# 415

## Mechanical control lever

Lever 415 is for machines which, running most of their time at a fixed speed, they can fulfil the new regulations on low emissions without the need to equip the motor with an expensive Electronic Control Unit (ECU). Typical application's examples are machines with EPA homologation

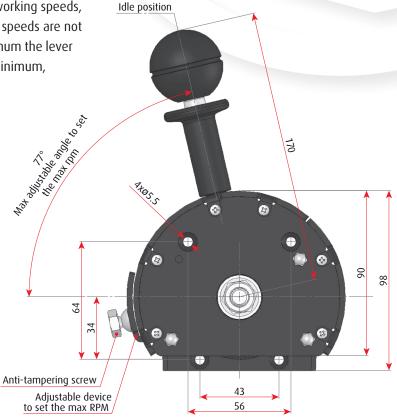
Lever 415 offers the possibility to set minimum and working speeds, clearly identified with detents. Intermediate working speeds are not allowed because a return spring pushes back to minimum the lever and consequently the engine speed goes back to minimum, as soon as the lever exits from the working position.

Each engine is optimized at its working speed where  $CO_2$  emissions are reduced below permitted levels.

Once the working position has been defined during commissioning, the anti-tampering screw fixes permanently the working motor speed.

The turn-off of the motor is actuated by pushing the lever beyond neutral position.

For all the other functions this lever is similar to lever 410 previously described.



#### **VERSIONS & CODES**

| 1 | Version   | Thread A | Outgoing cable position | Code        |
|---|-----------|----------|-------------------------|-------------|
|   | Pull      | M10x1    | Right                   | 415.10-00-0 |
|   |           | 1/8 gas  | Right                   | 415.30-00-0 |
|   |           | M10x1    | Left                    | 415.10-00-1 |
|   |           | 1/8 gas  | Left                    | 415.30-00-1 |
|   | Push-pull | M10x1    | Right                   | 415.10-10-0 |
|   |           | 1/8 gas  | Right                   | 415.30-10-0 |
|   |           | M10x1    | Left                    | 415.10-10-1 |
|   |           | 1/8 gas  | Left                    | 415.30-10-1 |



#### **CABLES FOR LEVERS SERIES 410 AND 415**

| Туре |           | А       | Code          |
|------|-----------|---------|---------------|
|      | Push-pull | M10     | 0025114-mmmmm |
|      | Push-pull | 1/8 gas | 0025110-mmmmm |
|      | Pull      | M10     | 0205114-mmmmm |
|      | Pull      | 1/8 gas | 0205110-mmmmm |

| 7 | Туре      | А       | F     | Code            |
|---|-----------|---------|-------|-----------------|
|   | Push-pull | M10     | 10/32 | 0025118-mmmmm   |
|   | Push-pull | 1/8 gas | 10/32 | 0025119-mmmmm   |
|   | Push-pull | M10     | M5    | 0025118-5-mmmmm |
|   | Push-pull | 1/8 gas | M5    | 0025119-5-mmmmm |

| 7 | Туре      | А       | F     | Code            |
|---|-----------|---------|-------|-----------------|
|   | Push-pull | M10     | 10/32 | 0025116-mmmmm   |
|   | Push-pull | 1/8 gas | 10/32 | 0025117-mmmmm   |
|   | Push-pull | M10     | M5    | 0025116-5-mmmmm |
|   | Push-pull | 1/8 gas | M5    | 0025117-5-mmmmm |

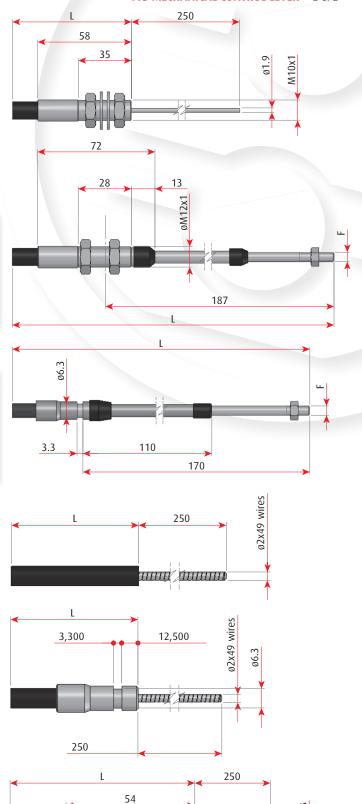
| Туре |      | А       | Code           |
|------|------|---------|----------------|
|      | Pull | M10     | 02051111-mmmmm |
|      | Pull | 1/8 gas | 0205113-mmmmm  |

| Туре |           | А       | Code           |
|------|-----------|---------|----------------|
|      | Push-pull | M10     | 0025111-mmmmm  |
|      | Push-pull | 1/8 gas | 00251115-mmmmm |
|      | Pull      | M10     | 0205111-mmmmm  |
|      | Pull      | 1/8 gas | 0205110-mmmmm  |

| 7 | Туре |         | Code           |
|---|------|---------|----------------|
|   | Pull | M10     | 02051114-mmmmm |
|   | Pull | 1/8 gas | 02051116-mmmmm |

#### Notes:

- "A" specifies cable lever side thread
- "F" specifies cable engine side thread
- "mmmmm" is the length of the cable in mm



Cables are shown at mid stroke position

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30

ø2x49 wires

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