

G.W. LISK CO.,INC.
CLIFTON SPRINGS, NEW YORK 14432

CHANGE NUMBER **CNGIT-V**
FINAL ASSEMBLY

ENGINEERING CHANGE NOTICE

DRAWN D. SHOEMAKER	DATE 22MAR16
CHECKED T. PEMBROKE	DATE 22MAR16
APPROVED T. PEMBROKE	DATE 22MAR16

DWG.NO. GIT REV. V DWG.NAME INSULATION TUBING

CHANGE

REASON

ADDED "AS SUPPLIED (EXPANDED)" TO SIZE CHART

T01 DESCRIPTION:HEAVY WALL PTFE TUBING 2:1 SHRINK RATIO WAS TEFLON, SHRINK TEMP 327°C WAS 175°C

T02 DESCRIPTION: ADDED NO SHRINK

T03 DESCRIPTION:STANDARD WALL PTFE TUBING 2:1 SHRINK RATIO WAS EXTRUDED MODIFIED TEFLON TUBING

T04 DESCRIPTION:THIN WALL PTFE TUBING 2:1 SHRINK RATIO WAS THIN WALL EXTRUDED PTFE TUBING

DRAWING CLARIFICATION
SPECIFICATION UPDATE

REGULATORY AGENT APPROVAL REQUIRED?
YES NO

STOCK DISPOSITION

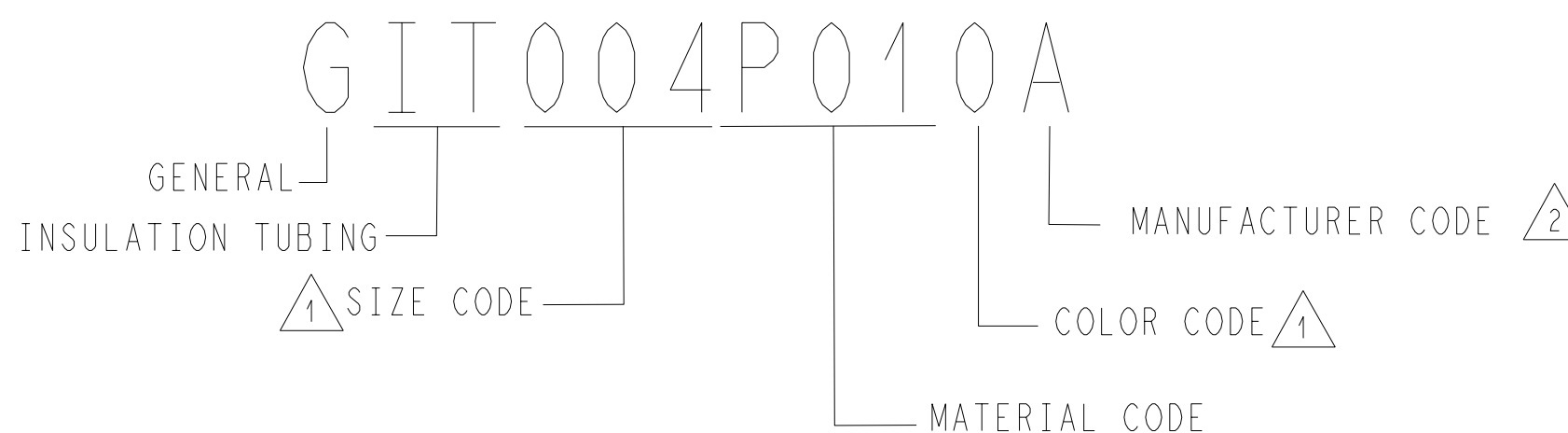
IS CERTIFIED PRODUCT AFFECTED?
YES NO 30MAR16
IF YES, INITIALED BY AUTHORIZED PERSON T. GREEN

P.A.D.	FINAL	NEXT HLA	PART NUMBER
<input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> U - USE AS IS
<input type="checkbox"/> RL	<input type="checkbox"/> RL	<input type="checkbox"/> RL	<input type="checkbox"/> RL - REWORK/SORT LISK
<input type="checkbox"/> RC	<input type="checkbox"/> RC	<input type="checkbox"/> RC	<input type="checkbox"/> RC - REWORK/SORT CUSTOMER
<input type="checkbox"/> SL	<input type="checkbox"/> SL	<input type="checkbox"/> SL	<input type="checkbox"/> SL - SCRAP LISK
<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC	<input type="checkbox"/> SC - SCRAP CUSTOMER

ORIGINATED BY: ENGINEERING CHANGE EFFECTIVE ON: 22MAR16

CHANGE CLASSIFICATION PER PWI 04.02.04
 N/A CLASS 1 CLASS 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
U	SEE CNGIT-U D. BROOKINS 05MAY14 P.A.D. U FINAL U NEXT HLA U PART NUMBER U	07 MAY 14	P. GALENS T. GREEN
V	SEE CNGIT-V D. SHOEMAKER 22MAR16 P.A.D. U FINAL U NEXT HLA U PART NUMBER U	22 MAR 16	P. GALENS T. GREEN



