

## SLUICE GATE DATA SHEET

PROJECT TITLE:	DOCUMENT REFERENCE

### 1. Operating Environment and Site Details

1 Operating Environment (P)	
Location (✓)	
Inland	
Coastal	✓
Inside	
Outside	✓
Other (specify)	Manhole A2-1
2 Hazardous Area Classification (✓)	
None	
Zone 1	
Zone 2	
3 Special Environmental Hazards	
Hydrocarbons (diesel, jet A1, petrol and paraffin)	
4 References For Further Information	

### 2. SLUICE GATE DETAILS

1	No. Of Sluice Gates	1
2	Mounting (✓)	
	Wall mounted	✓
	Channel Mounted	
3	Invert Arrangement (✓)	
	Standard	
	Flush (self cleaning)	✓
4	Operation (✓)	
	Manual	✓
	Electrically Actuated	
	Other	
5	Opening Size	1050 NB 100D
6	Gate Dimensions	1200 x 1200 mm
7	Headstock Arrangement	
	Refer to attached drawing	
8	Spindle Type (✓)	
	Rising	✓
	Non-rising	
9	Invert to Coping	5.573 m

### 3. Hydraulic Conditions

1	Direction of Flow (✓)	
	Seated	✓
	Unseated	
	Seated and unseated	
2	Hydraulic Pressures	
	Maximum Operating pressure	5.573 m
	Maximum unbalanced pressure	5.573 m

### 4. Materials of construction

1 Materials of Construction		
Gate	Grade 316 SS	
Frame	Grade 316 SS	
Seals	EPDM in UHM HDPE retainers	
Spindle (min 40 mm dia)	Grade 316 SS	
Foundation Bolts	Grade 316 SS	
Fasteners	Grade 316 SS	
Cover Tube	Clear PVC	
Stop Collar	L G 2 Bronze	
Spindle guides	L G 2 Bronze	
Lifting Nut	L G 2 Bronze	
Hand wheel	Grade 316 SS	

### 5. Actuator Data

1	Max Torque required to operate Sluice Gate (Nm)	
2	Rated Actuator Torque (Nm)	
3	Sluice Gate Closing Time	90 sec
4	Supply Voltage	400 V, 3 phase
5	Remote Monitoring	
	Gate Fully Open	✓
	Gate Fully Closed	✓
	Auto available / unavailable	✓