

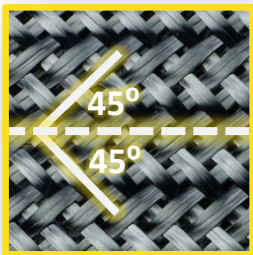
# CUSTOM MADE BRAIDS AND TAPES

## Custom made braids and tapes

Besides our selection of standard programs, Eurocarbon produces a large variety of tailor made constructions.

The benefit is the construction can be fine-tuned to the performance of the part and therefore save costs or increase performance compared to a standard product.

To define a new braid or woven tape, there is a minimum of information required to define tailor made construction. In the next sections the required information is described.



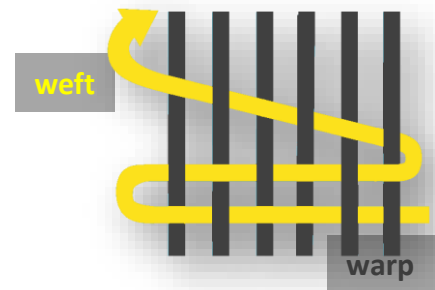
### Minimum required information for braids.

- Diameter measured at 45 degree braiding angle (or diameter at specific angle).
- Fiber materials: f.i. Carbon, E-Glass, Aramid, etc
- Hybrid construction? We can braid f.i. Carbon and Glass. Normally the ratio is 50/50 but other ratios can be selected.
- The weight of the braid at 45 degrees braiding angle / or the areal weight at 45 degrees.

If you have an existing sample for evaluation, please make sure it is approx. 20 cm in length.

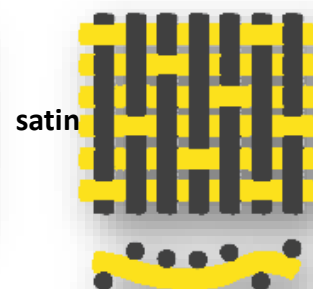
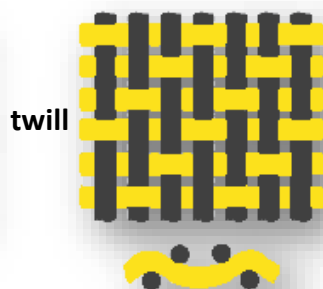
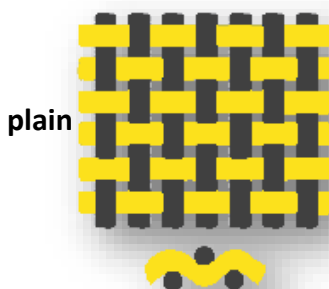
### Minimum required information for woven tapes

- Width of the tape
- Weight per m<sup>2</sup>
- Fibers in warp: Fiberglass, Aramid, Carbon, etc
- Fibers in weft : Fiberglass, Aramid, Carbon, etc
- Weave style (plain/twill/satin/other)
- Threads per cm in warp (if available)
- Threads per cm in weft (if available)



If the threads per cm in warp or weft are unknown, we need the ratio by weight for the warp and weft.

If you have an existing sample for evaluation, please make sure it is approx. 20 cm in length



# STANDARD PROGRAM CARBON FIBER BRAIDS

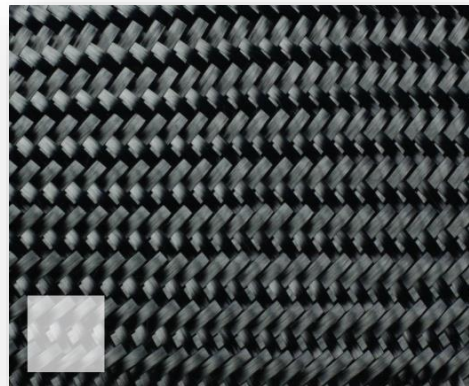


## Carbon fiber braids

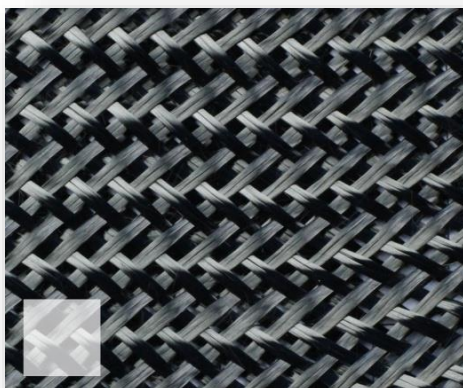
The tubular carbon fiber braids program is made of high quality carbon fibers. The fiber densities which we are using, are 3K, 6K and 12K fibers. These fibers create respectively the light, medium and heavy braids in our program.



