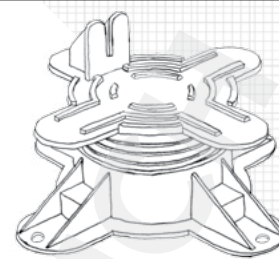


# PRODUCT DATA SHEET

This issue dated 24.11.2016 is not subject to print or paper form.

# LIFTO

## ADJUSTABLE PEDESTAL



### DESCRIPTION

LIFTO is a Pedestal- system for height adjustment [spacer] between a terrace substructure and foundation.

### APPLICATION

Situated height adjustment unit [Pressure loading] for a terrace substructure.

### FUNCTION DESCRIPTION

The terrace substructure of wood, wood-like material or aluminum is placed on the adjustable pedestal and secured to prevent slipping. The required height adjustment is achieved by turning right or left of the trapezoid thread at the base [base]. The variable adjustment [trapezoidal thread] from 35 to 55 mm allows for continuous adjustment of the distance between the substructure and foundation. An automatic tilt compensation - up to 1 degree - is absorbed by the trapezoidal thread.

### MATERIAL

Polypropylene PP compound in black

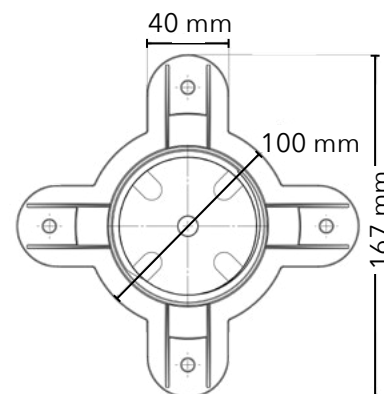
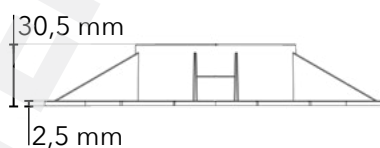
Application for exterior terrace construction purposes- enhanced frost and heat resistance

### STANDARD - CE MARK

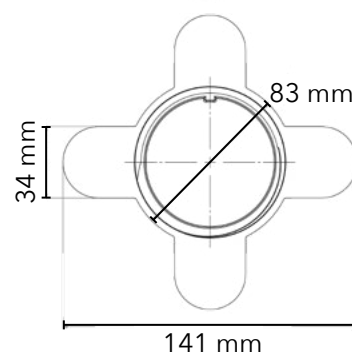
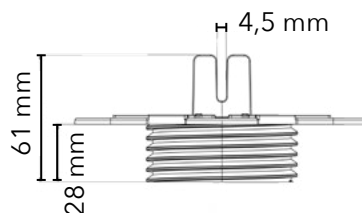
The scope of application is not subject to approvals, certificates, etc. due to the lack of standard conformity requirements.

### DIMENSIONS

BASE UNIT  
[BOTTOM COMPONENT]



TOP PLATE  
[TOP COMPONENT]

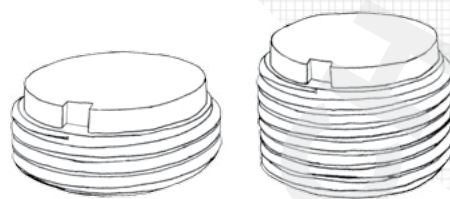


All data is based on our present knowledge and experience - a guarantee can not be derived from our data. The suitability of the product for a specific application can only be ensured by means of a test or trial. Errors, assortments and technical modifications are reserved. This is a translation - in case of doubt, please consult the original German version.

# PRODUCT DATA SHEET

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## LIFTO ADAPTER



### DESCRIPTION

LIFTO adapters are used for increased Height adjustment [spacer] between a terrace substructure and foundation.

### APPLICATION

Accessories for LIFTO adjustable pedestal - raising and extending of the situated height adjustment unit [pressure loading] up. 295 mm

### FUNCTION DESCRIPTION

The adapters are designed to increase the adjustment height by 20 mm or 40 mm, securing with a a plug-in function and twisting. The adapters are inserted between the top and bottom parts of the base unit.

