

Failure Mode and Effects Analysis



Description Instructions

This template illustrates a Failure Mode and Effects Analysis (FMEA), also referred to as a Potential Failure Mode and Effects Analysis (PFMEA) or Failure Modes, Effects and Criticality Analysis (FMECA). A detailed discussion can be found at www.ASQ.org

Learn About FMEA

• Please follow the link for detailed instructions for data entry

- Initiate action to reduce the RPN
- Re-evaluate the RPN value after completion of the recommended actions

To learn more about other quality tools, visit the ASQ Learn About Quality web site.

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Item:	Drill Hole		_	Responsibility: J. Doe Prepared by: J. Doe					_		123456					
Model:	Current		_						_	Page :	1 of 1					
Core Team:	J. Doe (Engineering), J. Smith (Production), B. Jones (Quality)									-	FMEA Date (Orig):	1/1/2008	R	ev:	1	
Process Function	Potential Failure Mode	Potential Effect(s) of Failure	S e v	С	Potential Cause(s)/	O c	Current Process Controls	D e t e c	R P N	Recommended Action(s)	Responsibility and Target Completion Date	Action Results				
				a s s	Mechanis m(s) of Failure	c u r							S e v	O c c	D e t	R P N
Drill Blind Hole	Hole to deep	Break through bottom of plate	7		Improper machine set up	3	Operator training and instructions	3	63							0
	Hole not deep enough	Incomplete thread form	5		Improper machine set up	3	Operator training and instructions	3	45							0
			5		Broken Drill	5	None	9	225	Install Tool Detectors	J. Doe	3/1/2008	5	5	1	25
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This template was written for the American Society for Quality by

Stat Aids

Your feedback is welcome and encouraged. Please e-mail to:

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