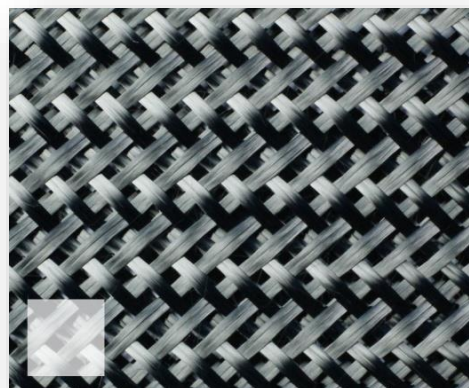
A 144/01



B 96/15



B 96/24




B 120-04

# STANDARD PROGRAM

## CARBON FIBER BRAIDS

### Carbon fiber braids

#### Light Weight (3K Fibers)

| Article                                                                                   | Diameter at $\pm 45^\circ$ in mm | Weight per m at $\pm 45^\circ$ (g/m) | Fabric weight $\text{g/m}^2$ | Thickness at 50% FV mm | Yield m/kg at $\pm 45^\circ$ |
|-------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|------------------------------|------------------------|------------------------------|
| A 24/10                                                                                   | 5                                | 7                                    | 446                          | 0,46                   | 143                          |
| A 36/2                                                                                    | 10                               | 10                                   | 303                          | 0,40                   | 91                           |
| A 48/10                                                                                   | 15                               | 14                                   | 297                          | 0,31                   | 77                           |
| A 60/2                                                                                    | 20                               | 17                                   | 271                          | 0,35                   | 50                           |
| A 96/14                                                                                   | 25                               | 27                                   | 344                          | 0,40                   | 37                           |
| A 120/1                                                                                   | 30                               | 34                                   | 361                          | 0,40                   | 30                           |
| A 144/1  | 40                               | 41                                   | 325                          | 0,37                   | 24                           |

#### Middle Weight (6K Fibers)

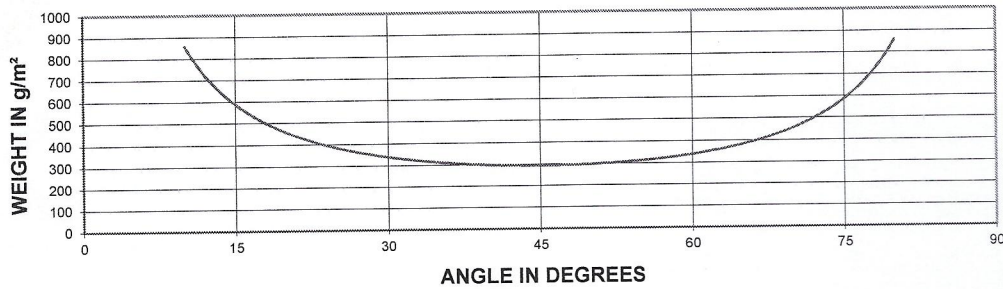
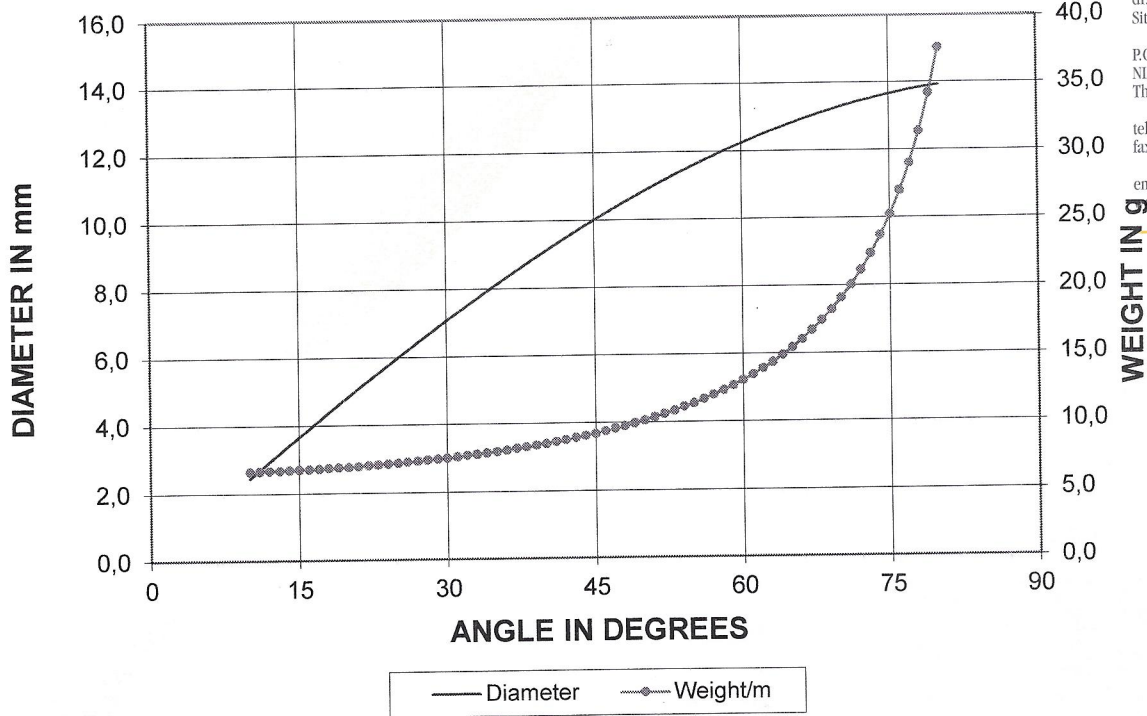
| Article                                                                                     | Diameter at $\pm 45^\circ$ in mm | Weight per m at $\pm 45^\circ$ (g/m) | Fabric weight $\text{g/m}^2$ | Thickness at 50% FV mm | Yield m/kg at $\pm 45^\circ$ |
|---------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|------------------------------|------------------------|------------------------------|
| B 24/6                                                                                      | 10                               | 14                                   | 446                          | 0,47                   | 77                           |
| B 36/1                                                                                      | 15                               | 20                                   | 424                          | 0,48                   | 50                           |
| B 48/9                                                                                      | 20                               | 27                                   | 430                          | 0,48                   | 37                           |
| B 60/1                                                                                      | 25                               | 34                                   | 433                          | 0,55                   | 26                           |
| B 80/2                                                                                      | 30                               | 45                                   | 458                          | 0,56                   | 21                           |
| B 96/15  | 40                               | 54                                   | 430                          | 0,48                   | 19                           |
| B 96/9                                                                                      | 50                               | 54                                   | 344                          | 0,39                   | 19                           |
| B 120/7                                                                                     | 60                               | 68                                   | 361                          | 0,41                   | 15                           |
| B 144/5                                                                                     | 70                               | 81                                   | 368                          | 0,40                   | 13                           |
| B 96/24  | 80                               | 109                                  | 434                          | 0,49                   | 9,3                          |
| B 120/5                                                                                     | 90                               | 136                                  | 481                          | 0,55                   | 7,4                          |
| B 120/4  | 100                              | 136                                  | 433                          | 0,57                   | 7,2                          |
| B 144/6                                                                                     | 125                              | 163                                  | 415                          | 0,47                   | 6,3                          |

