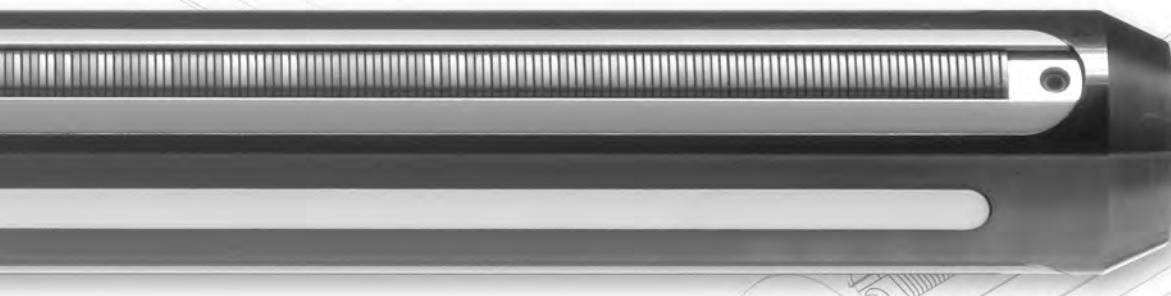




A Maxcess
International
Company

Equalizer - Model D3 Differential Air Shaft



Fast automatic or manual setups and high quality roll structure.

Quick and easy pneumatic core stop placement and multiple roll tension-equalization for slit rolls winding on the same shaft is offered by the D3 Differential Shaft. Automatic core-stops and core loading require minimal operator intervention and three-point tension control ensures superior quality rolls. The D3 provides guaranteed core positioning at low air pressure without spacers or core stops and is ideal for duplex winders. The result is improved finished roll quality, reduced scrap and fast, easy set-ups. The D3 is designed for multiple roll tension equalization in 3" (76 mm) to 16" (406 mm) ID cores.

SPECS

Specifications

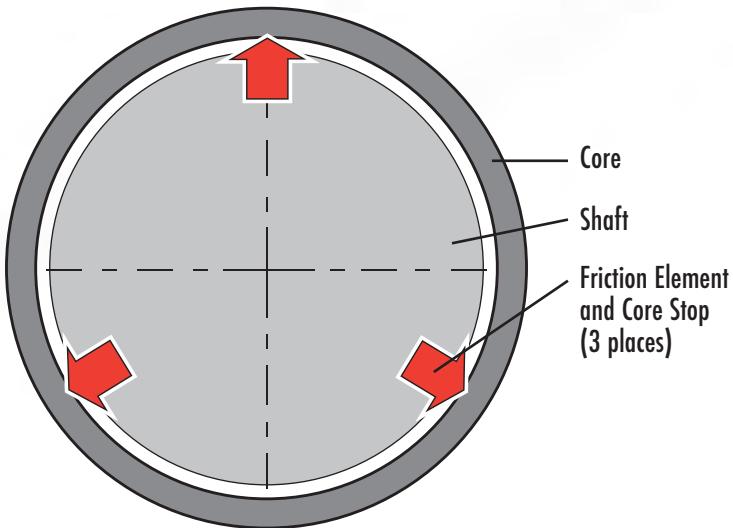
KEY FEATURES

Key Features:

		Core Diameter					
Units		3.00		6.00			
inches		Drop-In	Cantilevered	Drop-In	Cantilevered		
Minimum Slit Width	mm	76.2		152.4			
	Type	Drop-In	Cantilevered	Drop-In	Cantilevered		
Maximum Recommended Operating Speed	inches	0.88	0.88	1.00	1.00		
	mm	22.4	22.4	25.4	25.4		
	fpm	2300	1500	2300	1500		
Allowable Acceleration Rate (per sec.)	mpm	701	457	701	457		
	rpm	2196	1432	1255	819		
	fpm	150	150	150	150		
Tension Range Capability	mpm	46	46	46	46		
	rpm	143	143	82	82		
	pli	0.10 to 3.0		0.50 to 5.0			
N/mm		0.02 to 0.53		0.09 to 0.90			
Operating Air Pressure Range	psi	5 - 60					
Shaft Balance Tolerance	kPa	35 to 414					
Body Material Options	N/A	Below upper limit of the VDI quality zone G16					
	N/A	Mild Steel - Alloy - Aluminum					

