

# **CSC-XP SuperCase**

### Advanced Joint Casing System for Pre-Insulated Pipelines

CSC-XP, the latest generation of Canusa's SuperCase technology, has been engineered based on Canusa's HybridPEX™ technology, which combines the advantages of cross-linked and uncross-linked polyethylene in a single product. The revolutionary design of this product results in the most versatile pre-insulated pipe joint protection system on the market. The patented CSC-XP Casing can be installed with adhesive sealing and /or using electro-fusion welding with Canusa-CPS' automated IntelliFUSE™ system.



- Cross-linked polyethylene outer layer maintains hoop stress on the pipe over the design life and resists premature recovery in hot climates
- Uncross-linked polyethylene inner layer of the casing allows for effective welding (IntelliFUSE™)\* of the material to the mainline PE jacket pipe
- Advanced grade of high density bimodal polyethylene offers enhanced resistance to abrasion, impact, penetration and cracking, especially at low temperatures

#### **Proven and Reliable Joint Protection**

- CSC-XP system far exceeds the stringent requirements of EN 489 Standard and allows for 100% inspection through pressure testing
- Structural integrity of the CSC-XP Casing system results in robust and reliable joint protection with class leading resistance to soil stress, moisture ingress and temperature cycling effects

### **Engineered for Maximum Efficiency**

- Innovative CSC-XP design offers simple and forgiving installation, thus reducing cycle time and installed cost of the joint
- Combined with Canusa-CPS' IntelliFUSE™\*, the system offers industry leading installation speed with automated quality control and traceability features

\*PatentPending



### **Applications**



Pre-Insulated Pipes



Foam-In-Place



Pre-Foamed Joints



IntelliFUSE™



Repairs & Rehabilitation



### **CSC-XP Versatility**



## 1. IntelliFUSE system: maximum strength and sealing with PE to PE welding

- · Reliable and repeatable fusion cycle ensured by automation
- Out-of-round pipe conformance with tubular, crosslinked design
- Built-in quality control system with data logging and direct temperature feedback process.

# 2. Adhesive system: simple and forgiving installation providing superb moisture barrier

- Structural integrity of a tubular product combined with high performance of a purpose formulated adhesive
- Excellent resistance to soil stress and temperature cycling effects
- Proven long term sealing performance

## 3. Integrated IntelliFUSE & Adhesive system: combines advantages of both attachment methods

- Double sealing achieved within a single casing application
- Unmatched speed of installation while providing functional redundancy and double sealing

#### 4. Repair system: wrap-around configuration

- Used for major repairs of damaged PE jacket and rehabilitation of joints
- Matches the functional performance of standard CSC-XP systems