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## DATASHEET BRAIDED SLEEVE

Article **GL-010-009** **GG 10 - 9**



**Material :**  
EC09 68x2 S152 1383 (1)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 7   | 10  | 12  | mm               |
|                | WEIGHT   | 8   | 9   | 13  | g/m              |
|                | WEIGHT   | 339 | 294 | 339 | g/m <sup>2</sup> |

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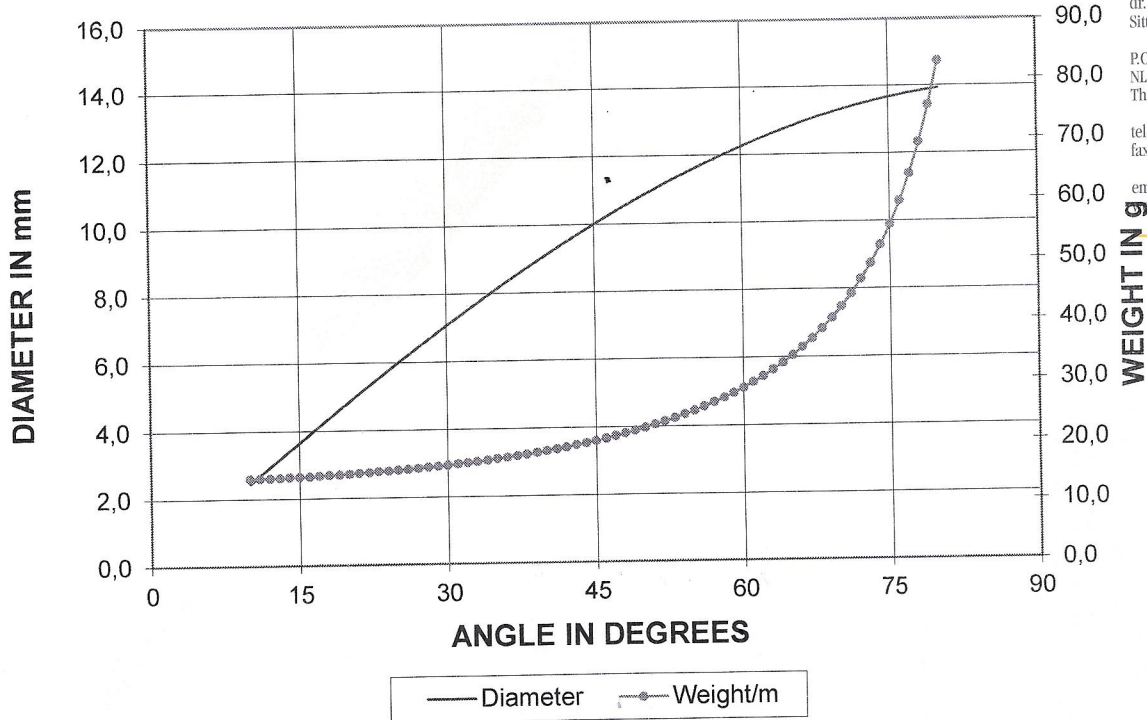
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Trade register nr. 63623641

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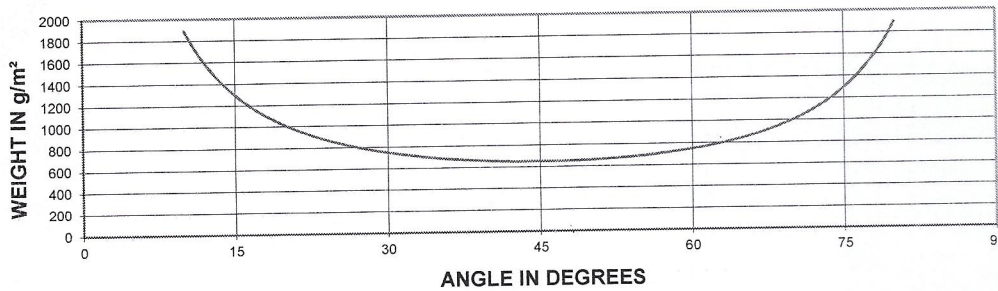


