

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 which provides for fast, easy loading together 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 and then rotate this through 360°, and lock in position. This distributes the load over both the inner and outer capstan, thereby minimising 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 (5000 kgf, 11250 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.

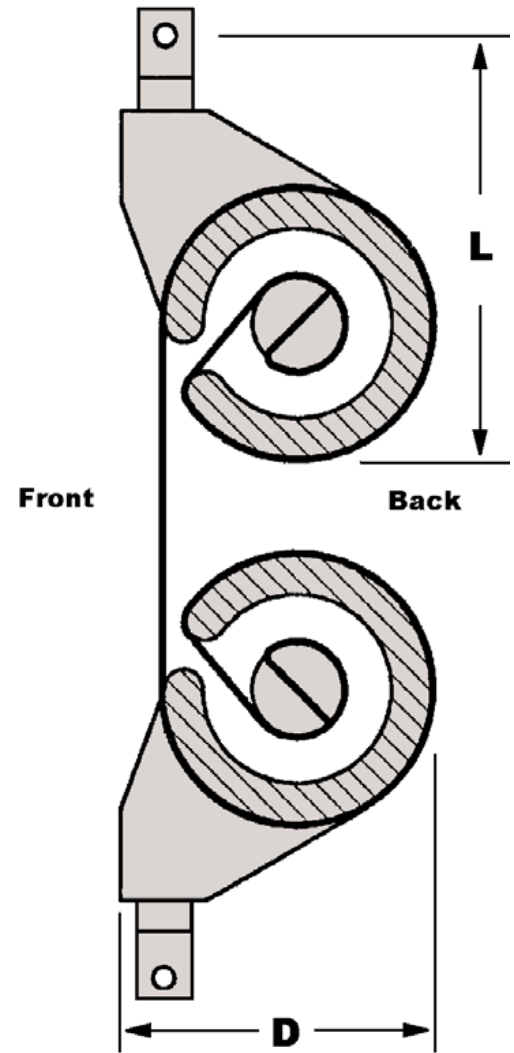


Specifications

Catalog Number		2715-003	2715-004
Maximum Capacity	kN	50	50
	lbf	10,009	10,009
Mechanical Connection			
Upper Fitting	in	½ cevis pin (Type Dm)	
Lower Fitting	in	½ cevis pin (Type Dm)	
Weight (Upper Grip)	kg	5.9	8.4
	lb	13	18.5
Working Principle		Mechanical, double capstan	Mechanical, double capstan
Maximum Sample Thickness	mm	4.7	4.7
	in	0.18	0.18
Minimum Sample Thickness	mm	0.5	0.5
	in	0.02	0.02
Operating Temperature Range		Ambient	Ambient
Minimum Sample Length at Zero Grip Separate	mm	1140	1140
	in	44.9	44.9
Gripping Width	mm	50	100
	in	1.97	3.94
Maximum Sample Width	mm	51	105
	in	2.01	4.13
Gripping Surface		Smooth	Smooth
Minimum Daylight Required	mm	330	330
	in	12.99	12.99
Length (L)	mm	170	170
	in	6.7	6.7
Depth (D)	mm	125	125
	in	4.93	4.93
Width	mm	180	230
	in	7.09	9.06

Note:

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



Dimensions of webbing capstan grips