

ASP CAMSTOPPER®

PLUGS / MECHANICAL SEWER PLUGS

PRODUCT ADVANTAGES

- The only plugs with WRC APPROVAL
- N°1 for reliability
- N°1 for safety
- Quick installation
- Safe non man-entry retrieval



PT/237/0212
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TO STOP PIPELINES SAFELY



**Manufactured
by NORHAM**



NORHAM
DESIGNER & SUPPLIER

Z.A DRUISIEUX — 26260 SAINT DONAT SUR L'HERBASSE - FRANCE

TÉL : +33(0)4 75 45 00 00 - FAX : +33(0)4 75 45 17 05 — www.norham.fr



COUPLINGS
& SEALS

PLUGS

NON-RETURN
AND FLAP VALVES

PENSTOCKS &
REGULATORS

JUNE 2012

ASP CAMSTOPPER®

PLUGS / MECHANICAL SEWER PLUGS

Mechanical pipeline plugs **CAMSTOPPER®** are designed to stop flow and test sewerage and drainage systems, from **DN 100 to 1400 mm**.

Fitted with a handle that operates a **cam-lock mechanism**, the innovative **CAMSTOPPER®** patented stopper is without doubt **the easiest and quickest to install**.

The **ingenious handle** also allows the plug to **be fitted or removed** from a distance for **maximum operator safety**, avoiding the need to go down a manhole to stop the pipe.

3 types are available depending on pipelines : «**CAM**» from **DN 100 to DN 150**, «**PRO**» from **DN 175 to DN 500** and «**PRO SPC**» for **made to measure**.

"CAM" RANGE

- + **The original patented «CAMSTOPPER»**
- + **DN 100 to 150**
- + Maximum allowable back pressure : **0,5 bar** (5 m head)
- + By pass Ø 1/2"
- + **Remote installation device (RID)** available
- + **Safe removal** by attaching a rope to the handle (Cf : Installation/Retrieval)



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MATERIALS

- Body in **Nylon + Fiberglass (20%)**
- **EPDM** seal EN 681-1 grade WC

DIMENSIONS

Product reference*	Nominal plug diameter		Tolerance (int. Dia. of pipe) (mm)	Maximum allowable back pressure
	Metric	Imperial		
CAM090	90 mm	3 1/2"	90 - 97	0.5
CAM100	100 mm	4"	96 - 103	0.5
CAM105	105 mm	4 1/4"	102 - 107	0.5
CAM110	110 mm	4 1/2"	108 - 112	0.5
CAM120	120 mm	4"	116 - 123	0.5
CAM130	130 mm	5"	125 - 132	0.5
CAM140	140 mm	5 1/2"	136 - 142	0.5
CAM145	145 mm	5 3/4"	144 - 149	0.5
CAM150	150 mm	6"	147 - 153	0.5
CAM150J**	150 mm	6"	148 - 154	0.5
CAM160	160 mm	6 1/2"	157 - 162	0.5

*If you require other sizes, please contact us

** **CAM150J** is only available for Asian markets



INSTALLATION/RETRIEVAL



1. Insertion



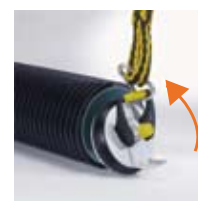
2. Heel setting



3. Cam lever locking down



4. Rope attachment



5. Unlocking and retrieval



ACCESSORIES

+ **Remote installation device (RID)** to install and retrieve for "**CAM**" range stoppers from the surface

Ref	Description
RALCAM3323	Telescopic extension pole 1500 - 3500 mm

ASP CAMSTOPPER®

PLUGS / MECHANICAL SEWER PLUGS

"PRO" RANGE

- + Aluminium patented «CAMSTOPPER»
- + DN 175 to 500
- + Maximum allowable back pressure : **0,3 to 0,5 bar** (3 to 5 m head)
- + By pass Ø 1"
- + 80 mm wide seal to improve back pressure resistance

MATERIALS

- Body in **Aluminium**
- Handle in epoxy covered steel
- **EPDM** seal EN 681-1 grade WC

DIMENSIONS

Ref *	Nominal plug diameter		Tolerance (int. Dia. of pipe) (mm)	Maximum allowable back pressure
	Metric	Imperial		
PRO200W	200 mm	7"	175 - 205	0.5
PRO215W	215 mm	7 1/2"	195 - 220	0.5
PRO225W	225 mm	8"	205 - 235	0.5
PRO250W	250 mm	9"	220 - 250	0.5
PRO270W	270 mm	10"	240 - 270	0.5
PRO300W	300 mm	11"	280 - 310	0.5
PRO315W	315 mm	12"	293 - 323	0.5
PRO350W	350 mm	13"	325 - 350	0.3
PRO375W	375 mm	14"	352 - 382	0.3
PRO400W	400 mm	15"	375 - 400	0.3
PRO420W	420 mm	16"	400 - 425	0.3
PRO470W	470 mm	18"	449 - 474	0.3
PRO520W	520 mm	20"	496 - 521	0.3



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*If you require other sizes, please contact us

INSTALLATION/RETRIEVAL



1. Insertion



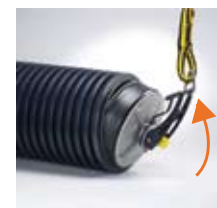
2. Tighten until
loose fit



3. Cam lever
locking down



4. Rope attachment



5. Unlocking and
retrieval

"PRO SPC" RANGE

- + Made to measure
- + Up to **1400 mm** (Please contact us)

MATERIALS

- Body in **HDPE**
- **EPDM** seal EN 681-1 grade WC

INSTALLATION/RETRIEVAL

- Similar to "PRO" range (see above).

PRO SPC



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EXEMPLES OF POSITIONING



Handle down = Plug locked =
Pipeline closed



Handle up = Plug unbolted
= Pipeline opened



Normal drainage in pipeline

CAMSTOPPER® : WRC APPROVAL

CAMSTOPPER® is the **only range of sewer plugs** that is **"WRC Approved"**.

This certification issued by the **Water Research Centre** attests to the **quality** and **performance** of new products in the water environment.

Certificate for **"CAM"** range



Certificate for **"PRO"** range



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