# DATASHEET BRAIDED SLEEVE

Article **GM-010-020** **GG 10 - 20**



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**Material :**  
48\*EC13 300 TD22G

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 7   | 10  | 12  | mm               |
|                | WEIGHT   | 17  | 20  | 29  | g/m              |
|                | WEIGHT   | 749 | 648 | 749 | g/m <sup>2</sup> |

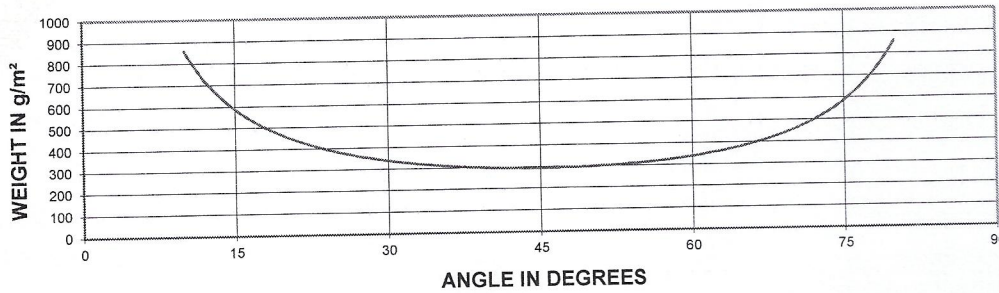
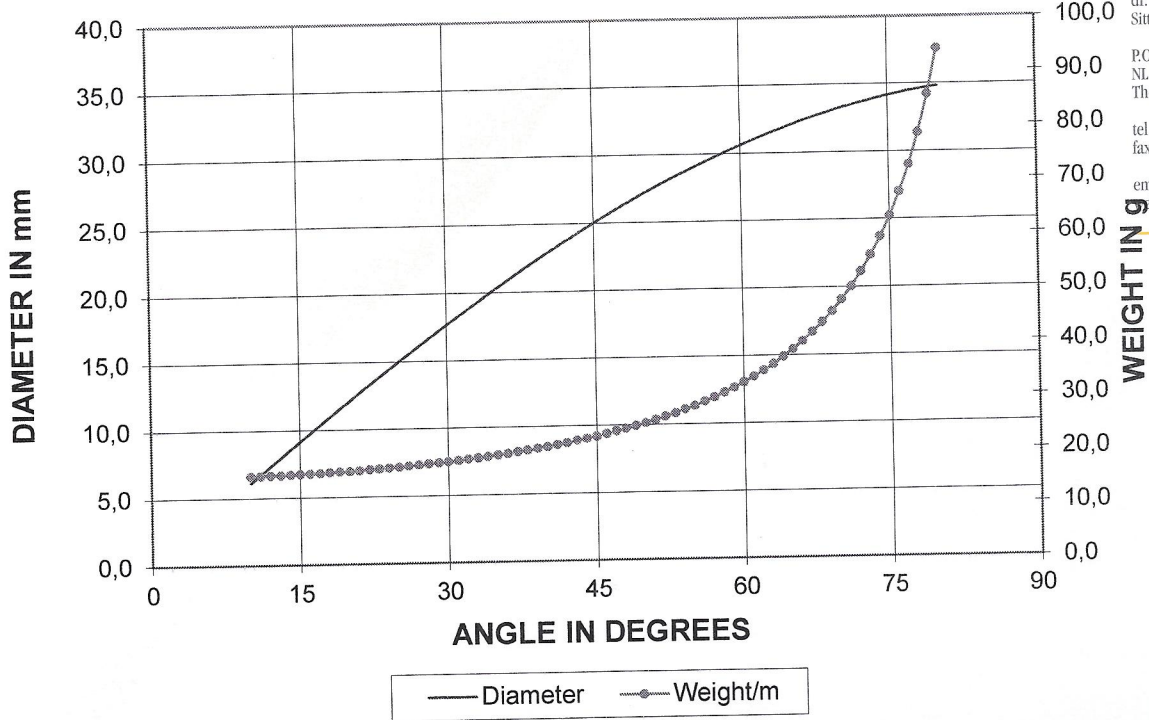
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## DATASHEET BRAIDED SLEEVE

Article **GL-025-023** **GG 25 - 23**



**Material :**  
EC09 68x2 S152 1383 (1)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 18  | 25  | 31  | mm               |
|                | WEIGHT   | 19  | 23  | 33  | g/m              |
|                | WEIGHT   | 339 | 294 | 339 | g/m <sup>2</sup> |

