

WEBBING CAPSTAN GRIPS

2715-003

Webbing capstan grips are designed to permit faster, easier testing of seat belts and other high strength belts and tapes. These grips are designed to permit predetermination of specimen length, and allow quick, convenient loading.

PRINCIPLE OF OPERATION

These webbing capstan grips incorporate an ingenious double capstan design for fast, easy loading with a gripping action that results in proper breaks in the full gauge length of the specimen. A split capstan has been arranged so that it can be rotated within a completely separate outer capstan. To load a specimen, simply insert an end into the inner split capstan, then rotate through 360° and lock in position. This distributes the load over both the inner and outer capstan, minimizing failures at the bite.

These grips offer positive relief from the awkward, time consuming capstan loading, and recurring jaw breaks that are usually associated with the testing of seat belts and other high strength belts and tapes.

FEATURES AND BENEFITS

- Rated capacity: 50 kN (5,000 kgf, 11,000 lbf)
- Fast easy loading
- Minimizes jaw breaks
- Allows predetermination of specimen length

APPLICATION RANGE

- Suitable for testing seat belts and other high-strength belts and tapes

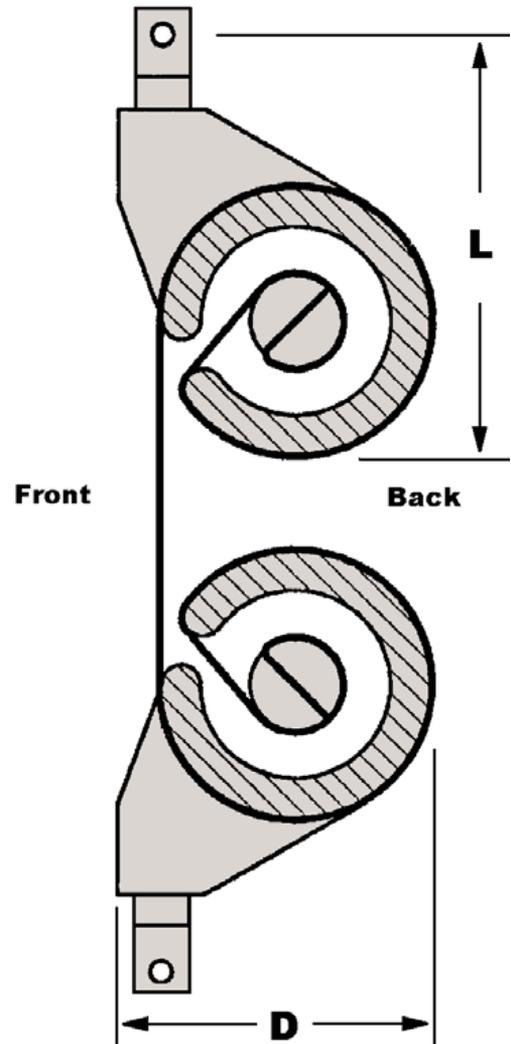


SPECIFICATIONS

Catalog Number		2715-003
Maximum Capacity	kN	50
	lbf	11,000
Mechanical Connection		
Upper Fitting		½ inch clevis pin (Type Dm)
Lower Fitting		½ inch clevis pin (Type Dm)
Weight (Upper Grip)	kg	5.9
	lb	13
Working Principle		Mechanical, double capstan
Maximum Sample Thickness	mm	4.7
	in	0.18
Minimum Sample Thickness	mm	0.5
	in	0.02
Operating Temperature Range		Ambient
Minimum Sample Length at Zero Grip Separate	mm	1,140
	in	44.9
Gripping Width	mm	50
	in	2.0
Maximum Sample Width	mm	50
	in	2.0
Gripping Surface		Smooth
Minimum Daylight Required	mm	330
	in	13.0
Length (L)	mm	170
	in	6.7
Depth (D)	mm	125
	in	4.9
Width	mm	180
	in	7.1

Note:

- Upper grip requires a rigid mechanical attachment to connect to load cell.



Dimensions of webbing capstan grips