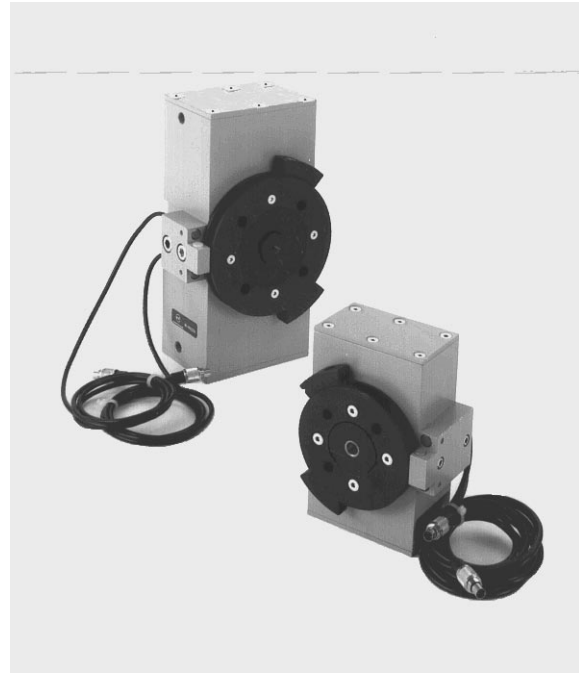


- Fully adjustable rotation
- Non-contact signal detection via inductive proximity sensors (PNP type) with connector plugs
- Speed control unit

**Rotary Modules  
Double Acting  
180° Rotation**



### Technical Data

Medium:

Compressed air, filtered and lubricated

Operating Pressure:

4 - 8 bar

Operating Temperature:

+5°C to +70°C

Operation:

Double acting 180° rotary movement with internal oil speed control

Air Connection:

G $\frac{1}{8}$  (via adaptor plate on M/60210)

Theoretical Torque (at 6 bar supply pressure):

M/60210 – 3 Nm

M/60220 – 11 Nm

### Materials

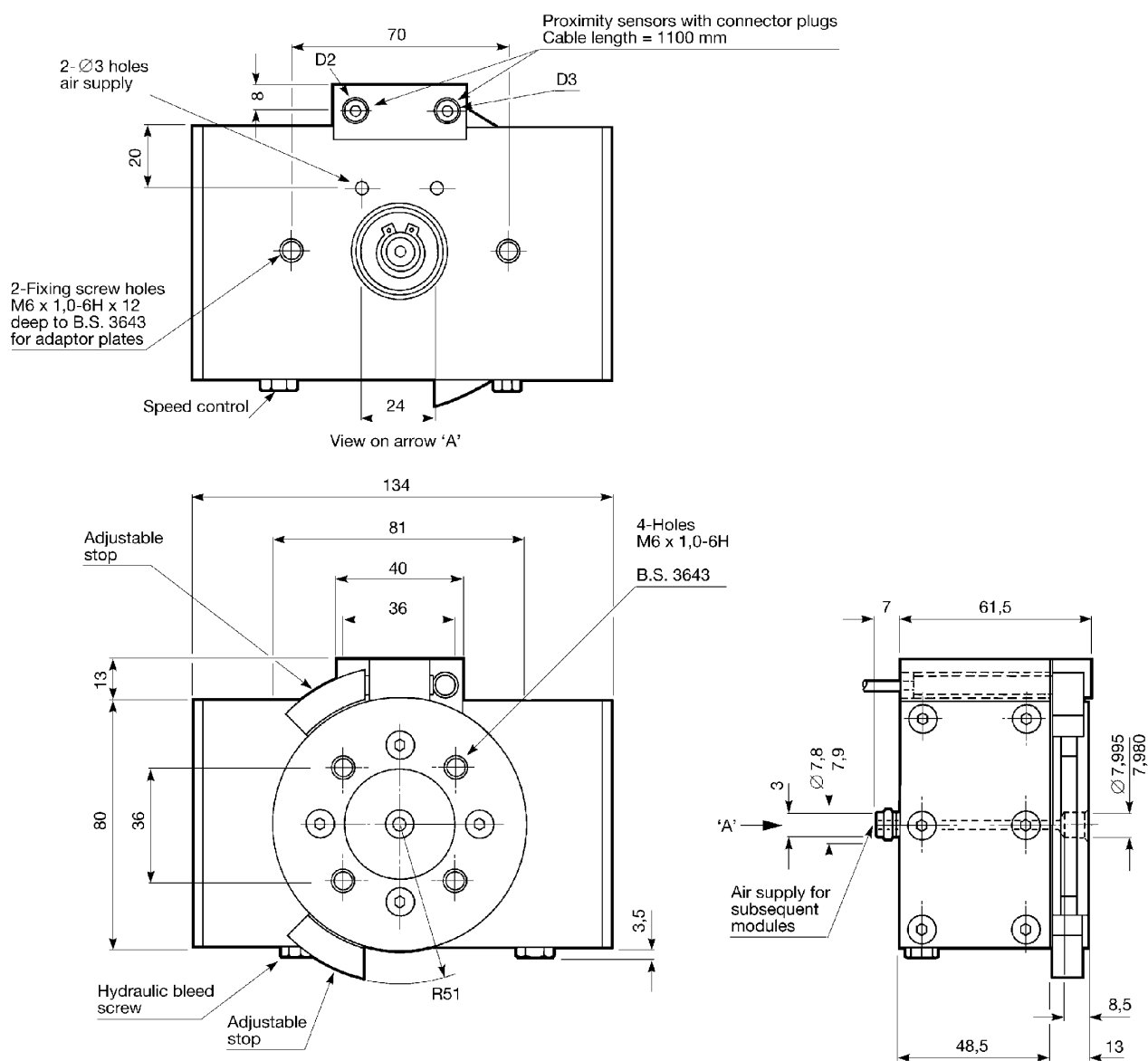
Aluminium body, steel rotary plate.