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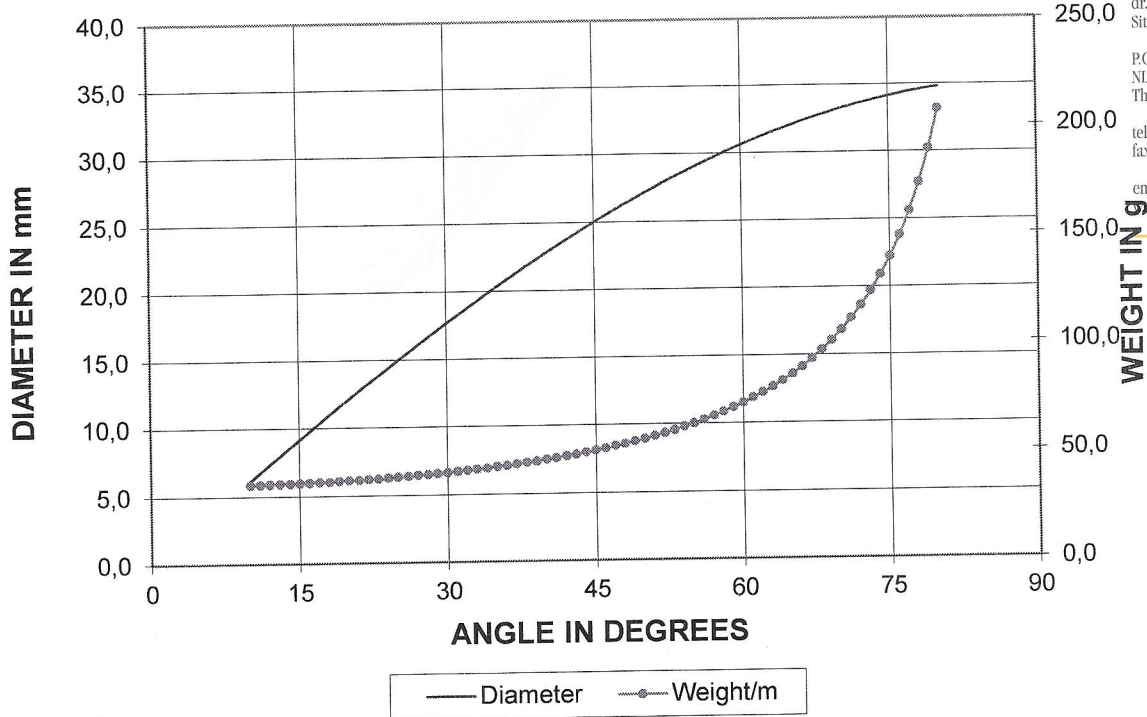
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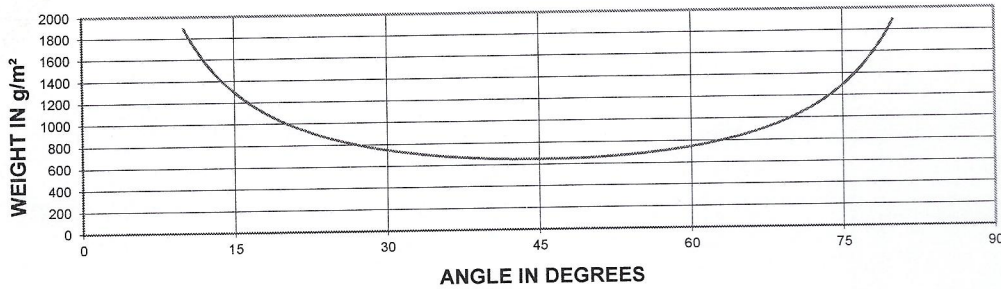


## DATASHEET BRAIDED SLEEVE

Article **GM-025-051** **GG 25 - 51**



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**Material :**  
60°EC13 300 TD22G (2)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 18  | 25  | 31  | mm               |
|                | WEIGHT   | 42  | 51  | 72  | g/m              |
|                | WEIGHT   | 749 | 648 | 749 | g/m <sup>2</sup> |

