SPI Feed Screw Standards

LENGTHS, DEPTHS & WIDTHS

DIMENSION DESCRIPTION	ENGLISH UNITS		METRIC UNITS	
	RANGE	TOLERANCE	RANGE	TOLERANCE
I.Most Linear Dimensions	To 12" 12-60" 60-120" 120-200" Over 200"	+/- .010" +/- .030" +/- .045" +/- .060" +/- .090"	To 300mm 300-1500mm 1500-3000mm 3000-5000mm over 5000mm	+/- .25mm +/- .75mm +/- 1.00mm +/- 1.50 mm +/- 2.25mm
II.Flight Width	To .500" .500-1.000" Over 1.000"	+/- .015" +/- .020" +/- .030"	To 12mm 12-25mm over 25mm	+/- .38mm +/- .50mm +/- .75mm
III.Channel Depth	To .100" .100-.500" Over .500"	+/- .003" +/- .007" +/- .012"	To 2.5mm 2.5-.13.0mm over 13.0mm	+/- .08mm +/- .18mm +/- .30mm
IV. Barrier Flight Depth	To 6.0" Dia. Over 6.0" Dia.	+/- .002" +/- .003"		+/- .05mm +/- .075mm
V.Section Length	All Sizes	+/- 1/8 turn	+/- 1/8 turn	
VI. Keyways	All Sizes	Depth +/- .005"	depth +/- .13 mm	
VII. Hollowbores	All Sizes	Length +/- .030"	Length +/- .76mm	
VIII. Thread Pilots	All	Length +/-	Length +/-	

*Injection Extrusion	Sizes All Sizes	.005" Length +/- .015"	.13mm Length +/- .4mm	
*This should particularly be observed for screws filled with non-return valves.				

DIAMETERS				
DIMENSION	**ENGLISH UNITS**		**METRIC UNITS**	
DESCRIPTION	**RANGE**	**TOLERANCE**	**RANGE**	**TOLERANCE**
I. Flight & Bearings (Hub) Diameters	To 6.0" Over 6.0"	+/- .000-.002" +/- .000-.004"	To 150mm over 150mm	+/- .00-.05mm +/- .00-.10mm
II. Shank Diameters (Drive Fit)	All Sizes	+/- .0-.002"	All Sizes	+/- .00-.50mm
III. Hollowbores	To 3" 3 to 6" over 6"	+/- .020" +/- .040" +/- .060"	To 75mm 75-150mm over 150mm	+ .5mm +/- 1.0mm +/-1.5mm
IV. Thread Pilots *Injection Extrusion	All Sizes All Sizes	Dia + .001-.000" Dia + .002-.000"	Dia + .025-.000mm Dia + .050-.000mm	
*This should particularly be observed for screws fitted with back-flow valves.				