

11th April 2019

Updates of LOGSTOR's Product Assortment ProductInfo No. 1-2019

We have got off to a good start in 2019, and we have important product information to share with you.

ProductInfo No. 1-2019 contains updates as regards WeldMaster Light, SX-WPJoint in casing dimensions \varnothing 500 – 710 mm, introduction of the red venting plug in the SX-WP joint family, adjustments of the EW weld strip and dimensions of fixing bars for the TwinPipe system.

If you have questions, you are of course welcome to contact your usual contact person or the undersigned.

Best regards,

LOGSTOR A/S

Peter Jorsal
Product Manager

WeldMaster Light

At the end of 2018 we introduced WeldMaster Light and WeldMaster Super Light as new members of the WeldMaster family with the following properties:

WeldMaster Light

- Can weld BandJoint as well as EWJoint
- Weight only 25 kg
- Cable length 16 m
- Mains voltage 3 x 230/400 VAC
- Generator down to 8 kVA
- Maximum casing joint dimension $\varnothing 560$ mm
- Can perform one weld at a time (one BandJoint or one weld strip in an EWJoint)
- Otherwise the same functions as the WeldMaster with handheld, remote control PDA for automatic scanning the 2D bar code on the casing joint for correct input of weld data for the welding process
- Automatic upload of weld data to a web server for later documentation

WeldMaster Super Light

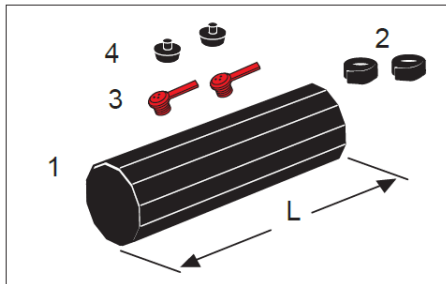
- Maximum casing joint dimension $\varnothing 400$ mm
- Mains voltage 230V
- Otherwise the same as WeldMaster Light

See product sheet about WeldMaster Light on our website



SX-WP in Casing Dimensions $\varnothing 500 - \varnothing 710$ mm

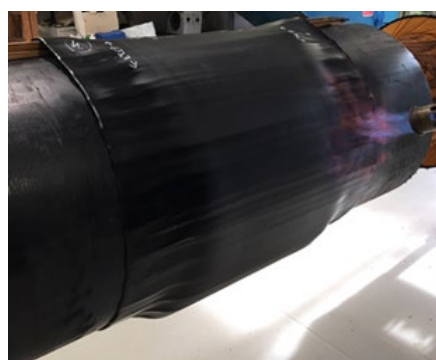
In response to customer inquiries we introduce a cross-linked shrink joint for foaming in casing dimensions $\varnothing 500 - \varnothing 710$ mm. The new shrink joint will be a member of the SX-WP family. See below description of the SX-WPJoint in large dimensions:



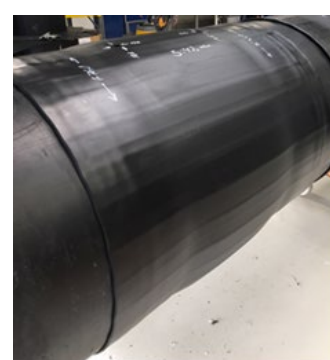
- The shrink sleeve is cross-linked and finger-expanded in the entire length, so it is also shrinkable in the entire length. Visually, the sleeve resembles the shrink sleeve of the EWJoint, B2Sjoint, and BSJoint.
- The joint is sealed with mastic. As for SX-WP in large dimensions mastic is delivered separately and must be installed on site.
- The joint is delivered as a complete kit, consisting of the cross-linked shrink sleeve, 2 pieces of mastic, 2 red venting plugs, and 2 weld plugs.
- As a standard the joint can be used as a reduction fitting for one dimensional reduction of the casing dimension
- 17.5 mm foam hole is pre-drilled
- The installation is as follows (same principle as for BSJoint):
 - Clean all surfaces with alcohol, grind the surfaces and activate them with gas burner
 - Install mastic at both ends
 - Use wooden wedges to centre the sleeve
 - Shrink the outmost 150 mm of the sleeve at each end
 - Foaming and installation of weld plugs are done as for our other joints