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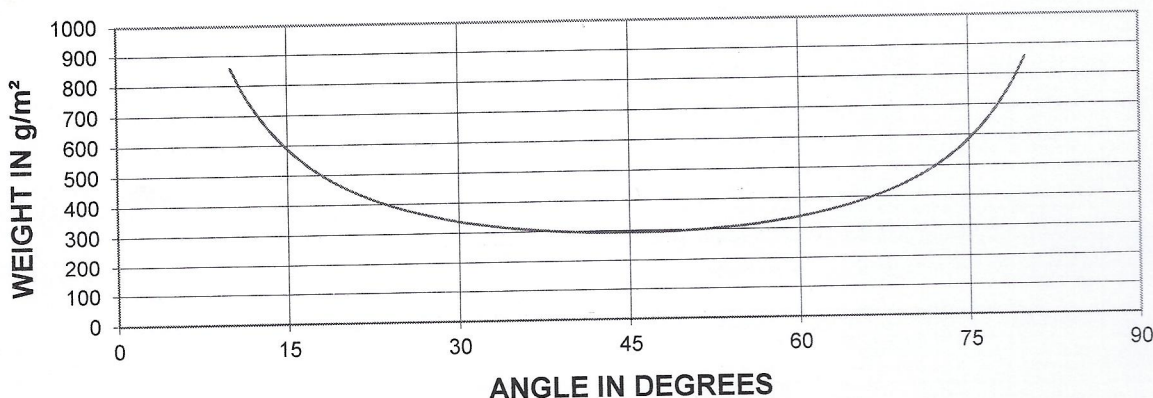
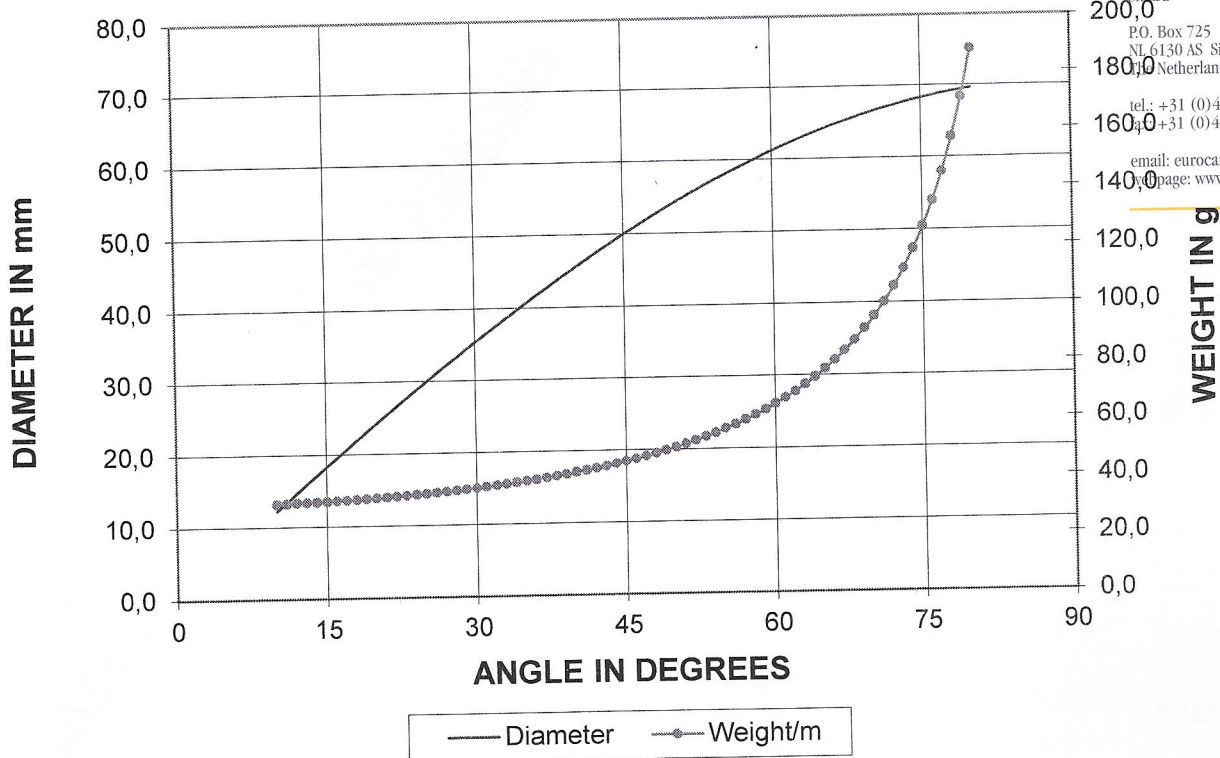
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# DATASHEET BRAIDED SLEEVE

Article number **GL-050-046** **GL 50 - 46**

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**Material :**  
120 x 68x2(2) S152 1383 (2)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 35  | 50  | 61  | mm               |
|                | WEIGHT   | 38  | 46  | 65  | g/m              |
|                | WEIGHT   | 339 | 294 | 339 | g/m <sup>2</sup> |

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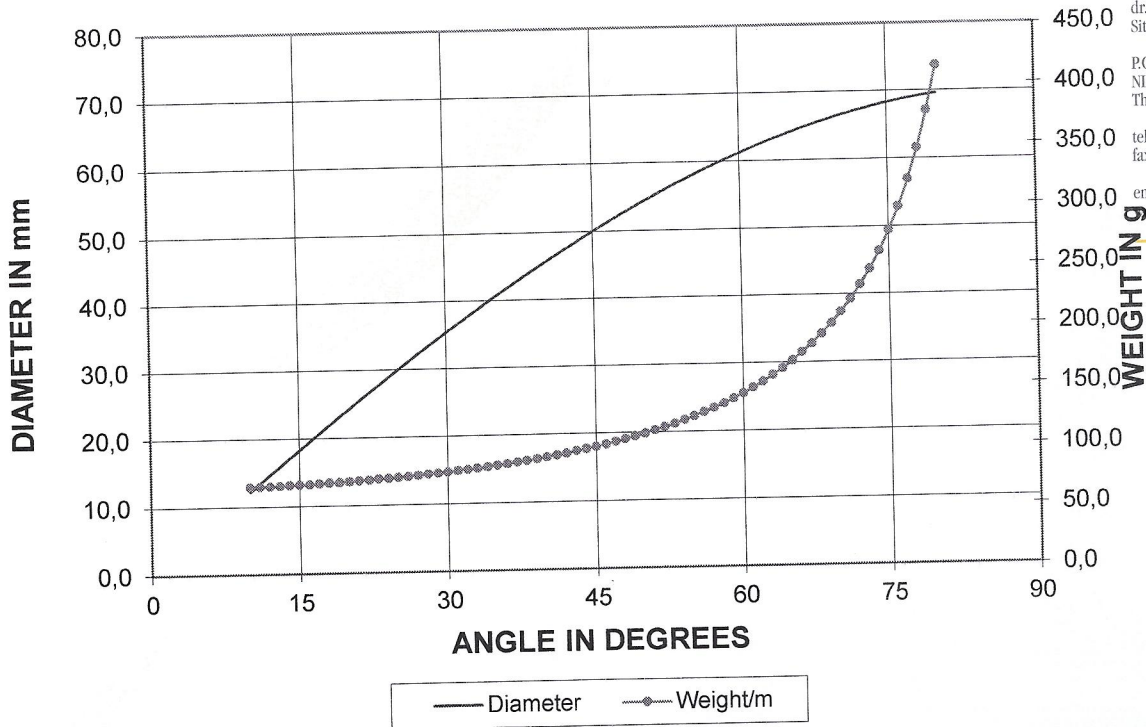


