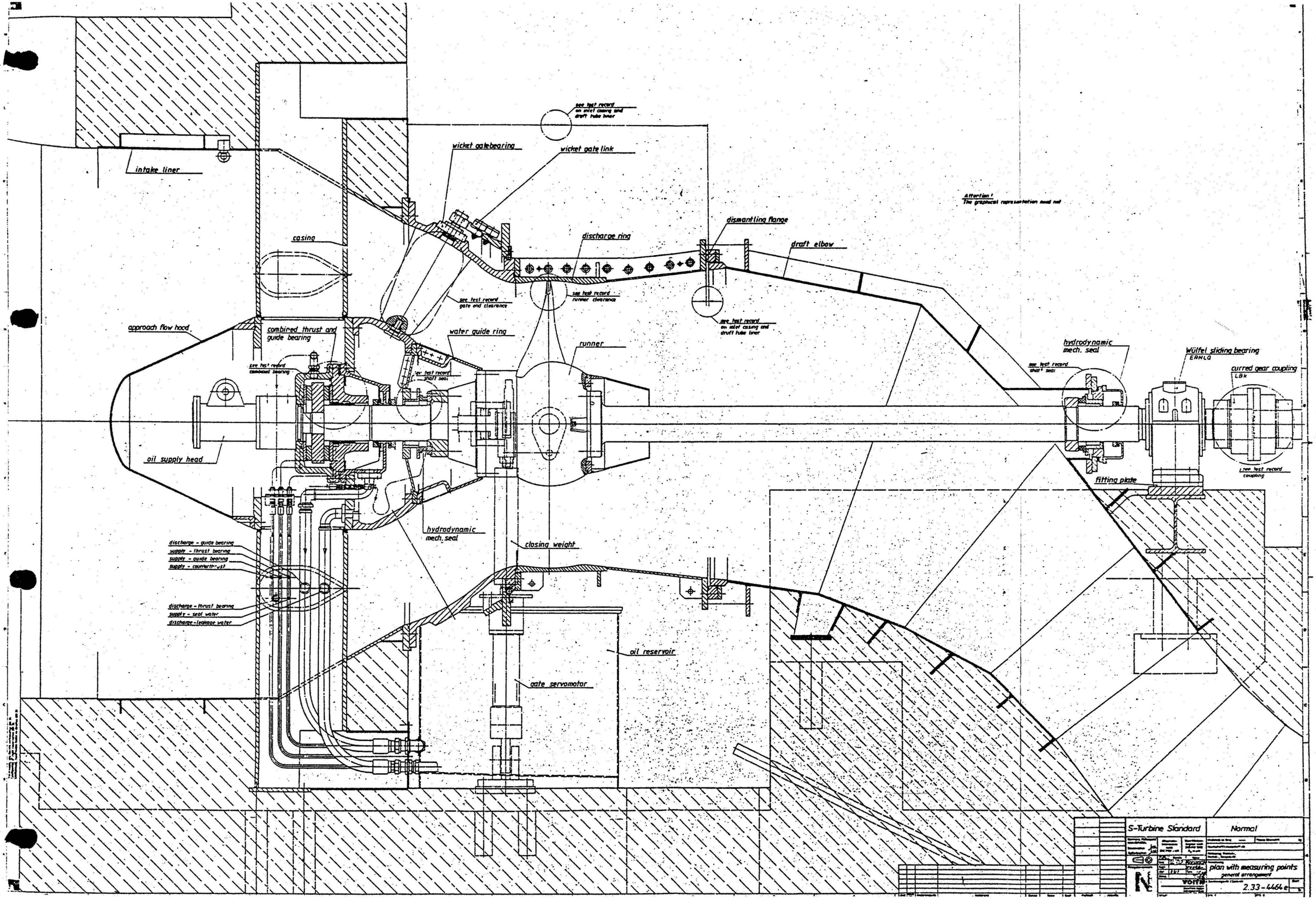
