

SDI-HD-343

DRAWING No:

SCHWAGER DAVIS, INC.

INTERNAL UNBONDE FILLER SYSTEM

SCHWAGER DAVIS, INC. POST-TENSION SYSTEM LIBRARY

CTED DV CTED	CVCTEM INICTALL	ATION PROCEDURE
SIEF-DI-SIEF	SISIEWINSIALL	ATION PROCEDURE

TH OF HEAT SHRINK PER MANUFACTURER'S RECOMMENDATIONS.

3212

RAND FOR STRESSING EQUIPMENT.

R HEAD WEDGE CAVITIES ARE RUST FREE AND CLEAN PRIOR TO WEDGE INSTALLATION.

HOLE IS IN 1 O'CLOCK POSITION. AVOID CROSSING STRANDS.

INST INTO THE ANCHOR HEAD WEDGE CAVITIES USING A 3/4" PIPE.

AS REACHED REQUIRED STRENGTH PER DRAWINGS AND/OR SPECIFICATION. M OWNERS REPRESENTATIVE, CUT STRAND TAILS 1" FROM FACE OF ANCHOR HEAD.

G BOLTS IN A STAR PATTERN TO 20 FT-LB. (SEE NOTE c)

62-8.2.1.2

ARDWARE.

NCE WAXING PROCEDURE IS COMPLETE AND CAP OR PLUG PORTS PER DRAWINGS.

- NENT GROUT HOSE/COUPLER/PLUG THREADS, TEFLON TAPE IS TO BE USED ON EVERY
- PLAN FOR PARTS AND ASSEMBLY INFORMATION.

LL THREAD. PLACE SO GROUT PORT IS IN 11 O'CLOCK OR 12 O'CLOCK POSITION.

OF TRUMPET. (SEE NOTE: a)

NOP INCHER, GEE NOTE: A)
ND ENSURE GROUT PORT HOLES LINE UP. USE STRAP WRENCH IF NECESSARY.
E. ENSURE SPIRAL IS CONCENTRIC AND PARALLEL TO PATH OF TENDON.

ET AND DUCT.

EDURE.

LUG THREADS. THREAD INTO ALL CONNECTIONS. DO NOT INJECT THROUGH VENTS. STALLED WITH GROUT CAP BOLT.

FOR ACTUAL LOCATION, SEE PLACING DRAWINGS, VENT CAN BE ORIENTED TO ACT AS

R ALL BUTT JOINTS PER MANUFACTURER'S INSTALLATION PROCEDURE.
RE ARE GENERIC, FOLLOW FDOT AND PROJECT SPECIFICATION REQUIREMENTS.
12-003 FOR POST-TENSIONING ANCHORAGE AND TENDON FILLING DETAIL.

DWARE ARE FOR VENTING ONLY. DO NOT INJECT THROUGH PERMANENT CAP.

.6-PC FLEX S THESE DRAWINGS CONTAIN PROPRIETARY INFORMATION RESTRICTED SOLELY FOR USE ON THIS PROJECT. THESE DRAWINGS MAY NOT BE REPRODUCED IN WHOLE OR IN PART, FOR ANY OTHER USE WITHOUT THE EXPRESSED WRITTEN PERMISSION OF SCHWAGER DAVIS INC. (SDI). SDI DOES NOT MAKE ANY JUDGMENT NOR WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ADEQUACY OF THE STRUCTURAL DESIGN BY OTHERS AND HEREBY DISCLAIMS ANY LIABILITY FOR DESIGNS OF OTHERS. S

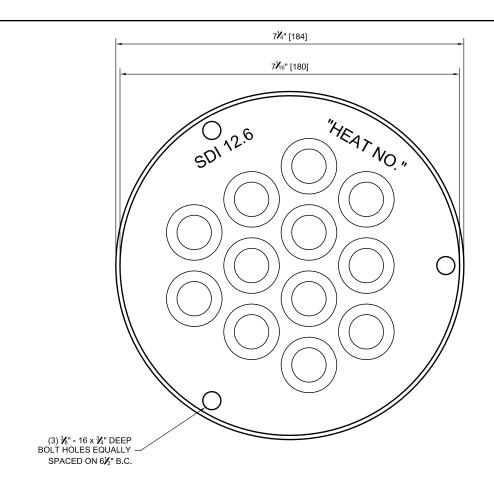
ITEM	PART NUMBER	DRAWING	DESCRIPTION	<u>MATERIAL</u>		
1	71006	SDI-HD-050	SDI 12.6 ANCHOR HEAD	ASTM A 536 GR. 80-55-06]	
2	72003	SDI-HD-051	SDI 12.6-PC BEARING PLATE	ASTM A 536 GR. 80-55-06 (GALVANIZED)	1	
3	76008	SDI-HD-236	O-RING SEAL	BUNA-N PER ASTM D2240, & D412	1	
4	73003	SDI-HD-052	SDI 12.6 TRUMPET	HIGH DENSITY POLYETHYLENE PER ASTM D3350	1	
5	74006	SDI-HD-157	STANDARD 12.6-PC SPIRAL	GRADE 60 STEEL PER ASTM A815	1	
6	75002	SDI-HD-053	SDI 12.6-PC PERMANENT GROUT CAP	NYLON PER ASTM D5989	1	
7	76002	SDI-HD-236	O-RING SEAL	BUNA-N PER ASTM D2240, & D412]	
8	77004	SDI-HD-149	(3) ¾" x 2.5" BOLTS & WASHERS	STAINLESS STEEL, TYPE 316	STEP-BY	-STEP SYSTEM INSTALLATION PROCEDURE
9	76022	SDI-HD-236	O-RING SEAL	BUNA-N PER ASTM D2240, &D412	STEP 1:	HANG BEARING PLATE WITH 2 EACH ½" ALL PLACE O-RING IN LARGE CORRUGATION OF
10	21001	SDI-HD-148	0.6" STRAND	270KSI STEEL PER ASTM A416, LOW RELAXATION	STEP 3:	TURN TRUMPET INTO BEARING PLATE AND I
11	81001	SDI-HD-021	SDI 0.6" STANDARD 2-PART WEDGE	AISI 11L17 OR 12L14		HANG SPIRAL 1" BEHIND BEARING PLATE. EN CONNECT PIPE TO TRUMPET.
12	52010	SDI-HD-337	1/2" NPT BALL VALVE (TEMPORARY)	BRASS	1	IF USING SLIP COUPLER FOR CONNECTION: 1. SLIDE SLIP COUPLER OVER TRUMPET
13	52009	SDI-HD-271	1" NPT BALL VALVE (TEMPORARY)	BRASS	OTER	2. INSTALL CORRECT SIZE AND LENGTH (
14	52010	SDI-HD-272	¾" NPT BALL VALVE (TEMPORARY)	BRASS	STEP 8:	PERFORM VACUUM TEST PER FDOT 462-8.2. INSTALL STRAND, LEAVE SUFFICIENT STRAN
15	53013	SDI-HD-366	1" NPT FEMALE TO MALE 90° ELBOW	STEEL PER ASTM A53		PLACE ANCHOR HEAD ENSURE ANCHOR HE ALIGN ANCHOR HEAD SO THAT TAPPED HOL
16	33004	SDI-HD-041	3" (76mm) SLIP-ON DUCT COUPLER	POLYPROPYLENE PER ASTM D4101		PUSH WEDGES OVER STRAND AND AGAINST STRESS TENDONS AFTER CONCRETE HAS F
17	37008	SDI-HD-367	KLNN HEAT SHRINK TUBING	ADHESIVE LINED POLYOLEFIN	STEP 13:	AFTER STRESSING AND APPROVAL FROM O
18	33101	SDI-HD-127	SDI 3" COUPLER SLIDE HOUSING	POLYPROPYLENE PER ASTM D4101	STEP 15:	INSTALL VENTS. (SEE NOTE b) INSTALL PERMANENT CAP BY TORQUEING B
19	33103	SDI-HD-130	SDI 3" COUPLER SEAL	BUNA-N PER ASTM D2240, & D412		PERFORM PRESSURE TEST PER FDOT 462-8 INSTALL TEMPORARY WAX INJECTION HARD
20	33100	SDI-HD-126	SDI 3" COUPLER WELDED HOUSING	POLYPROPYLENE PER ASTM D4101		INJECT WAX PER WAX INJECTION PROCEDU REMOVE ALL TEMPORARY HARDWARE ONC
21	35001	SDI-HD-181	3" ID (76mm) HDPE PIPE	HIGH DENSITY POLYETHYLENE PER ASTM D2513, F1055		NEMOVE NEE TEMP OR NET THE WAY TO SHOW
22	55004	SDI-HD-257	SDI GROUT PORT PLUG	POLYPROPYLENE PER ASTM D4101	NOTES:	LUBRICATE ALL O-RINGS FOR EASE OF INST
23	57004	SDI-HD-172	¾" (23mm) WELDABLE GROUT PORT	HIGH DENSITY POLYETHYLENE PER ASTM D2513, F1055	b.	EPOXY IS TO BE USED ON EVERY PERMANE TEMPORARY GROUT HOSE/COUPLER/PLUG
24	53011	SDI-HD-222	½" (13mm) NPT COUPLER (TEMPORARY)	POLYPROPYLENE PER ASTM D4101	c.	MAKE SURE O-RING AND WASHER IS INSTAL VENTS SHOWN FOR REFERENCE ONLY. FOR
25	55003	SDI-HD-155	½" (13mm) PLUG	POLYPROPYLENE PER ASTM D4101]	DRAIN. SEE SEGMENT COUPLER INSTALLATION PLA
26	55001	SDI-HD-156	¾" (23mm) PLUG	POLYPROPYLENE PER ASTM D4101	e. f.	FOLLOW BUTT FUSION PROCEDURE FOR AL
27	53014	SDI-HD-365	$ oldsymbol{Z}$ " NTP MALE BARBED HOSE ADAPTOR (TEMPORARY)	BRASS	g.	STEP-BY-STEP INSTALLATION PROCEDURE A REFERENCE FDOT STANDARD PLANS 462-00
28	59001	SDI-HD-364	CLEAR HIGH TEMP. VACUUM TUBE (TEMPORARY)	FLUORINATED ETHYLENE PROPYLENE	h. i	TENDON FILLER MATERIAL IS WAX. PERMANENT CAP AND ASSOCIATED HARDW
29	55023	SDI-HD-161	¾" NPT CAP	POLYPROPYLENE PER ASTM D4101	Ï	
30	55021	SDI-HD-160	½" NPT CAP	POLYPROPYLENE PER ASTM D4101]	
31	51005	SDI-HD-363	¾" NPT PIPE NIPPLE (TEMPORARY)	STEEL PER ASTM A53		
32	51003	SDI-HD-269	1" NPT PIPE NIPPLE (TEMPORARY)	STEEL PER ASTM A53]	
33	0000E	N/A	COMMERCIALLY AVAILABLE/COMPATIBLE EPOXY	EPOXY]	
34	0000T	N/A	TEFLON TAPE (TEMPORARY)	TEFLON		

