutter	Medical Supplies and Equipment	150S	
Needles	Sigma	Z192430, Z192376	23g x 1.5" - mouse femur, 27g x 1.25" - mouse tibia