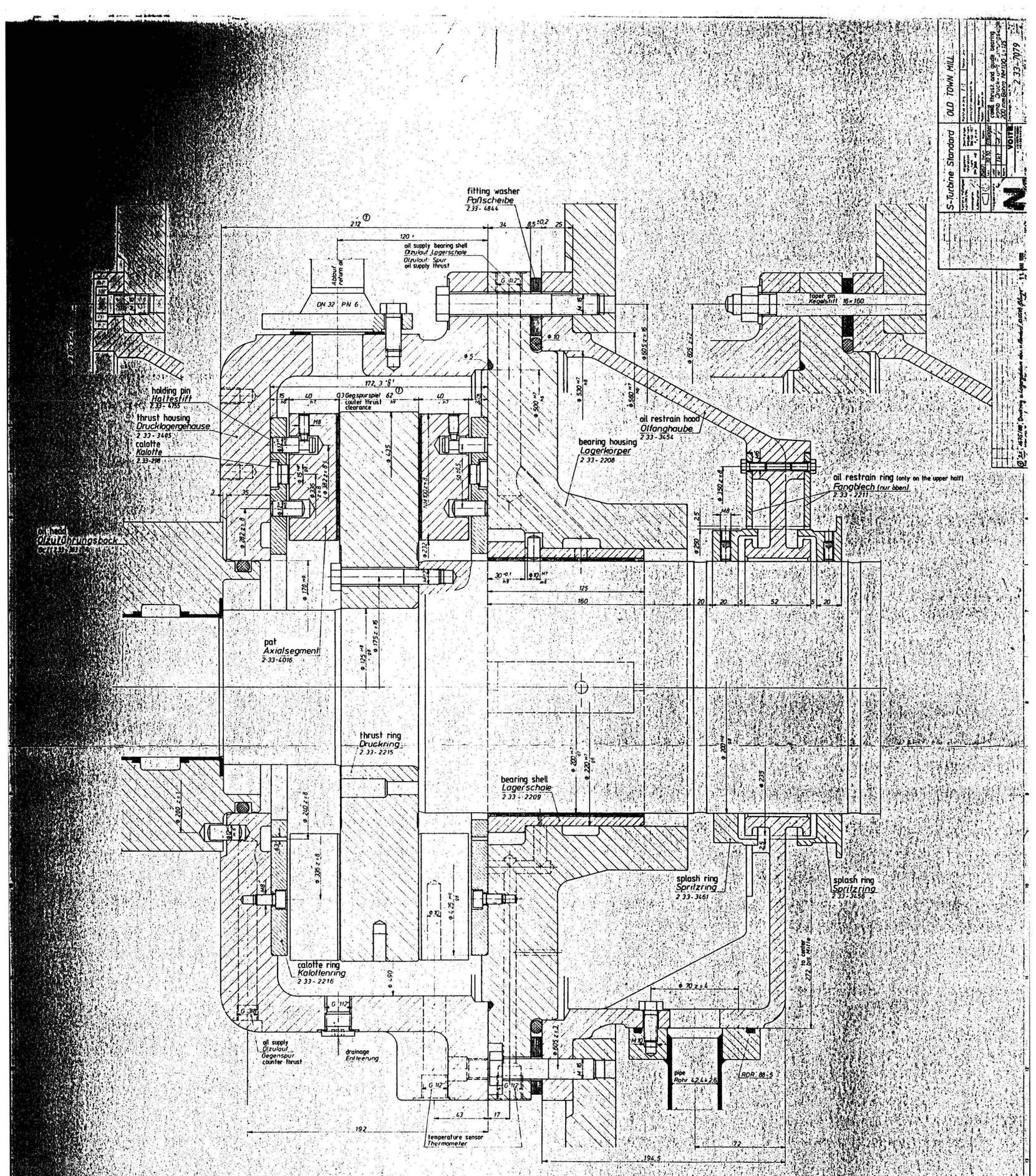