LITHIUM

COMMERCIALLY AVAILABLE/COMPATIBLE

LITHIUM GREASE

* ALL NON-FERROUS COMPONENTS CONTAIN VIRGIN MATERIAL



7**¼**6" [180] [64] 3" [76] 2/2" 13] 13] 5¾6" [132]

SDI 12.6 ANCHOR HEAD

7**¼**" [184]

PART NO.: 71006

MATERIAL: ASTM A 536 GR. 80-55-06 MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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SDI 12.6 ANCHOR HEAD

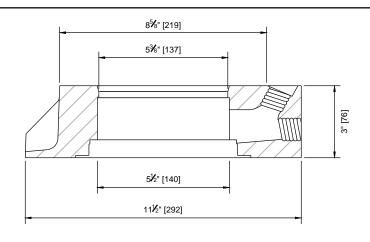
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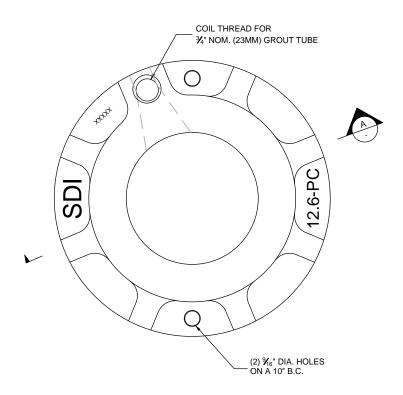


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DR	DRAWING No: SDI-HD-050								
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE				
0	RELEASE	ТНТ	MCS	MCS	11/28/11				
1	UPDATE	CMS	MCS	MCS	04/03/13				
2	UPDATE	CSM	MSC	MSC	05/26/15				





SDI 12.6-PC BEARING PLATE

PART NO.: 72003

MATERIAL: ASTM A 536 GR. 80-55-06 MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 3"=1'-0"

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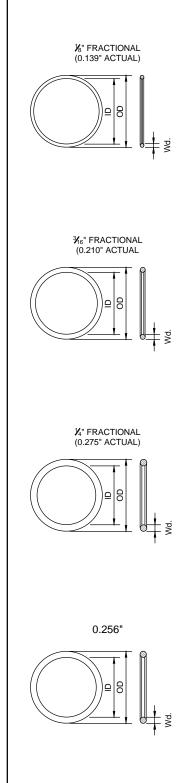
SDI 12.6-PC BEARING PLATE

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DR	DRAWING No: SDI-HD-051										
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE						
0	RELEASE	THT	MCS	MCS	11/28/11						
1	ADD DETAIL	THT	MCS	MCS	4/12/13						
2	UPDATE	CSM	MSC	MSC	05/26/15						
3	UPDATE	JSA	MSC	MSC	05/26/15						



PART NO.	DASH NO.	FRACTIONAL SIZE, ID x OD	ACTUAL SIZE ID x OD	WIDTH	DUROMETER
76022	2-204	%" × %"	0.359" x 0.637"	½" FRACTIONAL (0.139" ACTUAL)	70
76023	2-206	½" x ¾"	0.484" x 0.762"	⅓" FRACTIONAL (0.139" ACTUAL)	70
76019	2-339	31⁄4" x 35⁄8"	3.225" x 3.645"	¾ ₆ " FRACTIONAL (0.210" ACTUAL)	70
76014	2-407	2 ½ " x 2¾"	2.225" x 2.775"	¼" FRACTIONAL (0.275" ACTUAL)	70
76016	2-415	3 ½ " x 3¾"	3.225" x 3.775"	¼" FRACTIONAL (0.275" ACTUAL)	70
76017	2-422	4½" x 45%"	4.100" x 4.650"	1/4" FRACTIONAL (0.275" ACTUAL)	70
76018	2-427	4¾" x 5¼"	4.725" x 5.275"	½ " FRACTIONAL (0.275" ACTUAL)	70
76025	2-432	5 % " x 5 ½ "	5.350" x 5.900"	¼" FRACTIONAL (0.275" ACTUAL)	70
76008	2-435	5 ¾ " × 6 ¼ "	5.725" x 6.275"	¼" FRACTIONAL (0.275" ACTUAL)	40
76009	2-440	6 ¾ " × 7 ¼ "	6.725" x 7.275"	½ " FRACTIONAL (0.275" ACTUAL)	40
76010	2-442	7½" x 7¾"	7.225" x 7.775"	½" FRACTIONAL (0.275" ACTUAL)	40
76002	2-444	7 ¾ " x 8 ¼ "	7.725" x 8.275"	½" FRACTIONAL (0.275" ACTUAL)	70
76011	2-445	8" x 8½"	7.975" x 8.525"	光" FRACTIONAL (0.275" ACTUAL)	40
76026	2-446	8½" x 9"	8.475" x 9.025"	パ" FRACTIONAL (0.275" ACTUAL)	40
76004	2-448	9 ½ " x 10"	9.475" x 10.025"	½" FRACTIONAL (0.275" ACTUAL)	70
76024	2-452	11 ½ " x 12"	11.475" x 12.025"	¼" FRACTIONAL (0.275" ACTUAL)	70
76003	CUSTOM	-	8.747" x 9.259"	0.256"	70
76005	CUSTOM	-	10.226" x 10.738"	0.256"	70
76029	2-228	2 ½ " x 2 ½ "	2.250" x 2.500"	%4" FRACTIONAL (0.139" ACTUAL)	70
76030	2-425	4 ½ " x 5"	4.475" x 5"	パ" FRACTIONAL (0.275" ACTUAL)	70

