

End of Product Life

Tables

KEILHAUER



KEILHAUER

03 | End of Product Life Introduction

04 | Repairability and Recyclability

Anatomy of a Product

Standard Components

05 | Disassembly Instructions

08 | Recycling the Disassembled Product

09 | Materials and Components

Document Disclaimer:

This document will be reviewed, updated periodically, and is subject to change without notice. Keilhauer is not responsible for slight deviations in the data and information contained in this document. Product recyclability and material content data is calculated using base models only. Textiles and associated weights are not accounted for in the analysis. Criteria for recyclability has been assessed against available recycling facilities in at least 6 of the 10 U.S. EPA regions. Average recyclability is based on individual component weights. Some Keilhauer parts are adhered together which can present challenges when disassembling.



End of Product Life Introduction

Tables are the foundation for every time we meet and share. They compliment our seating collection and facilitate collaboration and connectivity. Once your Keilhauer table or component reaches the end of its life, the whole product doesn't have to end up in a landfill. Many of the parts and materials still have value, and can be repaired, replaced, or recycled to avoid an afterlife as waste.

This document provides instructions for component disassembly that can be applied to our Tables collection. A detailed breakdown of components and the materials they are made of for each product follows the instructions, as well as an outline of how to recycle these components after disassembly. Disassembly should take between 5 - 25 minutes depending on the product and model. Safety glasses and safety gloves are recommended throughout the disassembly process.

Repairability and Recyclability

Keilhauer products are made to last a long and useful life with components that are designed with modularity and repairability in mind. We take pride in the extra steps that we take to ensure our parts are indeed replaceable and this is supported by our 10 year Warranty Policy. (see our Warranty Policy for more details).

Depending on the specific model and manufacturing date, product parts can generally be easily repaired or replaced at home using standard tools. Some components are more complex and require the assistance of a Keilhauer Service Technician for replacement. For more details about your specific product, please contact our Warranty department.

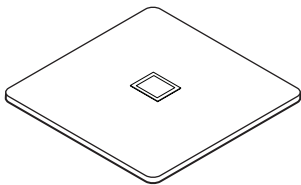
The following are our standard components and general information on replaceability. For product specific details, please refer to the Materials & Components Table on pages 9 through 12.

Anatomy of a Product



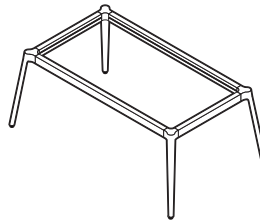
Standard Components

Tabletop



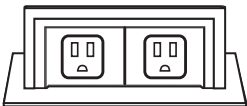
Depending on specific model and unit, tabletops are generally replaceable. Note: glass with MDF components are considered as one unit and generally can be replaced as a unit, but not separately.

Table Base & Legs



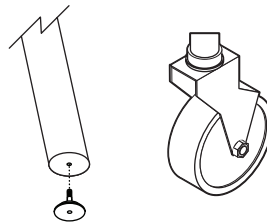
Depending on specific model and unit, bases are generally replaceable.

Power Option



Depending on specific model and unit, power boxes and power cords are generally replaceable.

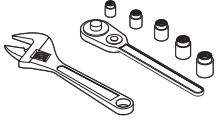
Glides & Casters



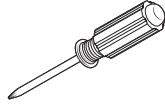
Depending on specific model and unit, glides and casters are generally replaceable.

Tools Required

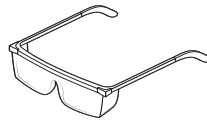
Adjustable Wrench
or Socket Set*



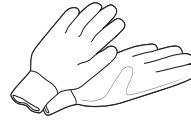
Screwdriver*



Safety Glasses



Safety
Gloves

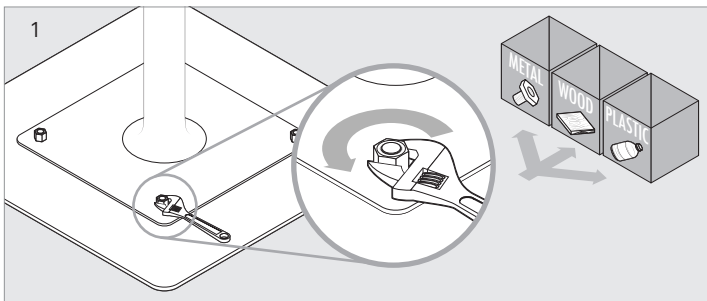


*To determine the screwdriver types and bits required for each product refer to the Materials and Components Table on pages 9 through 12.

