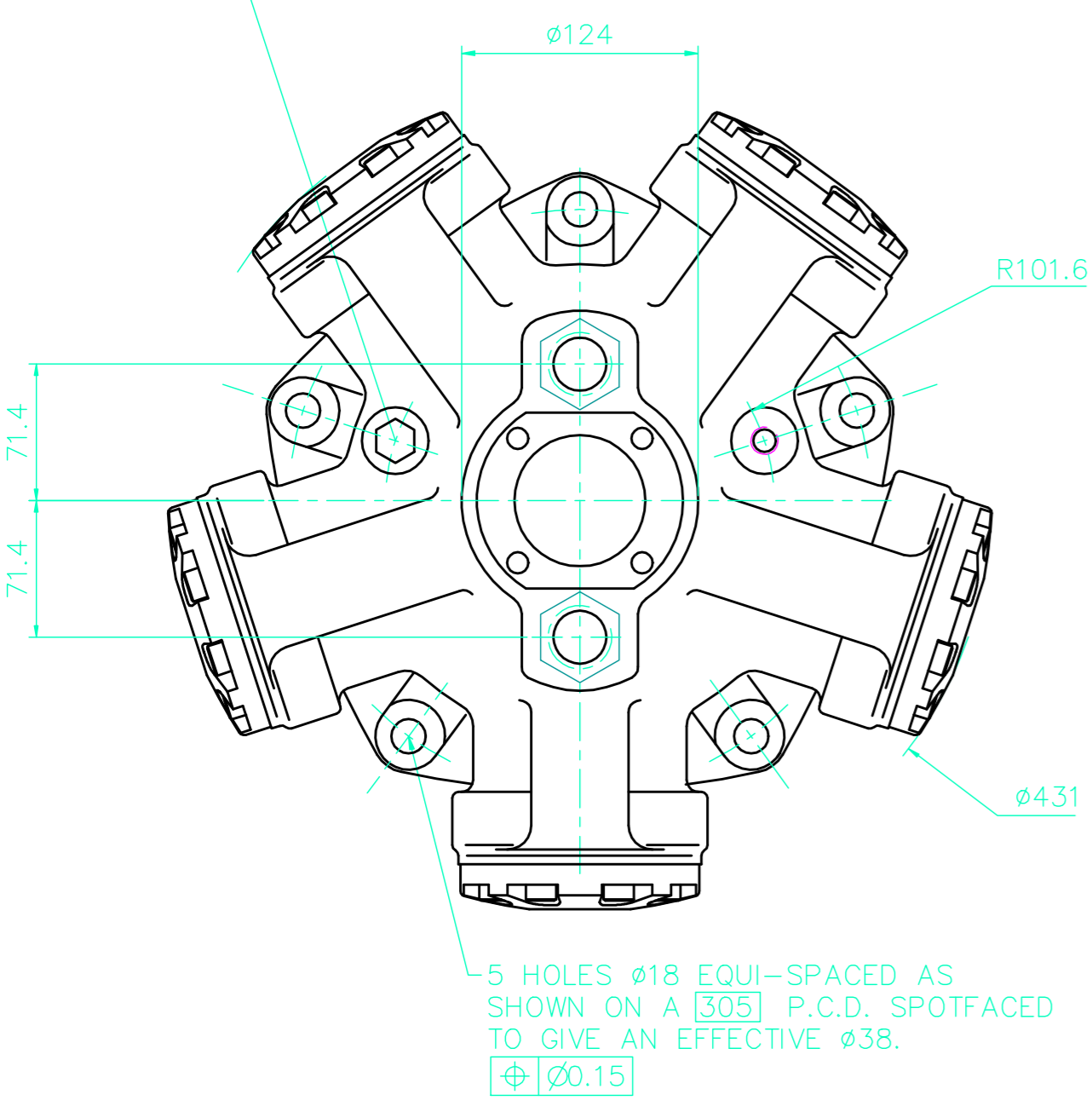


# HMB045

3/8" BSP DRAIN. 19mm DEEP, SPOTFACED  $\phi 28$   
(CHOICE OF 3 POSITIONS) (1 NORMALLY PLUGGED)  
NOTE: - ENSURE ON INSTALLATION THAT DRAIN IS  
TAKEN FROM ABOVE MOTOR CENTRELINE.

