



TELERGO-FLEX-L-1600



TELERGO-L-3-2000



TELERGO-L-2-2400

Application

TELERGO extraction arms are designed for effective extraction of welding dust and gas contamination, as well as other small dust particles – directly at the emission source, not allowing the contamination to spread in the working area and preventing from being inhaled by people.

The extraction arms can be applied in any areas where the workspace is limited. Commonly, this is the case in welding schools, where the welding boots are very small.

The extraction arm can work as a single appliance, with its own extraction fan, or in a group of local exhausts connected to the main collecting ductwork (with a central fan).

Structure

The extraction arm consists of following assemblies:

- swivel,
- suction hood with a shut-off damper,
- pipe segments of telescopic construction – the segments are sliding one into the another (in case of TELERGO Flex the supporting structure is made of the sliders inside the flexible hose).

Pipe segments are made of stainless steel sheet, whereas the swivel of cast aluminium elements. The nominal diameter of the arms is 6". The extraction arm is equipped with a frictional joint located near the swivel.

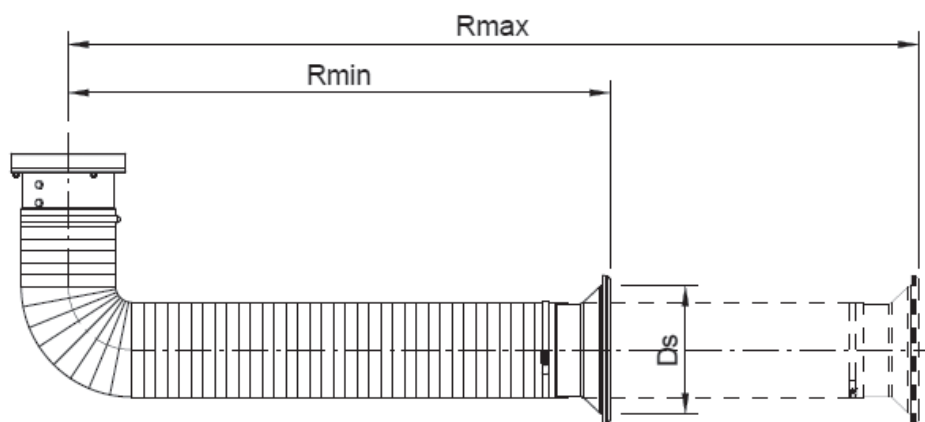
Operational use

To install the extraction arm on a wall (or supporting column) use a wall bracket. Additionally, the wall bracket is an appropriate installing point for the extraction fan or the connection fitting piece.

The pipe-segments can be slid telescopically, one segment can turn within the other segment, providing the most useful position of the suction hood.

Adequately adjusted frictional joint gives easy manoeuvrability with the arm. The suction hood is equipped with a shut-off damper to adjust the air volume flow.

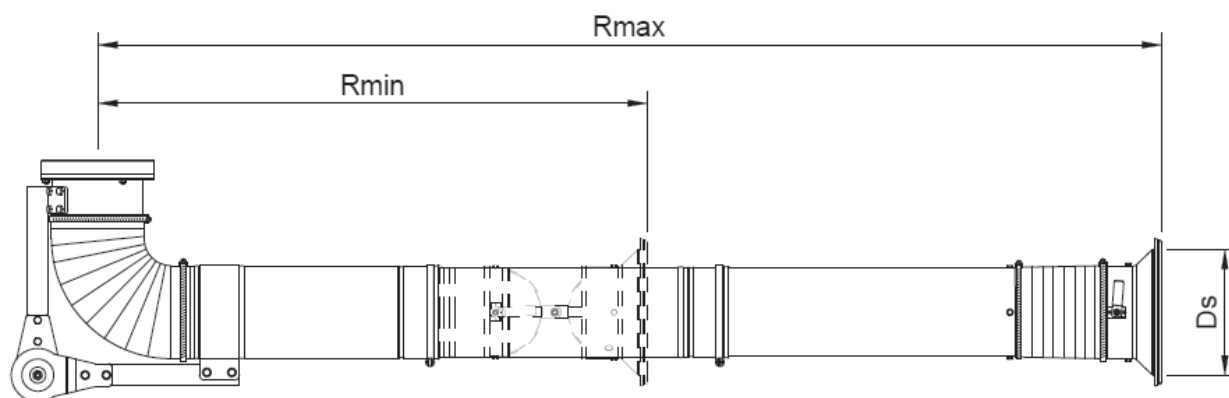
The TELERGO-L-3-3000 is additionally equipped with a support of the gas spring improving the manoeuvrability performance.