Disassembly Instructions

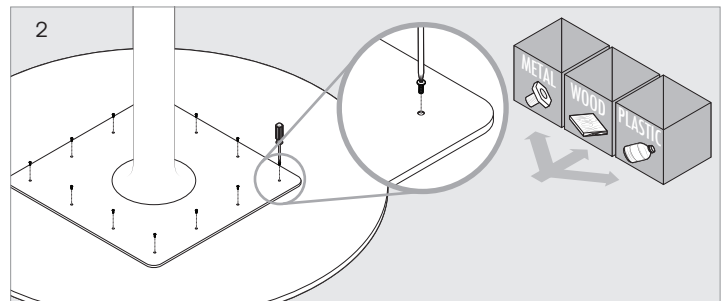
Center & Wire frame bases

OPTION 1: Bolted in place



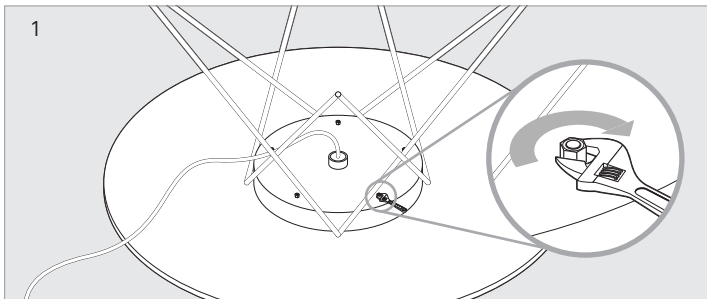
Flip the table upside down. Locate the bolts and remove using a wrench. Separate materials and refer to page 8 for recycling details.

OPTION 2: Screwed in place (including Trumpet bases)

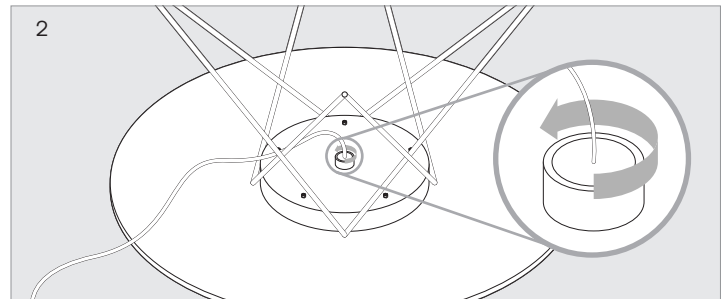


Flip the table upside down. Locate the screws and remove using a screwdriver. Separate materials and refer to page 8 for recycling details.

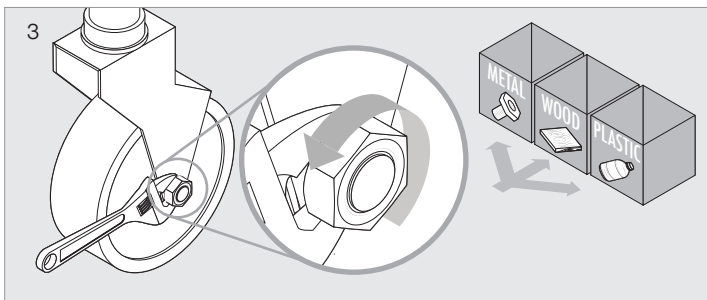
*Wheels tables only



Flip the table upside down. Locate the screws on the center shelf and remove using a screwdriver, then remove the metal base from the top.



