means//
Propulsion Systems

Means Engineering Method

Engineering Specification

No.: MEM-003

Change:
B

| Subject: | Key Characteristic Designation Practices | Page: 1 of 2 |

1.0 Purpose:

Define how Means Industries, Inc. uses key characteristics symbols to standardize identification, documentation and communication of characteristics that require additional care to ensure consistency and compliance to customer requirements within Means and its suppliers.

2.0 Scope:

This procedure applies to all product drawings generated from the One Way Clutch business unit.

3.0 Responsibilities:

The Means Design & Test Lab Manager is responsible for the maintenance of this specification with input from the Means Quality Manager.

4.0 Definitions:

Key Characteristic Symbol	Definition / Purpose
◇	Initial process capability (Cpk/Ppk) dependent on customer requirements. Documented in control plan.
◆	Initial process capability and ongoing SPC required and must be made available upon customer (Means) request. Documented in control plan. Cpk/Ppk ≥ 1.67 or 100% verification of characteristic
◉	Pass through characteristic with direct customer interface. Initial process capability (Cpk/Ppk) dependent on customer requirements. Documented in control plan.
◉	Pass through characteristic with direct customer interface. Initial process capability and ongoing SPC required and must be made available upon customer (Means) request. Documented in control plan. Cpk/Ppk ≥ 1.67 or 100% verification of characteristic
⊕	Pass through characteristic only. No initial process capability or ongoing SPC required. Not documented in control plan.

5.0 Engineering Method: none

6.0 References: none

7.0 Approvals: none

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8.0 Revision Record:

WO#	ECR	ERN	Rev	Revision Change Description	Chgd	Appr	Date
none	00763	00505	A	Initial release	J.Jurek	J.Jurek	10/16/15
none	01222	00668	B	Circled hollow diamond was - initial process capability required. Cpk/Ppk requirement dependent on OEM customer requirements	J.Jurek	J.Prout	06/20/19

D	Propose adding Pass through character only	D.Hacker