### MATERIAL

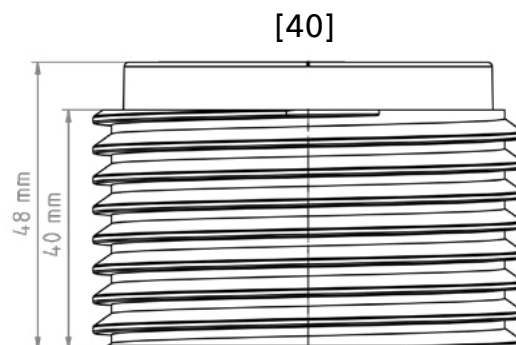
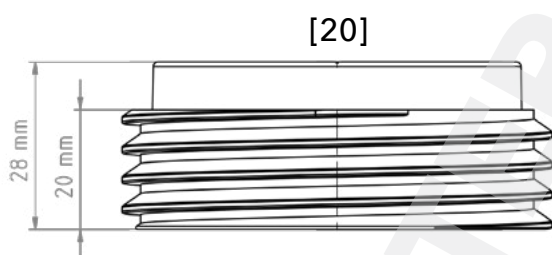
Polypropylene PP compound in black

Application for exterior terrace construction purposes- enhanced frost and heat resistance

### STANDARD - CE MARK

The scope of application is not subject to approvals, certificates, etc. due to the lack of standard conformity requirements.

### DIMENSIONS



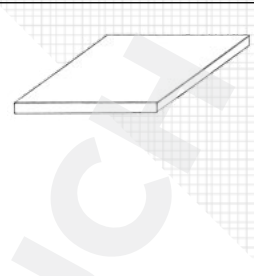
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# GUMO LG

## EPDM PRESSURE PAD



### DESCRIPTION

GUMO LG pressure distribution plate is used for the distribution of pressure and as a neutral separating layer between roofing membranes and the adjustable pedestal.

[It maybe required to refer to the membranes manufacturer regarding any chemical reaction issues between the pressure distribution plate and roof membrane material.]

### APPLICATION

The pedesal [base unit] is positioned central on top of the pressure distribution plate.

### FUNCTION DESCRIPTION

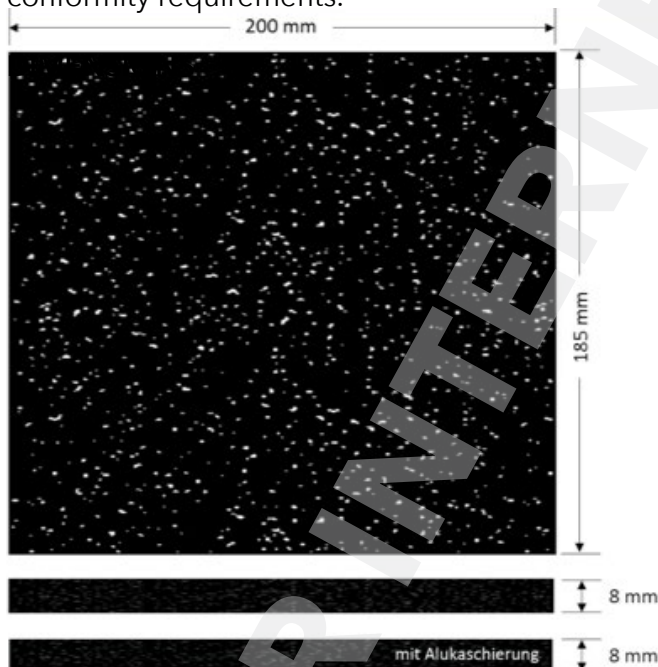
The pressure distribution plate prevents mechanical damages to the roofing membrane. The pressure loading is increased through controlled weight distribution by absorbtion of the material.

### MATERIAL

PUR-bonded rubber granulate mat in black

### STANDARD - CE MARK

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# PRODUCT DATA SHEET - LIFTO

## TEST PROCESS

Connectors with mechanical connecting means - general principles concerning the determination of strength and deformation behavior.

## SELECTED LOADING METHODS:

Applied threshold force, feed rate 4.00 mm/min.

Loads are increased up to breaking point.

## MECHANICAL CHARACTERISTICS

The determination of the limit values are in the loading direction of pressure. The mechanical properties of strength and deformation behavior were identified through a pressure test.