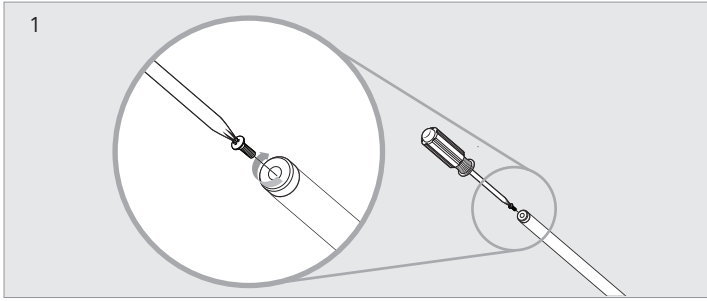
To remove the wheel, unscrew the entire unit.



To remove the wheel from the castor holder, use two wrenches and twist in opposite directions. Separate materials and refer to page 8 for recycling details.

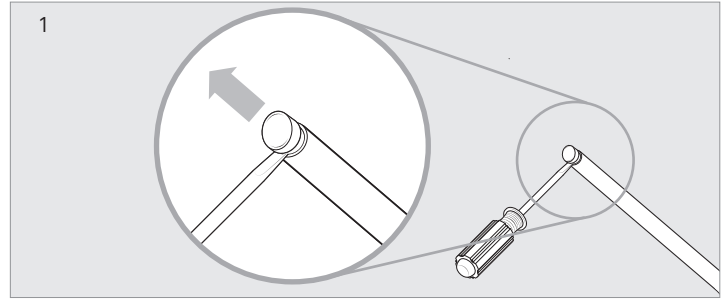
Removing glides

OPTION 1: Visible screws

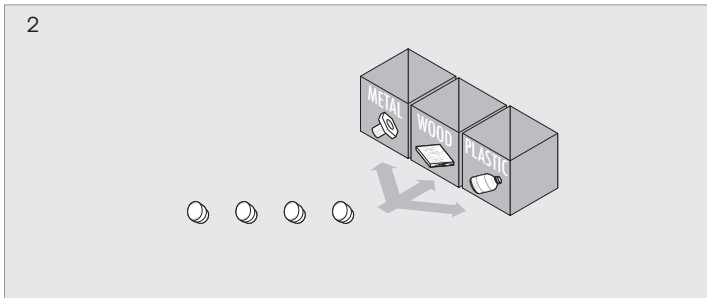


Turn the table over and rest the tabletop on the ground so that the legs are pointing up. If a screw is visible, use a corresponding screwdriver to remove the screw and bumper. If a screw is not visible, see **Option 2**.

OPTION 2: Screw is not visible



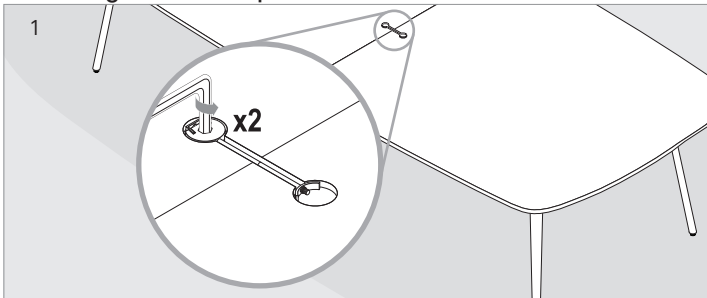
If a screw is not visible, remove the glides using needle nose pliers, a slot screwdriver and/or a mallet to wedge between the frame and plastic part to 'pop' the plastic glide off.



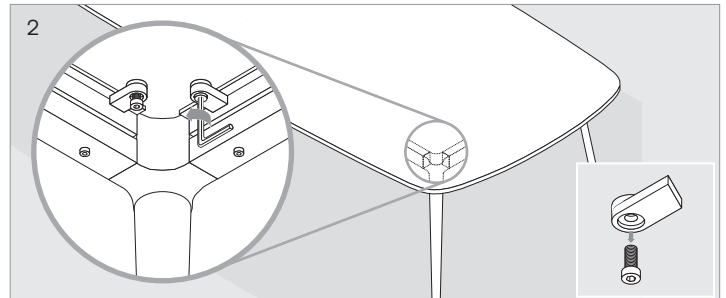
Separate the tabletop, legs, plastic glides and screws and refer to page 8 for recycling details.