SIZE CHART		
SIZE CODE	AS SUPPLIED (EXPANDED) NOMINAL SIZE INSIDE DIAMETER	
003	1/32	0.0312
004	3/64	0.0469
006	1/16	0.0625
007	5/64	0.0781
008	11/128	0.0859
009	3/32	0.0938
010	7/64	0.1094
012	1/8	0.1250
015	5/32	0.1563
018	3/16	0.1875
021	7/32	0.2188
025	1/4	0.2500
031	5/16	0.3125
037	3/8	0.3750
043	7/16	0.4375
050	1/2	0.5000
062	5/8	0.6250
075	3/4	0.7500
088	7/8	0.8750
100	1	1.0000
112	1 1/8	1.1250
118	1 3/16	1.1875
125	1 1/4	1.2500
131	1 5/16	1.3125
137	1 3/8	1.3750
143	1 7/16	1.4375
150	1 1/2	1.5000
200	2	2.0000
300	3	3.0000
400	4	4.0000
500	5	5.0000

MATERIAL CHART						
CODE	SERIES	DESCRIPTION	SERVICE TEMP	SHRINK TEMP	MIL SPEC	CLASS
E01	NT	VERY FLEXIBLE MODIFIED ELASTOMER	-70°C TO 121°C	135°C		
E02	DR-25	HEAT SHRINK, CHEMICAL AND ABRASIVE RESISTANT TUBING	-75°C TO 150°C	150°C	AMS-DLT-23053/16	
F01	RT-375	CLEAR, FLAME-RESISTANT, FLEXIBLE FLUOROPOLYMER	-55°C TO 150°C	150°C		
H01	HCTE	ETHYLENE TETRAFLUOROETHYLENE HELICAL CONVOLUX TUBING	-55°C TO 200°C	NO SHRINK		
K01	KYNAR	HIGH TEMPERATURE CHEMICAL RESISTANT POLYVINYLIDENE FLUORIDE	-55°C TO 175°C	175°C		
N01	NT-FR	VERY FLEXIBLE, RUGGED NEOPRENE ELASTOMER	-70°C TO 121°C	135°C		
N02	NT-MIL	FLEXIBLE, RUGGED, MODIFIED ELASTOMER	-70°C TO 124°C	135°C	SAE-AMS-DTL-23053/1	1&2
P01	RNF-100	FLEXIBLE FLAME-RETARDANT GENERAL-PURPOSE POLYOLEFIN	-55°C TO 135°C	121°C	MIL-I-23053/5	1
P02	RNF-150	HIGH-PERFORMANCE FLAME-RESISTANT, FLEXIBLE FLUOROPOLYMER	-55°C TO 150°C	150°C	MIL-I-23053/18	2
P03	RNF-3000	FLEXIBLE FLAME-RETARDANT HIGH-SHRINK-RATIO POLYOLEFIN	-55°C TO 135°C	120°C		
P04	RP-4800	FLAME-RETARDANT HIGH-SHRINK-RATIO POLYOLEFIN	-55°C TO 135°C	121°C	MIL-I-23053/5	1
P05	RT-3	SEMIRIGID FLAME-RETARDANT POLYOLEFIN	-55°C TO 135°C	135°C		
P06	MIL-LT	VERY FLEXIBLE LOW-SHRINK-TEMP POLYOLEFIN	-55°C TO 135°C	90°C	MIL-I-23053/5	1&3
P07	ATUM	ADHESIVE-LINED POLYOLEFIN	-55°C TO 110°C	125°C	MIL-I-23053/4	3
P08	CGPE-105	GENERAL-PURPOSE POLYOLEFIN	-70°C TO 135°C	110°C	MIL-I-23053/5	1
P09	CRN	SEMIRIGID FLAME-RETARDANT POLYOLEFIN	-55°C TO 135°C	135°C	MIL-I-23053/5	1
P10	DCPT	FLEXIBLE FLAME-RETARDANT DUAL-COLOR POLYOLEFIN	-55°C TO 135°C	120°C	MIL-I-23053/5	1
P11	DWP-125	FLEXIBLE ADHESIVE-LINED POLYOLEFIN	-40°C TO 110°C	125°C	MIL-I-23053/5	1
P12	SCL	SEMIRIGID ENCAPSULANT-LINED POLYOLEFIN	-55°C TO 110°C	135°C	MIL-I-23053/5	1
P13	TAT-125	ADHESIVE-LINED FLEXIBLE POLYOLEFIN	-55°C TO 110°C	121°C	MIL-I-23053/4	2
P14	VERSAFIT	HIGHLY FLAME-RETARDANT LOW-SHRINK-TEMPERATURE POLYOLEFIN	-55°C TO 135°C	90°C	AMS-DTL-23053/5	1
P15	VTW	VERY-THIN-WALL, VERY FLEXIBLE, FLAME-RETARDANT POLYOLEFIN	-55°C TO 135°C	90°C	MIL-I-23053/5	1
P16	PVC	HIGHLY FLAME RETARDANT, PVC HEAT SHRINKABLE TUBING	-20°C TO 105°C	100°C	MIL-DTL-23053/2	2
P17	SFTW-203	FLEXIBLE POLYOLEFIN 3:1 SHRINK RATIO	-55°C TO 135°C	100°C	MIL-DTL-23053/5	1
P18	GSHS-1635F	FLEXIBLE FLAME-RETARDANT 2:1 SHRINK-RATIO POLYOLEFIN	-55°C TO 135°C	120°C	MIL-DTL-23053/5	1&3
P19	ATUM	ADHESIVE-LINED POLYOLEFIN	-55°C TO 110°C	125°C	MIL-I-23053/4	2
S01	SFR	VERY FLEXIBLE FLAME-RETARDANT SILICONE ELASTOMER	-75°C TO 180°C	175°C		
T01	TFE	HEAVY WALL PTFE TUBING 2:1 SHRINK RATIO	-67°C TO 250°C	327°C	MIL-I-23053/12	1
T02	TFE	THIN WALL EXTRUDED PTFE TUBING NO SHRINK	-70°C TO 200°C	NO SHRINK	AMS 3654	
T03	TFE	STANDARD WALL PTFE TUBING 2:1 SHRINK RATIO	-67°C TO 250°C	327°C	MIL-I-23053/12	2
T04	TFE	THIN WALL PTFE TUBING 2:1 SHRINK RATIO	-67°C TO 250°C	327°C	AMS-DTL-23053/12	3
V01	VITON	HIGH-TEMPERATURE, SOLVENT-RESISTANT FLEXIBLE ELASTOMER	-40°C TO 200°C	175°C	AMS-DTL-23053/13	
V02	VITON-HW	HIGH-TEMPERATURE, SOLVENT-RESISTANT HEAVY-WALLED ELASTOMER	-40°C TO 200°C	175°C	MIL-R-46846 TYPE III	1
V03	VITON-TW	HIGH-TEMPERATURE, SOLVENT-RESISTANT THIN-WALLED ELASTOMER	-40°C TO 200°C	175°C	AMS-DTL-23053/13	

