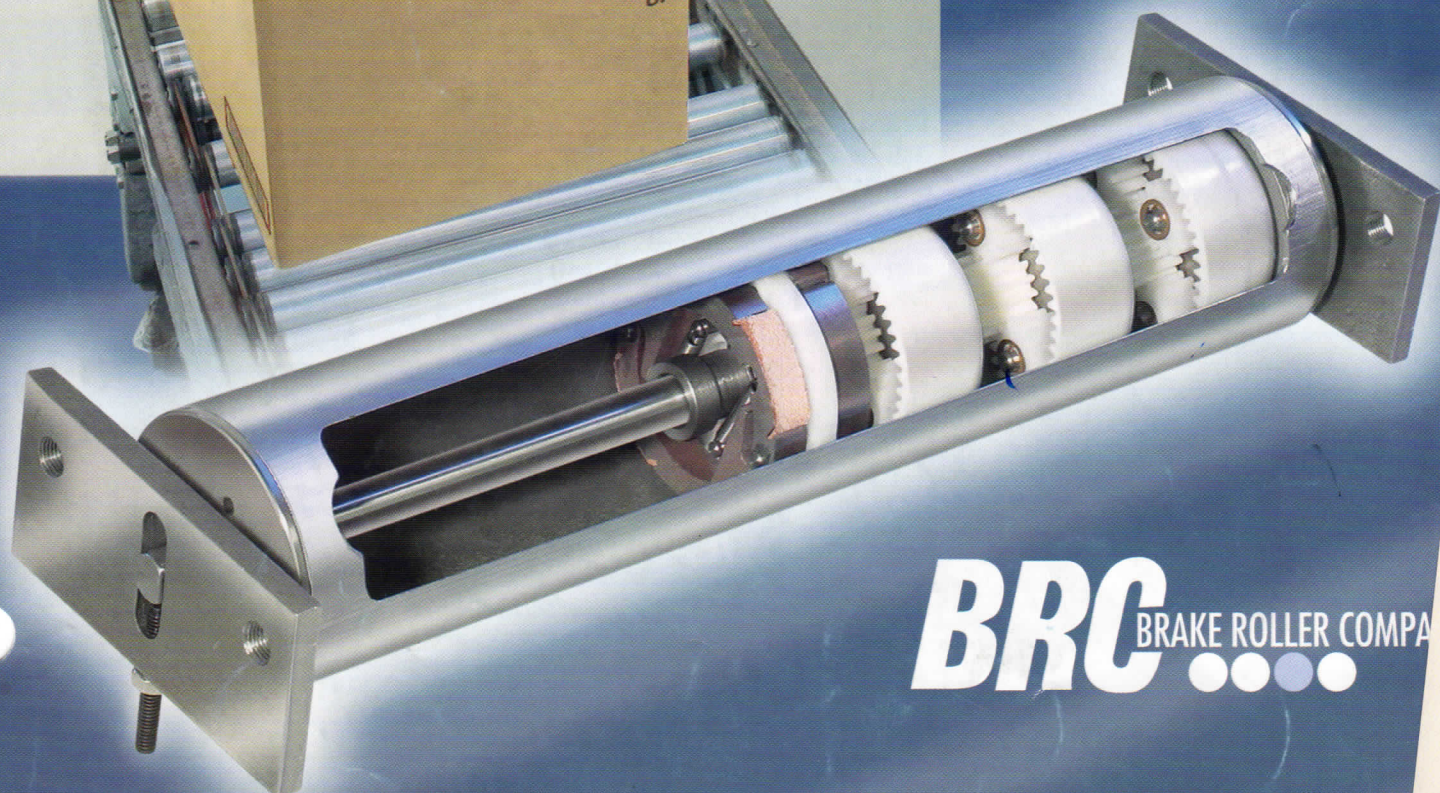




SPEED CONTROL

***FOR GRAVITY
CONVEYORS***

***WITH CENTRIFUGAL
BRAKE ROLLERS***



BRC BRAKE ROLLER COMPANY

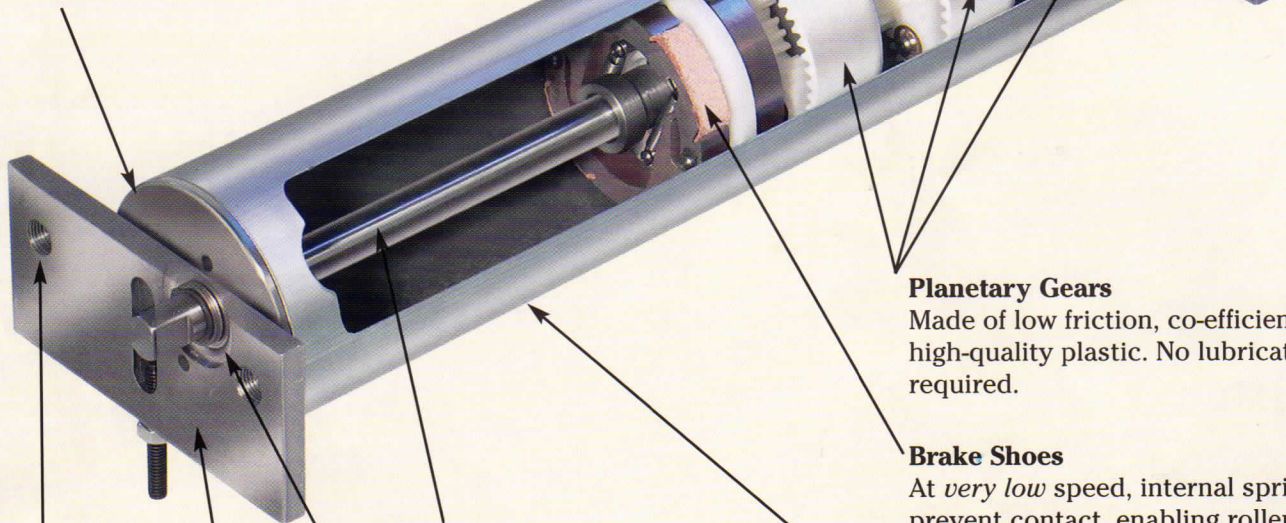
BRC CENTRIFUGAL BRAKE ROLLER

The greater the speed, the greater the braking force.

Planetary gears and brake shoes create friction inside the roller tube, controlling the speed of the roller.

End Housings

Machined steel construction.



Tapped 1/2-20

For convenience of installation.

Mounting Brackets (No. 13012)

Steel. Custom drilled to assure centering with other rollers and proper bolt alignment with existing conveyor frames.

Axle

Centerless ground steel for accurate component alignment and roller tube engagement.

Bearings

Ball-type, high-quality, double sealed.

Contact Brake Roller Company for suggestions on all special applications.

Planetary Gears

Made of low friction, co-efficient high-quality plastic. No lubrication required.

Brake Shoes

At *very low* speed, internal springs prevent contact, enabling roller to initially turn without resistance.

Roller Tube

Cold drawn steel 3.375" outside diameter, .109" wall. Can be hot dipped galvanized or urethane coated at additional cost.

Steel Reinforced Tube

May be applied for added protection to bring wall thickness to .229.



REGULAR BRAKE ROLLER

Model 8525 C-1

HEAVY-DUTY BRAKE ROLLER

Model 8525 C-25R

U.S. PATENT NO.
3918561

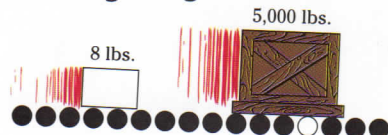
BRAKE ROLLER FEATURES AND OPERATIONS

Direct Working Roller



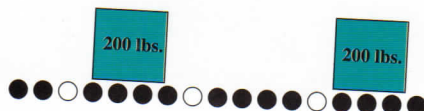
Replaces regular roller, reduces cost of conveyor system.

