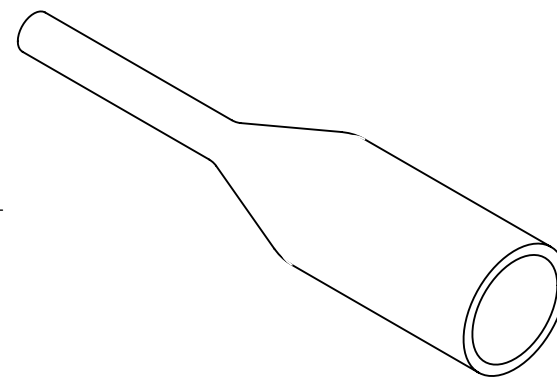
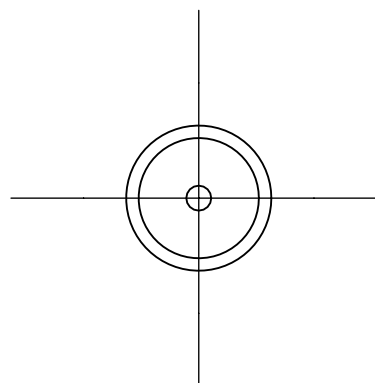




1. SHRINK RATIO 3:1
2. LONGITUDINAL CHANGE AFTER SHRINKAGE -10% MAX
3. MINIMUM SHRINK TEMPERATURE 230° F (110° C)
4. OPERATING TEMPERATURES -67° F TO 257° F (-55° C TO 125° C)
5. MEETS SAE-AMS-DTL-23053/4
6. SOFTENING POINT ADHESIVE 176° F (80° C)
7. RoHS
8. FLAMMABILITY UL224 VW-1 660V

Type	Shrink Ratio	Nominal Trade Size	Supplied Diameter (D)		Recovered Diameter (d)		Wall Thickness Recovered (WT)		Color	Package Quantity
		in	in	mm	in	mm	in	mm		(# of sticks per PACK)
4 Foot Sticks: 3:1 Thin Wall w/Adhesive										
TAN33-ST-3/1 BK	3:1	1/8	0.112	3.0	0.039	1.0	0.039	1.00	Black	20
TAN33-ST-4.8/1.5 BK	3:1	3/16	0.189	4.8	0.059	1.5	0.039	1.00	Black	20
TAN33-ST-6/2 BK	3:1	1/4	0.236	6.0	0.079	2.0	0.039	1.00	Black	15
TAN33-ST-9/3 BK	3:1	3/8	0.354	9.0	0.112	3.0	0.056	1.40	Black	15
TAN33-ST-12/4 BK	3:1	1/2	0.472	12.0	0.158	4.0	0.063	1.60	Black	10
TAN33-ST-19/6 BK	3:1	3/4	0.748	19.0	0.236	6.0	0.085	2.15	Black	15
TAN33-ST-24/8 BK	3:1	1	0.945	24.0	0.315	8.0	0.094	2.40	Black	10
TAN33-ST-40/13 BK	3:1	1-1/2	1.580	40.0	0.512	13.0	0.094	2.40	Black	6

Material POLYOLEFIN, ADHESIVE-LINED CROSS LINKED	Units: inches	The copyright of this drawing is reserved by HellermannTyton. It is issued on condition that it is not reproduced, copied, or disclosed to a third party, either wholly or in part, without the consent of HellermannTyton.	Drawn	GRW	12/9/2016	Article/Type-No	TAN33 SERIES		Scale
	Dimension without tolerances details to: .0000 = ± .0005 .000 = ± .005 .00 = ± .01 .0 = ± .03 None = ± .06 < = ±0.5* Dimension Formatted in/[mm]		Approved	KAC	12/9/2016	Title	HEAT SHRINK TUBING, 3:1 SHRINK RATIO, ADHESIVE-LINED THIN WALL		Project Number
			 North America Email: corp@htamericas.com Web: www.hellermann.tyton.com			Drawing-No	PRODUCTION : Phase	Format	AH
						16-1988-001-CSU		Sheet	1/1