## TEST PIECE SUMMARY

### PRESSURE LOADING

Force absorption F [kN] / deformation displacement S [mm]

Parametersatz max. Kraftaufnahme und Verformung

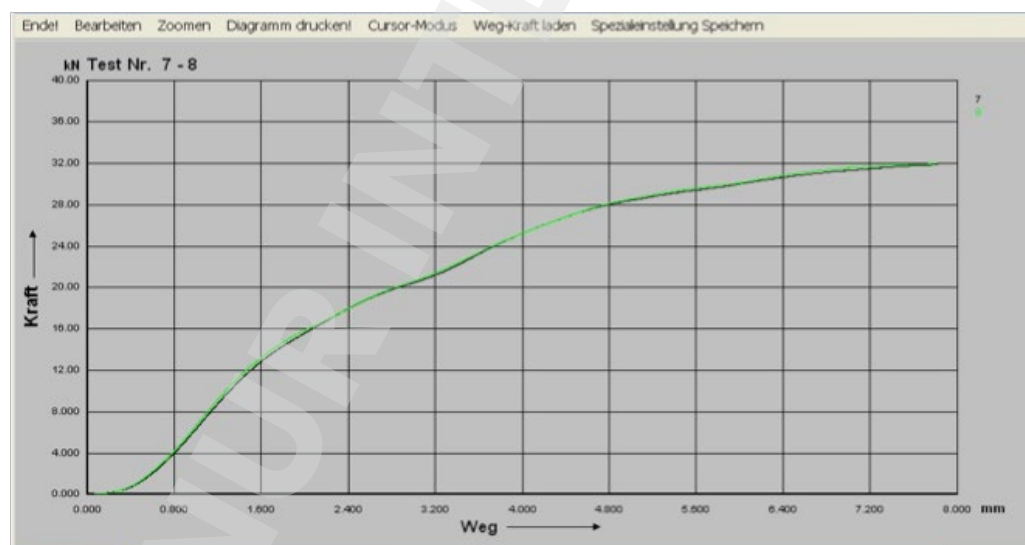


## TEST CONFIGURATION

LIFTO Pedestal adjustment 35 - 35 mm

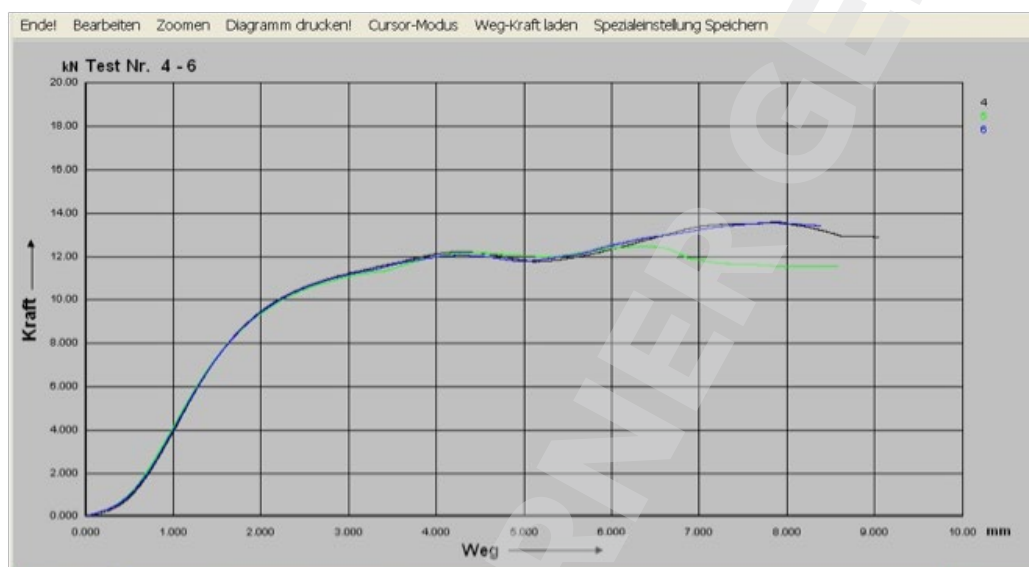
Position 35 mm | 45 mm | 55 mm

| PRESSURE-LOADING                      | LIFTO 35 mm |        |        |        |        |        |
|---------------------------------------|-------------|--------|--------|--------|--------|--------|
|                                       | F [kN]      | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 31,86       | 7,83   | 25,33  | 4,00   | 16,00  | 2,00   |
|                                       | 31,95       | 7,80   | 25,33  | 4,00   | 16,00  | 2,00   |
| Mean Value                            | 31,91       | 7,82   | 25,33  | 4,00   | 16,00  | 2,00   |
| Minimum                               | 31,86       | 7,80   | 25,33  | 4,00   | 16,00  | 2,00   |
| Maximum                               | 31,95       | 7,83   | 25,33  | 4,00   | 16,00  | 2,00   |
| Max. load_deformation external thread |             |        |        |        |        |        |



