

## TECHNICAL INSPECTION REPORT

Report no: GLIS/DELHI/FIPL/MFU-INDIA/2014/TIR-007 Rev-02

### General Data:

Manufacturer: **LINDER GmbH , Seevetal, Germany**  
 Place of test: Noida, India  
 Date of test: 6<sup>th</sup> September 2014

### Item and tests:

Assortment of Polyester Woven Lashing webbing with one way buckles.

The undersigned Surveyor of Germanischer Lloyd herewith confirms having witnessed the testing of one-way load restraint systems on 6<sup>th</sup> September 2014

### **The following tests were carried out:**

1. Overall breaking strength testing of Polyester woven lashing webbing (GW 40 13 mm 350 kg) with CB buckle phosphated. .

- Specified strength linear :	343.2daN / 350 kgs
- Actual strength linear :	351 daN / 357.92 kgs
Specified system strength :	548.8 daN / 560.00 kgs
Actual system strength:	575.5 daN / 586.84 kgs

2. Overall breaking strength testing of Polyester woven lashing webbing (GW50 16 mm 450 kg) with CB buckle phosphated. .

- Specified strength linear :	441.3 daN / 450 kgs
- Actual strength linear :	494 daN / 503 kgs
Specified system strength :	705.6 daN / 720 kgs
Actual system strength:	720 daN / 734.19 kgs

3. Overall breaking strength testing of Polyester woven lashing webbing (GW55 16 mm 600 kg) with CB buckle phosphated. .

- Specified strength linear :	588 daN / 600 kgs
- Actual strength linear :	620 daN / 632.2 kgs
Specified system strength :	940 daN / 960.00 kgs
Actual system strength:	955 daN / 973.82 kgs



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- 4. Overall breaking strength testing of Polyester woven lashing webbing (GW60 19mm 600 kg) with CB buckle phosphated. .
  - Specified strength linear : 588 daN / 600 kgs
  - Actual strength linear : 630 daN / 642.42 kgs
  - Specified system strength : 940.8 daN / 960 kgs
  - Actual system strength: 985.2 daN / 1004.62 kgs
  
- 5. Overall breaking strength testing of Polyester woven lashing webbing (GW 65 19 mm 750 kg) with CB buckle phosphated. .
  - Specified strength linear : 735 daN / 750 kgs
  - Actual strength linear : 740 daN / 754.58 kgs
  - Specified system strength : 1176 daN / 1200 kgs
  - Actual system strength: 1201.2 daN / 1224.88 kgs
  
- 6. Overall breaking strength testing of Polyester woven lashing webbing (GW65HD 19 mm 975 kg) with CB buckle phosphated. .
  - Specified strength linear : 955.5 daN / 975 kgs
  - Actual strength linear : 988.5 daN / 1008 kgs
  - Specified system strength : 1528.8 daN / 1560 kgs
  - Actual system strength: 1580 daN / 1611.5 kgs
  
- 7. Overall breaking strength testing of Polyester woven lashing webbing (GW65SHD 19mm 1100 kg) with CB buckle phosphated. .
  - Specified strength linear : 1078 daN / 1100 kgs
  - Actual strength linear : 1180 daN / 1203.26 kgs
  - Specified system strength : 1724.8 daN / 1760 kgs
  - Actual system strength: 1762 daN / 1796.73 kgs
  
- 8. Overall breaking strength testing of Polyester woven lashing webbing (GW85 25mm 1000kg) with CB buckle phosphated.
  - Specified strength linear : 980 daN / 1000 kgs
  - Actual strength linear : 1080 daN / 1101.29 kgs
  - Specified system strength : 1568 daN / 1600 kgs
  - Actual system strength: 1685.2 daN / 1718.42 kgs



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9. Overall breaking strength testing of Polyester woven lashing webbing (GW85HD 25 mm 1400 kg) with CB buckle phosphated. .

- Specified strength linear :	1372 daN / 1400 kgs
- Actual strength linear :	1448 daN / 1476.54 kgs
Specified system strength :	2195.2 daN / 2240 kgs
Actual system strength:	2220 daN / 2263.76 kgs

10. Overall breaking strength testing of Polyester woven lashing webbing (GW100 35mm 1400 kg) with CB buckle phosphated. .

- Specified strength linear :	1372 daN / 1400 kgs
- Actual strength linear :	1510 daN / 1539.77 kgs
Specified system strength :	2195.2 daN / 2240 kgs
Actual system strength:	2420 daN / 2467.71 kgs

### Remarks:

The above mentioned tests were carried out on a calibrated test bench.

New Delhi , India 6<sup>th</sup> September 2014



Surveyor to Germanischer Lloyd  
Md. Fasih Uddin