see test record on inlet casing and draft tube liner
wicket gatebearing
wicket gate link
intake liner
Attention!
The graphical representation need not
dismantling flange
casing
discharge ring
draft elbow
see test record gate end clearance
see test record runner clearance
see test record on inlet casing and draft tube liner
approach flow hood
combined thrust and guide bearing
water guide ring
runner
hydrodynamic mech. seal
see test record shaft seal
Wülfel sliding bearing
ERHLQ
curved gear coupling
LBk
see test record combined bearing
see test record shaft seal
see test record coupling
oil supply head
fitting plate
hydrodynamic mech. seal
closing weight
discharge - guide bearing
supply - thrust bearing
supply - guide bearing
supply - counterth-rust
discharge - thrust bearing
supply - seal water
discharge - leakage water
oil reservoir
gate servomotor
S-Turbine Standard
Normal
plan with measuring points
general arrangement
VOITH
2.33-4464 e



Kenndaten für komb. Druck- und Führungslager

		Hauptspur	Gegenspur	Lagerschale	
Belastung	F =	160,0	300,0	50,64	KN
mittl. Geschwindigkeit	v_m =	2,84	2,84	1,71	m/s
mittl. Pressung	p =	2,25	4,21	2,02	N/mm^2
Reibleistung	P_R =	0,82	0,073	0,213	KW
Ölmenge	Q =	3,5	0,5	4,0	l/min

Drehzahl $n = 163{,}6\ min^{-1}$, Öl ISO VG 100

nominal data for comb. thrust and guide bearing

		thrust	counter thrust	bearing shell	
load	F =	35970	67443	11384	lbf
velocity	v_m =	9,32	9,32	5,61	f/s
pressure	p =	326,34	610,62	293,0	psi
friction power loss	P_R =	0,82	0,073	0,213	kW
oil quantity	Q =	0,77	0,11	0,88	gal/min

speed $n = 163{,}6\ min^{-1}$, Öl ISO VG 100

Schraubensicherung mit flüssigen Kunststoff für lösbare Schraubverbindungen

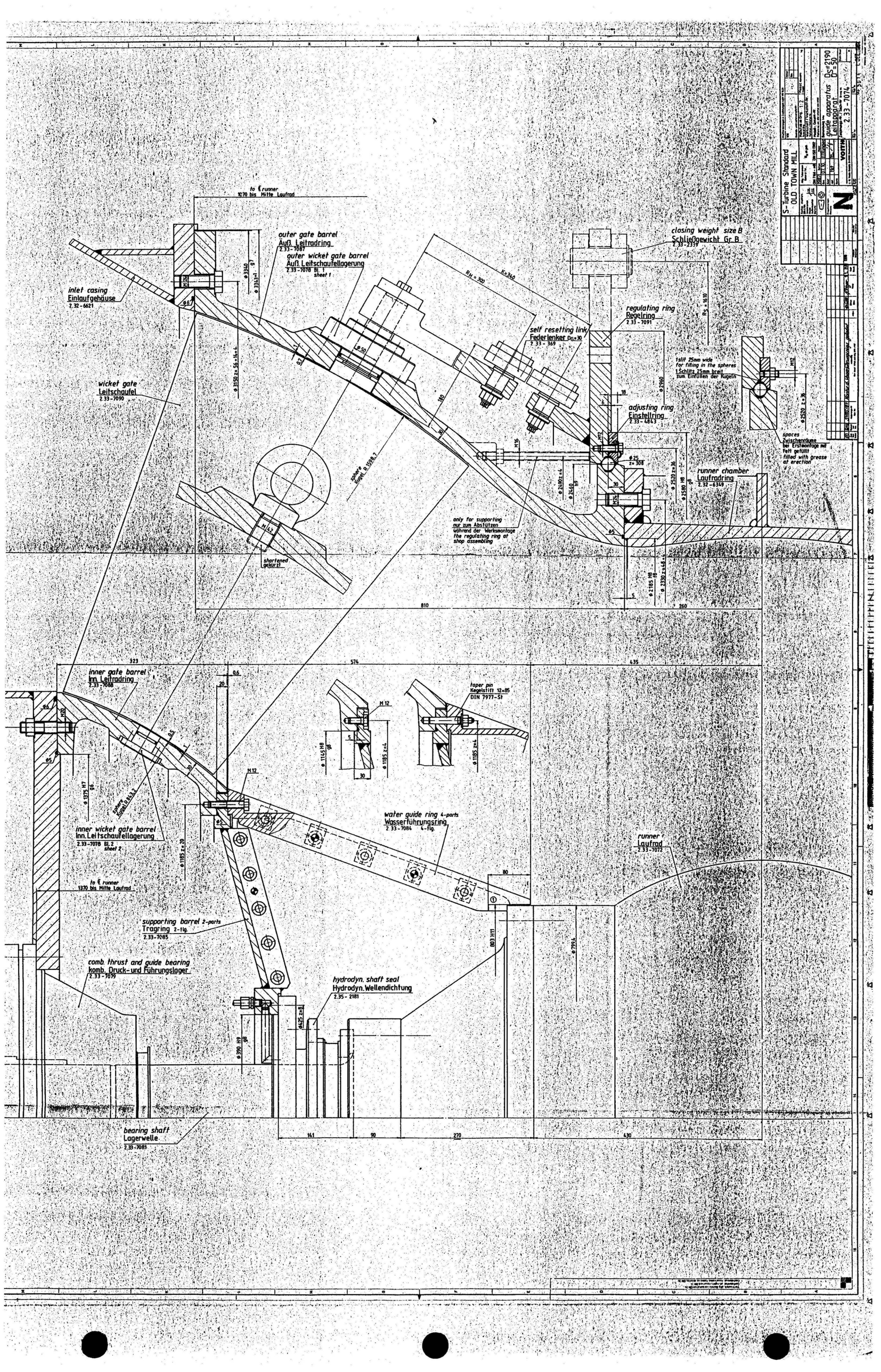
d ≡ M 16 FLK 6434 / L 242
M 20 ≡ d ≡ M 36 FLK 4536 / L 82
M 42 ≡ d ≡ M 56 FLK 3536 / L 76

