

IIHS Visibility Measurement Rig Parts and Source List						
Brand	Source	Qty/kit	Part #	Description	Position	Notes/Mods
Kanya	Kanya dealer		R04-97	40 mm Aluminum Tube		
		1		Leg Tube	Front Leg	353 mm
		1		Pelvis Tube	Hip Pivot Axis	208 mm
		1		Spine Tube	Lower Spine	240 mm Set flush to bottom of Vertical Clamp
						Adjust following lengths according to 'eye' height of camera used
		1	Neck Tube		5th Female	160 mm
		1			50th Male	266 mm
		1			95th Male	322 mm
		1			Leg ball attachment	
		4	R14-40	Threaded Insert	Top of Spine & base of Necks	Broached 5/8 square
		3			Top of neck	With M16 insert reducing to 1/4-20 female thread
		1				
		2	R04-03	T Clamp	Around pelvis & leg	
		1	R04-60	Horizontal Clamp	Around pelvis	
		1	R04-50	Vertical Clamp	Base of spine	Bore hole to index dowel pin from Clamp Ring
		1	R04-15	Clamp Ring	Base of spine	Insert dowel pin to index into Vertical Clamp
Various	McMaster Carr	2	6324K84	Nylon Adjustable-Position Handle, M8	Pelvis & Spine lock	
		1	98867A320	M8x1.25x50mm Setup Stud	Pelvis lock	
		1	98867A330	M8x1.25x70mm Setup Stud	Spine lock	
		1	91746A422	Knurled Head Thumb Screw, 1/4-20 x 5/8"	Lock inserted neck	
		2	2781T15	4"x2", 3/4" bore Polypropylene Wheel	Ends of Pelvis Tube	Face both until hub is .9125", centered axially. Use bushing to match 3/4" bore to M16 bolt shank
		3	91746A415	1/4-20x1.5" Stainless Narrow Profile Knurled Head Thumb Screw	Levelers for Stick Base	
		3	91855A520	1/4-20 Stainless Cap Nuts	On Stick Base levelers as foot	
		2	3506K25	5/8" OD 1/4" thick encased neodymium magnet	In Plastic Support Clamp	
		1	6045K31	5/8" diameter 10-24 thread Ball Knob	Handle on Plastic Support Clamp	
		1	84835A21	1/8" Dia. Press Fit Ball Nose Spring Plunger	Bosch Laser Mount	
Generic Hardware		1	9714K26	.397x.484x.009 Wave Disc Spring	Bosch Laser Mount, in Kondor pivot	Secure with cheese head screw from Kondor mount kit
		8		M8x1.25x15mm Button Head Hex Drive Screw	Spine adapter plate	
		2		M8 Flat Washer	Pelvis & Spine lock	
		2		M16x2.0x 40mm Flanged Hex Head Screw	Hold poly wheels	
		2		1/4-20x9/16" FHCS	Hold Knurled Base to Camera Base	
King Architectural Metals	Direct	1	13-30-HBL	3" Diameter Steel Sphere	End of Leg	Weld and fillet boss tangent with ball surface with M16 male thread to screw into Leg threaded insert
Kondor Blue	Direct or Amazon	4	KB-ML	MiniQR Plate Kit	Top of necks: accessory mount	For Bosch laser measure: 1 male plate counterbored for shoulder screw, wave washer, and plastic thrust bearing to allow rotation
SUNWAYFOTO	Amazon	1	DDP-64SI	Indexing Rotator w Detent	Camera base	Remove locking handle. Disassemble, remove plastic to allow free rotation.
AdirPro	Amazon	1	765	Prism Pole Level for 1-1/2" Rod	Spine	Bore to fit 40 mm Kanya spine
Machine DRO	Direct	1	ME-AN-REM-ROT	Rotary Angle Encoder and Remote Display	Obstruction Angle Measure	
CST/berger	Surveying supplier	1	06-750	Rod Level for Wood Rods	Story Pole	
Tough1	Various online	1	29-29-0-0	Horse Sure Measure Height Standard	Story Pole	Adhere 1"x5" steel plate to lower leg to meet magnets in Stick Base
Various	Amazon	1		3-20 lbs Adjustable Ankle Weight	Hold Leg in seat	
Various	Various	1		2 foot Digital Level		
Bosch	Various	1	GLM165-27CG	BLAZE 165-ft Green Laser Distance Measurer	Attach to Rig and Story Pole	
Fabricated		1		Spine Adapter Plate	Between Horiz. Clamps & Vertical Clamp	
		3		Alignment Plug	Base of Necks	5/8"x1-3/8" Stainless square stock, machine .25x45° chamfer on one long corner to meet set screw in Neck and thumb screw in Spine
		1		Pivot Collar OD: 3/8" ID: 1/4" L: .330	Pivot bushing for modified Kondor plate on Bosch laser tape mount	
		1		UHMW washer OD: 7/8 ID: 3/8 Thk: 1/16	Pivot bearing for modified Kondor plate on Bosch laser tape mount	Bore 3/16 hole to clear spring plunger
Quad Lock	Direct	1		Camera-Tripod Adapter	Mount on Camera Base	
		1		Quad Lock Case	Mount Camera to Camera-Tripod Adapter	