Finger-expanded sleeve



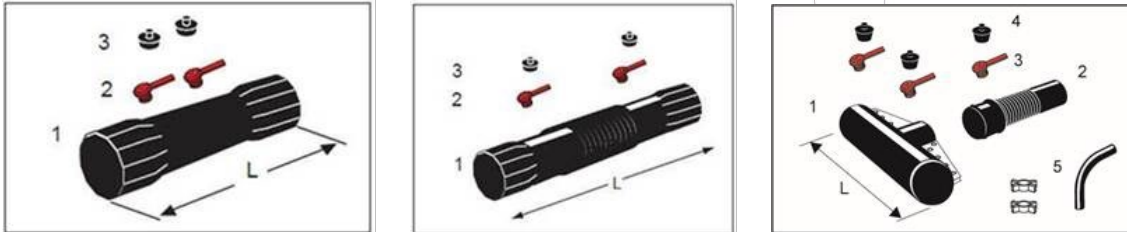
Shrinking sleeve ends



Completed joint

The SX-WP Family with Red Venting Plug

As informed earlier we plan to introduce the red venting plug in our joint systems and now the time has come for the SX-WP family.



When using the red venting plug the foam hole is **17.5 mm**.

The red venting plug has the following advantages:

- Improved venting of the joint, because the venting area of the red venting plug is 3 times bigger than that of the white venting plug
- The red venting plug can withstand a higher pressure from the foaming. This increases the safety, in case the joint is overfilled with foam

As accessory to the leakage test equipment we supplement the assortment with a loose rubber plug with a hole for a 17.5 mm foaming hole. Product number 90500000027015.



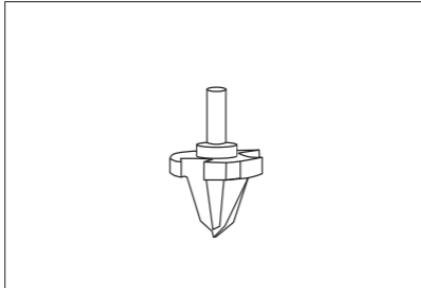
Installation:

The red venting plug is installed as it appears from below photo:

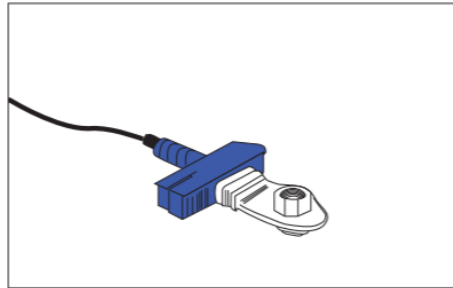


Otherwise the installation instructions for SX-WPJoint, SXB-WPJoint, and SXT-WPJoint must be observed.

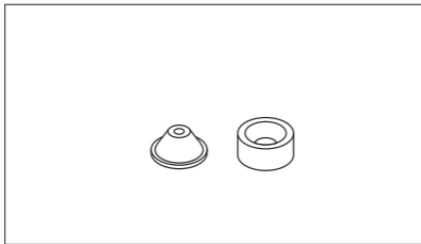
Especially, when installing the weld plug it is important to use the stated tools, illustrated below, to obtain the desired quality:



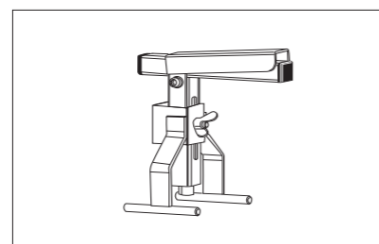
Conical drill bit



Socket welder



Cones for socket welder



Retaining tool for weld plug

Instructions for Using Expansion Plug and Patch instead of Weld Plug

LOGSTOR always recommends that weld plug be installed to seal the foam hole. If this is not possible expansion plug and patch must be ordered as a separate kit.

The joint is delivered with a 17.5 mm hole, so a conical drill bit with stop collar, which fits the expansion plug must be used. Product No. of the conical drill bit is 90500000025010. See below photo:

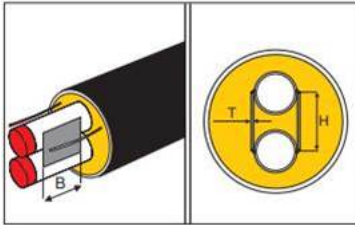


Implementation:

The production of the SX-WP family with a 17.5 mm foam hole and the red venting plugs has started, and these joints will be delivered, when the stock of joints with white venting plug has been sold out. So for a period both types will be delivered. The product numbers for the SX-WP family are unchanged.