COLOR CHART	
CODE	COLOR
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE
C	CLEAR
P	PINK
T	TAN
X	ANY COLOR ACCEPTABLE

MANUFACTURER CODE	
CODE	MANUFACTURER
NONE	ANY
A	RAYCHEM (TYCO)
B	3M
C	SUMITUBE
D	LG
E	SOFANO
F	ALPHA

SAE-AMS-DTL-23053/# SUPERCEDES MIL-DTL 23053/#

CERTIFIED PRODUCT
 NO MODIFICATIONS PERMITTED
 WITHOUT THE APPROVAL OF THE
 CERTIFIED PRODUCT AUTHORITY
 CPA: T. GREEN 16JAN01

NOTES:

- 1 NOT ALL MATERIALS ARE AVAILABLE IN ALL SIZES OR COLORS. "X" COLOR CODE FOR DRAWINGS ONLY TO ALLOW USE OF ANY COLOR. MUST BE ORDERED AND STOCKED WITH A COLOR CODE OTHER THAN X.
- 2 NO CHARACTER REQUIRED WHEN ANY MANUFACTURER ACCEPTABLE.

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UNLESS OTHERWISE SPECIFIED	
93 Ra FINISH ALL OVER	DIMENSIONS ARE IN INCHES
∩ - SMOOTH FINISH FOR APPEARANCE ONLY	INTERPRET DIM AND TOL PER ASME Y14.5-2009
RUNOUT BETWEEN COAXIAL DIAMETERS NOT TO EXCEED .005 FULL INDICATOR MOVEMENT	THIRD ANGLE PROJECTION
BREAK ALL SHARP EDGES .010 MAX ALL MACHINED INSIDE CORNERS R .010 MAX	
† - RADIUS OR CHAMFER ACCEPTABLE	

DRAWN	TED P.	15JAN01
CHECK	PIC	16JAN01
ENGINEER	F. EMERSON	16JAN01
NEXT ASSY		
JOB NO		

G. W. LISK CO., INC. CLIFTON SPRINGS, NEW YORK			
INSULATION TUBING			
SIZE	CAGE CODE	DWG NO.	REV
C	81983	GIT	V
DO NOT SCALE	1.000	WEIGHT	SHEET 1 OF 1