### Other Key Advantages / Options



# System Components and Sizing Guidelines

				CSC Casing		System: Orderii	ng Info and Sta	CSC-XP System: Ordering Into and Standard (Nominal) Dimensions		Accessory Materials (Kit)		
Cocker per lange         (Reported)         (Reported)         (Reported)         (Reported)         (Imm)	0		Diameter	Diameter	Thickness	Thickness <sup>1</sup>	Length <sup>2</sup>	Orde	ring Info	Adhesive Strips	Metal Strips	Sparens
CSCAPP 097-790 K         40 mml         (mml)         (mml)         Adhesive Kits         Electro-Hadon Kits         (mml)         (mml)         (mml)         (mml)         (mml)         (mml)         (mml)         (mml)         Adhesive Kits         (mml)         (mm	ה ה	Ordering Info (Joint Casings)	(Supplied)	(Recovered)	(Supplied)	(Recovered)	(Supplied)	(Applic	cation Kits)	Length	Length	or Application
CSC-NP 60-750 BK         15         3.4         750         CSC-NP kith 30         -         2 x 380         -           CSC-NP 60-750 BK         130         10.0         2.5         3.4         750         CSC-NP kith 30         -         2 x 480         -           CSC-NP 10-770 BK         130         112         2.5         3.4         750         CSC-NP kith 40         -         2 x 480         -           CSC-NP 10-770 BK         130         144         2.5         3.4         750         CSC-NP kith 40         -         2 x 480         -           CSC-NP 10-770 BK         130         144         2.5         3.4         750         CSC-NP kith 40         -         2 x 480         -           CSC-NP 10-770 BK         130         145         3.5         4.5         750         CSC-NP kith 40         2 x 480         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	Ø (mm)	•	(mm) Ø	(mm) Ø	(mm)	(mm)	(mm)	Adhesive Kits	Electro-fusion Kits	(mm)	(mm)	гаше
CSC-XP 10-750 BK 130 100 125 3.4 750 CSC-XP KILL 10 2 X-350 CSC-XP KILL 10 2 X-450 CSC-XP	06	CSC-XP 90-750 BK	105	84	2.5	3.4	750	CSC-XP Kit 90	1	2 x 315	1	1
CSC-XP 102-750 BK         112         2.5         3.4         750         CSC-XP MOTH TO         2.4-430	110	CSC-XP 110-750 BK	130	100	2.5	3.4	750	CSC-XP Kit 110	1	2×380	1	1
CSC-XP HAD 750 BK         156         2.5         3.4         750         GSC-XP MT MD         2 × 440	125	CSC-XP 125-750 BK	145	112	2.5	3.4	750	CSC-XP Kit 125	1	2×430	1	1
CSCXPP 1607 90 NK         144         2.5         3.4         7.90         CSCXPP KRT 180         2.8 kB0	140	CSC-XP140-750 BK	165	126	2.5	3.4	750	CSC-XP Kit 140	1	2×480	1	1
CSCXPP 180P-730 BIK         154         4.5         750         CSCXPP KIR 1200         2 x 6610         2 x 680         2 x 680           CSCXPP 280P-050 BIK         226         173         4.5         750         CSCXPP KIR 1200         2 x 680         2 x 680         2 x 680           CSCXP 280P-059 BIK         226         173         4.5         750         CSCXPP KIR 1200         2 x 845	160	CSC-XP160-750 BK	190	144	2.5	3.4	750	CSC-XP Kit 160	ı	2×545	1	ı
CSCXPP 200-790 BK         22         45         750         CSCXPP Rtd 225         2 × 500         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505         2 × 505	180	CSC-XP180-750 BK	200	164	3.5	4.5	750	CSC-XP Kit 180	1	2 × 610	1	1
SCSCAP 225-750 BK 245 199 3.5 4.5 750 CSC-XP RT225 CSCXPFKI 250 2 × 7465 2 × 7565 CSCXP CSCXP RT250 C	200	CSC-XP 200-750 BK	220	179	3.5	4.5	750	CSC-XP Kit 200	1	2×680	2×595	1
CSCXPP 550 PK         35         45         750         CSCXPP KR 250         CSCXP FKR 250         2x 845         2x 755           CSCXP 250 -750 RK         300         2x 3         3.5         4.5         750         CSCXP KR 1280         CSCXP FKR 250         2x 940         2x 845           CSCXP 316-750 RK         335         4.5         750         CSCXP KR 1315         CSCXP FKR 350         CSCXP FK	225	CSC-XP 225-750 BK	245	199	3.5	4.5	750	CSC-XP Kit 225	1	2×760	2×675	1
CSCXP 280-750 BK 300 243 3.5 4.5 750 CSCXP Kit 280 CSCXP F Kit 280 2 2x 946 2 2x 845 CSCXP 280-750 BK 325 271 3.5 4.5 750 CSCXP Kit 280 CSCXP F Kit 280 2 2x 190 2 2x 190 2 2x 190 CSCXP 200-750 BK 430 375 4.5 5.5 750 CSCXP Kit 280 CSCXP Kit 400 CSCXP Kit	250	CSC-XP 250-750 BK	270	219	3.5	4.5	750	CSC-XP Kit 250	CSC-XP-F Kit 250	2×845	2 × 755	1
SCC-XP 315-750 BK 335 271 3.5 4.5 750 CSC-XP KIR 315 CSC-XP KIR 315 CSC-XP KIR 315 CSC-XP KIR 319 CSC-XP KIR 319 CSC-XP KIR 325 CSC-XP KIR 3	280	CSC-XP 280-750 BK	300	243	3.5	4.5	750	CSC-XP Kit 280	CSC-XP-F Kit 280	2×940	2 x 845	1
