



SIZE	"A"	"B"	"C"	"D"	"E"
3/4 X 1/2	4.000	.750	.620	.500	.370
1 X 1/2	4.500	1.000	.870	.500	.370
1 X 3/4	4.000	1.000	.870	.750	.620
1-1/2 X 1/2	5.500	1.500	1.370	.500	.370
1-1/2 X 3/4	5.000	1.500	1.370	.750	.620
1-1/2 X 1	5.000	1.500	1.370	1.000	.870
2 X 1/2	7.750	2.000	1.870	.500	.370
2 X 3/4	7.250	2.000	1.870	.750	.620
2 X 1	7.250	2.000	1.870	1.000	.870
2 X 1-1/2	5.250	2.000	1.870	1.500	1.370
2-1/2 X 1/2	9.750	2.500	2.370	.500	.370
2-1/2 X 3/4	9.625	2.500	2.370	.750	.620
2-1/2 X 1	9.250	2.500	2.370	1.000	.870
2-1/2 X 1-1/2	7.250	2.500	1.375	1.500	1.370
2-1/2 X 2	5.500	2.500	1.375	2.000	1.870
3 X 1/2	13.250	3.000	2.870	.500	.370
3 X 3/4	12.250	3.000	2.870	.750	.620
3 X 1	11.250	3.000	2.870	1.000	.870
3 X 1-1/2	9.250	3.000	2.870	1.500	1.370
3 X 2	7.500	3.000	2.870	2.000	1.870
3 X 2-1/2	5.500	3.000	2.870	2.500	2.370
4 X 1	15.500	4.000	3.834	1.000	.870
4 X 1-1/2	13.500	4.000	3.834	1.500	1.370
4 X 2	11.750	4.000	3.834	2.000	1.870
4 X 2-1/2	9.750	4.000	3.834	2.500	2.370
4 X 3	7.750	4.000	3.834	3.000	2.870
6 X 3	10.000	6.000	5.782	3.000	2.870
6 X 4	10.000	6.000	5.782	4.000	3.834

NOTE: 1. MINIMUM TANGENT LENGTHS ARE PER LATEST ASME-BPE PUBLICATION
 2. ALL DIMENSIONS ARE IN INCHES

TOLERANCES & MATERIAL REFER TO LATEST ASME-BPE PUBLICATION	Steel & O'Brien Mfg. Inc.	
	TITLE EXTENDED TANGENT CONCENTRIC REDUCER S31	
	DWG NO: S31	REV
	SCALE: NTS	SHEET 1 OF 1