4-leg Table Disassembly

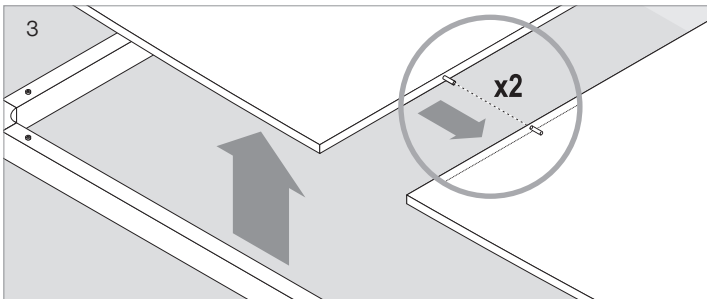
Removing the table top



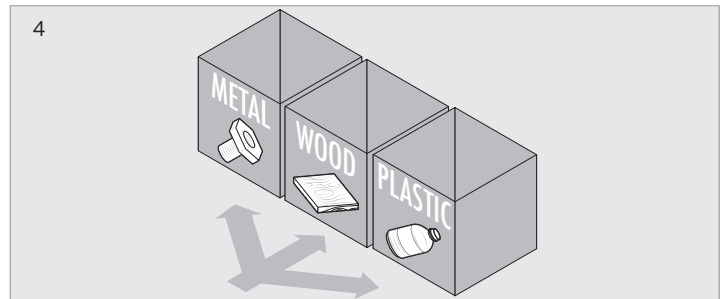
For two piece table tops (e.g. Syz tables that are 72" or 84" round or square): with the table standing upright on the underside of the table in the center, use a screwdriver to remove the visible bolts holding the zip bolt that connects the two halves.



Within the mounting clips located in the four corners on the underside of the table, remove the set of two bolts that hold the top in place on the base. Remove the bolts from the mounting clips and set aside.

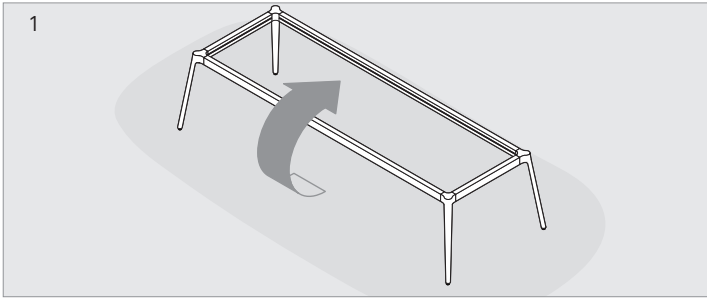


For a single piece table top, lift the top off the base and set aside. For a two piece top, slide the two halves apart before lifting off the base as shown in the illustration above.

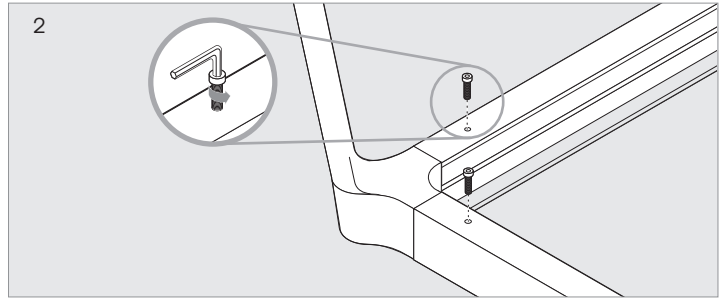


Separate materials and refer to page 8 for recycling details.