One Basic Roller; Wide Braking Range



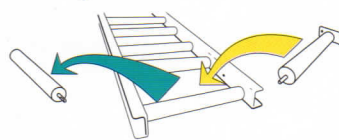
Brake Rollers operate efficiently under varying load weights from 8 lbs. to 5,000 lbs. The amount of braking force generated is in direct proportion to the speed of the load as it crosses the roller. *No adjustments are ever needed.*

Achieve Any Speed Reduction



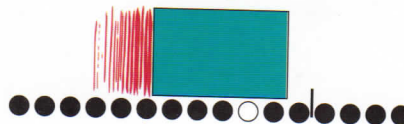
From 60 to 4 ft/min. by introducing one or more Brake Rollers into an existing conveyor system.

Easy Installation, No Modification of Conveyor Rails



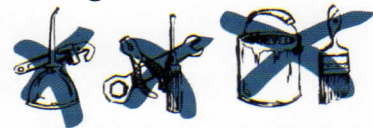
Just remove a regular roller at any desired point and replace it with a Brake Roller. Mounting brackets supplied with the brake are custom tapped for perfect alignment with your existing side rails.

Ideal For Use With Mechanical Stops



When separating and spacing goods along a conveyor, the Brake Roller is an effective cushion ahead of the mechanical stop.

Maintenance-Free, Long Wearing



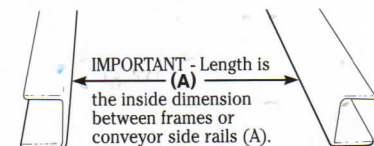
By experience, the Brake Roller is maintenance-free. Wear factor, after a simulated ten-year use period, is approximately 20% on brake shoe surface and is still well within operating tolerances.

Produces Its Own Fail-Safe Power



The Brake Roller is completely independent from any power source.

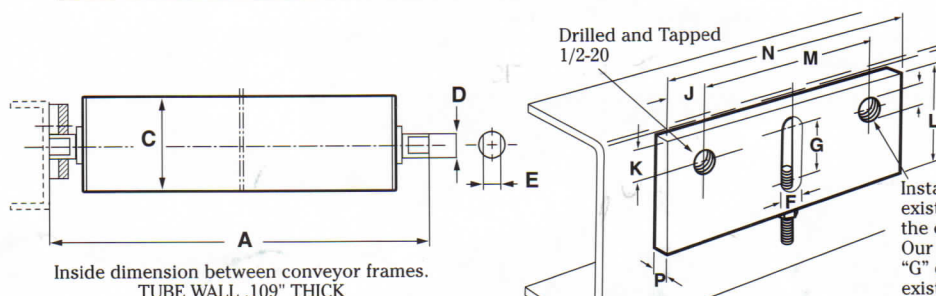
Custom Lengths



Regular - (Model 8525 C-1) Brake Roller is available in any desired length from base length of 9".
Heavy-Duty - (Model 8525 C-25R) from base length of 11".

BRAKE ROLLER SPECIFICATIONS

SPECIFICATIONS For Full Face Pallets	REGULAR Braking Action	HEAVY-DUTY Braking Action
Model Number	8525 C-1	8525 C-25R
Load Range	to 5,000 lbs. (2273 kg)	to 5,000 lbs. (2273 kg)
Base Length (A)	9.0" (229 mm)	11" (279 mm)
Shipping Weight	10 lbs. (4.55 kg)	12 lbs. (5.45 kg)
Add 0.20 lbs., for each additional inch of length		
Working Temperature Range: -22°F to +175°F (-30°C to +80°C)		



