



ASTM D3759 Wrap Grips (Ribbon Grips)



Tensile Rating: 20kN - 300kN

Standard Size: Roll Diameter 30 mm - 150 mm ('A' in Schematic)

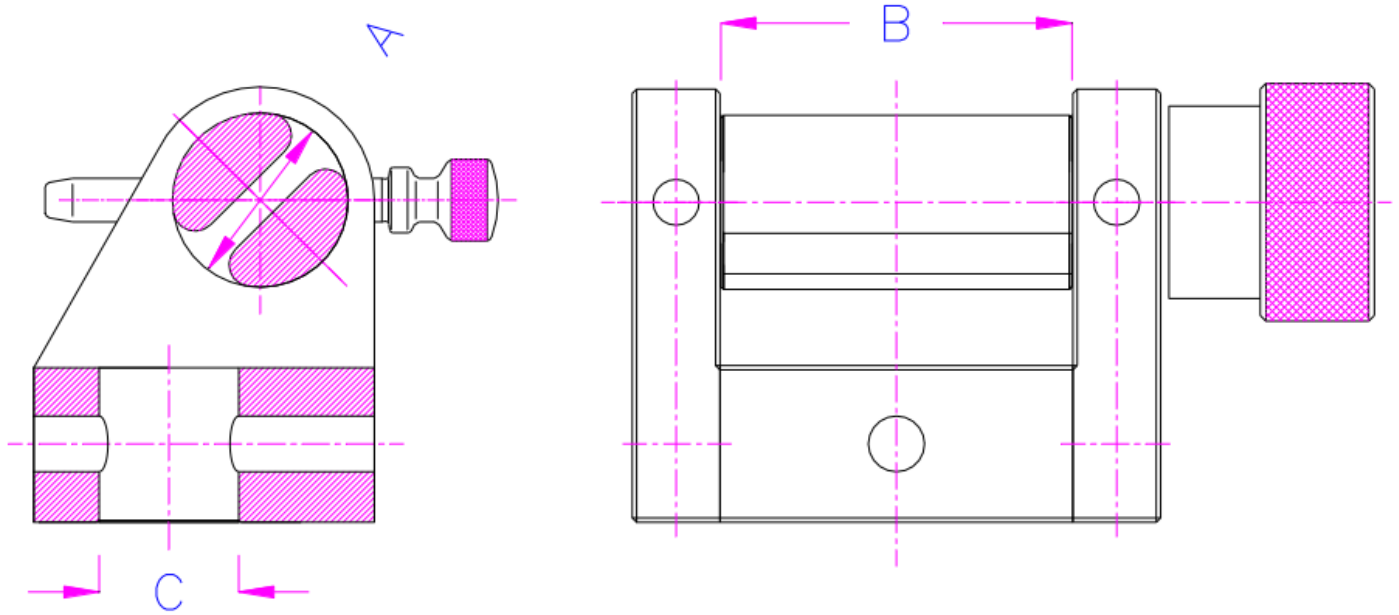
Adapter Coupling: 5/8" with a 5/16" Locking Pin

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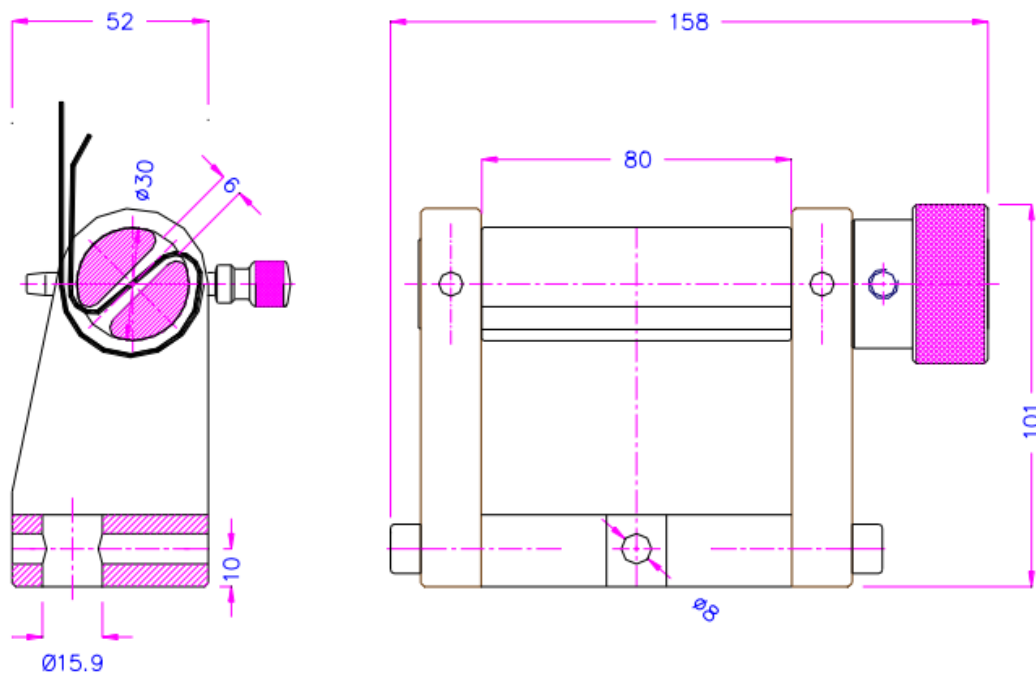
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Description: ASTM D3759 measures the tensile strength and elongation of pressure-sensitive tapes and requires the use of these specialized wrap grips. These grips are designed to hold the thin and flexible tape specimens securely without slippage or premature failure at the gripping point. The tape is wrapped around a mandrel or cylindrical surface within the grips to distribute the clamping force evenly, preventing localized stress that could tear or distort the sample. This setup ensures accurate tensile measurements by allowing the tape to fail in its body rather than at the grip, giving reliable data for quality control and material comparison.



Schematics (mm)



30 mm Roll Diameter Schematic



Options and Sizes by Roll Diameter

Tensile force	20 kN	50 kN	100 kN	100 kN	100 kN	100 kN
A: Roll diameter Ø	30 mm	40 mm	60 mm	60 mm	60 mm	80 mm
B: Max. sample width	80 mm	80 mm	80 mm	100 mm	120 mm	120 mm
Max. thickness	5 mm	7 mm	11 mm	11 mm	11 mm	11 mm
Min. sample length	460 mm	600 mm	910 mm	910 mm	910 mm	1160 mm
Roller fillet radius:	3 mm	5 mm	7.5 mm	7.5 mm	7.5 mm	10 mm
C: Coupling*	Af159*	Af318*	Af40*	Af40*	Af40*	Af40*
Weight / 1 grip	2.3 kg	4.5 kg	7.3 kg	8.1 kg	8.8 kg	15 kg

Tensile force	300 kN	300 kN	300 kN
A: Roll diameter Ø	100 mm	150 mm	150 mm
B: Max. sample width	120 mm	180 mm	220 mm
Max. thickness	14 mm	20 mm	20 mm
Min. sample length	1240 mm	1790 mm	1790 mm
Roller fillet radius:	10 mm	15 mm	15 mm
C: Coupling*	Af60*	Af60*	Af60*
Weight / 1 grip	28 kg	Ca. 60 kg	70 kg

We also have customizations of Wrap grips available upon request. See Pictures of some custom options below:

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