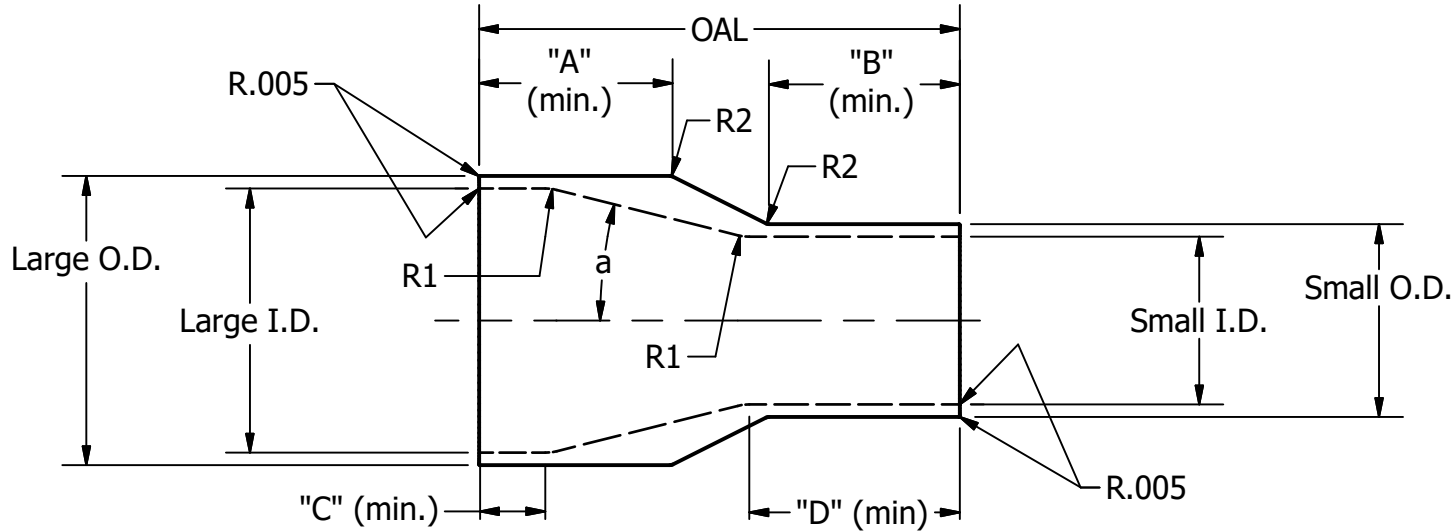


Part No.	Large O.D.	Large I.D.	Small O.D.	Small I.D.	"A"	"B"	"C"	"D"	"R1" min	"R2" min	"a" max	OAL
S31S-.50X.25	.500	.370	.250	.180	1.000	.750	.375	.875	.250	.031	30	1.875
S31S-.75X.50	.750	.620	.500	.370	1.000	1.000	.375	1.125	.250	.031	30	2.125
S31S-1X.50	1.000	.870	.500	.370	1.000	1.000	.375	1.125	.250	.031	30	2.500
S31S-1X.75	1.000	.870	.750	.620	1.000	1.000	.375	1.125	.250	.031	30	2.125
S31S-15X.75	1.500	1.370	.750	.620	1.000	1.000	.375	1.125	.250	.031	30	3.000
S31S-15X1	1.500	1.370	1.000	.870	1.000	1.000	.375	1.125	.250	.031	30	2.500
S31S-2X1	2.000	1.870	1.000	.870	1.000	1.000	.375	1.125	.250	.031	30	3.375
S31S-2X15	2.000	1.870	1.500	1.370	1.000	1.000	.375	1.125	.250	.031	30	2.500
S31S-25X15	2.500	2.370	1.500	1.370	1.000	1.000	.375	1.125	.250	.031	30	3.375
S31S-25X2	2.500	2.370	2.000	1.870	1.000	1.000	.375	1.125	.250	.031	30	2.500



