

TB – MP021

TECHNICAL BULLETIN

INFORMATION ONLY

For the Attention of : Graham Mears, Testers, Subcontract Installers, Service Branch Managers, Alan Wade, Will Roberts, Mike Wells

From: Pete Canning, Product Support Manager, Stannah Lifts Ltd

Date : 16 October 2016

Product : Xtralift 2.0 (MP)

Subject : **MP – Overspeed Governor Rope – aka ‘OSG’**

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Background

We have had issues with significant ‘rope stretch’ with the MP OSG rope, especially on long travel / high number of stops. Due to this, back in February 2016, MP upgraded the quality of rope supplied for the OSG on all MP lifts.

OSG Rope

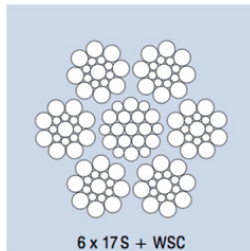
- From February 2016, an Xtralift made by MP comes with OSG rope DRAKO 250T 6.5mm, see data sheet below.
- This upgrade should reduce the number of occasions Testers and Service Engineers are having to adjust OSG ropes.

Ropes for Traction Drive Elevators Special Traction Ropes for Small Diameter Sheaves

Characteristics preformed, prestretched (medium), bright, right hand, ordinary lay
Please note special traction ropes outside of EN 12385-5, EN 81-1, for D/d ≤ 40 or rope diameter < 8.0 mm

TÜV Süd approved!

Technical Data

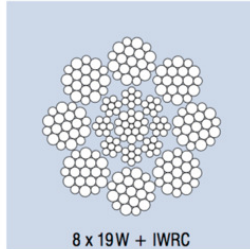


DRAKO STX

D/d ≥ 30*

Elastic Elongation¹⁾ ≤ 0.10 %
Permanent Elongation²⁾ ≤ 0.12 %

Nominal Rope diameter mm	Rope grades	Minimum breaking strength F _{min} kN	Length mass approx. kg/100 m	Metallic cross-section approx. mm ²
4*	1960	12.6	6.9	7.9
5	1960	20.0	10.9	12.5



DRAKO 250 T

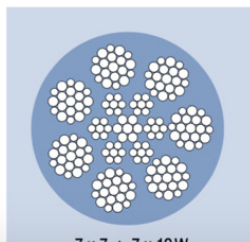
D/d ≥ 24.6**

Elastic Elongation¹⁾ ≤ 0.12 %
Permanent Elongation²⁾ ≤ 0.15 %

6**	1770	26.8	16.4	18.5
6.5	1770	31.5	17.9	20.6
8	1570	43.3	27.3	31.6

rope grade 1770 N/mm² for 8 mm also included, see page 19

Example:
Ø 8.0 mm



DRAKO PTX 300

D/d ≥ 25

Elastic Elongation¹⁾ ≤ 0.08 %
Permanent Elongation²⁾ ≤ 0.08 %

6	2700	25.2	11.0	12.1
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μ = 0.2 ... 0.5³⁾

Actions:

- SLL and SLSL engineers, you will still need to adjust the OSG rope and for older models with the previous rope you must check for rope stretch at PM visits or sooner, especially where the lift has long travel and/or a high number of stops.
- If the OSG rope stretches and is not shortened, there is a real possibility of the lift breaking down when it the ropes stretches onto the tension pulley switch.
- The picture below shows a typical OSG arrangement on an MP lift.
- At time of Test we will adjust the rope to ensure that it is at max clearance.



I hope you all find this Bulletin to be of help and should you have any questions about this topic or would like to know a little more then please contact me on **Ext 8646 or DDI 01264 34 36 46**

Pete Canning