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| **(DFA) Design for Assembly** |
| Individual Assembly Evaluation for:Irwin post 2007 Clamp | Organization Name : Example |
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|  | **OVERALL ASSEMBLY** |  |
| 1 | Overall part count minimized |  |
| 2 | Minimum use of separate fasteners |  |
| 3 | Base part with fixturing features (Locating surfaces and holes) |  |
| 4 | Repositioning required during assembly sequence |  |
| 5 | Assembly sequence efficiency |  |
|  | **PART RETRIEVAL** |  |
| 6 | Characteristics that complicate handling (tangling, nesting, flexibility) have been avoided |  |
| 7 | Parts have been designed for a specific feed approach (bulk, strip, magazine) |  |
|  | **PART HANDLING** |  |
| 8 | Parts with end-to-end symmetry |  |
| 9 | Parts with symmetry about the axis of insertion |  |
| 10 | Where symmetry is not possible, parts are clearly asymmetric |  |
|  | **PART MATING** |  |
| 11 | Straight line motions of assembly |  |
| 12 | Chamfers and features that facilitate insertion and self-alignment |  |
| 13 | Maximum part accessibility |  |
| Note: Only for comparison of alternate designs of same assembly | **TOTAL SCORE** |      58 |

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