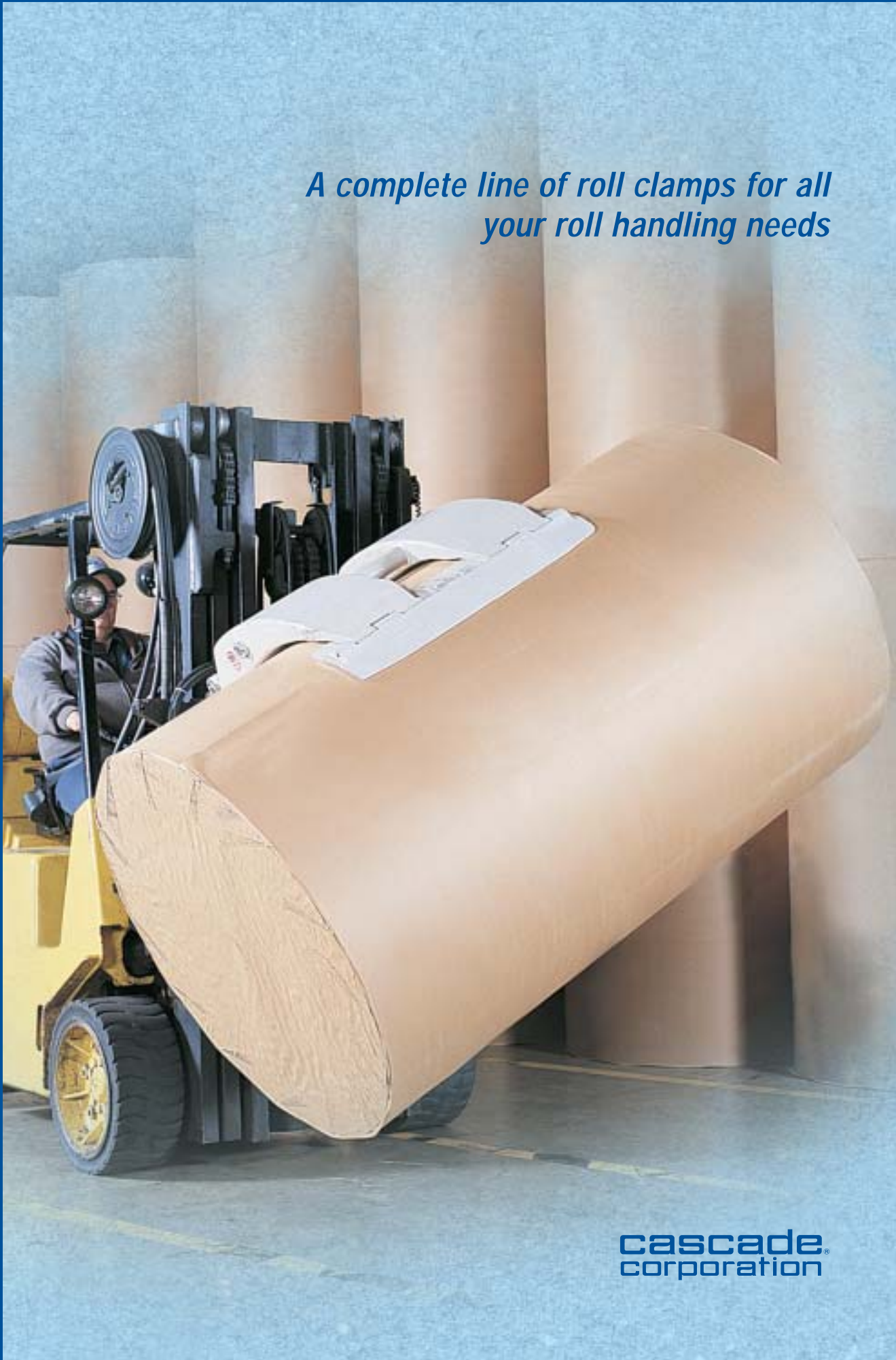




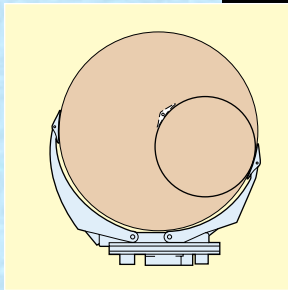
*A complete line of roll clamps for all  
your roll handling needs*



# Fast roll handling & full roll protection

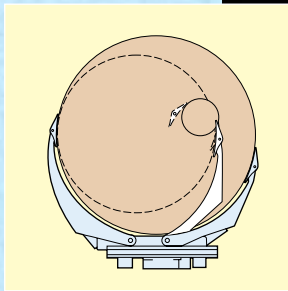
## **Fixed Frame Fixed Short Arm**

Provides an extremely thin arm profile at or near the maximum roll diameter, for applications where all rolls are near maximum.