CSC-XP 450-BK         385         319         4.5         5.5         750         GSC-XP FKI 356         2 x 1990         2 x 1086           CSC-XP 460-750 BK         4.80         359         4.5         5.5         750         GSC-XP FKI 450         2 x 1340         2 x 1236           CSC-XP 460-750 BK         4.80         359         4.5         5.5         750         GSC-XP FKI 450         2 x 1540         2 x 1380           CSC-XP 550-750 BK         550         4.80         4.5         5.5         750         GSC-XP FKI 450         2 x 1560         2 x 1580           CSC-XP 550-750 BK         550         4.59         4.5         5.5         750         GSC-XP FKI 450         2 x 1560         2 x 1560           CSC-XP 550-750 BK         550         4.5         5.5         750         GSC-XP FKI 4500         2 x 1560         2 x 1560           CSC-XP 560-750 BK         550         4.5         5.5         750         GSC-XP FKI 6500         2 x 1560         2 x 1560           CSC-XP 660-750 BK         750         4.5         5.5         750         GSC-XP FKI 7500         CSC-XP FKI 7500         2 x 2360         2 x 1560           CSC-XP 760-750 BK         750         7.5         7.5         CSC-XP F	315	CSC-XP 315-750 BK	335	271	3.5	4.5	750	CSC-XP Kit 315	CSC-XP-F Kit 315	2×1060	2 x 955	1
CSC-XP 400-760 BK         430         357         4,5         55         750         CSC-XP FKR 400         CX1340         2x1250         2x1250           CSC-XP 450-750 BK         480         339         4,5         5.5         750         CSC-XP FKR 450         CX1505         2x1505         2x1505         2x1500           CSC-XP 550-750 BK         530         4,4         4,5         5.5         750         CSC-XP FKR 500         CX1505         2x1500	355	CSC-XP 355-750 BK	385	319	4.5	5.5	750	CSC-XP Kit 355	CSC-XP-F Kit 355	2×1190	2×1085	1
CSC-XP 560-BK         480         480         4.5         5.5         750         CSC-XP FKI 450         CSC-XP FKI 450         CSC-XP FKI 450         CSC-XP FKI 450         2 x 1500	400	CSC-XP 400-750 BK	430	357	4.5	5.5	750	CSC-XP Kit 400	CSC-XP-F Kit 400	2×1340	2×1225	1
CSC-XP SGO-750 BK         550         440         45         550         750         CSC-XP KH 500         CSC-XP FKH 500         <	450	CSC-XP 450-750 BK	480	399	4.5	5.5	750	CSC-XP Kit 450	CSC-XP-F Kit 450	2×1505	2×1380	4×L
CSC-XP 520-750 BK         459         4.5         5.5         750         CSC-XP KI 550         CSC-XP FK IS 50	200	CSC-XP 500-750 BK	530	441	4.5	5.5	750	CSC-XP Kit 500	CSC-XP-F Kit 500	2×1670	2×1540	4 × L
CSC-XP 560-750 BK         595         492         4,5         5,5         750         CSC-XP Kit 560         CSC-XP Fit 1560         2 × 1865         2 × 125           CSC-XP 630-750 BK         670         554         4,5         5,5         750         CSC-XP Kit 630         CSC-XP Fit 1630         2 × 2095         2 × 1945           CSC-XP 670-750 BK         750         618         4,5         5,5         65         750         CSC-XP Fit 1700         2 × 2360         2 × 2095           CSC-XP 70-750 BK         750         618         7,5         6.5         750         CSC-XP Fit 1700         2 × 2360         2 × 2495           CSC-XP 860-750 BK         750         750         -         CSC-XP Fit 1860         -         2 × 2465           CSC-XP 860-750 BK         1055         816         5,5         6.5         750         -         CSC-XP Fit 1860         -         2 × 2465           CSC-XP 1800-750 BK         1055         816         5,5         6.5         750         -         CSC-XP Fit 1860         -         2 × 3400           CSC-XP 1800-750 BK         1055         993         5,5         6.5         750         -         CSC-XP Fit 1100         -         2 × 3400 <td< td=""><td>520</td><td>CSC-XP 520-750 BK</td><td>522</td><td>459</td><td>4.5</td><td>5.5</td><td>750</td><td>CSC-XP Kit 520</td><td>CSC-XP-F Kit 520</td><td>2×1735</td><td>2×1600</td><td>4×L</td></td<>	520	CSC-XP 520-750 BK	522	459	4.5	5.5	750	CSC-XP Kit 520	CSC-XP-F Kit 520	2×1735	2×1600	4×L
