

Title (en)  
ASSEMBLED EXPANDING LANCE

Title (de)  
GEBaute AUFWEITLANZE

Title (fr)  
LANCE D'ELARGISSEMENT ASSEMBLEE

Publication  
**EP 1077780 B1 20030416 (DE)**

Application  
**EP 99920838 A 19990503**

Priority  
• DE 19821807 A 19980515  
• EP 9902990 W 19990503

Abstract (en)  
[origin: DE19821807A1] The invention relates to an assembled expanding lance (1) for partially expanding a tubular, linearly running hollow profile by exerting a fluid internal high pressure. The lance contains sealing rings which are each comprised of two components. The first component is formed from a low-abrasive, high pressure resistant elastomer ring (19) which can be elastically deformed by the internal high pressure. The second component is formed by a high pressure resistant support ring (28) which is radially elastic and which, axially, comprises a very high tensile strength. In addition, the elastomer ring comprises a peripheral shoulder (27) which is mounted on the support ring.

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IPC 8 full level  
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