



## Neonatal, Pediatric, and Child Retractors



**Genesee**  
BIOMEDICAL, INC.

Shaped by Surgeons.  
Built for Better Outcomes.



# Pediatric & Neonatal Retractors



Made for the Tiniest Hearts. Built for Big Impact.

At Genesee, we understand that pediatric and neonatal cardiac surgery is not just about working smaller — it's about working smarter, gentler, and more precisely. Our retractor systems are purpose-built to meet the specific needs of pediatric and neonatal patients, providing trusted access from **0.5 kg preterm infants to 45 kg children**.

This section outlines three size-specific systems, each with modular configurations to support the full spectrum of congenital cardiac repairs:

- **Neonate Retractor** (0.5–5 kg) – fixed-blade design, minimal profile
- **Pediatric Retractor** (2–15 kg) – modular with optional rakes and accessories
- **Child Retractor** (15–45 kg) – broader exposure, ideal for older pediatric patients

Each system features curved geometry to distribute pressure evenly across the sternum while conforming to the patient's anatomy — minimizing trauma while maximizing visibility and access.

## Quick Guide to Patient Sizing

System	Weight Range	Best Used For
Neonate Retractor	0.5–5 kg	Preterm & newborn repairs
Pediatric Retractor	2–15 kg	Pediatric congenital procedures
Child Retractor	15–45 kg	Older pediatric patients requiring broader exposure





# Neonatal Curved Sternal Retractors

Built for the Smallest Patients. Engineered for Big Precision.

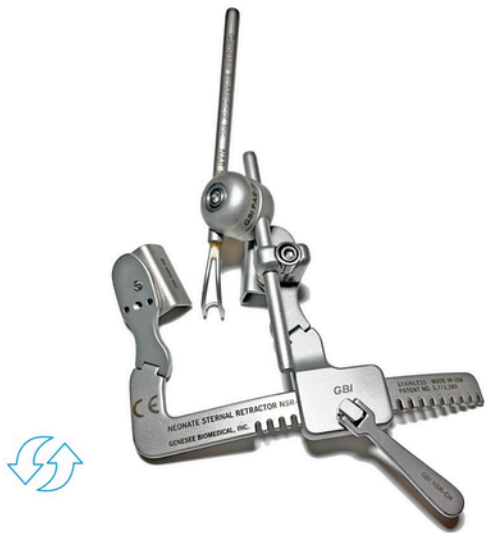
Genesee's neonatal retractor system is optimized for newborns and preterm infants weighing 0.5–5 kg. With anatomic curved shape and pivoting blades, these retractors deliver exposure with minimal footprint and reduce trauma caused by opening the chest. Optional rake kits extend versatility for more complex procedures.

## Designed For:

- ✓ Cardiac repair in neonates and preterm infants
- ✓ Teams requiring compact, intuitive retraction systems
- ✓ Cases requiring optimal exposure with limited trauma

## Key Features:

- ✓ Compact curved rack conforms to newborn anatomy
- ✓ Neonate-specific rakes, clamps, and bars available
- ✓ All kits provided with sterilization tray



## Ordering Information: Neonatal Curved Sternal Retractors

### NSR-1 – Neonate Sternal Retractor

Qty	Catalog #	Product Description
1	NSR-CR	Curved Retractor (76 mm) with Fixed/Moving Arms and Attached Blades (9 × 18 mm)
1	NSR-CH	Neonate Cog Handle
1	PST-ST5	Sterilization Tray

### NSR-AR – Neonate Retractor with Atrial and Aortic Accessories

Qty	Catalog #	Product Description
1	NSR-CR	Neonate Curved Retractor with Fixed/Moving Arms and NSR-CH Handle
1	NAR-SR	Small Neonate Rake
1	NAR-MR	Medium Neonate Rake
1	NAR-LR	Large Neonate Rake
1	NSR-PC	Neonate Pillar Clamp
3	PAR-BC	Pediatric Ball Clamp
2	NAR-MB	Neonate Mounting Bar
2	SR-HW	Small Hex Wrench
1	PST-ST5	Sterilization Tray





# Pediatric and Child Curved Sternal Retractors



Curved to Comfort. Built to Expose.

For pediatric congenital heart procedures, Genesee's curved retractor systems provide reliable exposure while prioritizing anatomical sensitivity. Designed for patients ranging from 2–45 kg, our pediatric offerings include both **Child** and **Pediatric** sets, available with or without advanced rake systems. Each system is modular, sterilizable, and built for flexibility in smaller operative fields.

