



Puncture test

Puncture resistance is important for wear resistance of pressure hoses. Applying load using hard, sharp or angular objects is essential for extremely robust pressure hoses used for a wide variety of applications e.g. irrigation and liquid manure distribution.

Test fixture for puncture test

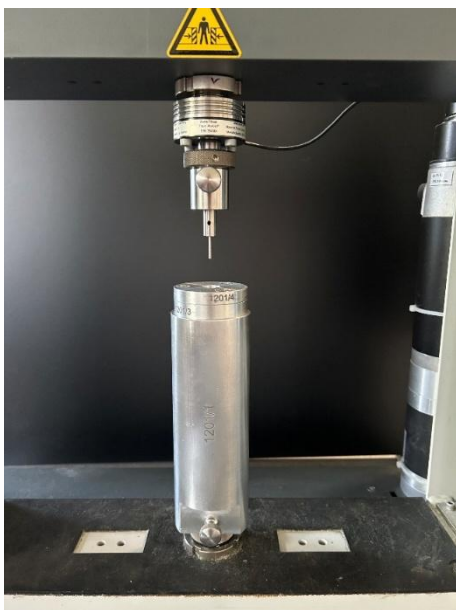


round specimen



lower specimen holder

In this test a round specimen is gripped in the lower specimen holder. It is punctured from above with a probe to measure the maximum penetration force.



test fixture startposition



test fixture during measurement



Results puncture test

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	GH HILCOFLEX PU GRÜN	GH HILCOFLEX PU DRAG	GH HILCOFLEX PU DRAG EXTRA	GH HILCOFLEX PU DRAG X-TREME
#1	430	309	354	479
#2	255	454	433	541
#3	375	353	631	570
#4	318	492	417	733
#5	220	270	507	539
#6	418	462	686	531
#7	367	483	369	527
#8	283	506	440	881
mean value	333,3	416,1	479,6	600,1
difference to percursor in %		24,8%	15,3%	25,1%
difference to HILCOFLEX PU in %		24,8%	43,9%	80,0%