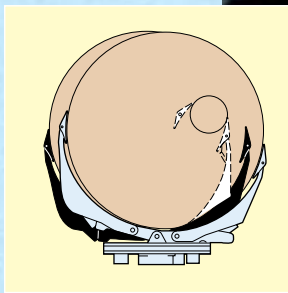
## **Fixed Frame Positioned Short Arm**

Ideal for applications with many different roll diameters. Can be adjusted to maintain a thin arm profile over a wide range of diameters, also capable of handling small butt rolls.



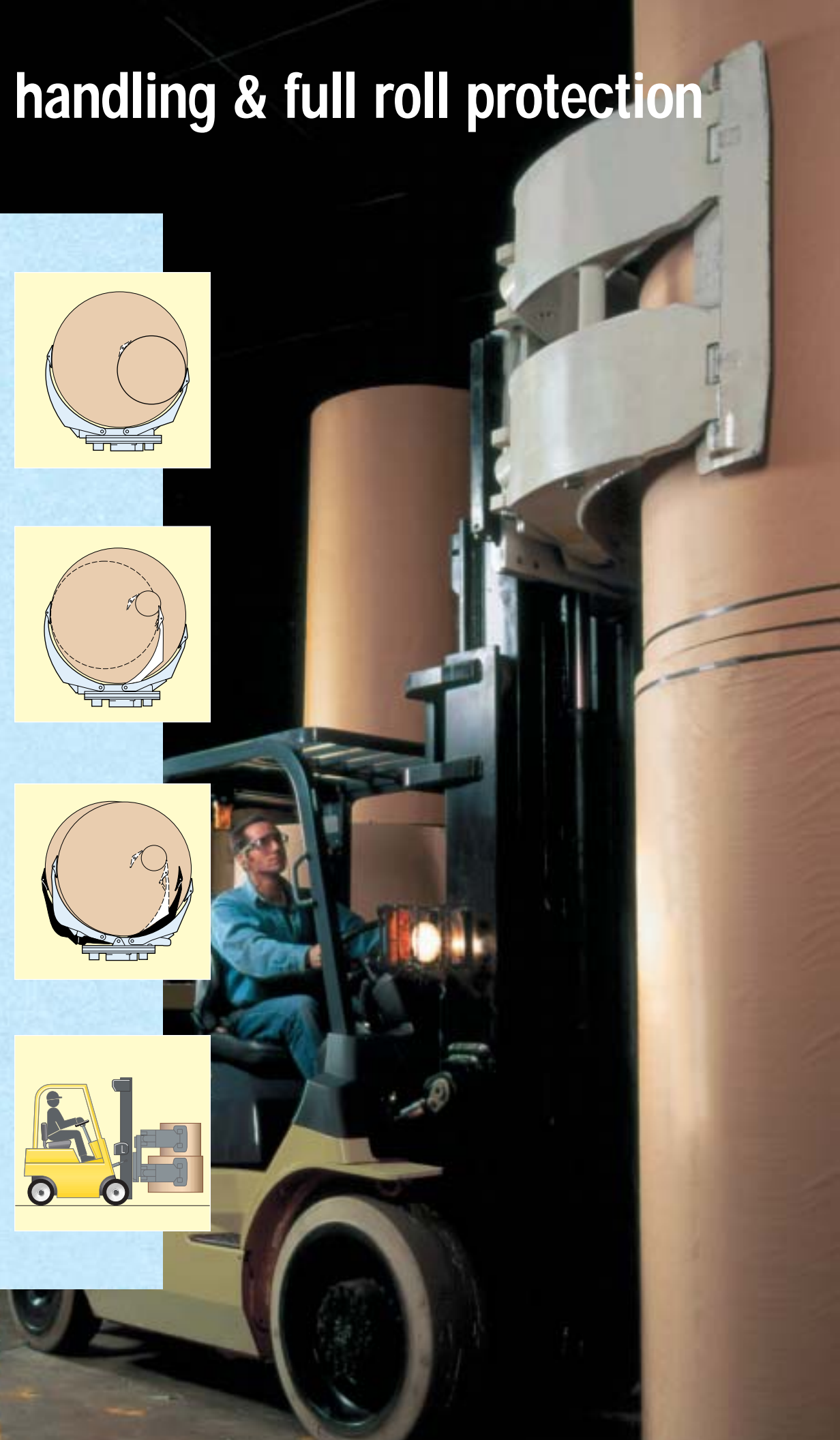
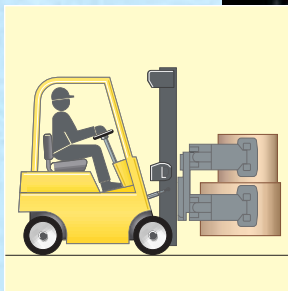
## **Swing Frame Positioned Short Arm**