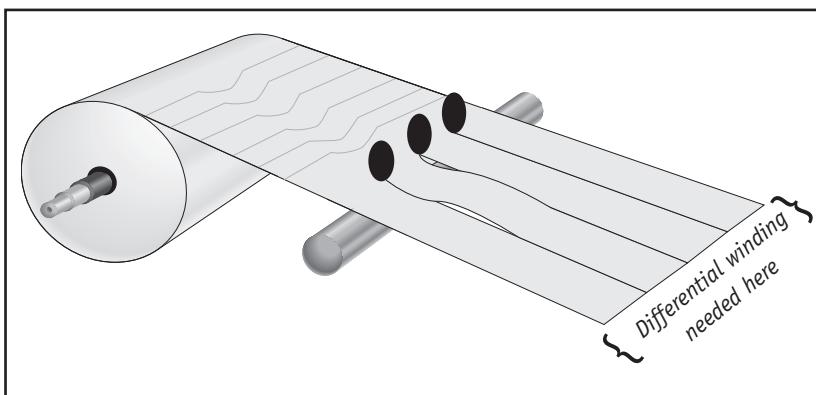
- Polymer tension segments reduce setup time and simplify core positioning, no tools or core stops required
- 3/32" (2.3 mm) wide, staggered tension segments ensure tight tolerance to the core edge regardless of core position
- Removable tension segment cartridges can be changed out easily to reduce down time for routine maintenance
- Symmetrical, balanced design ensures smooth operation
- Pressure control valve provides optimal regulation of machine air pressure
- Replaceable polymer wear bars and tension segments enable tolerance fit and reduced friction against core ID
- Automatic inflation/deflation and core stop activation allow remote operation

Equalizer – Model D3 Core-Slip System

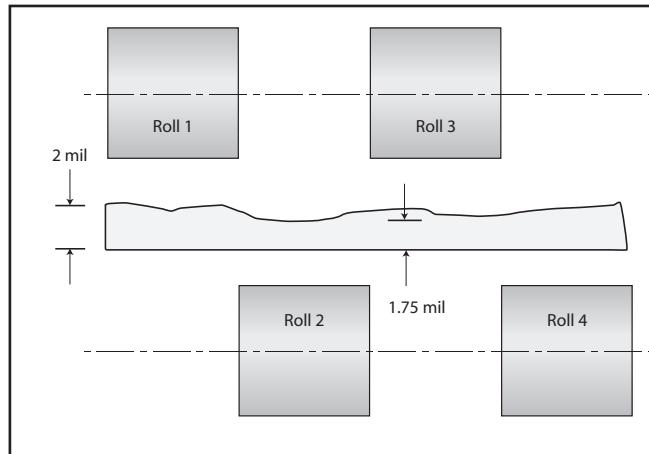


Tension Segments also act as core stops to eliminate lateral roll movement

Differential Winding Applications



Length Compensation (caused by baggy webs)



Cross-Web Caliper Variation
(typical of coated, printed or laminated materials)



Tidland Corporation
2305 SE 8th Avenue
Camas, WA 98607, USA
Phone: 360-834-2345
Fax: 360-834-5865
E-mail: tidland@tidland.com
Web: www.tidland.com

Maxcess Europe
Fifestrasse 1, D-65779
Kelkheim/Ts., Germany
Phone: (49) 6195-7002-0
Fax: (49) 6195-7002-933
E-mail: info@maxcess.eu

Maxcess Asia
300 Orchard Road No. 15-05
Orchard Towers
Singapore 238875
Phone: (65) 6834-1998
Fax: (65) 6835-4818
E-mail: asia@maxcessintl.com

MAXCESS INTERNATIONAL COMPANIES



GUIDING · INSPECTION
1-800-639-3433
(405) 755-1600



MAGPOWR
TENSION CONTROL
1-800-MAGPOWR
(405) 755-1600

Tidland
SLITTING · WINDING
1-800-426-1000
(360) 834-2345