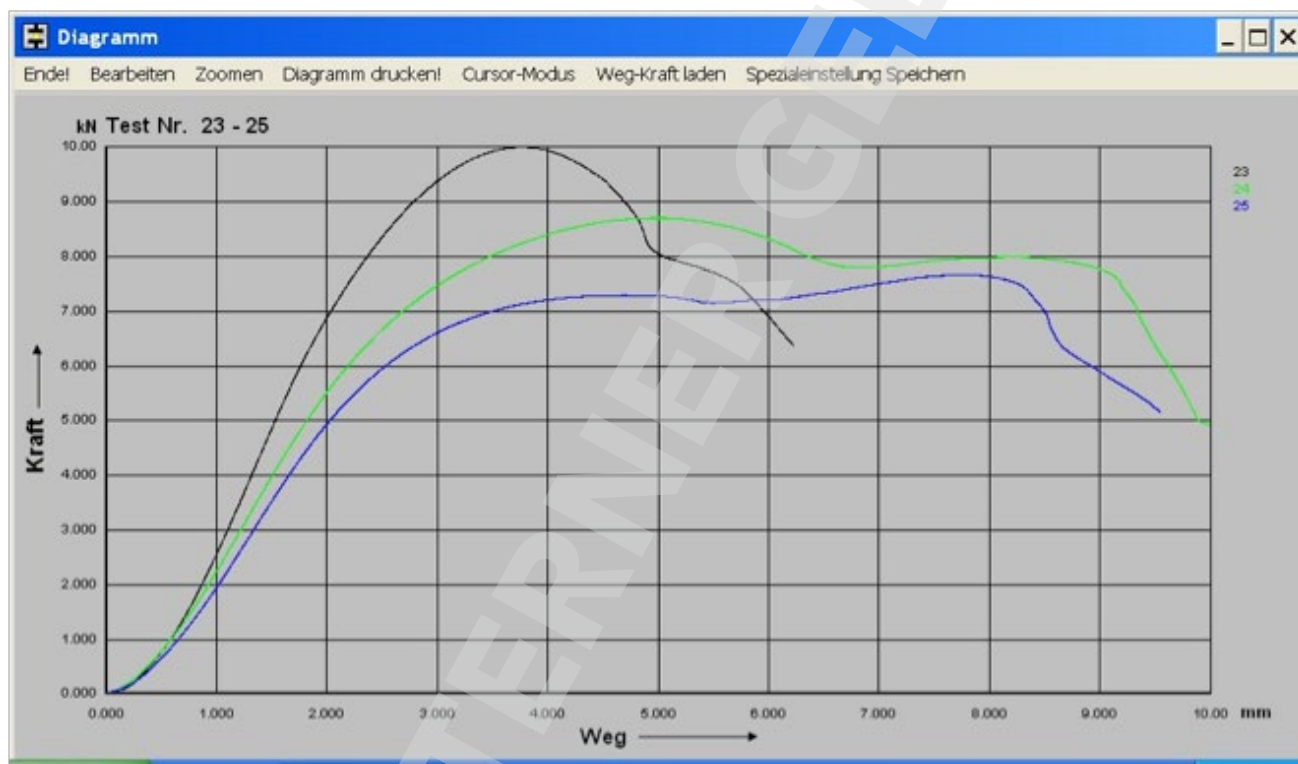
# PRODUCT DATA SHEET - LIFTO

| PRESSURE-<br>LOADING                  | LIFTO 45 mm |        |        |        |        |        |
|---------------------------------------|-------------|--------|--------|--------|--------|--------|
|                                       | F [kN]      | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 13,58       | 7,85   | 12,16  | 4,00   | 9,50   | 2,00   |
|                                       | 12,44       | 6,38   | 12,00  | 4,00   | 9,50   | 2,00   |
|                                       | 13,53       | 7,80   | 12,00  | 4,00   | 9,50   | 2,00   |
| Mean Value                            | 13,18       | 7,34   | 12,05  | 4,00   | 9,50   | 2,00   |
| Minimum                               | 12,44       | 6,38   | 12,00  | 4,00   | 9,50   | 2,00   |
| Maximum                               | 13,58       | 7,85   | 12,16  | 4,00   | 9,50   | 2,00   |
| Max. load_deformation external thread |             |        |        |        |        |        |



# PRODUCT DATA SHEET - LIFTO

| PRESSURE-LOADING                      | LIFTO 55 mm |        |        |        |        |        |
|---------------------------------------|-------------|--------|--------|--------|--------|--------|
|                                       | F [kN]      | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 6,85        | 6,82   | 6,88   | 4,00   | 5,69   | 2,00   |
|                                       | 6,94        | 6,46   | 6,75   | 4,00   | 5,69   | 2,00   |
|                                       | 7,18        | 6,79   | 6,63   | 4,00   | 5,50   | 2,00   |
| Mean Value                            | 6,99        | 6,69   | 6,75   | 4,00   | 5,62   | 2,00   |
| Minimum                               | 6,85        | 6,46   | 6,63   | 4,00   | 5,50   | 2,00   |
| Maximum                               | 7,18        | 6,82   | 6,88   | 4,00   | 5,69   | 2,00   |
| Max. load_deformation external thread |             |        |        |        |        |        |



# PRODUCT DATA SHEET - LIFTO

## TEST CONFIGURATION

LIFTO adjustable pedestal with 2 pcs. Adapter 20mm

Height 75 mm [Position 35 mm + 2 x 20 mm]

Height 85 mm [Position 45 mm + 2 x 20 mm]