STANDARD O-RINGS

MATERIAL: BUNA-N
MATERIAL MEETS ALL SPECIFICATIONS.

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STANDARD O-RINGS

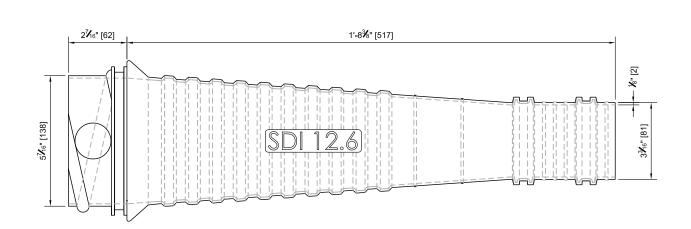
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DF	RAWING No: SDI-	HD-236			
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE
0	RELEASE	MHA	MSC	MSC	01/15/15
1	UPDATE	CSM	MSC	MSC	05/26/15
2	UPDATE	CSM	MSC	MSC	06/07/16
3	UPDATE	JSA	MSC	MSC	06/20/18



SDI 12.6 TRUMPET

PART NO.: 73003 MATERIAL: HDPE

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 3" = 1'-0"

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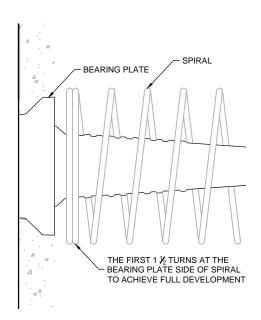
SDI 12.6 TRUMPET

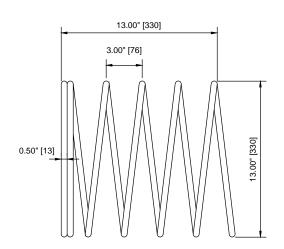
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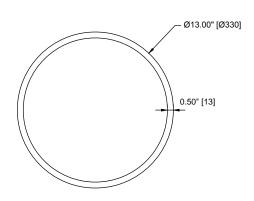


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DRAWING No: SDI-HD-052							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	тнт	MCS	MCS	11/28/11		
1	UPDATE	CSM	MSC	MSC	05/26/15		







SDI 12.6-PC SPIRAL

PART NO.: 74006

MATERIAL: GRADE 60 STEEL ACCORDING TO ASTM A615

#4 REBAR - 13" O.D. 6 TURNS AT 3" PITCH

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1-1/2" = 1'-0"

NOTE: PROJECT SPECIFIC REQUIREMENTS WILL SUPERSEDED BURSTING STEEL REQUIREMENTS OF THIS SHEET

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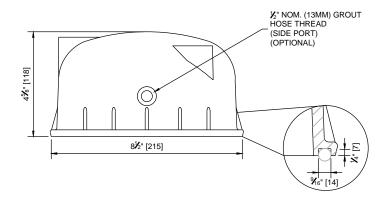
SDI 12.6-PC SPIRAL

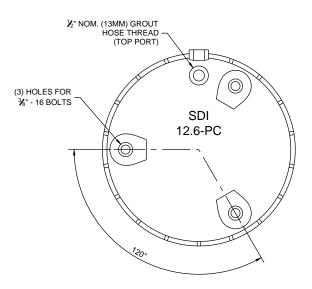
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DF	DRAWING No: SDI-HD-157									
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE					
0	RELEASE	МНА	MSC	MSC	04/02/14					
1	UPDATE	CSM	MSC	MSC	05/26/15					
2	UPDATE	JSA	MSC	MSC	08/16/18					





SDI 12.6-PC PERMANENT GROUT CAP

PART NO.: 75002

MATERIAL: NYLON MEETING CELL CLASS S-PA0141, S-PA0231, OR S-PA0401

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 3" = 1'-0"

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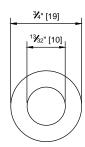
SDI 12.6-PC PERMANENT **GROUT CAP**

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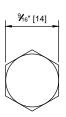


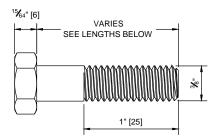
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DR	DRAWING No: SDI-HD-053									
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE					
1	ORING CALLOUT	THT	MCS	MCS	05/22/12					
2	UPDATE	CSM	MSC	MSC	05/26/15					
3	SIDE PORT REVISION	CSM	MSC	MSC	06/07/16					
4	UPDATE	JSA	MSC	MSC	06/15/18					









3/8"-16 BOLT & WASHER

PART NO.: 77002 - SDI 2.6A-PC PERMANENT CAP BOLTS (L= 5")

77004 - SDI 12.6-PC PERMANENT CAP BOLTS (L= 2.5")

77006 - SDI 22.6-PC PERMANENT CAP BOLTS (L= 3") 77008 - SDI 4.6A-PC PERMANENT CAP BOLTS (L= 5")

MATERIAL: STAINLESS STEEL, TYPE 316 ACCORDING TO ASTM F593

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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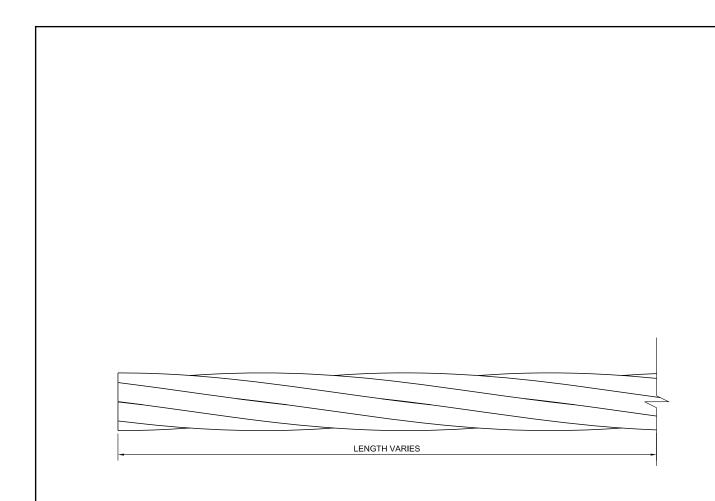
3/8"-16 BOLT & WASHER

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SCHWAGER DAVIS, INC. DRAWING No: SDI-HD-149 DESIGN-BU 198 HILLSD SAN JOSE, PHONE: 40 FAX: 408.2