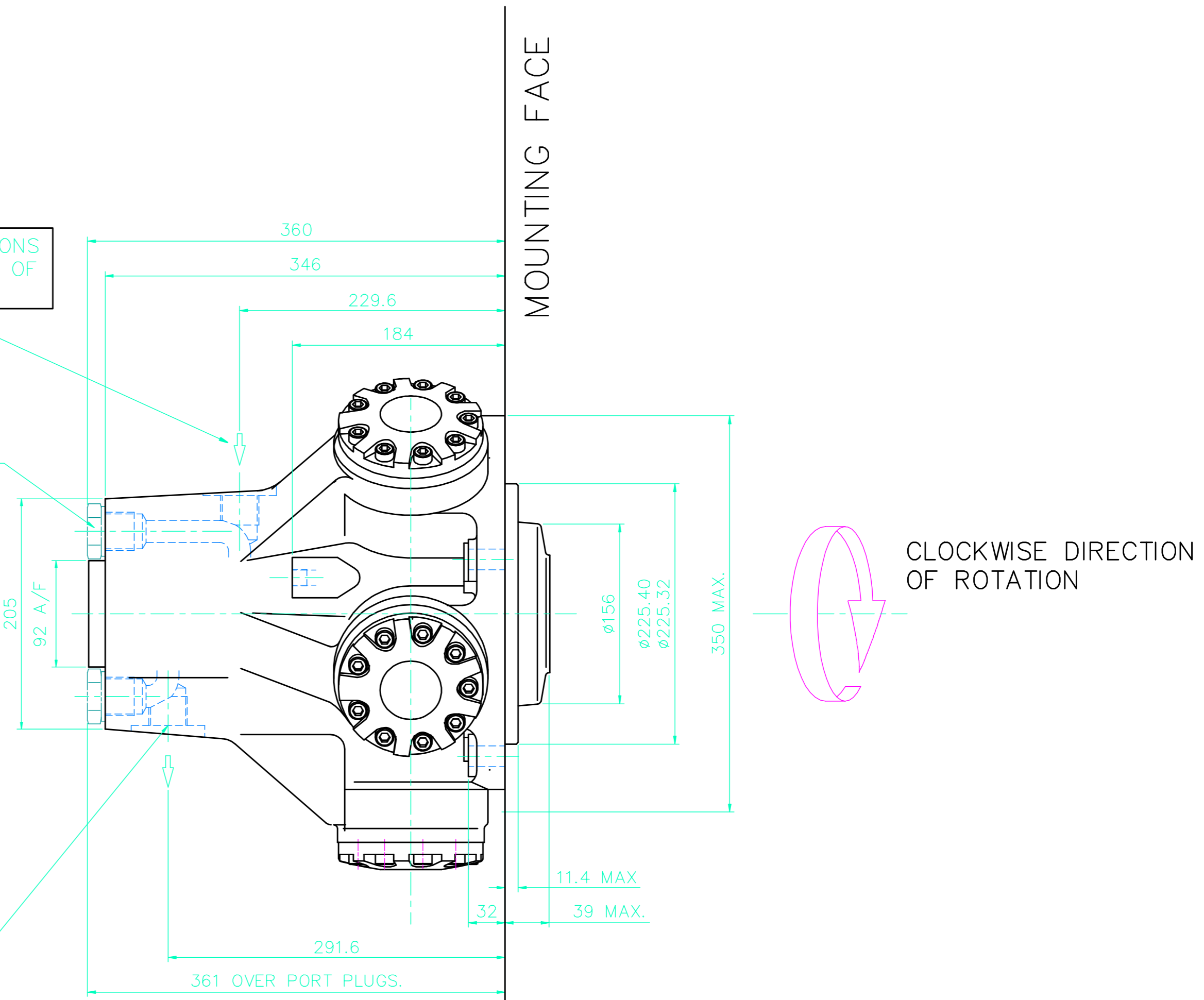


REVERSE PORT CONNECTIONS  
FOR OPPOSITE DIRECTION OF  
SHAFT ROTATION

FLOW DIRECTION

2 PORTS 1" BSP X 25 DEEP.  
(DUAL ENTRY MODELS ARE  
SUPPLIED WITH THESE REAR  
PORTS PLUGGED)

DUAL ENTRY MODELS:  
2 SIDE PORTS 1" BSP  
x 25 DEEP.  
SPOTFACED TO  $\phi 63$ .



## SHAFTS

EXAMPLE FOR MODEL CODE -  
HMB045/P/50

### SPLINE DATA

'S'  
TO BS 3550 (ANSI B92.1 CLASS 5)  
FLAT ROOT SIDE FIT, CLASS 1  
PRESSURE ANGLE 30°  
NUMBER OF TEETH 17  
PITCH 8/16  
MAJOR DIAMETER 56.41/56.29  
FORM DIAMETER 50.703  
MINOR DIAMETER 50.06/49.60  
PIN DIAMETER 6.096  
DIAMETER OVER PINS 62.984/62.931

'Z'  
DIN 5480 W55 x 3 x 17 x 7h

'Z2'  
DIN 5480 W60 x 3 x 18 x 7h

'Q'  
INTERNAL SPLINE TO BS 3550  
FLAT ROOT SIDE FIT  
PRESSURE ANGLE 30°  
NUMBER OF TEETH 21  
PITCH 12/24  
MAJOR DIAMETER 46.566/46.896  
FORM DIAMETER 46.144  
MINOR DIAMETER 42.334/42.461  
PIN DIAMETER 3.658  
PIN FLATTENED TO 3.556  
DIM'N BETWEEN PINS 39.169/39.103

