Scandrive R55
Internal oscillator

Self-oscillating ghostreducer for single circumference web offset presses



Benefits

- Enhances print quality
- Reduces ghosting
- Easy to add on
- Totally self-contained
- Smooth motion

Printers today demand true versatility from their press investments. Newspaper printing at night is generally followed by commercial printing during the day. Quality today is a continuous process of improvement. Ghosting and other printing problems must be counteracted at all costs. The Scandrive R55 is designed to correct the problems of ghosting. The Scandrive R55 is designed to be the core of a self-oscillating form or rider roller on high speed web offset presses. The pure sinusoidal axial oscillation needed to spread out the ink or water is generated entirely inside the Scandrive R55 unit.

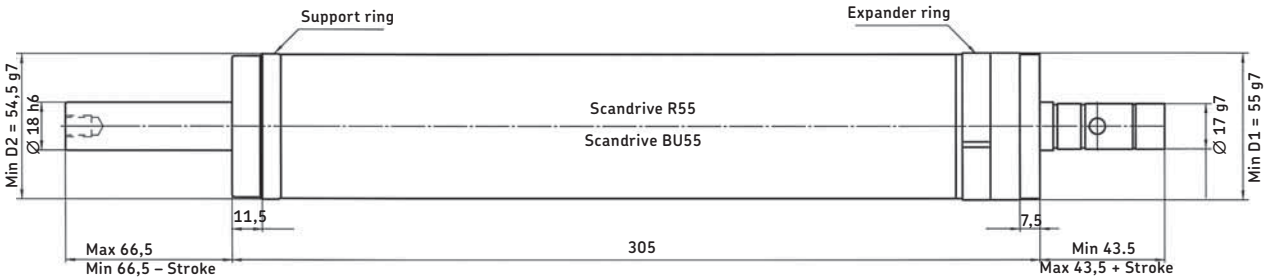
Easy to add on

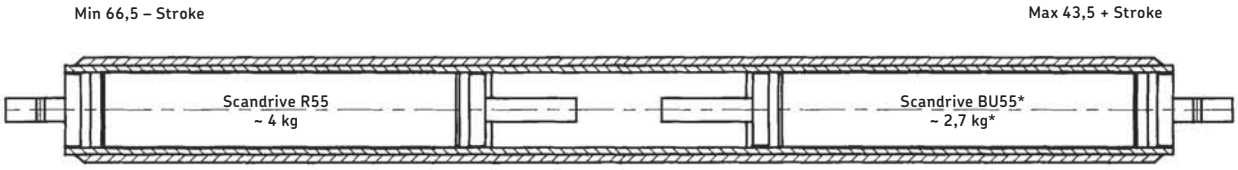
The design simplifies the problem of adding on an oscillating roller to further improve print quality on an existing press. All you need is two mounts for fixing the ends of the non-rotating central shaft. In addition, the Scandrive R55 offers original equipment designers the opportunity to eliminate external reduction gears and crank or cam follower mechanisms.

High operating speed

The high reduction ratio and perfect balance makes the Scandrive R55 unit excellent for high speed applications. A modular design makes it easy to specify suitable oscillating frequency ratios and a range of different strokes.

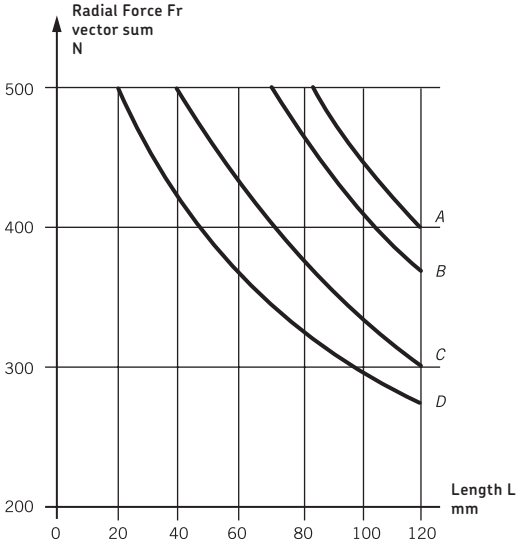
Scandrive R55 internal oscillator

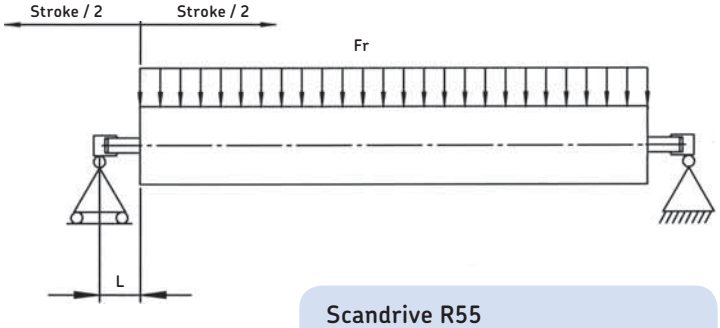




*/ customized short bearing units are available for short rollers

Design limits





Scandrive R55	rpm 700	rpm 2 000
Duty cycle		
Light	A	B
Medium	B	C
Continuous	C	D

Technical data	Unit	Ratio 32,50:1	Ratio 15,75:1	Ratio 10,17:1
Axial oscillating stroke	mm	5/7/11/16/25	5/7/11/16/25	5/7/11/16/25
Outer diameter, D1	mm	55/62/68/73/79	55/62/68/73/79	55/62/68/73/79
Outer diameter, D2	mm	54,5/61,5/67,5/72,5/78,5	54,5/61,5/67,5/72,5/78,5	54,5/61,5/67,5/72,5/78,5
Speed range	rpm	0 to 2 500	0 to 2 500	0 to 2 500
Axial oscillating at 1 000 rpm	Hz	0,5	1,0	1,6

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