screw locking by liquid plastics material for separable screw connections

d ≡ M 16 FLK 6434 / L 242
M 20 ≡ d ≡ M 36 FLK 4536 / L 82
M 42 ≡ d ≡ M 56 FLK 3536 / L 76

FL Kunststoff-VN 1272	
VOITH-Kurzzeichen	FLK 6434
Aktivator	Typ — Nm
Verarbeitungszeit bei 20 °C	20 min
Aushärtezeit bei 20 °C	3 h

LIQU SEALING COMPD.-VN 1272	
VOITH standard designation	FLK 6434
Activator	Type — Nm
Processing time at 20 °C	20 min
Curing time at 20 °C	3 h


S-Turbine Standard
OLD TOWN MILL
guide apparatus
Leitapparat
2.33-7074
to ℄ runner
1370 bis Mitte Laufrad
outer gate barrel
Außl. Leitradring
2.33-7087
outer wicket gate barrel
Außl. Leitschaufellagerung
2.33-7078 Bl. 1
sheet 1
inlet casing
Einlaufgehäuse
2.32-6621
wicket gate
Leitschaufel
2.33-7090
closing weight size B
Schließgewicht Gr. B
2.33-2339
regulating ring
Regelring
2.33-7091
self resetting link
Federlenker
2.33-369
adjusting ring
Einstellring
2.33-4843
1slit 25mm wide
for filling in the spheres
1 Schlitz 25mm breit
zum Einfüllen der Kugeln
spaces
Zwischenräume
bei Erstmontage mit
Fett gefüllt
filled with grease
at erection
runner chamber
Laufradring
2.32-6349
only for supporting
nur zum Abstützen
während der Werksmontage
the regulating ring at
shop assembling
shortened
gekürzt
inner gate barrel
Inn. Leitradring
2.33-7088
taper pin
Kegelstift 12x05
DIN 7977-St
inner wicket gate barrel
Inn. Leitschaufellagerung
2.33-7078 Bl. 2
sheet 2
water guide ring 4-parts
Wasserführungsring
2.33-7084 4-flg.
runner
Laufrad
2.33-7072
supporting barrel 2-parts
Tragring 2-flg.
2.33-7085
comb. thrust and guide bearing
komb. Druck- und Führungslager
2.33-7079
hydrodyn. shaft seal
Hydrodyn. Wellendichtung
2.35-2181
bearing shaft
Lagerwelle
2.33-7081