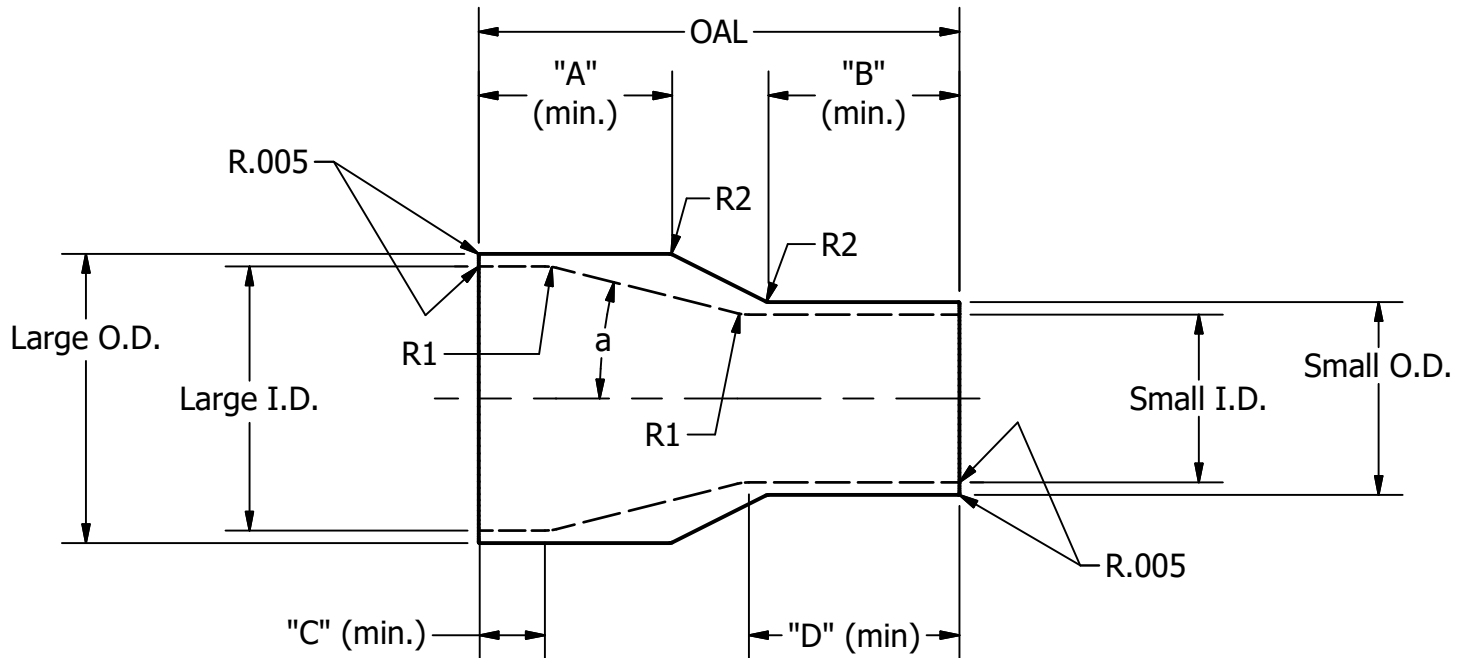
**NOTES:**

- 1.) Dimensions "A", "B", "C" and "D" are straight tangent lengths (before radii)
- 2.) Part must conform to the latest ASME BPE Specifications for Dimensions and Material

TOLERANCES		<b>Steel &amp; O'Brien Mfg. Inc.</b>	
REFER TO LATEST ASME-BPE SPECIFICATIONS		TITLE S31S AUTOMATIC TUBE WELD SHORT CONCENTRIC REDUCER	
		DWG NO: <b>S31S</b>	
		REV 1	
SCALE: 1 : 1		SHEET 1 OF 2	

REVISION HISTORY		
REV	DESCRIPTION	DATE
1	Added .500x.250 Size	5/29/2019

Part No.	Large O.D.	Large I.D.	Small O.D.	Small I.D.	"A"	"B"	"C"	"D"	"R1" min	"R2" min	"a" max	OAL
S31S-3X15	3.000	2.870	1.500	1.370	1.500	1.000	.375	1.125	.250	.031	30	4.250
S31S-3X2	3.000	2.870	2.000	1.870	1.500	1.000	.375	1.125	.250	.031	30	3.375
S31S-3X25	3.000	2.870	2.500	2.370	1.500	1.000	.375	1.125	.250	.031	30	2.625
S31S-4X2	4.000	3.834	2.000	1.870	1.500	1.000	.375	1.125	.250	.031	30	5.125
S31S-4X25	4.000	3.834	2.500	2.370	1.500	1.000	.375	1.125	.250	.031	30	4.250
S31S-4X3	4.000	3.834	3.000	2.870	1.500	1.500	.375	1.625	.250	.031	30	3.875
S31S-6X3	6.000	5.782	3.000	2.870	2.000	1.500	.375	1.625	.250	.031	30	7.250
S31S-6X4	6.000	5.782	4.000	3.834	2.000	1.500	.375	1.625	.250	.031	30	5.625



**NOTES:**

- Dimensions "A", "B", "C" and "D" are straight tangent lengths (before radii)
- Part must conform to the latest ASME BPE Specifications for Dimensions and Material

TOLERANCES  REFER TO LATEST ASME-BPE SPECIFICATIONS	<b>Steel &amp; O'Brien Mfg. Inc.</b>	
	TITLE S31S AUTOMATIC TUBE WELD SHORT CONCENTRIC REDUCER	
	DWG NO: <b>S31S</b>	REV 1
	SCALE: 1 : 1	SHEET 2 OF 2