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	0	RELEASE	МНА	MSC	MSC	04/02/14
	1	UPDATE	CSM	MSC	MSC	05/26/15
www.schwagerdavis.com	2	UPDATE	JSA	MSC	MSC	06/14/18





0.6" BARE STRAND

PART NO.: 21001

MATERIAL: 270 KSI LOW RELAXATION STEEL ACCORDING TO ASTM A416

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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0.6" BARE STRAND

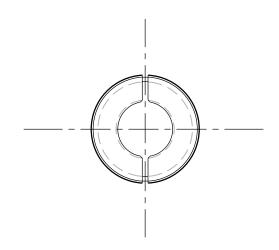
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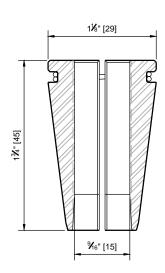


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DR	DRAWING No: SDI-HD-148									
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE					
0	RELEASE	МНА	MSC	MSC	04/02/14					
1	UPDATE	CSM	MSC	MSC	05/26/15					





SDI 0.6" WEDGE (2-PART)

PART NO.: 81001

MATERIAL: AISI 11L17 OR 12L14 MATERIAL MEETS ALL SPECIFICATIONS. PART IDENTIFICATION MARKED ON CONTAINER

SCALE: 1'-0" = 1'-0"

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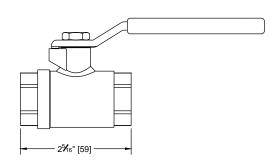
SDI 0.6" WEDGE (2-PART)

SCHWAGER DAVIS, INC. **POST-TENSION** SYSTEM LIBRARY



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DR	AWING No: SDI-				
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE
0	RELEASE	MCS	GAS	MCS	03/14/11
1	COMMENTS	CMS	MCS	MCS	07/05/13
2	UPDATE	CSM	MSC	MSC	05/26/15
3	UPDATE	JSA	MSC	MSC	06/14/18





1/2" NPT BALL VALVE (TEMPORARY)

PART NO.: 52010
MATERIAL: BRASS
PRESSURE RATING 150 PSI
MATERIAL MEETS ALL SPECIFICATIONS.
SCALE: 6" = 1'-0"

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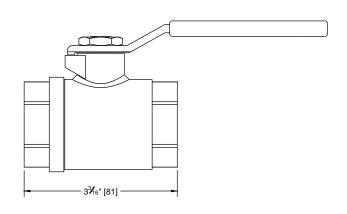
1/2" NPT BALL VALVE (BRASS)

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DESIGN-BUILD CONTRACTOR
198 HILLSDALE AVENUE
SAN JOSE, CA 95136
PHONE: 408.281.9300

DR	DRAWING No: SDI-HD-337								
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE				
0	RELEASE	CSM	MSC	MSC	06/07/16				
1	RELEASE	JSA	MSC	MSC	06/28/18				





1" NPT BALL VALVE TEMPORARY

PART NO.: 52009 MATERIAL: BRASS

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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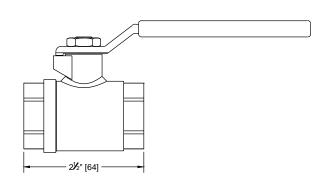
1" NPT BALL VALVE (BRASS)

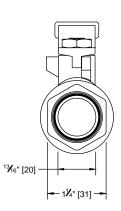
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198 HILLSDALE AVENUE
SAN JOSE, CA 95136
PHONE: 408.281.9300

DR	DRAWING No: SDI-HD-271						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	CSM	MSC	MSC	06/07/16		
1	UPDATE	JSA	MSC	MSC	06/27/18		





0.75" NPT BALL VALVE (TEMPORARY)

PART NO.: 52010 MATERIAL: BRASS

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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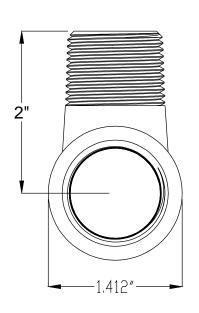
3/4" NPT BALL VALVE (BRASS)

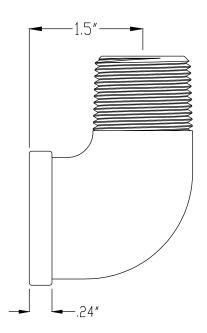
SCHWAGER DAVIS, INC. POST-TENSION SYSTEM LIBRARY



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198 HILLSDALE AVENUE
SAN JOSE, CA 95136
PHONE: 408.281.9300

DR	DRAWING No: SDI-HD-272							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE			
0	RELEASE	CSM	MSC	MSC	06/07/16			
1	UPDATE	JSA	MSC	MSC	06/18/18			





1" NPT FEMALE TO MALE 90° ELBOW

PART NO.: 53013 MATERIAL: STEEL PER ASTM A53 PRESSURE RATING: 150 PSI MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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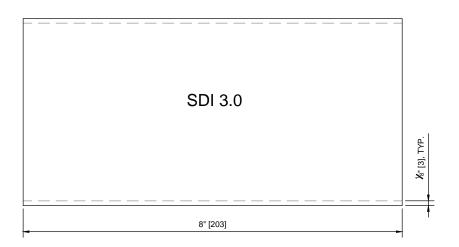
1" NPT FEMALE TO MALE 90° **ELBOW**

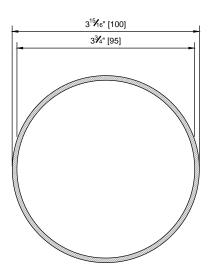
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DR	DRAWING No: SDI-HD-366									
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE					
0	RELEASE	JSA	MSC	MSC	08/08/18					





SDI 3" SLIP-ON DUCT COUPLER

PART NO.: 33004

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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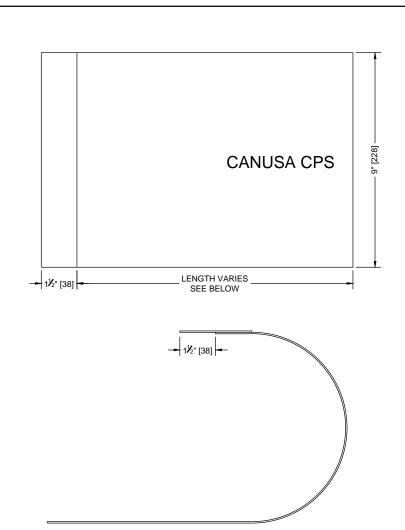
SDI 3" SLIP-ON **DUCT COUPLER**

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DR	DRAWING No: SDI-HD-041							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE			
0	RELEASE	MCS	JWM	MCS	8-19-11			
1	REVISED LENGTH	THT	RS	RS	3-8-12			
2	UPDATE	CSM	MSC	MSC	5-26-15			
3	UPDATE	JSA	MSC	MSC	6-19-18			



KLNN HEAT SHRINK

PART NO.: 37008 MATERIAL: POLYOLEFIN MATERIAL MEETS ALL SPECIFICATIONS.

1" x 3" & 2" - KLNN-63 WS BK/L 9" HEAT SHRINK SLEEVE

3" - KLNN-90 WS BK/L 9" HEAT SHRINK SLEEVE

4" - KLNN-115 WS BK/L 9" HEAT SHRINK SLEEVE

4.5" & 5"- KLNN-125 WS BK/L 9" HEAT SHRINK SLEEVE

NOTE: FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS

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KLNN HEAT SHRINK

SCHWAGER DAVIS, INC. POST-TENSION SYSTEM LIBRARY



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DR	DRAWING No: SDI-HD-367								
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE				
0	RELEASE	JSA	MSC	MSC	08/09/18				

CANUSA-CPS

KLON & KLNN

One-piece protective sleeve with pre-attached closure

Product Description



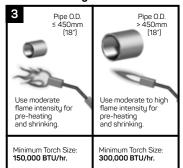
Canusa WrapidSleeves* are shipped precut with a pre-attached closure. The adhesive is protected from contamination by an inner liner.