TELERGO-FLEX-L-1600

Technical Data

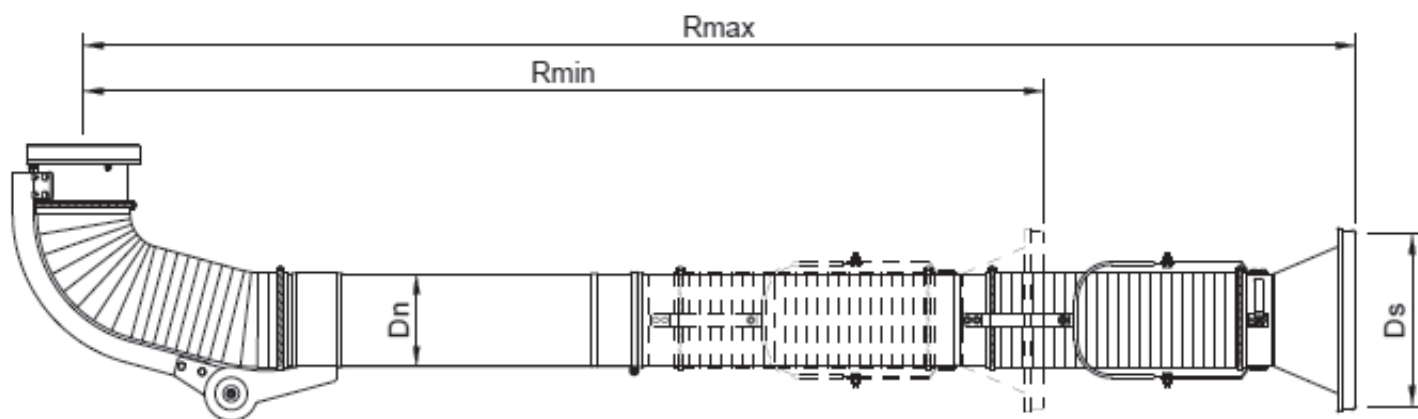
| Type | Part. No | Nominal diameter Dn [mm] | Ds [mm] | Recommended volume flow [m³/h] | Workrange [mm] | | Weight [kg] |
|---------------------|----------|--------------------------|---------|--------------------------------|----------------|------|-------------|
| | | | | | Rmin | Rmax | |
| TELERGO-FLEX-L-1600 | 810R69 | 160 | 235 | 1000 | 1000 | 1600 | 10 |



TELERGO-L-3-2000

Technical Data

| Type | Part.No | Nominal diameter Dn [mm] | Ds [mm] | Recommended volume flow [m ³ /h] | Quantity of pipe segments | Workrange [feet] | | Weight [kg] |
|------------------|---------|--------------------------|---------|---|---------------------------|------------------|------------------|-------------|
| | | | | | | R _{min} | R _{max} | |
| TELERGO-L-3-2000 | 810R67 | 160 | 235 | 1000 | 3 | 1000 | 2000 | 13 |



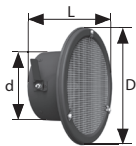

TELERGO-L-2-2400

Technical Data


| Type | Part.No | Nominal diameter Dn [mm] | Ds [mm] | Recommended volume flow [m ³ /h] | Quantity of pipe segments | Workrange [feet] | | Weight [kg] |
|------------------|---------|--------------------------|---------|---|---------------------------|------------------|------------------|-------------|
| | | | | | | R _{min} | R _{max} | |
| TELERGO-L-2-2000 | 810R63 | 160 | 315 | 1000 | 2 | 1600 | 2000 | 11,5 |
| TELERGO-L-2-2400 | 810R64 | 160 | 315 | 1000 | 2 | 1800 | 2400 | 13 |
| TELERGO-L-3-3000 | 810R65 | 160 | 315 | 1000 | 3 | 1850 | 3000 | 15 |



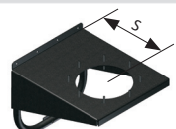
Suction hood

| Sort of the hood | Material | Type | Part.No | d [mm] | D [mm] | L [mm] | Weight [kg] | Remarks |
|---|-----------------|----------|---------|--------|--------|--------|-------------|---|
|  | aluminium sheet | LSO-S | 810H45 | 170 | 275 | 135 | 0,65 | – replaceable inlet wire-mesh – shut-off damper – for extraction arm: TELERGO-FLEX-L-1600, TELERGO-L-3-2000 |
|  | aluminium sheet | LSO/Flex | 810H42 | 173 | 340 | 227 | 0,72 | – replaceable inlet wire-mesh – shut-off damper – for extraction arm: TELERGO-L-2-2000, TELERGO-L-2-2400, TELERGO-L-3-3000 |

Replaceable inlet wire-mesh

| | Type | Part.No | D [mm] | Weight [kg] | Remarks |
|---|------|---------|--------|-------------|-----------------------------|
|  | WOLS | 834Z31 | 226 | 0,06 | – for the hood: LSO-S |
| | WOL | 834Z33 | 287 | 0,09 | – for the hood: LSO/Flex |

Wall bracket

| Sort of bracket | Material | Type | Part.No | S [mm] | Weight [kg] |
|---|-----------------|-------------|---------|--------|-------------|
|  | aluminium sheet | WB-ERGO L/S | 817W27 | 277 | 7 |

Flow charts