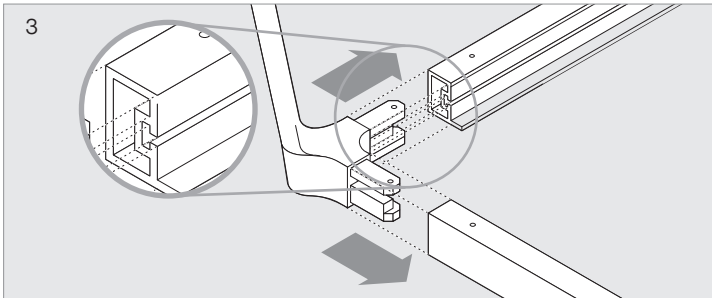
Disassembling the 4-leg base



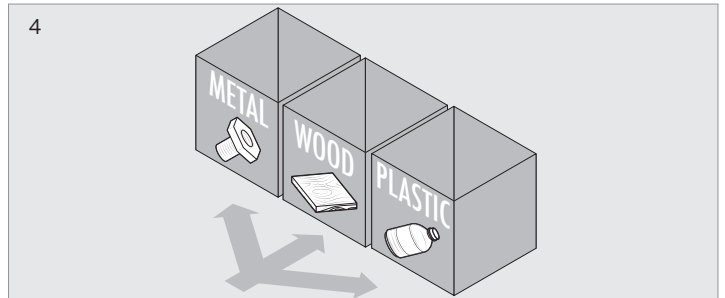
Flip the base upside down.



Using a corresponding screwdriver, remove the screws holding the extrusions to the legs.

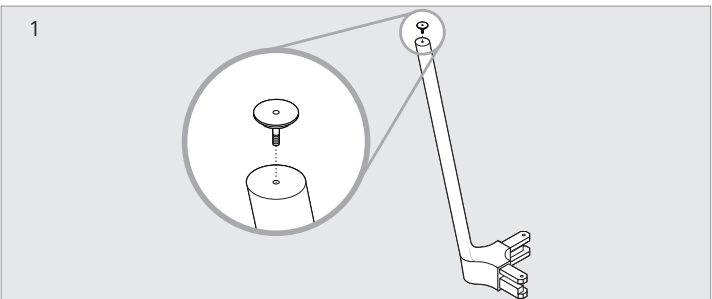


Slide the base extrusions from the leg.

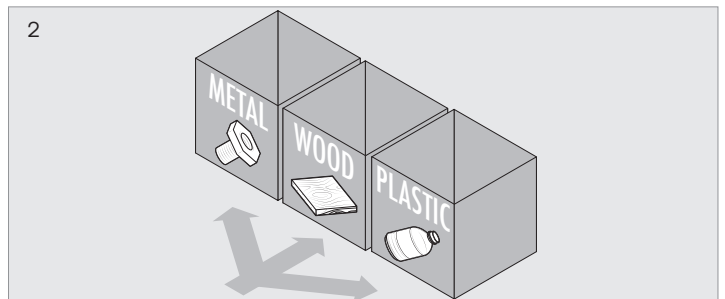


Set the legs and extrusions aside and refer to page 8 for recycling details.

Removing the glides



Using a screwdriver, remove the screw from the glide.



Set the screws and glides aside and refer to page 8 for recycling details.

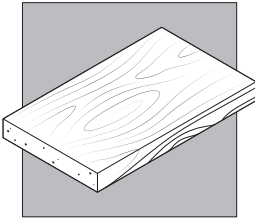
Recycling the Disassembled Product

Our goal is Closed-Loop Manufacturing, and this extends to our product's end of useful life. Through our Design for Environment (DFE) program, we ensure that we design our products with high quality, long-lasting materials. We also aim to design them to be easily disassembled, and that the materials are recyclable across all municipalities.

Our efforts, along with the efforts of many municipalities across the globe have taken great strides towards environmentally responsible materials management. Still, some materials may or may not be fully recyclable in certain areas. The recyclability of a material depends on the volume available, whether there is an end market for the material, purity of the material (avoid coatings, mixed materials, etc.), and availability of recycling infrastructure (is there a collection method, a processing facility, etc.).