Fixing Bars for the TwinPipe system

Fixing bars are used in preinsulated TwinPipe fittings, when an end fitting or the bend fitting SX-WPJoint is used at the end of straight sections in the system. See below illustrations:



The preconditions for calculation of fixing bars for the TwinPipe system will be changed in the future revision of the European standard EN13941. The changes in the standard are i.a. the safety factors which shall be applied in the calculation. In addition the future standard defines that the maximum temperature difference between flow and return is 60 °C.

In consequence of the new conditions for calculation it is necessary to increase the length of the fixing bars. To be prepared for this, when the new standard becomes valid, we introduce the new measurements in newly produced fixing bars in fittings and joint solutions. Measurements and new product numbers appear from below table:

Product No.	Dimension ø out. mm	Measurements, mm		
		W	H	T
19980026046045	26.9	45	46	4
19980033053065	33.7	65	53	4
19980042061080	42.4	80	61	4
19980048067085	48.3	85	67	4
19980060080110	60.3	110	80	4
19980076096135	76.1	135	96	4
19980088114125	88.9	125	114	6
19980114139165	114.3	165	139	6
19980139170205	139.7	205	170	6
19980168208260	168.3	260	208	6
19980219264305	219.1	305	264	8

Changed measurements do not result in changed installation instructions for the SXB-WPJoint.

When fixing bars are used in connection with end fittings the changed measurements means that the fitter must cut further back from the free end for dimension ø139.7 mm, ø168.3 mm and ø219.1 mm. For these dimensions an end fitting with a length of 1000 mm instead of 700 mm must be used.

The new fixing bars will be packed with a revised installation instruction to ensure that the fitter has the correct instruction.

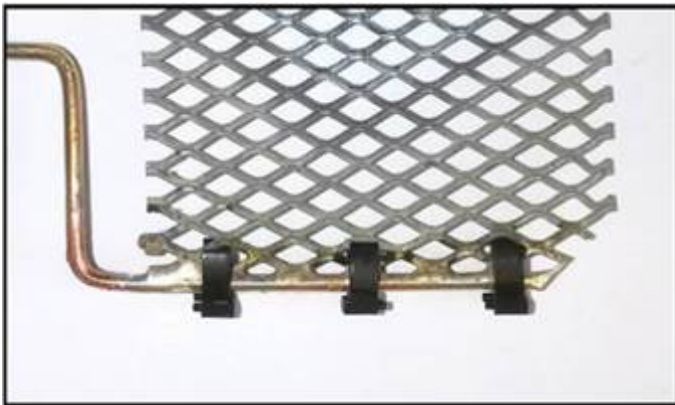
Changed Weld Strip for EWJoint

Background:

To prevent short circuit during installation and welding, the weld strip for EWJoint has so far been delivered with a teflon coating on the outer part of the weld strip and latest with a coated wire installed at the end of the weld strip.

Change of Weld Strip:

The way in which we prevent short circuit of the weld strip is changed. Instead of a coated wire the future weld strip will be delivered with 3 polyamide (nylon) spacers installed. See below photos:



The advantages are:

- The installed spacers prevent short circuit, and the distance of 3 mm is easily obtained.
- In the area around the terminal there is an improved heat distribution from the weld strip to the casing and joint.

The width of the weld strip for casing dimension $\varnothing 630$, $\varnothing 710$, and $\varnothing 800$ mm will also be changed, so in future it will be 40 mm. The advantages are:

- It is easier for the fitter to stretch the weld strip according to the installation instructions, so the change improves the fitters' working environment
- Less electrical energy required resulting in lower installation cost and lower CO2 emission

Naturally, these adjustments to the weld strip have been subjected to tests on EWJoints with positive results in accordance with EN489.

Installation with WeldMaster and scanning 2D bar code of the label, installed at the weld strip will remain unchanged.

If installation takes place with the old EW welding machines (not WeldMaster), new data for the welding machine must be used. Information about this is found in the plastic bucket, containing weld strip and plugs.

Delivery of the new weld strips starts when the existing stock of the present weld strip is sold out.

Revisions of the European Standards for pre-insulated pipes, fittings, casing joint etc.

Within a few months revisions of the European standards will be released. In the next LOGSTOR ProductInfo we will inform in more detail about this.