

(DFA) Design for Assembly

Individual Assembly Evaluation for: Irwin post 2007 Clamp

Organization Name : Example

	OVERALL ASSEMBLY	
1	Overall part count minimized	Fair 2
2	Minimum use of separate fasteners	Fair 2
3	Base part with fixturing features (Locating surfaces and holes)	Outstanding 8
4	Repositioning required during assembly sequence	>=2 Positions 4
5	Assembly sequence efficiency	Very good 6
	PART RETRIEVAL	
6	Characteristics that complicate handling (tangling, nesting, flexibility) have been avoided	Most parts 6
7	Parts have been designed for a specific feed approach (bulk, strip, magazine)	Few parts 2
	PART HANDLING	
8	Parts with end-to-end symmetry	Some parts 4
9	Parts with symmetry about the axis of insertion	Some parts 4
10	Where symmetry is not possible, parts are clearly asymmetric	Most parts 6
	PART MATING	
11	Straight line motions of assembly	Some parts 4
12	Chamfers and features that facilitate insertion and self-alignment	Some parts 4
13	Maximum part accessibility	Most parts 6
Note: Only for comparison of alternate designs of same assembly		TOTAL SCORE 58

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