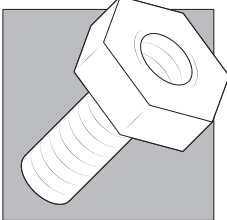
The following outline provides some basic information regarding the most common Keilhauer materials. For more information regarding recyclable materials in your area, please contact your local municipality or recycling company.

WOOD



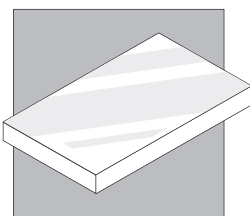
Type:	Hardwood, Plywood, MDF
Recyclability:	Recyclable
Value:	\$0 – \$1/board foot USD
How to recycle:	Contact local recycling companies or your local municipality.

METAL



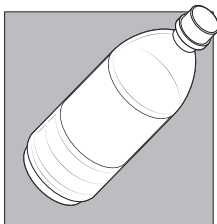
Type:	Steel, Aluminum, Zinc
Recyclability:	Recyclable
Value:	Steel \$0.50/lb. – \$0.60/lb. USD Aluminum \$0.65 – \$0.95/lb. USD Zinc \$0.42 – \$0.71/lb USD
How to recycle:	Contact local scrap metal dealers, recycling companies or your local municipality.

GLASS



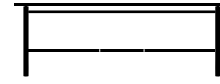
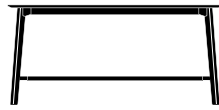
Type:	Tempered Glass
Recyclability:	Not commonly recyclable
Value:	Glass \$1.00 – \$5.00/lb. USD
How to recycle:	Contact local scrap glass dealers, recycling companies or your local municipality. Syz glass with MDF tabletops cannot be disassembled.

PLASTIC

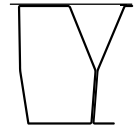


Type:	Acetal (POM), Acrylonitrile Butadiene Styrene (ABS), Nylon (PA), Nylon 6 (PA6), Polycarbonate (PC), Polyethylene (PE and PE-HD), Styrene Butadiene/K-resin (SB), Thermoplastic Elastomer (PO-PE), Urethane (UR), Vinyl (V).
Recyclability:	ABS, PA, PA6, PC, PE, PE-HD, and V – Widely recyclable PO-PE, SB, and UR – Not commonly recyclable.
Value:	Value: \$0.06/lb. – \$0.35/lb. USD
How to recycle	ABS, PA, PA6, PC, PE, PE-HD, and V – Contact recycling companies or recycle through your municipality (if accepted) PO-PE, SB, and UR – Contact local recycling companies.

Materials and Components



Possible Components	AWLA	BLOC	BOXCAR	BOXCAR
Table Top	Laminated/wood veneered MDF	Solid Fenix NTM® (paper with thermosetting resins)	↻ Tempered glass top	Steel plate with polished chrome ¹
Base Material	Solid ash or walnut wood	Steel	↻ Steel, plastic (V) bumper	Steel ¹
Power Option	Aluminum, Plastic (PC), rubber	N/A	N/A	N/A
Glides	Plastic (PA) and steel	N/A	↻ Plastic (PE-HD)	Rubber
Casters	N/A	N/A	N/A	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	Allen key, Quadrex, 3/16" Hex bit, 1/8" Hex bit, 5/32" Hex bit	5/32" Hex bit	1/4" Hex bit	1/4" Hex bit
Average Weight (kg)	52.78	12.05	31.89	12.81
Average Recyclability*	92.15 %	73.60 %	23.14 %	98.40 %

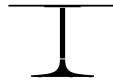
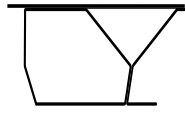