Equipment List



Propane tank, hose, torch & regulator; Appropriate tools for surface abrasion; Knife, roller, rags & approved solvent cleanser; Digital thermometer with suitable probe; Standard safety equipment; gloves, goggles, hard hat, etc.

Flame Intensity & Torch Size



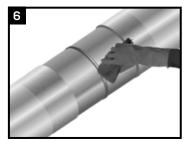
Surface Preparation



Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

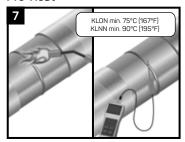
5

Ensure that the pipe is dry before cleaning. Using a power wire brush, abrade the pipe to a minimum of St3/SP3 (abrasive blast to Sa2.5/SP10 recommended). Lightly abrade the pipe coating adjacent to the cutback area to a distance of 50mm (2") beyond each end of the sleeve width.



Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

Pre-Heat



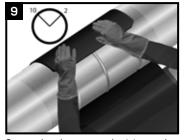
Pre-heat the joint area to the minimum required temperature. Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve.

Sleeve Installation

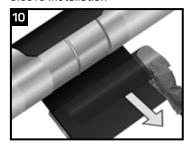


Partially remove the release liner and gently heat the underlap approximately 150 mm (6") from the edge.

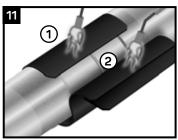
Sleeve Installation



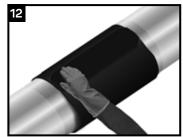
Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 2 o'clock positions. Press the underlap firmly into place.



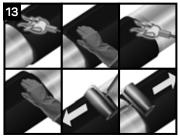
Remove the remaining release liner.



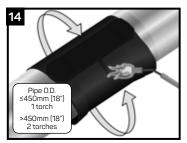
Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap.



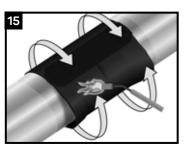
Press the closure firmly into place.



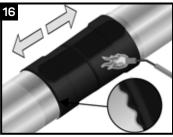
Gently heat the closure and pat it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.



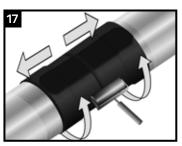
Using the appropriate torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes. If utilizing two torches, operators should work on opposite sides of pipe.



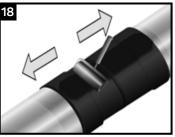
Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.



Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.



While the sleeve is still hot and soft, use a hand roller to gently roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.



Continue the procedure by also firmly rolling the closure with long horizontal strokes from the weld outwards.

Inspection



Visually inspect the installed patch for the following:

- Sleeve is in full contact with the steel ioint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

Backfilling Guidelines

After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.

Storage & Safety Guidelines

To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C (95°F) or below -20°C (-4°F). Product installation should be done in accordance with local health and safety regulations.

These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or wainty applications. unique applications.

Canusa-CPS A division of Shawcor Ltd.

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101 Thomson Road, #11-03 United Square 307591 Singapore

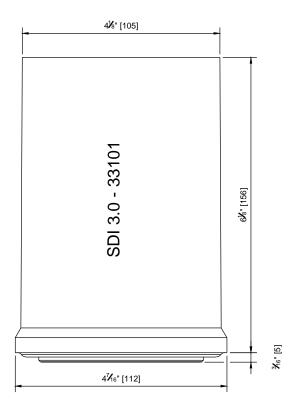
Tel: +65 6749 8918 Fax: +65 6749 8919

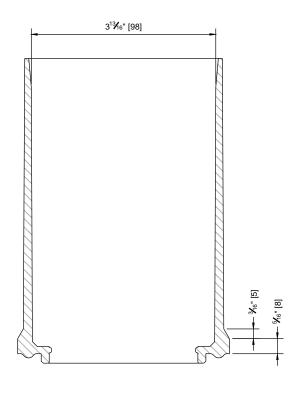
Quality Management system registered to ISO 9001

Canusa warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the installation guide when used in compliance with Canusa's written instructions. Since many installation factors are beyond our control, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection therewith. Canusa's liability is stated in the standard terms and conditions of sale. Canusa makes no other warrantu of sale. Canusa makes no other warranty either expressed or implied. All information contained in this installation guide is to be used as a guide and is subject to change without notice. This installation guide supersedes all previous installation guides on this product. E&OE

Part No. 99060-266 IG_KLON & KLNN_rev013







SDI 3" SEGMENT COUPLER SLIDE HOUSING

PART NO.: 33101

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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SDI 3" SEGMENT COUPLER SLIDE HOUSING

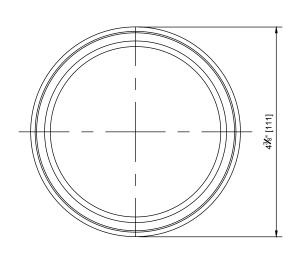
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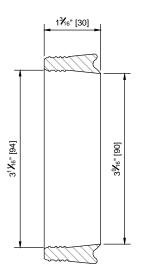


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DR	DRAWING No: SDI-HD-127									
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE					
0	RELEASE	МНА	JMY	MSC	12/06/13					
1	UPDATE	МНА	JMY	MSC	09/19/14					
2	UPDATE	CSM	MSC	MSC	05/26/15					
3	UPDATE	JSA	MSC	MSC	05/26/15					





SDI 3" SEGMENT COUPLER SEAL

MATERIAL: BUNA-N PER ASTM D2240 & D412 MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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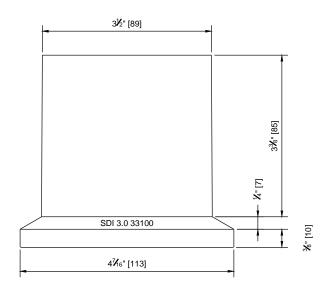
SDI 3" SEGMENT **COUPLER SEAL**

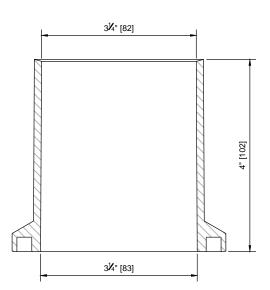
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DR	AWING No: SDI-				
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE
1	UPDATE	МНА	JMY	MSC	09/19/14
2	UPDATE	CSM	MSC	MSC	05/26/15
3	MATERIAL UPDATE	CSM	JMY	MSC	06/07/16
4	MATERIAL UPDATE	JSA	MSC	MSC	06/28/18





SDI 3" SEGMENT COUPLER WELDED HOUSING

PART NO.: 33100

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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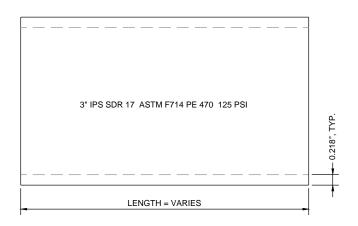
SDI 3" SEGMENT COUPLER WELDED HOUSING

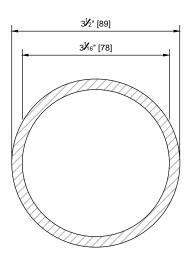
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DR	AWING No: SDI-	HD-126			
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE
0	RELEASE	MHA	JMY	MSC	12/06/13
1	UPDATE	CSM	MSC	MSC	05/26/15
2	UPDATE	JSA	MSC	MSC	06/28/18