Selective arm positioning allows your driver to choose the best arm profile for the job. Lateral swing function adds an extra dimension of flexibility to the clamp's breakout and tight stacking capabilities.



## **Split Arm**

The two long arm sections move independently, allowing you to handle two different size rolls simultaneously. Patented hydraulics allow you to handle a single roll without closing the non-clamped arm.



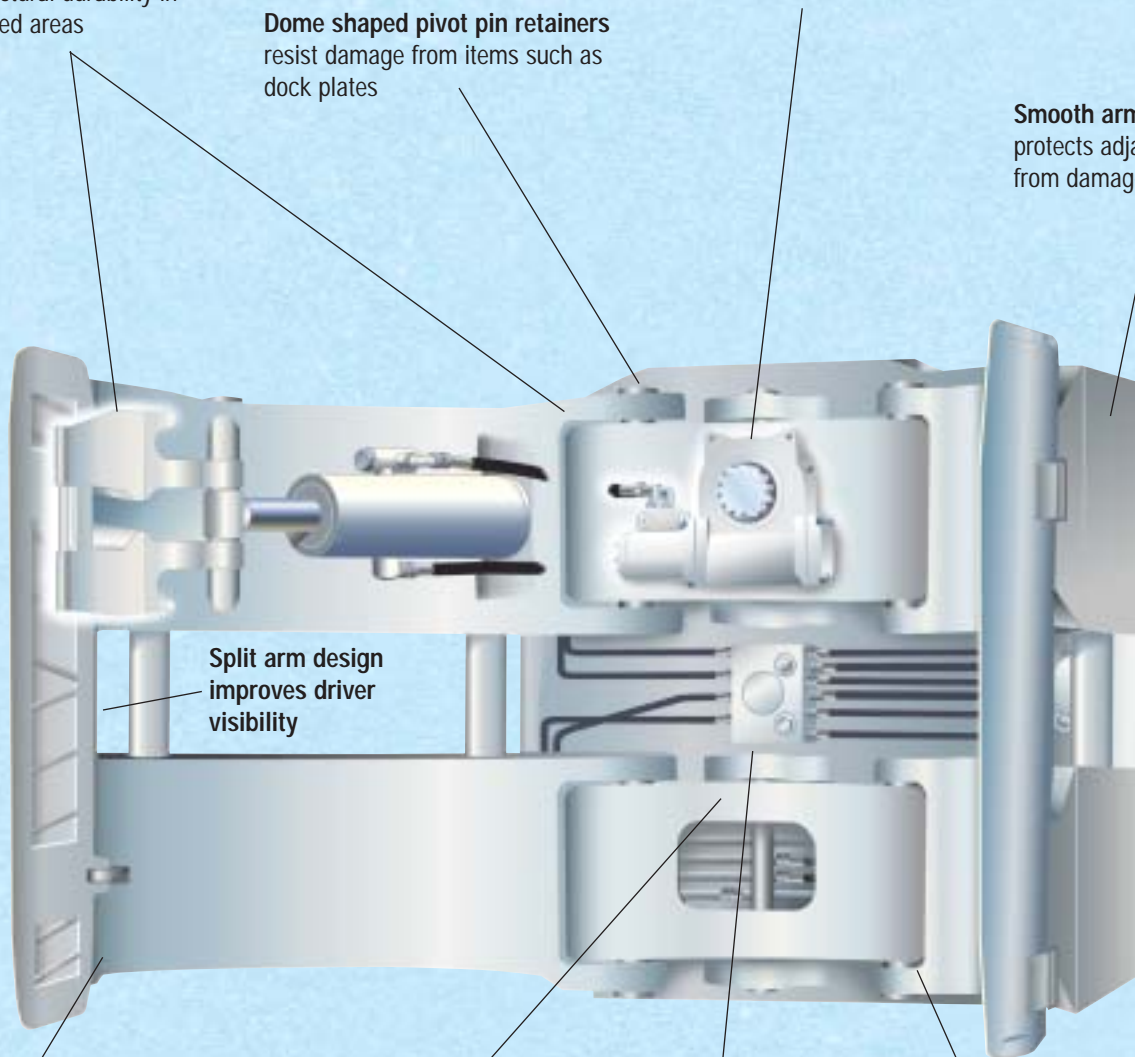
# Designed and built for tough applications