Possible Components	BRANDEN	BRIDGE	BUNCHA	CAHOOTS
Table Top	↻ Tempered glass top	↻ Veneered MDF	↻ Laminated MDF with plastic (ABS) edge banding and steel insert	↻ Anodized aluminum
Base Material	↻ Steel, plastic (UR) bumper	↻ Steel	↻ Aluminum and Steel	↻ Steel, rubber bumpers
Power Option	N/A	N/A	Aluminum, Plastic (PC), rubber	N/A
Glides	↻ Zinc	↻ Plastic (PE- HD)	↻ Plastic (PA6)	N/A
Casters	N/A	N/A	↻ Plastic (PA6)	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	N/A	3/16" Hex bit	1/8" Hex bit 7/16" Hex bit T-27 Torx bit	Adjustable wrench
Average Weight (kg)	35.32	34.08	39.85	17.28
Average Recyclability*	15.81 %	100 %	100 %	99.94 %

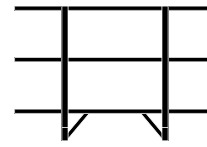
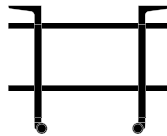
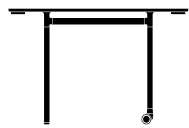
* See Document Disclaimer (p 2)

↻ Component Replaceable

¹ Keilhauer Service Technician required



Possible Components	CAHOOTS LE	CAL	CANAL	CHEMISTRY
Table Top	↻ Quartz	↻ Hardwood/ Veneered MDF	↻ Quartz or tempered glass	↻ Veneered MDF wood/plywood
Base Material	↻ Steel	↻ Steel	↻ Steel	Ganging: Steel (see Chemistry Lounge seating)
Power Option	N/A	↻ N/A	↻ N/A	N/A
Glides	N/A	Plastic (PA)	Plastic (PE-HD)	N/A
Casters	N/A	N/A	N/A	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	N/A	1/8" Hex bit	5/32" Hex bit	N/A
Average Weight (kg)	18.31	33.94	46.52	8.08
Average Recyclability*	100 %	100 %	33.43 %	99.92 %



Possible Components	EPIX	EPIX CART	EPIX STORAGE	FOLD
Table Top	Laminated or wood veneered MDF	↻ Laminated or wood veneered MDF	↻ Laminated or wood veneered MDF	↻ MDF, laminate, solid wood
Base Material	Aluminum	↻ Aluminum	↻ Aluminum	↻ Hardwood, plywood
Power Option	Aluminum, rubber, plastic (PC)	N/A	N/A	N/A
Glides	Plastic (PA)	N/A	↻ Plastic (PA)	K-Resin (styrene- butadiene copolymers, SBC)
Casters	Steel and plastic (PP)	Steel and plastic (PP)	Steel and plastic (PP)	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	1/8" Hex bit Allan Key Phillips	3/4 Hex bit	5/32" Hex bit Allen Key	Red #2 Robertson 5/32" Hex key Phillips
Average Weight (kg)	40.50	22.02	67.10	10.4
Average Recyclability*	100%	100%	100%	99.2%

* See Document Disclaimer (p 2)

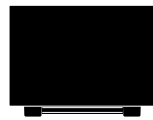
↻ Component Replaceable

¹ Keilhauer Service Technician required

KEILHAUER



Possible Components	FORSI	GEOMETRY	GRAND	GSD
Table Top	↻ Laminated or wood veneered MDF	Wood veneered MDF	↻ Wood or steel	↻ Laminated MDF
Base Material	↻ Steel	Steel or wood	↻ Cast aluminum	↻ Steel
Power Option	N/A	N/A	N/A	N/A
Glides	N/A	Plastic (PE-HD)	↻ Plastic	↻ Plastic (PE-HD)
Casters	N/A	N/A	N/A	N/A
Mechanism	N/A	N/A	N/A	Plastic (PA) with aluminum handle
Disassembly Screwdriver(s)	5/32" Hex bit Allen Key	Robertson	3/16" Hex Bit 5/32 Hex Bit	5/32" Hex bit 1/4" Hex bit
Average Weight (kg)	67.94	25.16	58.62	17.00
Average Recyclability*	84.47%	100 %	87.68 %	100 %

