New Folder Name Metal Seals to replace O-rings T950026

FAX COVER PAGE

CALIFORNIA INSTITUTE OF TECHNOLOGY

LIGO Project, 102-33 East Bridge Laboratory, Pasadena, California 91125
818-395-2129, Fax 818-304-9834

TO:	Marty Tellalian
ORGANIZATION:	CBITSC
FAX NUMBER:	(815) 439-6012
VOICE NUMBER:	(815) 439-6517
DATE:	4/24/95

FROM:	Larry Jones
ORGANIZATION:	LIGO Project
FAX NUMBER:	(818) 304-9834
VOICE NUMBER:	(818) 395-2970
REFER TO:	LIGO-T950026-00-B
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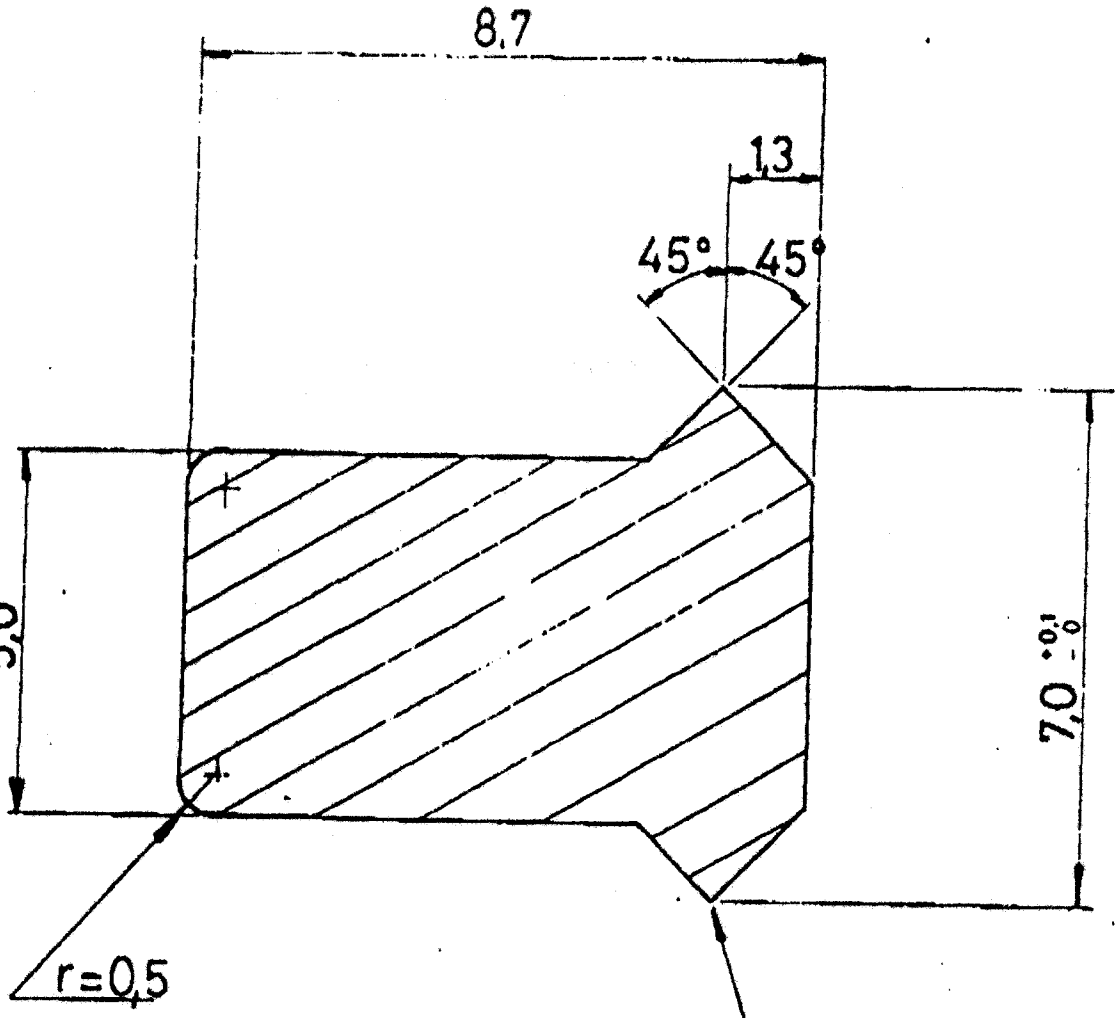
NOTE: This summarizes all I know on the subject of replacing O-rings with metal seals for vacuum applications. I've gotten more details regarding the extruded diamond-shaped 1100 aluminum extrusion: it's not really diamond shaped (see attached sketch), and is butt-welded using a saw-blade welder manufactured by a company named Ideal. This is done at the CERN accelerator facility in France, with a technician filing the joint using an eye loupe for magnification. We don't know if these would work for joints larger than 10", and they don't appear to be sized for an O-ring groove. If you're seriously interested in finding the source of the extruded material, I can dig some more.

Probably a more fertile source is EVAC International (NJ), at (201) 666-8558, who makes metal rings to fit (at least) the smalll, ISO flanges. I don't know if they make seals for the large flanges.

Another possibility is the Helicoflex (SC) Delta seal, (803) 783-1880. They will be expensive, but (if the right size exists) should be cheaper than new flanges.



A ≈ 44 mm²

Poids = 122,318 g/m

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