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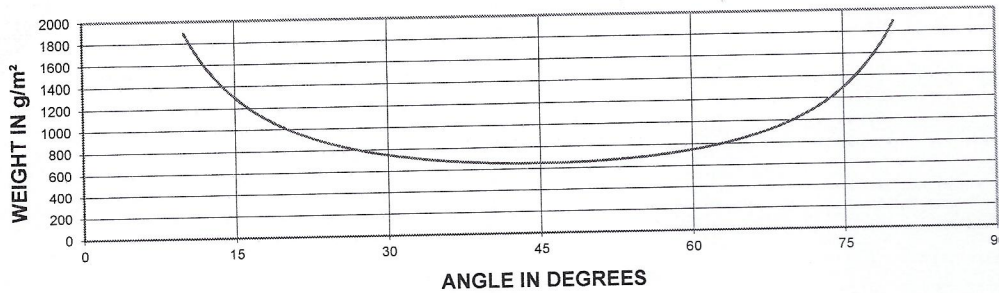


# DATASHEET BRAIDED SLEEVE

Article **GM-050-102** **GG 50 - 102**



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**Material :**  
120\*EC13 300 Z20 TD22G (2)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 35  | 50  | 61  | mm               |
|                | WEIGHT   | 83  | 102 | 144 | g/m              |
|                | WEIGHT   | 749 | 648 | 749 | g/m <sup>2</sup> |

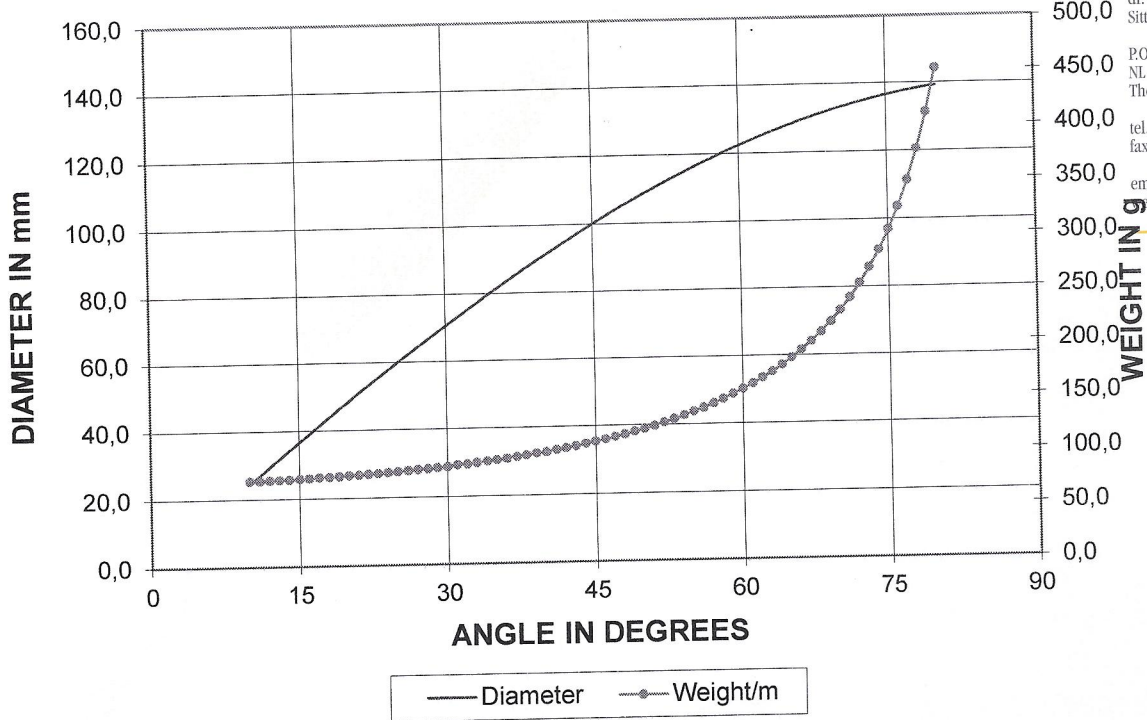
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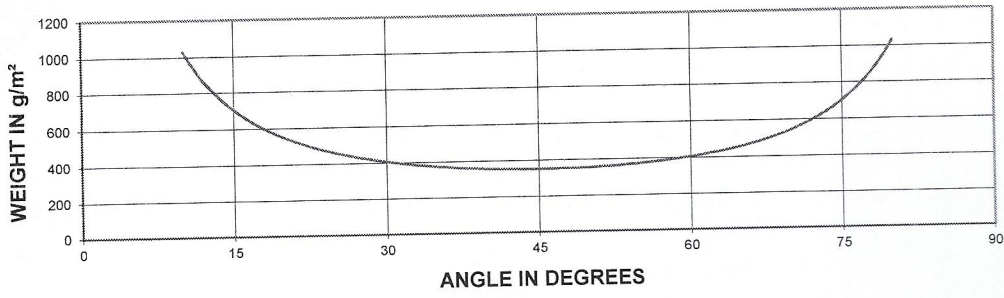