3" HDPE EXTERIOR PIPE

PART NO.: 35001

MATERIAL: HDPE WITH A DIMENSION RATIO (DR) OF 17 $\,$

PRESSURE RATING: 125 PSI MINIMUM BEND RADIUS: 12 FT

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 6" = 1'-0"

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3" HDPE EXTERIOR PIPE

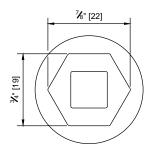
SCHWAGER DAVIS, INC. POST-TENSION SYSTEM LIBRARY

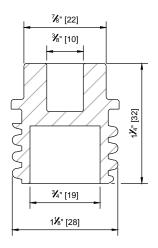


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DR	DRAWING No: SDI-HD-181						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	МНА	MSC	MSC	04/03/14		
1	UPDATE	CSM	MSC	MSC	05/26/15		
2	UPDATE	JSA	MSC	MSC	08/16/18		





SDI GROUT PORT PLUG

PART NO.: 55004

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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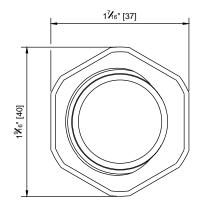
SDI GROUT PORT PLUG

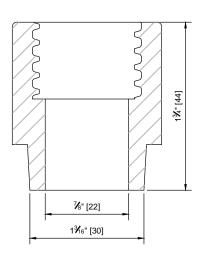
SCHWAGER DAVIS, INC. **POST-TENSION** SYSTEM LIBRARY



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DR	DRAWING No: SDI-HD-257						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	CSM	MSC	MSC	05/26/15		
1	UPDATE	JSA	MSC	MSC	06/19/18		
	_						





HDPE WELDABLE GROUT PORT WITH 3/4" NOM. (23mm) GROUT THREAD

PART NO.: 57004 MATERIAL: HDPE PRESSURE RATING:150 PSI MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

NOTE: FOLLOW MANUFACTURE'S INSTALLATION INSTRUCTIONS.

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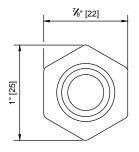
HDPE WELDABLE GROUT PORT WITH $^3\!\!4$ " NOM. (23mm) GROUT THREAD

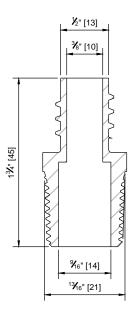
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DRAWING No: SDI-HD-172						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE	
0	RELEASE	МНА	MSC	MSC	03/25/14	
1	UPDATE	CSM	MSC	MSC	05/26/15	
2	UPDATE	JSA	MSC	MSC	07/02/18	





1/2" NOM. (13mm) NPT COUPLER

PART NO.: 53011

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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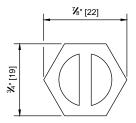
½" NOM. (13mm) NPT COÙPLER

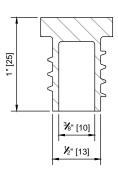
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DR	DRAWING No: SDI-HD-222						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	МНА	MSC	MSC	10/10/14		
1	UPDATE	CSM	MSC	MSC	05/26/15		
2	UPDATE	JSA	MSC	MSC	06/19/18		





1/2" NOM. (13mm) GROUT TUBE PLUG

PART NO.: 55003

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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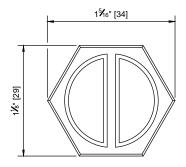
 $\frac{1}{2}$ " NOM. (13mm) GROUT TUBE PLÚG

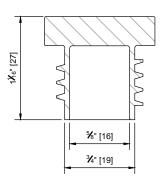
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DR	AWING No: SDI-	HD-155			
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE
0	RELEASE	МНА	MSC	MSC	04/02/14
1	UPDATE	CSM	MSC	MSC	05/26/15
2	UPDATE	JSA	MSC	MSC	06/18/18
	<u> </u>			,	





3/4" NOM. (23mm) GROUT TUBE PLUG

PART NO.: 55001

MATERIAL: POLYPROPYLENE

CELL CLASS RANGE: PP0340B44541 TO PP0340B67884

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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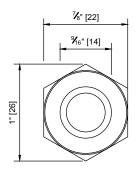
3/4" NOM.(23mm) GROUT TUBE PLUG

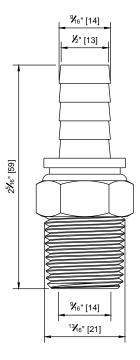
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PHONE: 408.281.9300
FAX: 408.281.9301
www.schwagerdavis.com

DR	DRAWING No: SDI-HD-156					
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE	
0	RELEASE	МНА	MSC	MSC	04/02/14	
1	UPDATE	CSM	MSC	MSC	05/26/15	
2	UPDATE	JSA	MSC	MSC	06/19/18	





1/2" MALE BARB HOSE ADAPTOR

PART NO.: 53014 MATERIAL: BRASS

PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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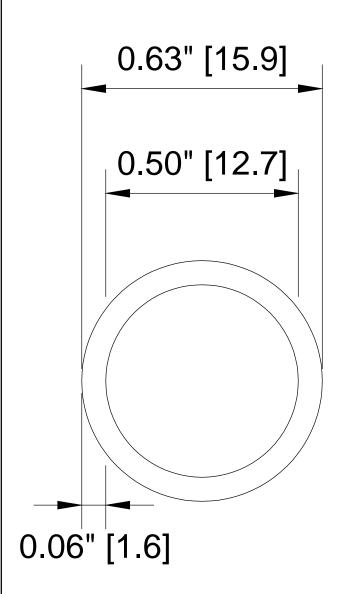
½" BARB HOSE ADAPTOR

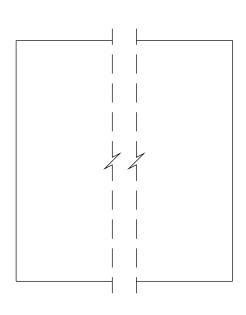
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DR	DRAWING No: SDI-HD-365							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE			
0	RELEASE	JSA	MSC	MSC	08/08/18			





1/2" CLEAR HIGH TEMP. VACUUM TUBE

MATERIAL: FLUORINATED ETHYLENE PROPYLENE

PRESSURE RATING: 180 PSI @ 72° F

TEMPERATURE RANGE: -100° TO 400° F

BENDING RADIUS: 3"

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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1/2" CLEAR HIGH TEMP. **VACUUM TUBE**

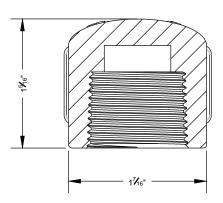
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DR	DRAWING No: SDI-HD-364						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	JSA	MSC	MSC	08/08/18		





3/4" POLYPROPYLENE NPT CAP

PART NO.: 55023

MATERIAL: POLYPROPYLENE PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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SDI 3/4" POLYPROPROPYLENE NPT CAP

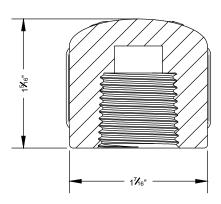
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DR	DRAWING No: SDI-HD-161							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE			
0	RELEASE	MHA	MSC	MSC	06/28/18			





1/2" POLYPROPYLENE NPT CAP

PART NO.: 55021

MATERIAL: POLYPROPYLENE PRESSURE RATING: 150 PSI

MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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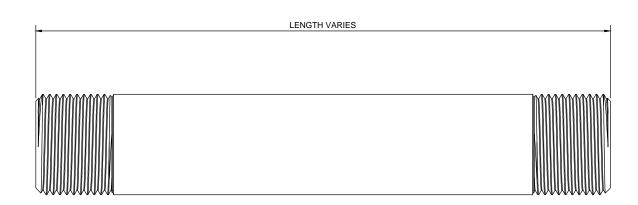
1/2" POLYPROPROPYLENE NPT CAP

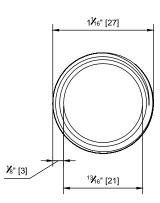
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DF	DRAWING No: SDI-HD-160						
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE		
0	RELEASE	МНА	MSC	MSC	06/28/18		





3/4" NPT PIPE NIPPLE

PART NO.: 51005 MATERIAL: HIGH DENSITY POLYETHYLENE PRESSURE RATING: 150 PSI MATERIAL MEETS ALL SPECIFICATIONS.

