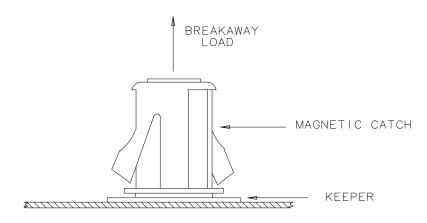
L		( (	PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY CPANTED IN WRITING INFORMATION DISCLOSED		DATE	DRAWN CHKD SCALE	SCALE	DRAWING NUMBER	ER
<u>N</u>	OUCH	0	SOUCING HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.	No.02 MAGNETIC CAICH - 400 SERIES	17SEP73	PEK	SLN	TD-02-4-	) -
REV	DATE	DRAWN/C	DRAWN/CHKD DESCRIPTION						<
U	C 09APR2002	GDM	1 UPDATE FORMAT					       	PAPFR
	25APR2016	CMS/J	D 25APR2016 CMS/JDS PRN: P2016-0893					THIRD ANGLE PROJECTION	SIZE

## General Performance Guidelines

The information shown on this page was determined under one set of test conditions and is supplied as a general guide only, as conditions vary with each application. Strength data is given for failure of the product of for sufficient deformation to make the product inoperable. No safety factor has been applied. It is recommended that the user test the product for his particular application.

## No.02 MAGNETIC CATCH - 400 SERIES



THE FOLLOWING TEST DATA APPLIES TO THE 02-20-41X-X0 MAGENTIC CATCHES AND THE 02-14-301-14 KEEPER.

AVERAGE BREAKAWAY LOAD - 18.5 N (4.2 lbs) STANDARD DEVIATION OF DATA - 3.2 N (.72 lbs) ±STANDARD DEVIATION RANGE - 5.8 N (1.3 lbs) TO 31.2 N (7.1 lbs)

NOTE: HOLDING FORCE OF THE MAGNETIC CATCH IS RELATED TO THE SURFACE OF THE KEEPER AND THE MATERIAL. THE OPTIMUM KEEPER SURFACE FOR HOLDING POWER IS PLAIN STEEL, FLAT AND PERPENDICULAR TO THE POLE PIECES OF THE MAGNET. THE HOLDING FORCE OF THE ASSEMBLY (CATCH AND KEEPER) DECREASES FROM THE OPTIMUM WHEN:

- A) THE KEEPER SURFACE IS PAINTED OR PLATED. THE THICKER THE FINISH, THE LESS THE HOLDING POWER.

  B) ANY ANGULARITY OF THE LATCH TO THE KEEPER.

  C) LACK OF FLATNESS EXISTS ON THE KEEPER SURFACE.