

## 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	✓