PIPE SUPPORT TRUNNION FOR LONG. BENDING STRESS

INPUT DATA PGM RUN ***V1.0 / Pgm By C.M.Ryu/P.E***

* Item Name	E-1004		* Description	NODE-320	
* Pipe Allowable Stress, Sa	20000	psig	* Material	A106-B	
* Design Press, Dp	500	psig	* Pipe O.D	12.75	in
* Trunnion O.D	6.625	in	* Pipe thickness	0.375	in
* Anchor Force	2000	Lbs	* Pad thickness	0.5	in
* Dim. "L"	4	in			

RESULT OF CALCULATION

Reference: Design of Piping Systems

1. Unit Load , f,	40.6	N/mm
2. Longitudinal bending Stress, S	18.3	Mpa
3. Allowable stress, Sa	207	Mpa
4. % Sa used	9	%
5. Allowable Moment, Ma	27,765	N-m

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