

# Tolerance Stacks – 3 Day Seminar Agenda

Session	Unit	Description	Exercises	Assignments
<b>1</b>	1	Importance of stacks Prerequisite skills	Skills survey	<u>Read units:</u> 5, 7, 9, 12, 13, 18  <u>Do stacks:</u> 6-1, 8-1,
	3	Introduction to stacks		
	4	The four basic stack steps Part stacks using coordinate dimensions <b>Lunch</b>	<b>4-1, 4-2, 4-3, 4-4, 4-6</b>	
	6	Part stacks using runout	<b>6-2, 1,2</b>	
	8	Part stacks using profile	<b>8-1, 8-2, 8-4, 8-5</b>	
<b>2</b>	10	Part stacks using position	<b>8, 10-3, 9</b>	
	11	Part stacks using bonus (planar & RFS datums)	<b>10, 11-2, 11-3,</b>	
	12	Warm up problems	6-7, 7, 10-2, 11-4	
	18	Part stacks using position with bonus and shift	<b>12-1, 12-2, 12-4</b>	
	5	Part stacks using multiple geometric tolerances	<b>18-1, 18-5, 18-6</b>	
<b>3</b>	7	Assembly stacks using coordinate dimensions <b>Lunch</b>	<b>5-1, 5-2, 5-3</b>	
	9	Assembly stacks using runout	<b>7-1, 7-2, 23</b>	
	13	Assembly stacks using profile	<b>25, 28, 29</b>	
	14	Assembly stacks using position	<b>32, 33, 35</b>	
	14	Warm up problems	5-4, 7-4, 31, 34	
<b>3</b>	15	Stacks using form controls applied to a feature	<b>14-1, 14-3, 14-4</b>	<u>Do stacks:</u> 4-3, 4-4, 4-5, 5-5, 8-3, 9-3, 9-5, 9-7, 12-5, 12-7, 13-3, 18-3, 18-5, 18-7, 19-2, 19-3
	16	Stacks using straightness applied to a feature of size	<b>15-1, 15-2</b>	
	17	Stacks using orientation controls applied to a feature	<b>36</b>	
	17	Stacks using orientation controls applied to a feature of size <b>Lunch</b>	<b>38,</b>	
	19	Assembly stacks using multiple geometric tolerances	<b>19-1, 19-4, 19-5, 19-6, 19-7</b>	
<b>3</b>	20	Differences in stacks using Y14.5M-1982 vs. 1994 stds	<b>Handout</b>	
	20	Stack matrix chart	<b>20-1</b>	
	20	Evaluating a stack answer Additional topics	<b>20-2</b>	