### Ordering Information

*To order a Rotary Module with a theoretical torque of 11 Nm at 6 bar supply pressure quote:  
M/60220.*



## Basic Dimensions – Rotary Module size 'A' – M/60210



Model	M/60210
Weight (kg)	1,95
Spares kit *	QM/60210/00
Refurbishment kit **	QM/60210/88

\* Comprises all soft seals.

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

## Possible Assembly Modules

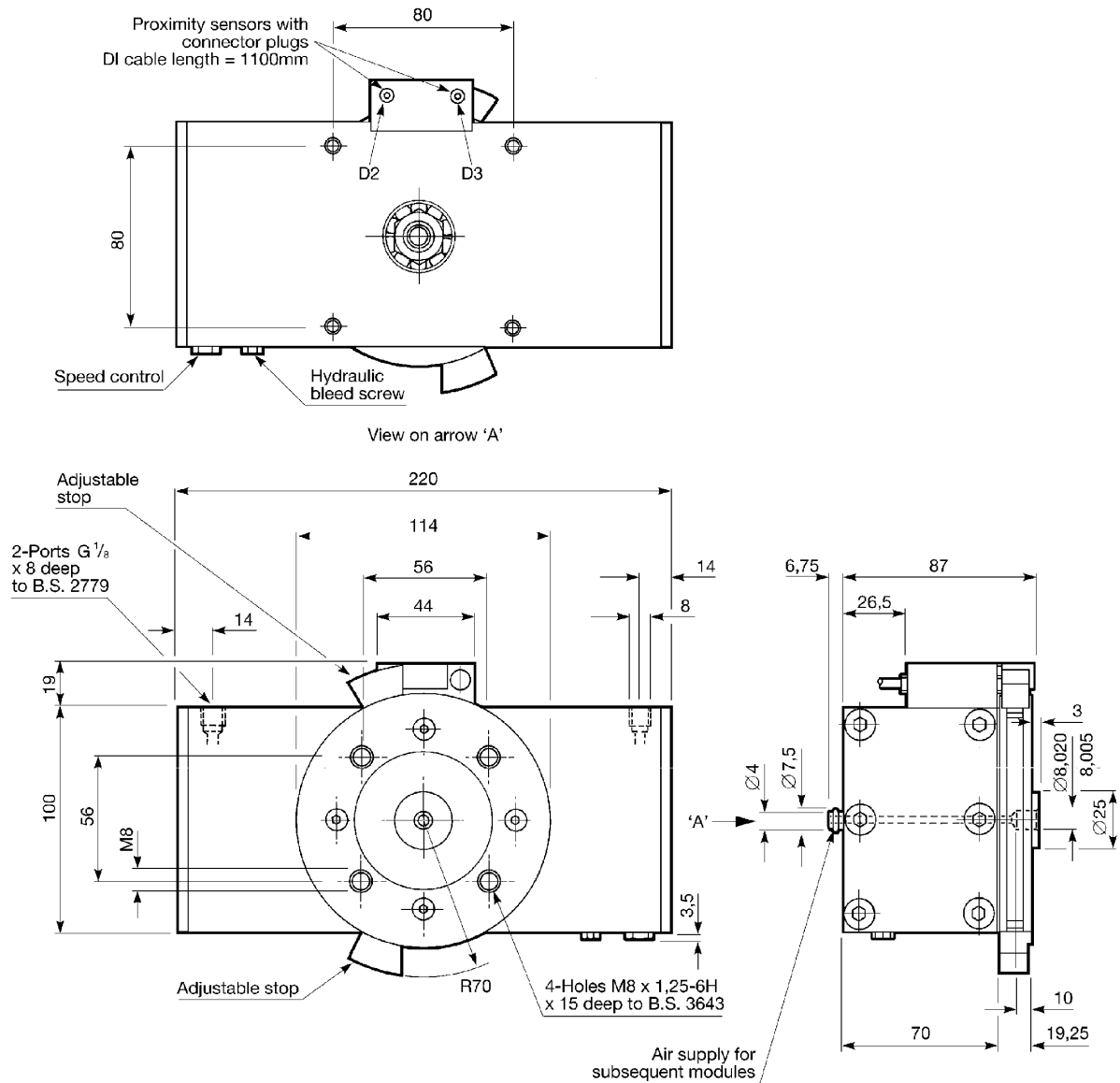
Gripper M/60310

## 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	



## Basic Dimensions – Rotary Module size 'B' – M/60220



Model	M/60220
Weight (kg)	5,2
Spares kit *	QM/60220/00
Refurbishment kit **	QM/60220/88

\* Comprises all soft seals.

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

## Possible Assembly Modules

Gripper M/60320

## 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	



## 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.