

Divide By Zero Experiments

OD_Free	1.1		0.2111	0.2110	0.2109	0.2010	0.2009	0.0000
Wire_Dia	0.1055		0.1055	0.1055	0.1055	0.1055	0.1055	0.1055
Mean_Dia	0.9945	OD_Free - Wire_Dia	0.1056	0.1055	0.1054	0.0955	0.0954	-0.1055
Spring_Index	9.426540284	Mean_Dia / Wire_Dia	1.000947867	1	0.999052133	0.90521327	0.904265403	-1
kc	1.089004499	(4 * Spring_Index - 1) / (4 * Spring_Index - 4)	792.25	#DIV/0!	-790.25	-6.9125	-6.834158416	0.625
ks	1.154245827	kc + 0.615 / Spring_Index	792.8644176	#DIV/0!	-789.6344165	-6.233102094	-6.154048353	0.01
Number.epsilon		2.220446049250E-16						
epsilon	2.2204E-16		2.22E-16	2.22E-16	2.22E-16	2.22E-16	2.22E-16	2.22E-16
		Protected kc calculation						
NumOne	36.70616114	(4 * Spring_Index - 1)	3.003791469	3	2.996208531	2.620853081	2.617061611	-5
DenOne	33.70616114	(4 * Spring_Index - 4)	0.003791469	0	-0.003791469	-0.379146919	-0.382938389	-8
NoDiv0One	1.089004499	NumOne * DenOne / (DenOne * DenOne + epsilon)	792.25	0.00E+00	-790.25	-6.9125	-6.834158416	0.625
kc_Protected	1.089004499	NoDiv0_One	792.25	0.00E+00	-790.25	-6.9125	-6.834158416	0.625
		Protected ks calculation						
NumTwo	0.615		0.615	0.615	0.615	0.615	0.615	0.615
DenTwo	9.426540284	Spring_Index	1.000947867	1	0.999052133	0.90521327	0.904265403	-1
NoDiv0Two	0.065241327	NumTwo * DenTwo / (DenTwo * DenTwo + epsilon)	0.614417614	0.615	0.615583491	0.679397906	0.680110063	-0.615
ks_Protected	1.154245827	kc_Protected + NoDiv0Two	792.8644176	0.615	-789.6344165	-6.233102094	-6.154048353	0.01
Search result			Success	Fail	Success	Success	Fail	Fail