Arm tip and arm pivot joint are made from castings to provide superior structural durability in highly stressed areas

Dome shaped pivot pin retainers resist damage from items such as dock plates

Motor & drive box are located behind baseplate for protection against damage and improved visibility over top of clamp

Smooth arm surface protects adjacent rolls from damage



Split arm design improves driver visibility

Swing Frame shown

Contact pad links are single piece constructed

Simplified revolving connection is easy to reach and contains no load holding check valves

Superior seal configuration

Check valves in cylinder spud are easy to reach and provide positive pressure checking in the cylinder without holding pressure in the supply hoses



Pressure check ports are located in each clamp cylinder for easy troubleshooting.

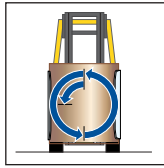
Cylinder rods are one piece forgings for improved durability

Thick walled pivot bushings substantially increase service life

# F-Series Paper Roll Clamp Options

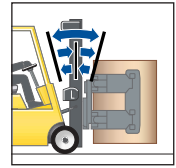
- **Electronic Rotational Control (ERC)**

Provides 90° (blige) & 180° stops during 360° clamp rotation which automatically aligns pad to roll. Positions the roll perfectly horizontal and vertical to the floor. Use in conjunction with Tilt Control.



- **Tilt Control**

Tilt Control automatically controls the angle of the mast and attachment, which automatically aligns pad to roll, and roll to floor. Use in conjunction with Rotational Control.



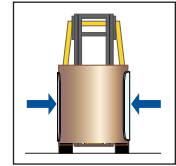
- **Load Cushion™**

Hoist system accumulator that absorbs shocks and reduces the clamp force required to handle the load.



- **AFC**

AFC (Adaptive Force Control) is a computer-controlled clamping system that automatically controls the clamp force in proportion to the load weight.



- **Clamp Force Indicator**

Measuring device that shows the clamp force applied to the load. Used for clamp pressure calibration with systems using pressure relief valves.



- **Light Bar Kit**

The light bar shows the pressure setting in use when installed with the Multi-Setting Pressure Relief Valve.



- **Quick Change Mounting Kit**

Increases versatility by allowing attachments to be easily interchanged.



- **Adjustable Bumper**

Prevents over-driving smaller rolls or clamping with the arm.



## A pad for every paper



### Standard Cast Pad

Appropriate for most paper handling.



### Spray-Metal

Used in various applications needing optional pad sizes. Textured surface for broad range of papers.



### Tissue, Single Radius

Used for handling industrial toweling and wrapped dense tissue rolls less prone to damage than softer rolls.



### Bolt-On Rubber

Used when handling difficult-to-grip papers such as milk carton stock or when increased friction to reduce clamp force is necessary. Pads are easy to replace.



### UDP Bonded Urethane

Extremely durable surface. Used when handling difficult to grip papers, such as calender stock.



### Tissue, Double Radius

Used for common tissue and toweling grades. Reduces cutting at end of contact pad.



### Ribbed Cast

Used with difficult-to-handle recycled kraft papers.



### RXH Bonded Black Rubber

Used in applications where a resilient surface is beneficial such as newsprint, or when increased friction is required.



### Tissue, Convex

For use in handling super soft tissue. Reduces cutting at periphery of contact pad area.



### Iratane Coated

Used with Kraft and polywrapped paper rolls, linerboard-coated, and white printing papers.



### Hinged

Designed primarily for newsprint and printing papers that are susceptible to out-of-roundness.



### Flexipad

Designed primarily for newsprint industry. Provides optimal full pad contact on various diameter rolls.