

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).

Not available for the **HL83E** 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 models (the JA73 and MC89 models have an electronic torque limiter in series).

Straight or with RA30 right angle head	Reduction ratio	Free speed @ 6,2 bars (rpm)	Minimum torque limit Nm(lb.ft)	Maximum torque limit Nm(lb.ft)
HL83S-035-03/05	1:54	175	40 (30)	90 (66)
HL83S-060-03/05	1:127	71	90 (66)	220 (160)
HL83H-111-03/05	1:199	46	140 (100)	340 (250)
HL83H-169-03/05	1:258	54	180 (130)	440 (320)
HL83H-321-03/05	1:564	25	400 (300)	960 (710)
PY68E-031-03/05	1:31	305	20 (15)	45 (33)
PY68S-087-03/05	1:40	218	25 (18)	60 (44)
PY68S-148-03/05	1:61	155	40 (30)	90 (66)
PY68H-192-03/05	1:192	50	120 (90)	280 (210)
PY68H-293-03/05	1:293	32	180 (130)	440 (320)
PY68H-641-03/05	1:564	25	400 (300)	960 (710)

With RA20 right angle head	Reduction ratio	Free speed @ 6,2 bars (rpm)	Minimum torque limit Nm(lb.ft)	Maximum torque limit Nm(lb.ft)
HL83S-035-04	1:74	132	50 (37)	120 (90)

With banjo head BJH01	Reduction ratio	Free speed @ 6,2 bars (rpm)	Minimum torque limit Nm(lb.ft)	Maximum torque limit Nm(lb.ft)
HL83S-035-03/05	1:216	44	160 (120)	360 (270)
HL83S-060-03/05	1:504	18	360 (270)	880 (650)*
PY68E-031-03/05	1:124	76	80 (59)	180 (130)
PY68S-087-03/05	1:160	54	100 (74)	240 (180)
PY68S-148-03/05	1:244	39	160 (120)	360 (270)

* Do not use the BJH01 with a maximum torque higher than 600 Nm (440 lb.ft)

With banjo head BJH02	Reduction ratio	Free speed @ 6,2 bars (rpm)	Minimum torque limit Nm(lb.ft)	Maximum torque limit Nm(lb.ft)
HL83S-035-03/05	1:162	58	120 (89)	270 (200)
HL83S-060-03/05	1:381	24	270 (200)	660 (490)
HL83H-111-03/05	1:597	15	420 (310)	1020 (750)*
HL83H-169-03/05	1:774	18	540 (400)	1320 (970)*
PY68E-031-03/05	1:93	102	60 (44)	135 (100)
PY68S-087-03/05	1:120	73	75 (55)	180 (130)
PY68S-148-03/05	1:183	52	120 (89)	270 (200)
PY68H-192-03/05	1:576	17	360 (270)	840 (620)
PY68H-293-03/05	1:879	11	540 (400)	1320 (970)*

* Do not use the BJH02 with a maximum torque higher than 1000 Nm (740 lb.ft)

IMPORTANT

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