



POWER BANDS

BESPOKE HIGH STRENGTH ELASTICATED ASSEMBLIES \ HEAVY-DUTY, LIGHT-DUTY & COMMERCIAL SHOCK CORD \ TEAR SHAPED & ROUND THIMBLES \ SOFT EYE TERMINATION \ DOUBLE-WHIPPINGS \ RANGE OF DIAMETERS & LENGTHS \ MULTITUDE OF USES



UK MANUFACTURED ROPES,
SHOCK CORD AND ASSEMBLIES



Power Bands

Steel, aluminium & nylon tear-shaped thimbles, double-whipped



Nylon & aluminium round thimbles, double-whipped



Soft eye terminations, double-whipped or crimped & covered

Power Bands are a high strength shock cord assembly. Power Bands have Stainless Steel, Galvanised Steel, Nylon or Aluminium thimble(s) and are bonded with 2 servings of whipping to ensure strength under heavy loads. We can also supply with soft eye terminations, double-whipped or crimped and covered. Power Bands are largely used in the Defence industry but are also used in leisure/adventure applications. We can make to customer

specifications or drawings, or design suitable Power Bands in consultation with customers.

Heavy duty (BS3F70), light duty (BS3F71) Superstretch or commercial shock cords are used in these assemblies, depending on the application.

BRITISH STANDARD/BS3F70 HEAVY DUTY SHOCK CORD

LOAD TO GIVE EXTENSION OF:							
Diameter (mm)*	10% (Minimum)		30%		75%		Total Extension
	Min	Max	Min	Max	Min	Max	
5	20N	29N	38N	50N	65N	105%	
6.5	40N	58N	76N	100N	130N	105%	
8	60N	88N	116N	150N	196N	105%	
9.5	80N	120N	170N	210N	280N	105%	
12.5	150N	210N	280N	370N	480N	105%	
16	240N	350N	460N	600N	800N	105%	
19	340N	500N	650N	850N	1100N	105%	
22	460N	660N	880N	1150N	1500N	105%	
26	640N	930N	1250N	1600N	2100N	105%	
28	740N	1080N	1425N	1850N	2425N	105%	
32	970N	1410N	1875N	2425N	3200N	105%	

*All Thickness must be +/- 0.5% of the nominal diameter for BS

BRITISH STANDARD/BS3F7 LIGHT DUTY SHOCK CORD

LOAD TO GIVE EXTENSION OF :					
Diameter* (mm)	30%		75%		Total Extension
	Min	Max	Min	Max	
3	5N	7.5N	7.5N	11N	125%
4	9N	14N	14N	20N	125%
5	14N	22N	22N	31N	125%
5.5	17N	26N	26N	40N	125%
6.5	25N	36N	36N	53N	125%
8	37N	55N	55N	80N	125%
9.5	54N	78N	78N	114N	125%
11	70N	104N	104N	152N	125%

*All Thickness must be +/- 0.5% of the nominal diameter for BS

SUPERSTRETCH (19MM DIAMETER)

LOAD	EXTENSION
50%	235-305N
100%	350-450N
140%	460-600N

Technical data for commercial shock cord available on request.

POWER BANDS – HIGH STRENGTH SHOCK CORD ASSEMBLIES

Example industries include:

- Defence equipment applications
- Catapult launchers
- Resistance training
- Film & Theatre, including stunt work
- Zip wire braking systems
- Offshore anchoring systems
- Inflatable safety systems
- Leisure activities

