

**Shims**

Drawing	Part Number	Dimension (mm)						Angle (°)		Notes
		A	B	C	D	E	F	$\alpha$	$\theta$	
	LC -32	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-32N	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-4K	11.7	3.2	1.4	8.1	6.73	R0.8	-	-	Shim Pin : LSP-3K
	-42	12.65	3.2	1.5	8.01	6.28	R0.8	-	-	Shim Pin : LSP-2
	-42N-20						R2.0			
	-53	15.9	4.8	1.7	10.0	8.0	R1.2	-	-	Shim Pin : LSP-3
-53N	15.9	4.8	1.7	10.0	8.0	R1.2	-	-	Shim Pin : LSP-3	
	LC -42%	12.65	3.2	1.5	8.01	6.28	R0.8	10°	-	R Shows Right-hand Thread L Shows Left-hand Thread Shim Pin : LSP-2
	-42N%						R0.8			
	-42N%/-20						R2.0			
	LD -32	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-32N	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-4K	11.7	3.2	1.4	8.1	6.73	R0.8	-	-	Shim Pin : LSP-3K
	-4K43	11.7	4.8	3.0	8.3	6.60	R1.2	-	-	Shim Pin : LSP-3K
	-42	12.65	3.2	1.5	8.01	6.28	R0.8	-	-	Shim Pin : LSP-2
	-42-20						R2.0			
	-43	12.65	4.8	3.1	8.5	6.28	R0.8	-	-	Shim Pin : LSP-2
-43-20	12.65	4.8	3.1	8.5	6.28	R2.0	-	-	Shim Pin : LSP-2	
	LR -80	9.47	3.2	1.3	6.25	4.75	-	-	-	Shim Pin : LSP-1
	-81	12.65	3.2	1.5	8.01	6.28	-	-	-	Shim Pin : LSP-2
	LR -10C	8.5	3.2	6.3	6.3	4.7	-	-	-	Shim Pin : LSP-1
	-12C	10.0	3.2	6.3	6.3	4.7	-	-	-	Shim Pin : LSP-1
	-16C	13.6	3.2	7.9	8.01	6.28	-	-	-	Shim Pin : LSP-2
	LS -32	9.47	3.2	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-42	12.65	3.2	1.5	8.01	6.28	R0.8	-	-	Shim Pin : LSP-2
	LT -3K	8.53	2.7	1.0	6.1	5.13	R0.8	-	-	Shim Pin : LSP-2K
	-32	9.47	2.7	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-32N						R2.0			
	-32N-20	9.47	2.7	1.3	6.18	4.68	R2.0	-	-	Shim Pin : LSP-1
	-42	12.65	3.2	1.5	8.01	6.28	R0.8	-	-	Shim Pin : LSP-2
	-42N						R2.0			
-42N-20	12.65	3.2	1.5	8.01	6.28	R2.0	-	-	Shim Pin : LSP-2	
	LW -32	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-32N	9.47	2.4	1.3	6.18	4.68	R0.8	-	-	Shim Pin : LSP-1
	-42	12.65	3.2	1.5	8.01	6.28	R0.8	-	-	Shim Pin : LSP-2
	-42N						R0.8			
	MFPN -45	17.07	3.5	1.95	9.8	7.18	R3.5	-	-	Shim Screw : SPW-7050
	MFWN -90	15.25	4.0	2.5	9.44	7.25	R3.0 R4.0	-	-	Shim Screw : SPW-7050
	LW -42%	12.65	3.2	1.5	8.01	6.28	R0.8	10°	-	R Shows Right-hand Thread L Shows Left-hand Thread Shim Pin : LSP-2
	-42N%									
	MSD -42	10.7	3.2	1.85	7.0	3.3	-	20°	45°	Shim Screw : SP3X8
	MSE -4245S	10.3	3.2	2.0	6.0	5.0	-	20°	45°	Shim Screw : SP4X9

GRADES	<b>A</b>
LINEUP / INSERTS	<b>B</b>
45° / 70° LEAD	<b>C</b>
75° LEAD	<b>D</b>
90° LEAD	<b>E</b>
HIGH FEED	<b>F</b>
MULTI-FUNCTION	<b>G</b>
SLOT MILLS	<b>H</b>
RADIUS / BALL-NOSE	<b>J</b>
OTHER APPLICATIONS	<b>K</b>
TOOL HOLDING	<b>O</b>
SPARE PARTS	<b>P</b>
TECHNICAL	<b>R</b>
INDEX	<b>T</b>