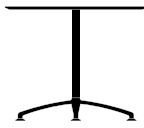


Possible Components	GYM	JUMBLE	JUXTA	JUXTA LE
Table Top	↻ Laminated MDF	↻ Painted MDF, wood	↻ Laminated/wood veneered MDF or solid quartz	↻ Solid quartz
Base Material	↻ Steel	↻ Aluminum	↻ Aluminum, steel	↻ Aluminum, steel
Power Option	N/A	N/A	Aluminum, plastic (PC), rubber	N/A
Glides	↻ Plastic (PE-HD)	Plastic (PE-HD)	↻ Plastic (SB)	↻ Plastic (PA6)
Casters	N/A	N/A	N/A	N/A
Mechanism	Plastic (PA) with aluminum handle	N/A	N/A	N/A
Disassembly Screwdriver(s)	5/32" Hex bit 1/4" Hex bit	Quadrex	5/32" Hex bit 3/16" Hex bit	5/32" Hex bit 3/16" Hex bit
Average Weight (kg)	17.00	32.15	34.19	53.22
Average Recyclability*	100 %	100 %	99.88 %	21.53%

* See Document Disclaimer (p 2)

↻ Component Replaceable

¹ Keilhauer Service Technician required



Possible Components	LOON	NET	PACT	RUBEN
Table Top	Laminated MDF	Tempered glass	Laminated/wood veneered MDF, quartz, or aluminum (nesting only)	Plywood
Base Material	Steel, aluminum	Aluminum, steel, plastic (PO-PE) bumpers	Conference: Steel and aluminum. Nesting: Steel	Solid wood
Power Option	N/A	N/A	N/A	N/A
Glides	Plastic (PA), with steel	N/A	Plastic (PA)	Steel
Casters	N/A	N/A	N/A	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	5/32" Hex bit 5/16" Hex bit	N/A	Quadrex	Phillips
Average Weight (kg)	49.20	35.20	4.81	10.65
Average Recyclability*	99.67 %	28.87 %	99.35 %	100 %

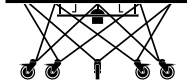


Possible Components	SIP	STIX	SYMM	SYZ
Table Top	Laminated MDF	Solid ash or walnut wood	Laminate, wood or quartz	Plastic laminated/ wood veneered MDF, solid quartz, or tempered glass
Base Material	Solid wood, steel	Solid ash or walnut wood with steel	Aluminum, solid wood	Aluminum
Power Option	N/A	N/A	N/A	Aluminum, plastic (PC), rubber
Glides	N/A	Cork	Nylon	Plastic (PA) and steel
Casters	N/A	N/A	N/A	N/A
Mechanism	N/A	N/A	N/A	N/A
Disassembly Screwdriver(s)	5/32" Hex bit Robertson Quadrex	Quadrex, No. 3	Red #2 Robertson (wood legs) 1/8" Hex Key (aluminum legs) 5/32" Hex key 3/16" Hex key	3/16" Hex bit 5/32" Hex bit
Average Weight (kg)	21.17	7.84	28.1	85.65
Average Recyclability*	99.54 %		65.0 %	

* See Document Disclaimer (p 2)

Component Replaceable

¹ Keilhauer Service Technician required



Possible Components	TURN	WHEELS	WUNDER
Table Top	Solid wood	↻ Laminated MDF top with melamine laminated MDF shelf	↻ Laminated or wood veneered MDF
Base Material	Solid wood	↻ Steel	↻ Solid ash or walnut wood
Power Option	N/A	↻ Aluminum, Plastic (PC), rubber	N/A
Glides	N/A	N/A	↻ Plastic (PA)
Casters	N/A	↻ Steel, rubber, plastic (PP)	N/A
Mechanism	N/A	N/A	N/A
Disassembly Screwdriver(s)	N/A	5/32" Hex bit	Robertson 7/8" Hex bit 5/8" Flat head
Average Weight (kg)	3.18	25.90	37.49
Average Recyclability*	100 %	86.68 %	100 %

* See Document Disclaimer (p 2)

↻ Component Replaceable

¹ Keilhauer Service Technician required