## Designed For:

- ✓ Pediatric cardiac surgeries and valve repair for:
- ✓ Pediatric congenital procedures patients between 2-15 kg and older pediatric patients requiring broader exposure between 15-45 kg



## Key Features:

- ✓ Curved racks distribute opening pressure evenly
- ✓ Multiple blade sizes included per set - blades are free to pivot 10° in either direction and will automatically align with the cut edges of the sternum to distribute pressure evenly over the length of the blades
- ✓ Compact footprint to minimize trauma in smaller patients

## Key Takeaways:

- ✓ Genesee's full retractor portfolio supports cardiac procedures across the entire pediatric spectrum
- ✓ Modular kits allow teams to choose fixed or expandable options, with and without rakes
- ✓ All tools available as standalone or bundled configurations



## Ordering Information: Pediatric Curved Sternal Retractors

### PSRC-1 – Pediatric Sternal Retractor

Qty	Catalog #	Product Description
1	PSR-CR	Pediatric Curved Rack (122 mm) with Arms (82 mm)
1	PSR-CH	Pediatric Cog Handle
2	PSR-SB	Standard Blade (44 mm wide × 16 mm deep)
2	PSR-NB	Newborn Blade (22 mm wide × 18 mm deep)
1	PST-ST5	Sterilization Tray

### PSRC-AR – Pediatric Sternal Retractor with Atrial and Aortic Rakes

Qty	Catalog #	Product Description
1	PSR-CR	Pediatric Curved Rack (122 mm) with Arms (82 mm)
1	PSR-CH	Pediatric Cog Handle
2	PSR-SB	Standard Blade
2	PSR-NB	Newborn Blade
1	PAR-SLR	Small Atrial Rake
1	PAR-LAR	Long Atrial Rake
2	PAR-MLR	Medium Atrial Rake
1	PAR-LRR	Large Atrial Rake
2	PAR-LLR	Large Right Atrial Rake
4	PAR-BC	Pediatric Ball Clamp
1	PAR-PC	Pediatric Pillar Clamp
1	PAR-HR	"H" Mounting Rod
2	PAR-MB	Mounting Bar
2	SR-HW	Small Hex Wrench
1	PST-ST5	Sterilization Tray

## Ordering Information: Child Curved Sternal Retractors

### CSR-1 – Child Sternal Retractor

Qty	Catalog #	Product Description
1	CSR-CR	Curved Rack (180 mm) with Fixed and Moving Arms (130 mm)
1	CSR-CH	Child Cog Handle
2	CSR-CB	Child Sternal Blade (66 mm wide × 19 mm deep)
2	CSR-SB	Standard Sternal Blade (45 mm wide × 15 mm deep)

### CSR-AR – Child Sternal Retractor with Atrial and Aortic Rakes

Qty	Catalog #	Product Description
1	CSR-CR	Curved Rack (180 mm) with Fixed and Moving Arms (130 mm)
1	CSR-CH	Child Cog Handle
2	CSR-CB	Child Sternal Blade
2	CSR-SB	Standard Sternal Blade
1	MIR-SAR	Small Left Atrial Rake
1	MIR-LAR	Long Left Atrial Rake
2	MIR-MAR	Medium Left Atrial Rake
1	PAR-LRR	Large Right Atrial Rake
1	PAR-PC	Pediatric Pillar Clamp
4	PAR-BC	Pediatric Ball Clamp
2	PAR-MB	Pediatric Mounting Bar
1	PAR-HR	"H" Mounting Rod
2	SR-HW	Small Hex Wrench

\* Products must be sterilized prior to use.

\* Accessories may be ordered separately using catalog numbers provided.

\* Refer to the Instructions for Use (IFU) for complete warnings, precautions, and adverse events.

CAUTION: Federal law (USA) restricts this device to sale by, or on the order of, a physician.



PSRC Pediatric Sternal Retractor | Pediatric Cardiac Surgery Exposure System

Genesee Biomedical



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**PEDIATRIC CURVED STERNAL**

**RETRACTOR PSRC**



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“Innovation begins with listening. Every great product we build starts with a surgeon’s challenge.”  
— Matt Dambeck, CEO Genesee BioMedical, Inc