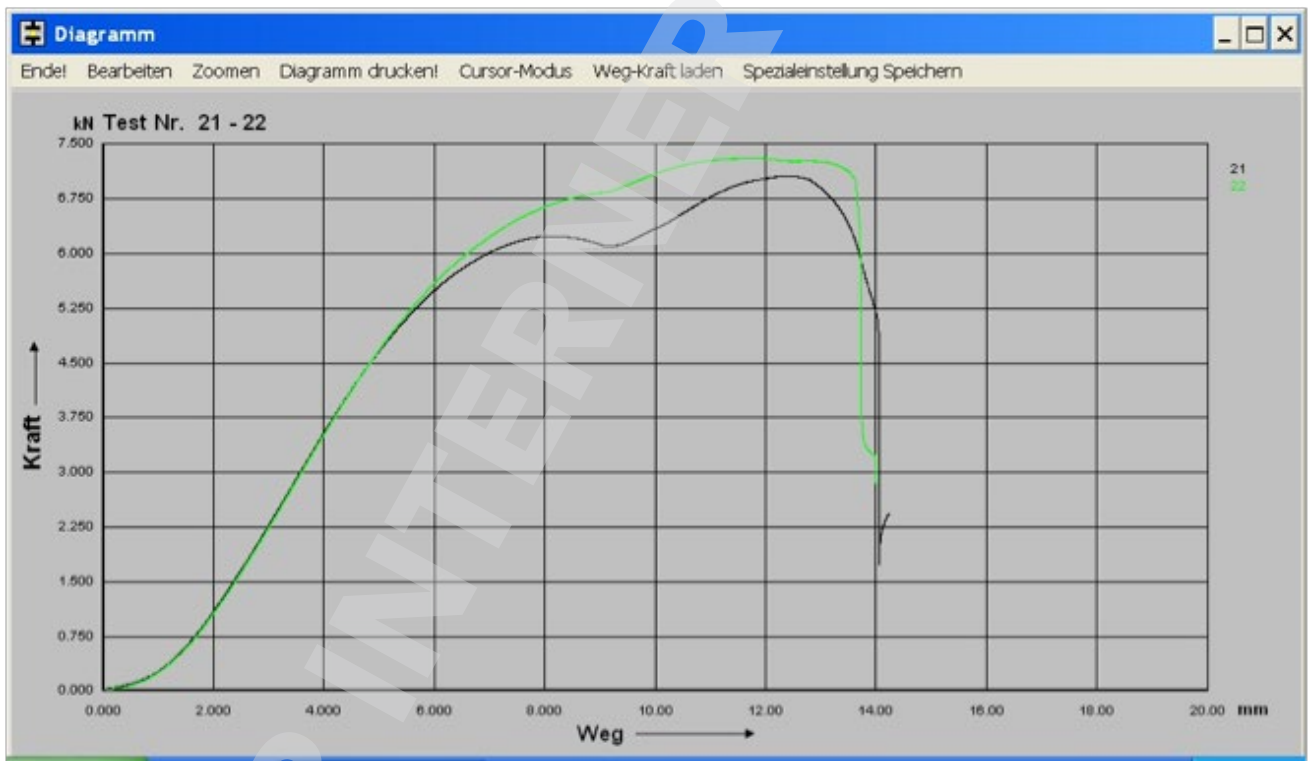
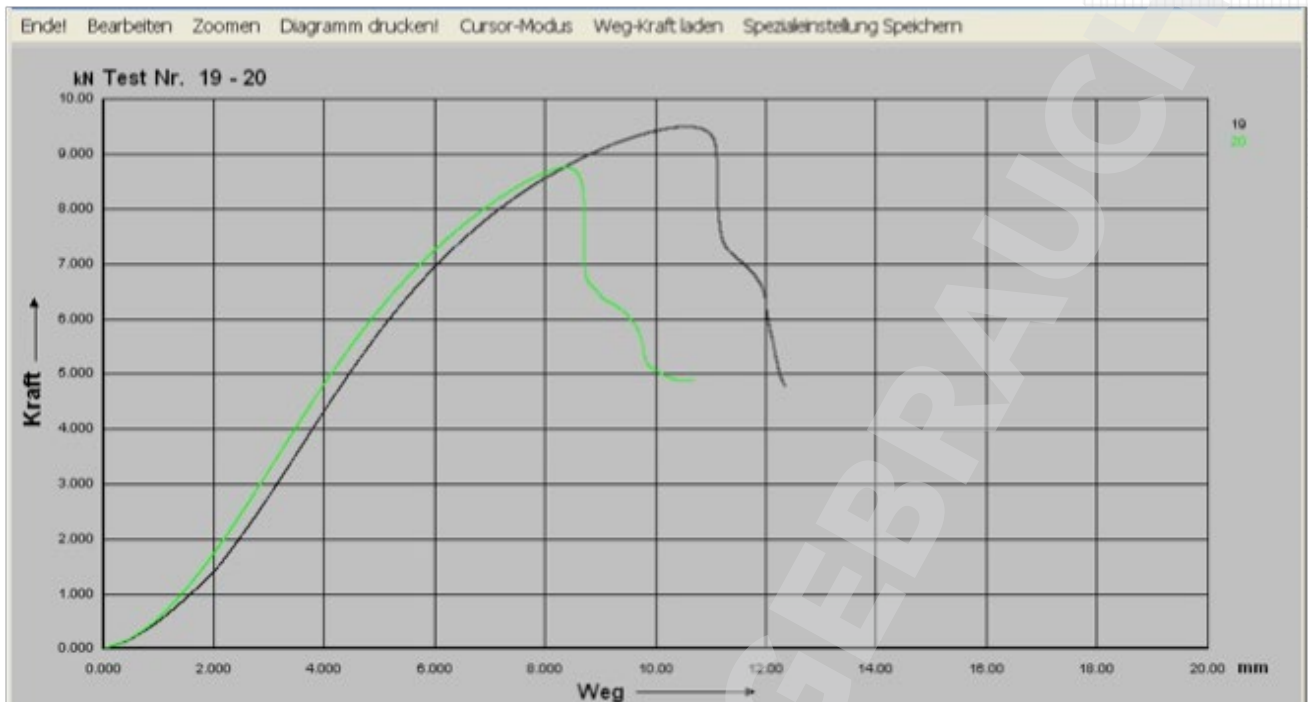
Height 95 mm [Position 55 mm + 2 x 20 mm]

