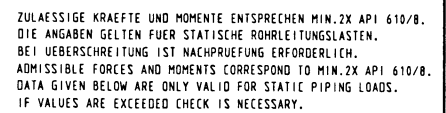
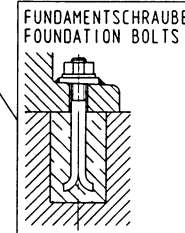
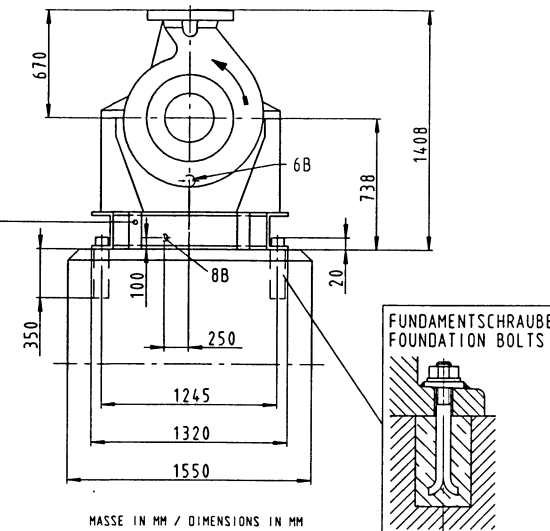


THE LINES MUST BE CONNECTED WITHOUT TRANSMITTING ANY STRESSES OR STRAIN!  
PERMISSIBLE DEVIATIONS OF DIMENSIONS FOR:

AXIS HEIGHTS FOR MACHINES	DIN 747
CONNECTION DIMENSIONS FOR PUMPS	DIN EN 735
DIMENSIONS WITHOUT MENTION OF TOLERANCES - GREY CAST IRON COMPONENTS	DIN 1686 G1810
DIMENSIONS WITHOUT MENTION OF TOLERANCES - WELDED COMPONENTS	EN ISO 13920
GENERAL TOLERANCES FOR MACHINED COMPONENTS	EN ISO 2768



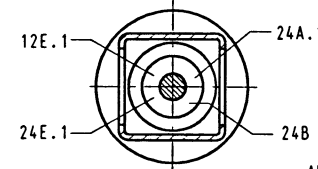
		SAUGSTUTZEN SUCTION NOZZLE				DRUCKSTUTZEN DISCHARGE NOZZLE			
KRAEFFTE FORCES (N)		F <sub>x</sub>	F <sub>y</sub>	F <sub>z</sub>	F <sub>res</sub>	F <sub>x</sub>	F <sub>y</sub>	F <sub>z</sub>	F <sub>res</sub>
		16000	10680	13340	23410	10680	13340	8900	19267
MOMENTE MOMENTS (Nm)		M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>	M <sub>res</sub>	M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>	M <sub>res</sub>
		12200	9220	5960	16412	10040	7600	4880	13505



MASSE IN MM / DIMENSIONS IN MM


6B	ASME B16.5 CL.300RF NPS1"	PUMP DRAIN FLANGE
DN2	ASME B16.5 CL.300RF NPS10"	PUMP DISCHARGE FLANGE
DN1	ASME B16.5 CL.300RF NPS12"	PUMP SUCTON FLANGE
ANSCHLUSS CONNECTION	AUSFUEHRUNG DESIGN	REMARKS
FLANSCH / FLANGES		

PUMPE	PUMP	920
GRUNDPLATTE	BASEPLATE	720
KUPPLUNG	COUPLING	220
ANTRIEB	DRIVE	680
-	-	-
-	-	-
GESAMT	TOTAL	2340
GEWICHTE / WEIGHTS		K




<input type="checkbox"/> R	Review for presence/absence only
<input type="checkbox"/> A	No comments / work may proceed
<input type="checkbox"/> P	Comments made: notes and/or instructions
<input type="checkbox"/> F	Work may proceed, subject to implementation of comments
<input type="checkbox"/> F	Work may proceed, subject to implementation of comments
<input type="checkbox"/> X	Review and resubmit / work may not proceed
<input type="checkbox"/> N	Reject not subject to re-work / off-site review


Permission to proceed does not constitute acceptance or approval of design data. Civilisations Ltd. shall not be responsible for any errors or omissions in the design, nor shall we be liable under any contract for damages with specifications and contractual obligations.



Progress Engineering and  
Construction Ltd.



E.S.E.C.



THE INSTITUTION OF  
MECHANICAL ENGINEERS

Date: \_\_\_\_\_



Drawn: \_\_\_\_\_

Supervisor: \_\_\_\_\_

Date: \_\_\_\_\_

Drawn: \_\_\_\_\_

Supervisor: \_\_\_\_\_

ZEICHENANGABEN-NUMMER NR.		2001-10-10	KOSMAK	SEPR.	BESTELLER-NR./FORDERUNG NR.	
-		2001-10-10	DRESSSEL	1	ITEM-NR. x 10-P-9672 A/B	
CAD		2001-08-02	DRESSSEL	0	BETRIEBER-NR./CUSTOMER NR.	
					0	
DATE/TIME		NAME		ADDRESS/PLANT/LOC.		EXP. VALIDITY/EXP. ORDER NR.
MAKING THE CONNECTION/PIPE SIZE		RPH 250-501		9370089248		9370089248
PLAST/STAB/SCALE		AUFSTELLUNGSPLAN INSTALLATION PLAN		EXP. VALIDITY/EXP. ORDER NR.		6-N27-503929/1-2
KSB 		-		F 103591		BLATT SHEET 1
						VON OF 4