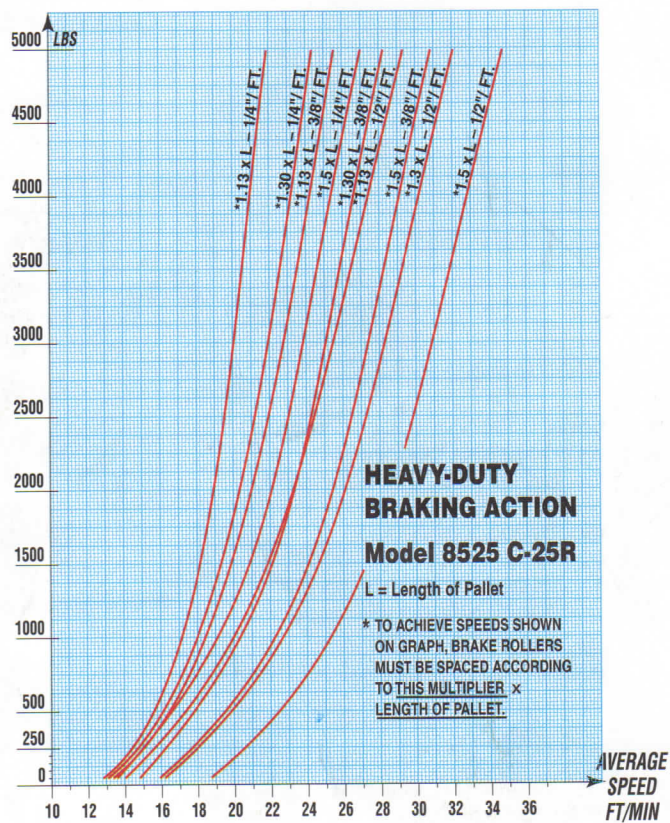
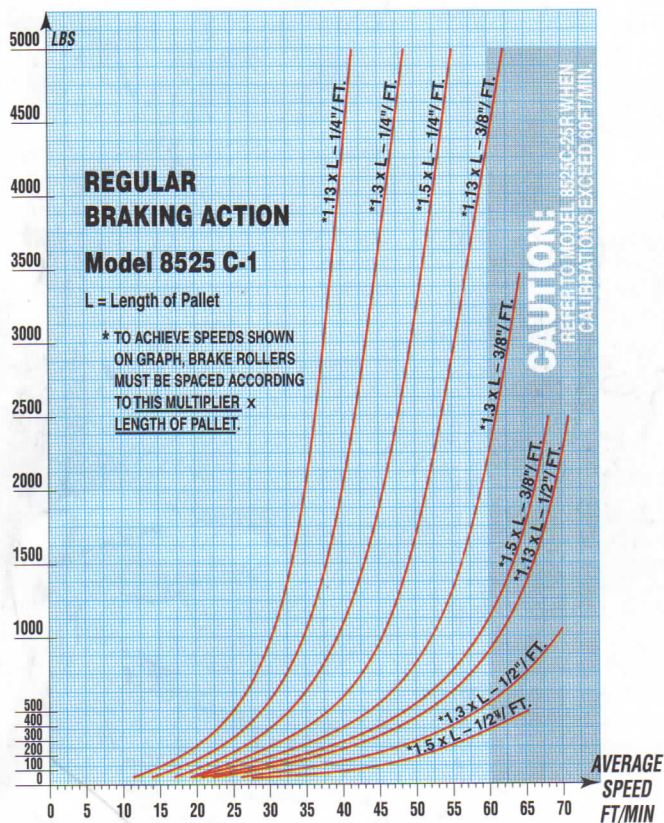
Dimensions shown are for our standard 4" c/c mounting bracket #13012. Optional 3" and 6" brackets are listed below:

Part No.	"M" Dimension	"N" Dimension
17091	3" (76.2 mm)	4.25" (108 mm)
17090	6" (152.4 mm)	7.25" (184.2 mm)

Install bracket in existing holes in the conveyor frame. Our bracket matches "G" dimension to fit existing rollers O.D.

	C	D	E	F	G	J	K	L	M	N	P
inch	3.375	.591	.433	.455	1.160	.625	.78	2.50	4	5.25	.31
mm	85.7	15	11	(11.30)	29.50	15.9	19.80	63.50	101.6	133.35	7.94

SELECTION / USE GUIDE



THREE YEAR LIMITED WARRANTY

Brake Roller Company warrants Brake Rollers to be free of defects in material and workmanship for a period of three years from date of receipt if operated within the maximum entry speed of 60 ft/min.

All illustrations and specifications contained in this literature are based on the latest information available at the time of publication approval. Brake Roller Company reserves the right to make changes at any time without notice in materials, specifications and models or to discontinue models.

BRC BRAKE ROLLER COMPANY

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