CSC-XP 630-750 BK         670         554         4.5         5.5         750         CSC-XP Kit 630         CSC-XP-FKit 630         CSC-XP-FKit 630         2 x 2030         2 x 1945           CSC-XP 670-750 BK         750         618         4.5         5.5         750         CSC-XP Kit 710         CSC-XP-FKit 670         2 x 2360         2 x 2950           CSC-XP 70-750 BK         850         728         6.5         750         CSC-XP-FKit 800         -         CSC-XP-FKit 800         -         2 x 2475           CSC-XP 800-750 BK         915         781         5.5         6.5         750         -         CSC-XP-FKit 800         -         2 x 2475           CSC-XP 1000-750 BK         916         5.5         6.5         750         -         CSC-XP-FKit 800         -         2 x 2475           CSC-XP 1000-750 BK         1055         904         5.5         6.5         750         -         CSC-XP-FKit 1000         -         2 x 3400           CSC-XP 1000-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-FKit 1100         -         2 x 4430           CSC-XP 1400-750 BK         1475         126         5.5         6.5         750         -	260	CSC-XP 560-750 BK	595	492	4.5	5.5	750	CSC-XP Kit 560	CSC-XP-F Kit 560	2 x 1865	2×1725	4 × L
CSC-XP 670-750 BK         750         615         5.5         750         CSC-XP Kit 670         CSC-XP-F Kit 670         CSC-XP-F Kit 670         CSC-XP-F Kit 670         2 x 2360         2 x 2070           CSC-XP 710-750 BK         850         728         5.5         6.5         750         -         CSC-XP-F Kit 800         -         2 x 2475           CSC-XP 860-750 BK         895         781         5.5         6.5         750         -         CSC-XP-F Kit 800         -         2 x 2475           CSC-XP 860-750 BK         915         781         5.5         6.5         750         -         CSC-XP-F Kit 800         -         2 x 2475           CSC-XP 1000-750 BK         1055         904         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 3700           CSC-XP 1100-750 BK         1165         933         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 3700           CSC-XP 1400-750 BK         1370         1168         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 4340           CSC-XP 1400-750 BK         1475         168         5.5         6.5         750         - <td>630</td> <td>CSC-XP 630-750 BK</td> <td>029</td> <td>554</td> <td>4.5</td> <td>5.5</td> <td>750</td> <td>CSC-XP Kit 630</td> <td>CSC-XP-F Kit 630</td> <td>2×2095</td> <td>2×1945</td> <td>4×L</td>	630	CSC-XP 630-750 BK	029	554	4.5	5.5	750	CSC-XP Kit 630	CSC-XP-F Kit 630	2×2095	2×1945	4×L
CSC-XP 710-750 BK         750         615         5.5         750         CSC-XP-Kit 710         CSC-XP-F Kit 710         2 x 2360         2 x 2475           CSC-XP 860-750 BK         915         751         6.5         750         -         CSC-XP-F Kit 800         -         2 x 2475           CSC-XP 860-750 BK         915         816         5.5         6.5         750         -         CSC-XP-F Kit 800         -         2 x 2460           CSC-XP 900-750 BK         1055         904         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 2785           CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 3410           CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 4340           CSC-XP 1300-750 BK         1475         168         5.5         6.5         750         -         CSC-XP-F Kit 1300         -         2 x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340     <	029	CSC-XP 670-750 BK	710	586	4.5	5.5	750	CSC-XP Kit 670	CSC-XP-F Kit 670	2×2230	2×2070	4 × L
CSC-XP 860-750 BK         850         728         6.5         6.5         750         -         CSC-XP-F Kit 860         -         2 x 2475           CSC-XP 860-750 BK         915         781         5.5         6.5         750         -         CSC-XP-F Kit 860         -         2 x 2660           CSC-XP 860-750 BK         1055         816         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 2785           CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 3710           CSC-XP 1200-750 BK         1265         1080         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -	710	CSC-XP 710-750 BK	750	618	4.5	5.5	750	CSC-XP Kit 710	CSC-XP-F Kit 710	2×2360	2 x 2195	4×L
CSC-XP 860-750 BK         915         781         5.5         6.5         750         -         CSC-XP-F Kit 860         -         2x 2660           CSC-XP 900-750 BK         955         816         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2x 2785           CSC-XP 1000-750 BK         1055         993         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2x 3700           CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2x 3720           CSC-XP 1200-750 BK         1370         1168         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2x 4340           CSC-XP 1300-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2x 4340    CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)  CSC-XP XXX-YYYY BK XXX - PE Size (mm) XYY - Nominal Casing Length (mm) XYY - Nominal Casing Length (mm) XYY - Nominal Casing Length (mm) XYY - Nominal C	800	CSC-XP 800-750 BK	820	728	5.5	6.5	750	1	CSC-XP-F Kit 800	1	2×2475	App-Frame
