

## Important Tests in the Area of Therapy Systems

### Description



## Autoinjectors and Syringes

- Tests on autoinjectors according to [DIN EN ISO 11608-5](#)
- Wearable injectors-OBDS according to ISO 11608-6.
- Simulation and characterization of spring forces and syringe glide forces
- Breakaway force and glide force according [DIN EN ISO 7886 -1](#), DIN EN ISO 11499, ISO 11040-4 , ISO 11608-3 , ISO 7886-1
- Break resistance of injection needles according to ISO 9626 using a 2-point flexure test
- Testing on syringe system

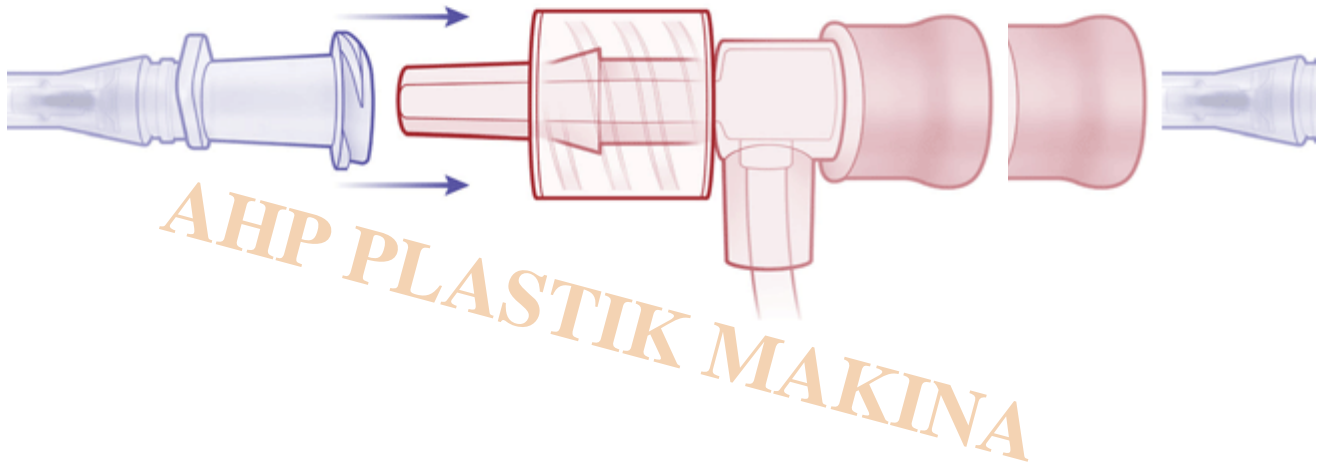
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## Insulin pens and pen injectors

Quality tests on insulin pens and carpules according to ISO 11608-1, ISO 11608-2, and ISO 11608-3.

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## Luer system/Luer lock

ISO 80369-7 and ISO 80369-20 are the standards used to test a Luer system/lock connector

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## Prefilled syringes

Syringe testing according to ISO 11040 with parts -4, -6 and -8 is critical for safe dispensing of medicines.

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### Category

1. Equipment for Standards