



1 2 3 4 5

Typical Roll Combinations From Most to Least Aggressive:

1. Maxi Rolls paired up against Maxi Rolls along the entire length of the shaft provides the most aggressive option used mainly for tropical or other hard to husk varieties of sweet and seed corn as well as the citrus and root crop industries.
2. The first 2 rows of Maxi Rolls paired against each other provides great initial husking ability and trash removal. The following 3 rows of High Profile Rolls with cutting blades paired with Spiral Rolls with cutting blades allows for ample husking ability while limiting aggressiveness.
3. High Profile Rolls with cutting blades can be a very effective husking setup for easy to husk seed corn varieties. High Profile Rolls are the standard setup for sweet corn husking as it provides very good husking abilities while limiting the damage to the product.
4. High Profile Rolls (with or without cutting blades) paired with Spiral Rolls with cutting blades is the least aggressive setup for seed corn.
5. Low Profile Rolls paired against each other along the entire length of the shaft provides our most non-aggressive option used mainly for fresh market corn husking and popcorn applications.

* Combinations listed are merely typical suggestions and in no way limit what combinations are possible.

Husker Rolls For 1½” & 1¾” Diameter Shafts



Applications:

1. Sweet and Seed Corn Husking
2. Citrus Destemming and Trash Removal
3. Carrot, Beet and Potato Devining and Topping
4. Onion and Brussel Sprout Deleafing

Roll Combinations:

There is no “one solution” roll combination for any application that can be matched to fit the customer’s process and variety.

Hughes offers many varieties of rolls in different materials and designs. Depending on the application, rolls are offered in both rubber and urethane compounds. The rubber is a better gripping material that wears well, but if true long lasting performance is needed urethane is the material of choice.

Construction:

- Specifically formulated rubber and urethane compounds (approved for contact with food products) are bonded to high strength alloy steel cores. These cores have full length internal key sets to provide maximum roll stability on the shaft and minimize keyway wear.

- The optional steel rib cutting blades are welded directly to the cores to improve roll life.

Hughes Equipment Company, LLC. whose policy is to continuously improve its products, reserves the right to discontinue or change specifications, models or designs without notice and without incurring obligation.

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Fresh Market Low Profile Roll:

Low Profile rolls are used mainly for fresh market sweet corn applications. These are the least aggressive rolls and offer good husking ability with the least amount of damage to a product.

Applications: Fresh Market Sweet Corn and popcorn

Available Material: 90 duro Rubber

Available Size: 1¾" in 12" length



Spiral Roll With Cutting Blade:

Used for removal of trash from the product flow. This roll gives the trash a lane to be pulled through limiting the wear on other rolls.

Applications: Sweet and Seed Corn

Available Materials: 90 duro Rubber and Urethane (1¾" only)

Available Sizes: 1¾" and 1½" in 12" lengths



High Profile Roll:

Our High Profile rolls are widely used in sweet corn applications. It offers a higher husking efficiency than the Low Profile while limiting damage to the product.

Applications: Sweet Corn

Available Materials: 70, 80 and 90 duro Rubber

Available Sizes: 1¾" and 1½" in 12" and 18" lengths



Maxi Roll:

Our Maxi Roll is our most popular roll for hard to husk operations and is mainly used in the seed corn and citrus industries. It is our most aggressive roll and has high husking efficiency with an auguring groove for trash removal. This limits the wear on the rolls by eliminating the need to pull trash through as well as removing it from the product flow. A full length cutting blade welded to the core helps in eliminating any "soldiering" of ears.

Applications: Seed Corn, Citrus Trash Removal, Carrot, Beet, Onion and Brussel Sprout Devining

Available Materials: 90 duro Rubber

Available Sizes: 1¾" and 1½" in 12" lengths



High Profile Roll With Cutting Blade:

The High Profile Roll with cutting blade is our recommendation for seed corn. Our helical blade is welded to the core creating a progressive cut which quickly clears trash and stalk. This also prevents ears from standing up on the husker causing grooves to wear into the rolls

Applications: Seed Corn, Carrot, Beet, Onion and Brussel Sprout Devining

Available Materials: 70, 80, and 90 duro Rubber

Available Sizes: 1¾" and 1½" in 12" and 18" lengths

Half & End Rolls:

Hughes offers both half and end rolls in all of our roll varieties. The end rolls are used on the discharge end of the long shafts helping guide the discharge of the corn. The half rolls are used to offset roll seams on the shaft.

Available Materials: Same as full length rolls

Available Sizes: 1¾" and 1½" in various lengths

