

- Stroke adjustable over full length
- Self adjusting hydraulic damping
- Plastic sliding guide, adjustable
- Non-contact signal detection via inductive proximity sensors (PNP type) with connector plugs

**Technical Data**

Medium:

Compressed air, filtered and lubricated

Operating Pressure:

4 - 8 bar

Operating Temperature:

+5°C to +70°C

Operation:

Double acting cable-type cylinder with adjustable hydraulic damping

Air Connection:

G<sup>1</sup>/<sub>4</sub>

Maximum Load Capacity (including mounted units):

20 kg

Maximum Torque Moment:

25 Nm

Maximum Motive Power:

5,5 Nm

Standard Stroke Length:

2500 mm max.

**Materials**

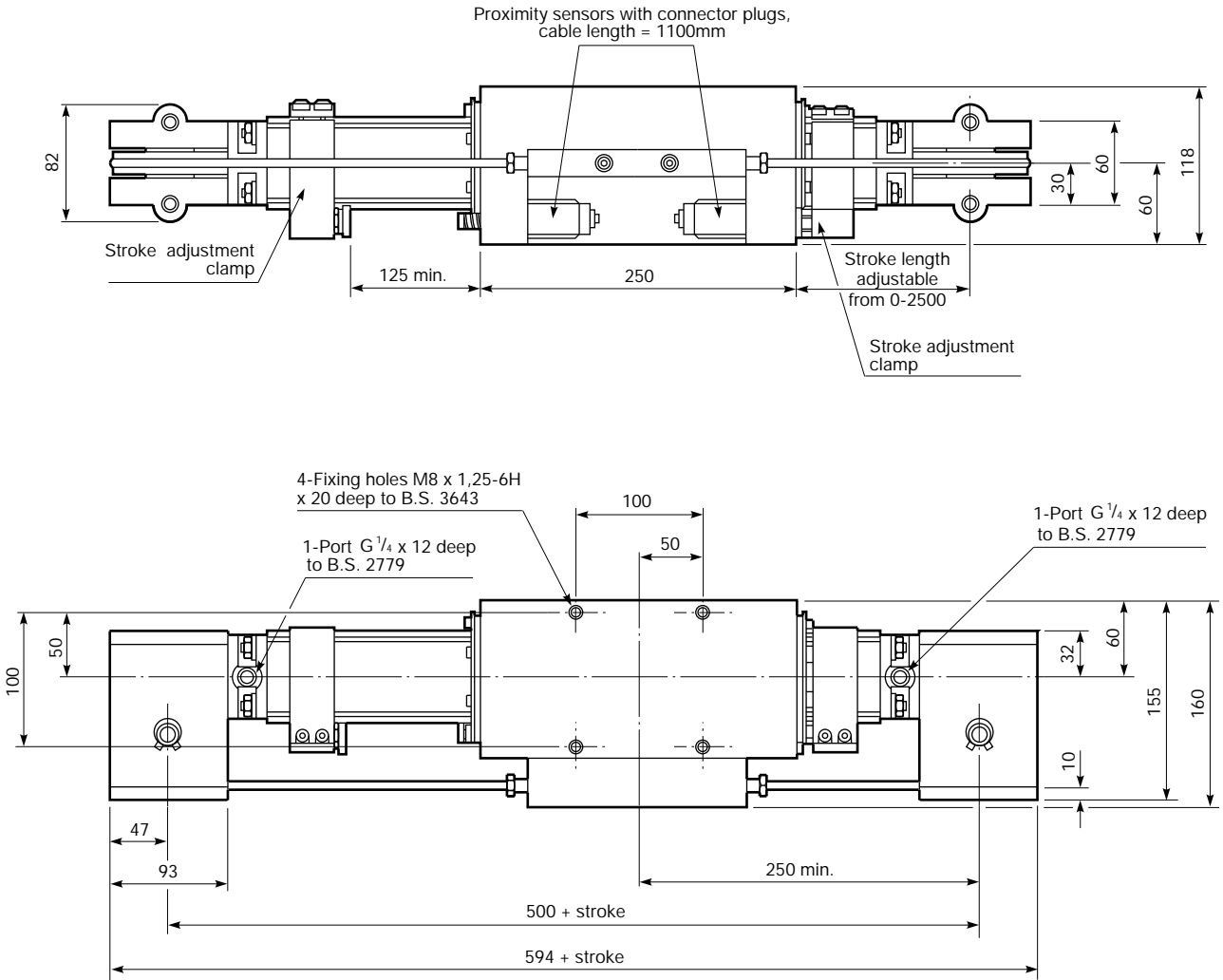
Aluminium carriage, end covers and pulley supports, steel pulleys, PVC coated steel cables. Extruded aluminium arm with stainless steel inserts.

**Ordering Information**

To order a Portal Module with 2500 mm stroke quote:  
M/60400.



Basic Dimensions – Portal Module – M/60400



<b>Model</b>	M/60400
<b>Weight (kg)</b>	Zero Stroke 14,2 kg + 0,7 kg per 100 mm stroke
<b>Spares kit *</b>	QM/60400/00
<b>Refurbishment kit **</b>	QM/60400/88

- \* Comprises all soft seals.
- \*\* Comprises all soft seals, wearing components, sensors, dampers, all plugs, sockets and cables.

**Sensor Details**

Model number:	QM/60011
Type:	PNP
Gap required (response distance):	1,5 mm
Voltage:	12-24 V. D.C.
Maximum load current:	200 mA
No load current:	12 mA max.
Screw thread connection:	M8 x 1 mm
	Metal housing

**Possible Assembly Modules**

Linear module M/60110  
 Short stroke units M/60160 and M/60170  
 These may be mounted either horizontally or vertically.

**Warning**

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN. Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. **System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.** System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.