CSC-XP 900-750 BK         915         816         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 2785           CSC-XP 1000-750 BK         1055         904         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 3100           CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 3700           CSC-XP 1200-750 BK         1265         1080         5.5         6.5         750         -         CSC-XP-F Kit 1300         -         2 x 4030           CSC-XP 1300-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Scc-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Scc-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Scc-XP XXX-YYY BK         XXX - PE Size (mm)         YYY - Nominal Casing Length (mm)         CSC-XP-F Kit XXX         CSC-XP-F K	860	CSC-XP 860-750 BK	915	781	5.5	6.5	750	1	CSC-XP-F Kit 860	1	2×2660	App-Frame
CSC-XP 1000-750 BK         1055         904         5.5         6.5         750         -         CSC-XP-F Kit 1000         -         2 x 3100           CSC-XP 1100-750 BK         1165         93         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 3410           CSC-XP 1200-750 BK         1265         168         5.5         6.5         750         -         CSC-XP-F Kit 1300         -         2 x 4030           CSC-XP 1300-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Special Orders           CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)         CSC-XP Kit XXX         CSC-XP-F Kit XXX         CSC-XP-F Kit XXX         CSC-XP-F Kit XXX         XXX-PE Size (mm)	006	CSC-XP 900-750 BK	922	816	5.5	6.5	750	1	CSC-XP-F Kit 900	ı	2×2785	App-Frame
CSC-XP 1100-750 BK         1165         993         5.5         6.5         750         -         CSC-XP-F Kit 1100         -         2 x 3740           CSC-XP 1200-750 BK         1265         1080         5.5         6.5         750         -         CSC-XP-F Kit 1300         -         2 x 4030           CSC-XP 1300-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Special Orders           Special Orders           CSC-XP XXX YYYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)         CSC-XP Kit XXX         CSC-XP-F Kit XXX         CSC-XP-F Kit XXX         XXX - PE Size (mm)	1000	CSC-XP1000-750 BK	1055	904	5.5	6.5	750	ı	CSC-XP-F Kit 1000	ı	2 x 3100	App-Frame
CSC-XP 1200-750 BK         1265         1080         5.5         6.5         750         -         CSC-XP-F Kit 1200         -         2 x 3720           CSC-XP 1300-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4030           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Special Orders           CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)         CSC-XP Kit XXX         CSC-XP-F Kit XXX         XXX - PE Size (mm)	1100	CSC-XP 1100-750 BK	1165	993	5.5	6.5	750	1	CSC-XP-F Kit 1100	ı	2×3410	App-Frame
CSC-XP 1300-750 BK         1370         1168         5.5         6.5         750         -         CSC-XP-F Kit 1300         -         2 x 4030           CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Special Orders           CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)         CSC-XP Kit XXX         CSC-XP-F Kit XXX         XXX - PE Size (mm)	1200	CSC-XP 1200-750 BK	1265	1080	5.5	6.5	750	1	CSC-XP-F Kit 1200	1	2 × 3720	App-Frame
CSC-XP 1400-750 BK         1475         1256         5.5         6.5         750         -         CSC-XP-F Kit 1400         -         2 x 4340           Special Orders           CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)         CSC-XP Kit XXX         CSC-XP-F Kit XXX         XXX - PE Size (mm)	1300	CSC-XP 1300-750 BK	1370	1168	5.5	6.5	750	1	CSC-XP-F Kit 1300	ı	2×4030	App-Frame
Special Orders CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm) CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm)	1400	CSC-XP 1400-750 BK	1475	1256	5.5	6.5	750	1	CSC-XP-F Kit 1400	1	2×4340	App-Frame
CSC-XP XXX-YYY BK XXX - PE Size (mm) YYY - Nominal Casing Length (mm) CSC-XP Kit XXX CSC-XP-F Kit XXX							Special Orde	ers				
	××	CSC-XP XXX-YYY BK XX>	X - PE Size (mm	) YYY - Nomina	d Casing Length	(mm) r		CSC-XP Kit XXX	CSC-XP-F Kit XXX		XXX - PE Size (mm)	