SCALE: 1'-0" = 1'-0"

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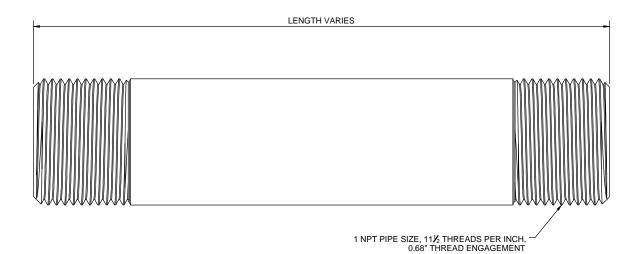
3/4" NPT PIPE NIPPLE (HDPE)

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PHONE: 408.281.9300

DF	DRAWING No: SDI-HD-363							
#	REVISIONS	DRAWN	CHECKED	APPROVED	DATE			
0	RELEASE	JSA	MSC	MSC	06/18/18			



1.315" [33] 0.133" [3] 1.049" [27]

1" NPT PIPE NIPPLE (TEMPORARY)

PART NO.: 51003 MATERIAL: STEEL, ASTM A53 THREADS PER ANSI/ASME B1.20.1 PRESSURE RATING 150 PSI MATERIAL MEETS ALL SPECIFICATIONS. SCALE: 1'-0" = 1'-0"

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1" NPT PIPE NIPPLE

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0	RELEASE	CSM	MSC	MSC	06/07/16
1	UPDATE	JSA	MSC	MSC	06/18/18

www.lsc-online.com



Technical Product Information

RED-i PT CABLE COATING GREASE

RED-/ PT CABLE COATING IS SPECIALLY FORMULATED FOR THE POST TENSIONING CONSTRUCTION INDUSTRY, AND EXCEEDS THE POST TENSIONING INSTITUTE (PTI) SPECIFICATIONS IN CORROSION PROTECTION FOR UNBONDED AND SINGLE-STRAND TENDONS IN CORROSIVE SERVICE.



Product Description: RED-i PT CABLE COATING is a premium lithium grease fortified with effective corrosion inhibitors. The coating is specifically designed to provide extended protection against corrosion of metal cables or any metallic surface exposed to moisture.

Features:

- Adhesive properties protects metal surfaces from air, moisture, and sea water.
- Excellent corrosion and rust inhibition properties.
- · Exceeds PTI specifications.
- · Member Post Tensioning Institute.
- · High dropping point.
- · Contains antimicrobial agent.

Typical Uses:

- Preserves metallic cables and wires exposed to corrosive environments.
- Preserves steel reinforcement bars or rods used for concrete structures against corrosion.
- Recommended for use in marine and construction industries.

Typical Specifications:				
GRADE, NLGI	2			
Penetration @ 77° F. (ASTM Worked)	265-295			
Dropping Point, ASTM D-2265, °F.	383			
Color	Amber			
Texture	Butter			
Appearance	Smooth			
Soap Type	Lithium			
Soap, %	7.0			
Rust Test, ASTM D-1743	Pass			
Corrosion Test, ASTM B-117	Pass (No Rust)			
Soak Test, ASTM B-117 Modified	Pass			
Emulsification Of Coating	None			
Oil Separation, FTM 321.2 , Wt.%	0.5			
Flash Point, ASTM D-92, Coc, °F	350			
Water Content, ASTM D-95, Wt.%	<0.1			
Base Oil Viscosity				
cSt. @ 40° C.	321.0			
cSt. @ 100° C.	21.0			
SUS@100° F.	74			
Viscosity Index	<0.5			
Chlorides, PPM ASTM D-512	<0.1			
Nitrates, PPM, ASTM D3867	8.54			
Tensile Strength Change Of Polymer, ASTM D638				
VALUES SHOWN HERE ARE TY	PICAL AND MAY VARY.			

112 GREASES



SET High Strength Epoxy-Tie[®] Anchoring Adhesive

SET Epoxy-Tie® epoxy is a two-component, 1:1 ratio, high solids, epoxy-based adhesive for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. SET meets or exceeds the requirements of ASTM C-881 specification for Type I, II, IV and V, Grade 3, Class B and C.

GALLERY: ROLL OVER IMAGES BELOW TO SEE LARGER IMAGE SET22 EMN22i EDT22B

SET56

SET1.7KTA



- Threaded-rod anchoring
- Rebar doweling

SET-PAC EZ™

Adhesive U.S. Patent 6,634,524

- Bonding hardened concrete to hardened concrete
- Pick-proof sealant around doors, windows and fixtures
- Paste-over for crack injection

CODE REPORTS

- ICC Evaluation Service <u>ESR-1772</u> (formerly ICBO-ES ER-5279) (PDF) (CMU & URM)
- City of L.A. <u>RR25279</u> (PDF)
- Caltrans approved
- Florida Statewide Product Approval FL11506.4
- multiple DOT listings
- NSF/ANSI Standard 61 (216 in²/1000 gal) (PDF), except SET1.7KTA
- SET-PAC EZ[™] adhesive covered by ICC-ES, City of L.A. and NSF/ANSI listings only

The <u>load tables</u> list values based upon results from the most recent testing and may not reflect those in current code reports. Where code jurisdictions apply, consult the current



LINKS:

- Supplemental Topics for Adhesive Anchors
- Estimating Guide
- Limited Warranty Information
- Tension and Shear Load Tables
- Load-Adjustment Factors
- Documents:
 - Anchor Catalog Section (PDF)
 - Product Submittal (PDF)
 - Material Safety Data Sheet: SET (PDF)
 - Material Safety Data Sheet: SET en Español (PDF)
 - SET-PAC-EZ™ Epoxy-Tie® Anchoring Adhesive Flier (PDF)
 - Rebar Yield and Tensile Strength Embedments
 Technical Bulletin (PDF)
 - Rebar Yield and Tensile Strength Embedments
 (Canada) Technical Bulletin (PDF)
 - Anchor Tension Loads in Masonry Chair Block
 Technical Bulletin (PDF)
- Free Softw are:
 - Anchor Designer 🗁
 - Adhesive Cartridge Quantity Estimator

reports for applicable load values.

APPLICATION

Surfaces to receive epoxy must be clean. For installations in or through standing water, see <u>Supplemental Topics for Adhesive Anchors</u> for details. The base material temperature must be 40° F or above at the time of installation. For best results, material should be 70° - 80° F at the time of application. Cartridges should not be immersed in water to facilitate warming. To warm cold material, the cartridges should be stored in a warm, uniformly heated area or storage container for a sufficient time to allow epoxy to warm completely. Mixed material in nozzle can harden in 5-7 minutes at a temperature of 40° F or above.

TEST CRITERIA

Anchors installed with SET Epoxy-Tie® adhesive have been tested in accordance with ICC-ES's *Acceptance Criteria for Adhesive Anchors (AC58)* for the following:

- Seismic/wind loading
- Long-term creep at elevated-temperature
- Static loading at elevated-temperature
- Damp and water-filled holes
- Freeze-thaw conditions
- Critical and minimum edge distance and spacing

In addition, anchors installed with SET Epoxy-Tie® adhesive have been tested in accordance with ICC-ES's *Acceptance Criteria for Unreinforced Masonry Anchors (AC60)*.

