

Options are built into the actuator during factory assembly and cannot be added or removed at a later stage.

## ▶ RIGHT ANGLE HEAD RA20



Only available for the HL83 Easy duty and Standard duty range, the **right angle head RA20** is very light and compact.

It enables the actuator to operate in small, tight spaces.

It adds a reduction ratio of 1.33 to the tool, thus **increasing the torque and reducing the speed by one third**.

Maximum torque allowed: 330Nm

## ▶ DIGITAL REVOLUTION-COUNTER



The **digital revolution counter** adds up the turns in one direction and subtracts them in the other direction so that the operator always knows where he is in relation to the starting point. **It also measures and indicates the rotating speed**.

It can be **easily configured** to adapt to the different actuator heads available (right angle or ring-type).

Available for the HL83H, PY68 and JA73 models.

## ▶ TORQUE LIMITER



The **torque limiter** for modtec portable valve actuators means you can disconnect the motor section from the gear box section when the torque limit is reached. No torque is thereafter applied by the actuator.

The **operator can set the torque limit** within a +/- 40% range of the original value. The torque limiter option is available for the HL83S and H models, as well as for the PY68 and JA73S and H models (the JA73E models have a torque limiter in series).

Straight or with RA30 right angle head	Reduction ratio	Minimum torque limit Nm (lb.ft)	Maximum torque limit Nm (lb.ft)
Easy duty	54	37 (27)	92 (68)
Standard duty	169	115 (85)	288 (212)
Heavy duty	258	176 (130)	440 (325)
With RA20 right angle head	Reduction ratio	Minimum torque limit Nm (lb.ft)	Maximum torque limit Nm (lb.ft)
Easy duty	72	49 (36)	122 (90)
Standard duty	225	133 (98)	333 (246)
Heavy duty	Not available		
With banjo head BJH01	Reduction ratio	Minimum torque limit Nm (lb.ft)	Maximum torque limit Nm (lb.ft)
Easy duty	216	148 (109)	368 (271)
Standard duty	Not available		
Heavy duty	Not available		
With banjo head BJH02	Reduction ratio	Minimum torque limit Nm (lb.ft)	Maximum torque limit Nm (lb.ft)
Easy duty	162	111 (82)	276 (204)
Standard duty	507	345 (254)	864 (637)
Heavy duty	Not available		

### IMPORTANT

For your comfort and safety, please carefully read the instruction manual before using the portable valve actuator.