Recovered thickness represents thickness after full (free) recovery Standard length shown, optional CSC-XP lengths are available. Casing Diameters are subject to change.

# **CSC-XP SuperCase**

### Advanced Joint Casing System for Pre-Insuated **Pipelines**

Adhesive Properties	Test Method	Typical Values
Softening Point	ASTM E28	80°C
Lap Shear	EN 12068	90 N/cm²
Casing Properties	Test Method	Typical Values
Tensile Strength	ASTM D638	30 MPa
Elongation	ASTM D638	600
Hardness	ASTM 2240	60 Shore D
Abrasion Resistance	ASTM D1044	35 mg
System Properties	Test Method	Typical Values
Adhesion Strength @ 23°C*	EN 12068	75 N/cm
Water Absorption	ASTM D570	< 0.05 %
Low Temp. Flexibility	ASTM D2671	-30°C
Heat Aging @ 150°C, 14 days (Tensile Strength)	ISO R57	95%
Heat Aging @ 150°C, 14 days (Tensile Elongation)	ISO R57	95%
Soil Box & Pressure Vessel Test** (Adhesive Method)	EN 489: 2009	Pass
Soil Box & Pressure Vessel Test*** (IntelliFUSE™ Method)	EN 489	Pass-Weld Stress Crack Resistance
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### **EN 489 Sand Box Test**

Casing completely intact on both sides.

**Easily Exceeds EN 489 Requirements** 



### IntelliFUSE<sup>1</sup>

Please contact Canusa representative for more information.

- \*Tested using 1mm thick HSS backing
- \*\*Tested with adhesive application method
- \*\*\*Tested with electrofusion IntelliFUSE™ application method

Since 1967, Canusa-CPS has been a leading developer and manufacturer of specialty pipeline coatings for the sealing and corrosion protection of pipeline joints and other substrates. Canusa-CPS high performance products are manufactured to the highest quality standards and are available in a number of configurations to accommodate many specific project applications.

The product information shown here is intended as a guide for standard products.

Consult your Canusa representative for specific projects or unique applications at info@canusacps.com.



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**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 product data sheet 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 warranty either expressed or implied.
All information contained in this data sheet is to be used as a guide and is subject to change without notice. This data sheet supersedes all previous data sheets on this product. E&OE

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