

# TREBLE R FABRICATIONS

UNIT 42 • CROSSGATE ROAD • PARK FARM INDUSTRIAL ESTATE • REDDITCH • WORCS • B98 7SN

t 01527 503 303 • f 01527 503 325 • w [www.treblerfabrications.co.uk](http://www.treblerfabrications.co.uk)

CAT 4000-S1

Many canals, rivers and private dwellings require sluice gates to control the water flow. Traditionally these require operation not via a hand wheel or gearbox / hand wheel / threaded spindle but via a rack and pinion device / crank handle.

The rack and pinion option by our design will operate sluice gates ranging from 250 sq upto 2000 sq.

The 5 ton rack and pinion will give the correct effort needed to operate smoothly and with ease.

The ratchet design built into the main housing also allows release of the crank handle safely, preventing the spinning of handle and causing the gate to self close. The gate will remain in position on release of the crank handle.



## RACK AND PINION OPERATION

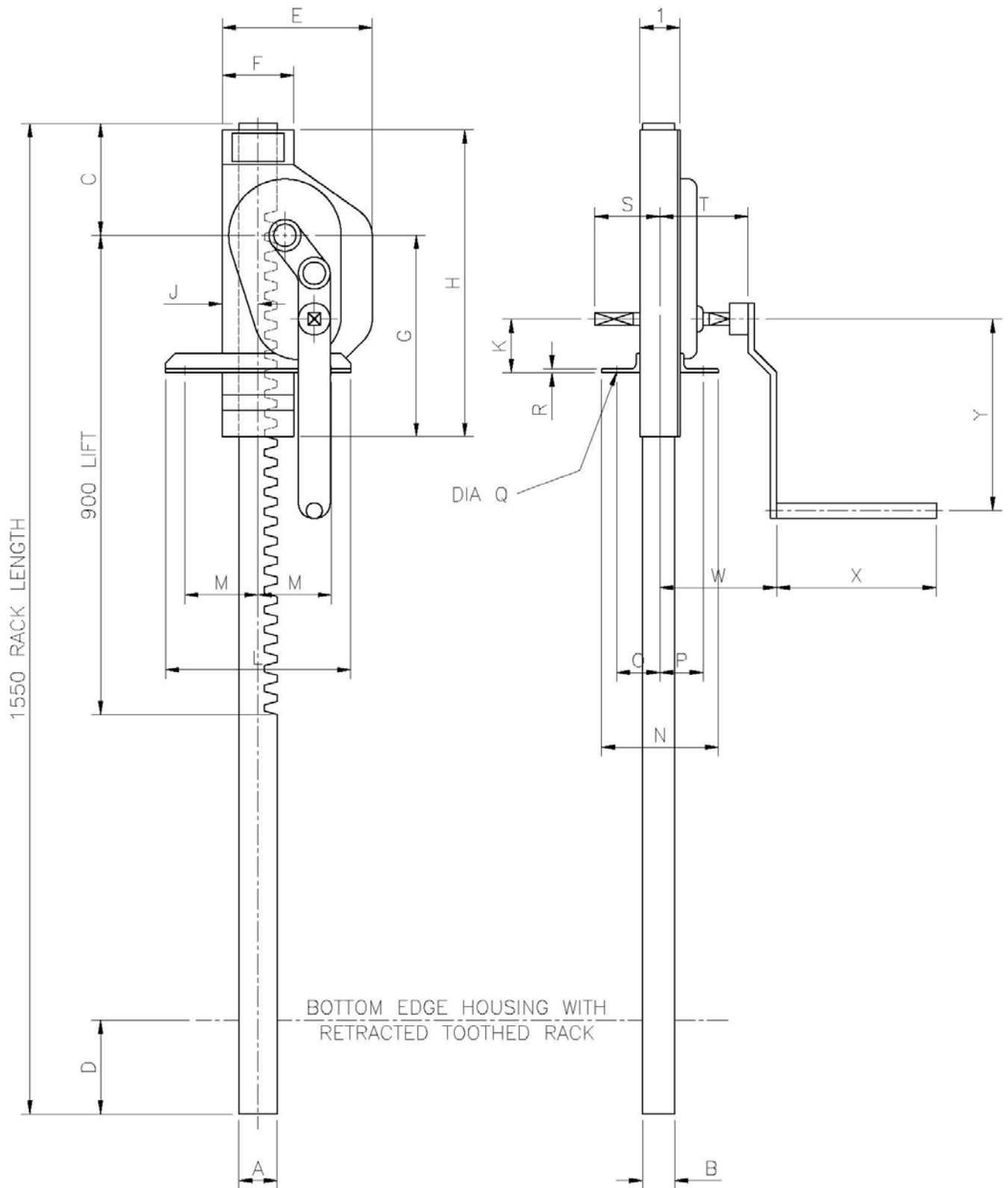
**Rack and Pinion Jack**  
**For Lifting of Paddle Gates**

**Specification**

Part No	- 030031135
Crank Type	- SIFEKU
Lifting Capacity	- 5 tonnes
Rack Length	- 1350mm
Lift	- 900mm
Weight	- 32 Kg

# Rack and Pinion Jack for Lifting of Paddle Gates

## Drawing Detail



## **Rack and Pinion Jack** **for Lifting of Paddle Gates**

### **Dimensions**

A	=	50
B	=	40
C	=	145
D	=	45
E	=	189
F	=	100
G	=	260
H	=	400
I	=	51
J	=	69.5
K	=	81
L	=	230
M	=	90
N	=	173
O	=	61
P	=	64
Q	=	14
R	=	7
S	=	88
T	=	120
U	=	132
V	=	105
W	=	155
X	=	130
Y	=	250