# DATASHEET BRAIDED SLEEVE

Article **GL100-112** **GG 100 - 111**



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**Material :**  
144\*EC09 68\*2 S152 1383(4)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 71  | 100 | 122 | mm               |
|                | WEIGHT   | 90  | 111 | 157 | g/m              |
|                | WEIGHT   | 407 | 353 | 407 | g/m <sup>2</sup> |

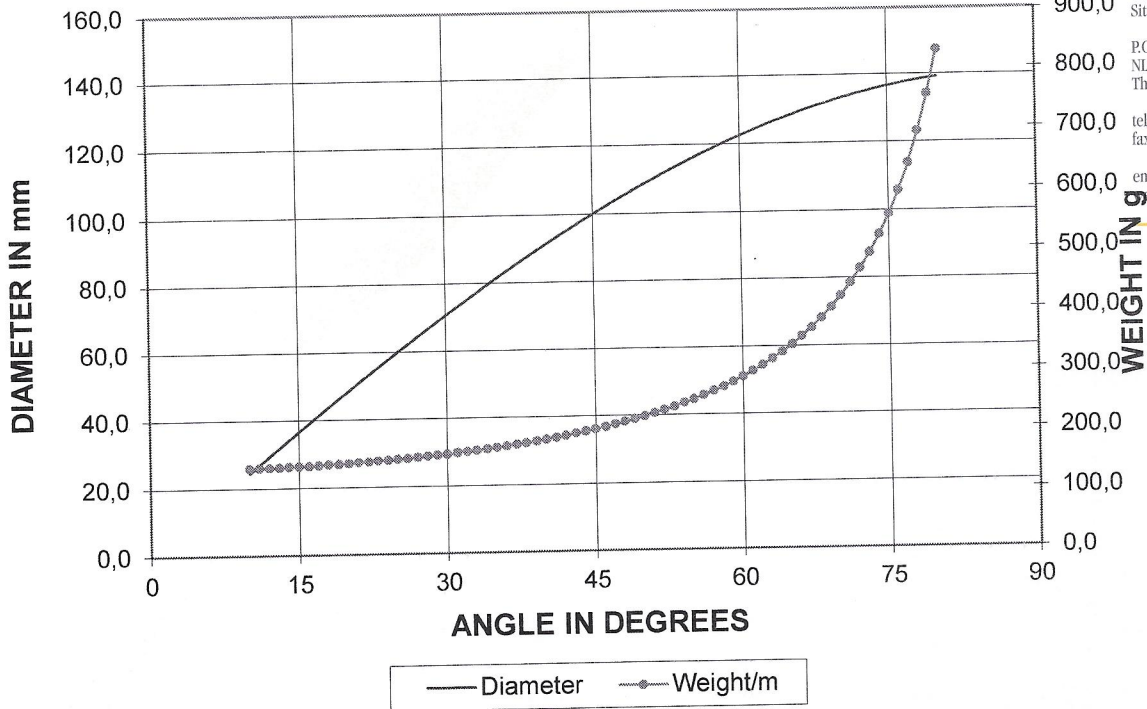
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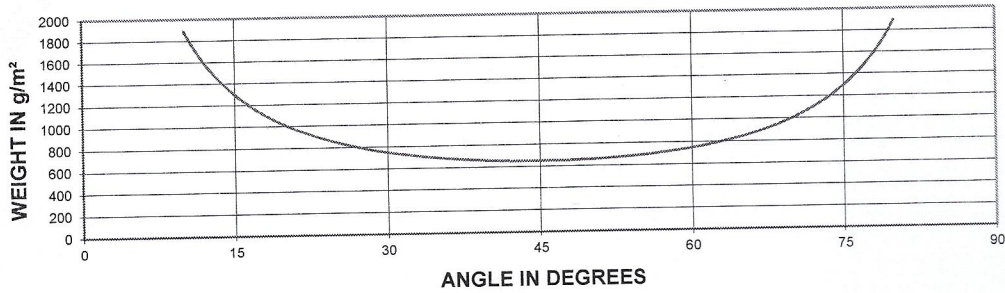


# DATASHEET BRAIDED SLEEVE

Article **GM-100-203** **GG 100 - 204**



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**Material :**  
120\*EC13 300 Z20 TD22G (4)

| Tubular Braid: | ANGLE    | 30° | 45° | 60° |                  |
|----------------|----------|-----|-----|-----|------------------|
|                | DIAMETER | 71  | 100 | 122 | mm               |
|                | WEIGHT   | 166 | 204 | 288 | g/m              |
|                | WEIGHT   | 749 | 648 | 749 | g/m <sup>2</sup> |

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