PROPERTY	TEST METHOD	RESULTS
Consistency	ASTM C 881	Non-sag/ thixotropic paste
Heat deflection	ASTM D 648	136° F (58° C)
Bond strength (moist cure)	ASTM C 882	3,218 psi (2 days) 3,366 psi (14 days)
Water absorption	ASTM D 570	0.110% (24 hrs)
Compressive yield strength	ASTM D 695	5,065 psi (24 hours) 12,650 psi (7 days)
Compressive modulus	ASTM D 695	439,000 psi (7 days)
Gel time (75° F)	ASTM C 881	30 min - 60 gram mass 60 min - thin film

ACCESSORIES / RELATED PRODUCTS

- Dispensing Tools
- Mixing Nozzles
- Plastic Anchoring Screens
- Steel Anchoring Screens
- Hole Cleaning Brushes

SUGGESTED SPECIFICATIONS

Anchoring adhesive shall be a two-component high-solids epoxy based system supplied in manufacturer's standard cartridge and dispensed through a static-mixing nozzle supplied by the manufacturer. Epoxy shall meet the minimum requirements of ASTM C-881 specification for Type I, II, IV, and V, Grade 3, Class B and C and must develop a minimum 12,650 psi compressive yield strength after 7 day cure. Epoxy must have a heat deflection temperature of a minimum 136°F (58°C). Adhesive shall be SET Epoxy-Tie® adhesive from Simpson Strong-Tie, Pleasanton, CA. Anchors shall be installed per Simpson Strong-Tie instructions for SET Epoxy-Tie® adhesive.

ASD DESIGN EXAMPLE

For design example, click here.

INSTALLATION

IMPORTANT For installation instructions, click here.

SHELF LIFE

24 months from date of manufacture in unopened side-byside cartridge. SET-PAC EZ^{TM} cartridge - 24 months from date of manufacture, unopened.

STORAGE CONDITIONS

For best results store between 45° F - 90° F. To store partially used cartridges, leave hardened nozzle in place. To re-use, attach new nozzle.

COLOR

Resin – white, hardener – black When properly mixed SET adhesive will be a uniform light gray color.

CLEAN UP

Uncured material – Wipe up with cotton cloths. If desired scrub area with abrasive, waterbased cleaner and flush with water. If approved, solvents such as ketones (MEK, acetone, etc.), lacquer thinner or adhesive remover can be used. DO NOT USE SOLVENTS TO CLEAN ADHESIVE FROM SKIN. Take appropriate precautions when handling flammable solvents. Solvents may damage surfaces to which they are applied. Cured material – Chip or grind off surface.

CHEMICAL RESISTANCE

Very good to excellent against distilled water, inorganic acids and alkalis. Fair to good against organic acids and alkalis, and many organic solvents. Poor against ketones. For more detailed information download <u>Technical Bulletin T-SAS-CHEMRES08</u> (PDF).

SET Cartridge Systems

Model No.	Capacity ounces (cubic inches)	Cartridge Type	Carton Quantity	Dispensing Tool(s)	Mixing ⁴ Nozzle
SET1.7KTA	1.7 (3.1)	side-by-side	12	Adaptor included for standard caulking tool	EMN1.7 (2 included)
SET-PAC-EZ	8.5 (16.2)	single	12	CDT10 or high quality standard caulking tool	2 included
SET22	22 (39.7)	side-by-side	10	EDT22B, EDT22AP, or EDT22CKT	EMN22i
SET56	56 (101.1)	side-by-side	6	EDT56AP	EMN22i or EMN50

- 1. Bulk containers also available, <u>contact Simpson Strong-Tie</u> for details.
- 2. Cartridge and bulk estimation guides are available.
- 3. Detailed information on dispensing tools, mixing nozzles and other adhesive accessories is available.
- 4. Use only appropriate Simpson Strong-Tie mixing nozzle in accordance with Simpson's instructions. Modification or improper use of mixing nozzle may impair epoxy performance.

Cure Schedule

Base Material Temperature		Cure Time
°F	°C	Tillie
40	4	72 hrs.
65	18	24 hrs.
85	29	20 hrs.
90	32	16 hrs.

In-Service Temperature Sensitivity

Base Material Temperature		Percent Allowable
°F	°C	Load
40	4	100%
70	21	100%
110	43	100%
135	57	75%
150	66	44%
180	82	20%

- Refer to temperature sensitivity chart for allowable bond strength reduction for temperature. See <u>Supplemental Topics for Adhesive Anchors</u>.
- 2. Percent allowable load may be linearly interpolated for intermediate base material temperatures.
- 3. $^{\circ}C = (^{\circ}F-32) / 1.8$

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POLY-TEMP® MD MEDIUM DENSITY THREAD SEAL TAPE

Technical Data Sheet P/N 16000 SERIES Page 1 of 1

Date: 3/18/2010

WWW.ANTISEIZE.COM

Product Description

POLY-TEMP® MD Medium Density Thread Seal Tape is a general purpose PTFE Thread Seal Tape designed to be used on all types of metal and plastic pipe threads.

Our **POLY-TEMP**® Tapes are made from 99.9% virgin PTFE resins for optimum purity and performance. **POLY-TEMP**® **MD** Medium Density Thread Seal Tape is malleable to easily conform to thread profiles to ensure a positive seal.

Because **POLY-TEMP® MD** Medium Density Thread Seal Tape is composed of pure PTFE, it touts an extremely broad range of chemical compatibilities and is unaffected by most chemicals and concentrations.

POLY-TEMP® MD Medium Density Thread Seal Tape is our most popular grade of thread sealing tape and has been Industry Leader for over 30 years.

Features & Benefits

- Meets FDA and USDA requirements
- UL Listed
- Ideal for all tapper thread connections
- PTFE's high lubricity makes for easy assembly
- Only 3 wraps need for most applications
- · Chemically inert, non-Toxic
- Suitable for oxygen service
- Our most popular grade of Thread Seal Tape
- Easy to handle and apply
- Temperature range from -400F to 550F (-240C to 287C)
- Pressures up to 10,000psi (Liquid), 2000 psi (Gas)
- Connections can be put into service right away, no dry time
- · Never dries out and an unlimited shelf life.
- Meets MIL-T-27730A
- Extremely versatile.

Typical Properties

Property	Value
Color	White
Thickness	3.5 mils
Specific Gravity	0.7 to 0.8g/cc
Toxicity	Non toxic
RoHS	Compliant

Cautions

Read all information on labels and Material Safety Data Sheets prior to use. All products should be tested and evaluated for a particular purpose prior to use.

Product Limited Warranty

This information is based on information we believe to be reliable and accurate, but no guarantee of its accuracy is made for a particular application. We urge and recommend that Users pretest their application prior to incorporating the product into use and assume that the User will conduct such testing. Also see warranty statement on website.

Available In:

Size: ½"x 60" ¼"x520" ½"x260" ½"x520" ½"x1296"
P/N: 16006 16025 16030 16035 16040

<u>Size: ¾"x260" ¾"x520" 1"x260" 1"x520"</u> P/N: 16045 16050 16055 16060

Size: Counter Display ½"x260" 1/2"x520" ¾"x520" P/N: 16030A 16035A 16050A

 $\mathbf{POLY\text{-}TEMP}^{\otimes}$ IS A REGISTERED TRADEMARK OF ANTI-SEIZE TECHNOLOGY