



LS-NRS

LESCHHORN stainless steel Emergency Repair sections are used for the permanent repair of damaged pipes: for water, gas and petro-chemical fluids

Applications

The function of the Emergency repair set is to reduce the stock that has to be carried by the water companies and to improve the availability of clamps in case of emergency repairs.

Especially for larger repair clamps that are relatively seldom used, it is convenient to have the combi repair clamp available so that any required clamp with a diameter between 91 and 780 mm can be assembled from the sections of the combi repair clamp.

The sections, which increase in size, are marked A,B,C,D and E.

The ranges 99–110; 122–130; 142–161; 173–192 and 204–212 can not be combined.

Standard length is 400 mm

Clamp combinations

Use the table on the second page on the right to find the right combination of clamp sections for the range you need.

Working pressure

The pressure for which the clamp can be used varies with the number of sections, pipe diameter, medium etc.

Use the following table as a guide:
Nominal working pressure under ideal circumstances

pipe od (mm)	water	gas
91-271	16 Bar	6 Bar
272-374	10 Bar	4 Bar
365-545	10 Bar	3 Bar
546-632	6 Bar	1 Bar
632-669	4 Bar	0,5 Bar
669-780	2 Bar	0,5 Bar

Our rubber gaskets are certified to European standards, such as ACS (France) and WRAS (UK). Please contact us for a detailed list of current certifications.

Material

All metal parts: passivated stainless steel
standard: 1.4301 (V2A)
on request: 1.4401 (V4A)
Bridge plate is vulcanized into the rubber gasket

Rubber Gasket:
standard: EPDM

Temperature range: -20°C to +80°C
(short therm +120 °C)
on request: EPDM HT, NBR, VITON

Hinweis

To connect a PE and PVC pipe, please place a stainless steel insert.
These are used to reinforce PE and PVC pipes from the inside to allow the use of compression couplings.

The sections are packed in a wooden crate and each time that two or more sections are used, the used sections can be re-ordered to complete the crate for the next emergency.

LESCHHORN clamps can be supplied with the following types of rubber:

EPDM	potable water waste water	max. 60 °C
EPDM HT	potable water waste water	max. 150 °C
NBR	natural gas potable water waste water	max. 70 °C
VITON	several chemicals (please contact us)	max. 200 °C



Combinations:

LS1 (one part)

Part	Length Plate	Clemp Length	Range	
			Min. OD	Max. OD
A	317	400/500/600	91	98
B	383	400/500/600	111	121
C	446	400/500/600	131	141
D	543	400/500/600	162	172
E	637	400/500/600	193	203

LS2 (two parts)

Part	Compined with	Length Plate	Clemp Length	Range	
				Min. OD	Max. OD
A	B	700	400/500/600	213	233
	C	763	400/500/600	233	253
	D	860	400/500/600	264	284
B	E	954	400/500/600	295	315
	C	829	400/500/600	253	273
	D	926	400/500/600	284	304
C	E	1020	400/500/600	314	334
	D	989	400/500/600	304	324
	E	1083	400/500/600	335	355
D	E	1180	400/500/600	366	386

LS3 (three parts)

Part	Compined with	Length Plate	Clemp Length	Range	
				Min. OD	Max. OD
A	B + C	1146	400/500/600	354	384
	B + D	1243	400/500/600	386	416
	B + E	1337	400/500/600	416	446
	C + D	1306	400/500/600	406	436
	C + E	1400	400/500/600	436	466
B	D + E	1497	400/500/600	467	497
	C + D	1372	400/500/600	426	456
	C + E	1466	400/500/600	456	486
C	D + E	1563	400/500/600	487	517
	D + E	1626	400/500/600	508	538

LS4 (four parts)

Part	Compined with	Length Plate	Clemp Length	Range	
				Min. OD	Max. OD
A	B,C + D	1689	400/500/600	527	567
	B,C + E	1783	400/500/600	558	598
	B,D + E	1880	400/500/600	589	629
C	D,E + A	1943	400/500/600	609	649
B	C,D + E	2009	400/500/600	629	669

LS5 (five parts)

Part	Compined with	Length Plate	Clemp Length	Range	
				Min. OD	Max. OD
A	B,C,D + E	2326	400/500/600	730	780