| PRESSURE-<br>LOADING                  | LIFTO + 2 Adapter 20 [Height 75 mm] |        |        |        |        |        |
|---------------------------------------|-------------------------------------|--------|--------|--------|--------|--------|
|                                       | F [kN]                              | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 10,00                               | 3,75   | 9,93   | 4,00   | 6,83   | 2,00   |
| Mean Value                            | 10,00                               | 3,75   | 9,93   | 4,00   | 6,83   | 2,00   |
| Minimum                               | 10,00                               | 3,75   | 9,93   | 4,00   | 6,83   | 2,00   |
| Maximum                               | 10,00                               | 3,75   | 9,93   | 4,00   | 6,83   | 2,00   |
| Max. load_deformation external thread |                                     |        |        |        |        |        |

| PRESSURE-<br>LOADING                  | LIFTO + 2 Adapter 20 [Height 85 mm] |        |        |        |        |        |
|---------------------------------------|-------------------------------------|--------|--------|--------|--------|--------|
|                                       | F [kN]                              | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 8,70                                | 4,94   | 8,40   | 4,00   | 5,83   | 2,00   |
| Mean Value                            | 8,70                                | 4,94   | 8,40   | 4,00   | 5,83   | 2,00   |
| Minimum                               | 8,70                                | 4,94   | 8,40   | 4,00   | 5,83   | 2,00   |
| Maximum                               | 8,70                                | 4,94   | 8,40   | 4,00   | 5,83   | 2,00   |
| Max. load_deformation external thread |                                     |        |        |        |        |        |

| PRESSURE-<br>LOADING                  | LIFTO + 2 Adapter 20 [Height 95 mm] |        |        |        |        |        |
|---------------------------------------|-------------------------------------|--------|--------|--------|--------|--------|
|                                       | F [kN]                              | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 7,66                                | 7,73   | 7,23   | 4,00   | 4,96   | 2,00   |
| Mean Value                            | 7,66                                | 7,73   | 7,23   | 4,00   | 4,96   | 2,00   |
| Minimum                               | 7,66                                | 7,73   | 7,23   | 4,00   | 4,96   | 2,00   |
| Maximum                               | 7,66                                | 7,73   | 7,23   | 4,00   | 4,96   | 2,00   |
| Max. load_deformation external thread |                                     |        |        |        |        |        |

# PRODUCT DATA SHEET - LIFTO



# PRODUCT DATA SHEET - LIFTO

## TEST CONFIGURATION

LIFTO adjustable pedestal with 6 pcs. Adapter 40mm

Height 275 mm [Position 35 mm + 6 x 40 mm]

Height 285 mm [Position 45 mm + 6 x 40 mm]

Height 295 mm [Position 55 mm + 6 x 40 mm]

| PRESSURE-<br>LOADING                  | LIFTO + 6 Adapter 40 [Height 275 mm] |        |        |        |        |        |
|---------------------------------------|--------------------------------------|--------|--------|--------|--------|--------|
|                                       | F [kN]                               | S [mm] | F [kN] | S [mm] | F [kN] | S [mm] |
|                                       | 9,68                                 | 11,89  | 4,20   | 4,00   | 2,17   | 2,00   |
|                                       | 9,52                                 | 9,84   | 5,14   | 4,00   | 1,78   | 2,00   |
| Mean Value                            | 9,60                                 | 10,87  | 4,67   | 4,00   | 1,97   | 2,00   |
| Minimum                               | 9,52                                 | 9,84   | 4,20   | 4,00   | 1,78   | 2,00   |
| Maximum                               | 9,68                                 | 11,89  | 5,14   | 4,00   | 2,17   | 2,00   |
| Max. load_deformation external thread |                                      |        |        |        |        |        |