



Armstrong / Kover Kwick, Inc.

Today's Innovations for Tomorrow's Expectations

TOHO® WRINGER ROLLS FOR AUTOMOTIVE STAMPERS

Armstrong Kover Kwick, Inc.

Benefits:

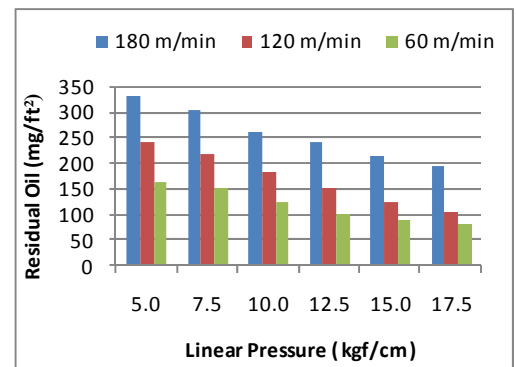
- Helps produce quality & consistent blanks
- Self-Healing capabilities resulting in longer roll life
- Very high void volume allowing for exceptional wringing performance
- Absorbs dirt & debris to protect dies from impurities.

Over the past few years, Automotive Stampers have better focused on controlling the oil-cut performance of their Blank Washers. This focus is a result of the rising cost of oil and the demand to improve the quality of blanks. With better control of oil-cut levels applied by Blank Washers, Automotive Stampers can reduce operating costs and can improve the quality and consistency of their blanks.



As a supplier to this industry for over 25 years, Armstrong Kover Kwick has responded to our customers' needs by improving our patented TOHO® Wringer rolls. Our Wringer rolls can now yield outstanding oil-cut levels, as low as 90 mg/ft². In addition, we can also provide supporting calculations to recommend the optimal operating pressure for our rolls. With the improvements AKK has developed, Automotive Stampers are better able to achieve their goals of producing consistent, quality blanks with lower operating costs.

Linear Pressure	UOM	Line Speed		
		180 m/min	120 m/min	60 m/min
5.0 kgf/cm	mg/ft ²	332	242	164
7.5 kgf/cm	mg/ft ²	302	217	153
10.0 kgf/cm	mg/ft ²	262	184	126
12.5 kgf/cm	mg/ft ²	240	151	102
15.0 kgf/cm	mg/ft ²	215	125	90
17.5 kgf/cm	mg/ft ²	194	104	83



Relationship between linear pressure and line speed yields the above oil-cut levels (mg/ft²).

* (Test roll size 200mm OD x 1200mm RF @ 85A durometer with oil viscosity 10 - 12 cSt)

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