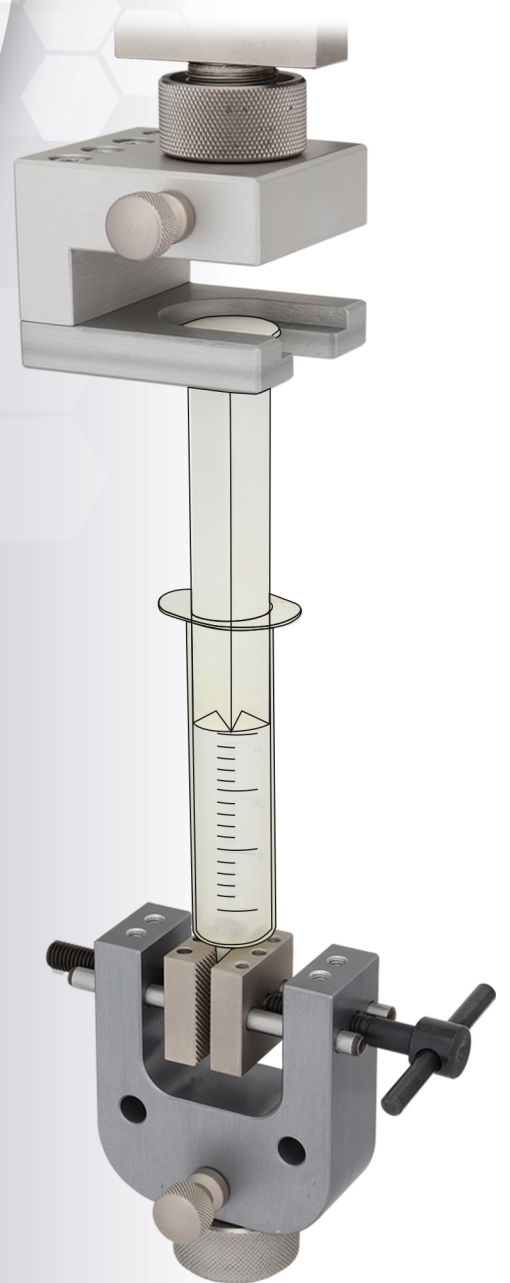
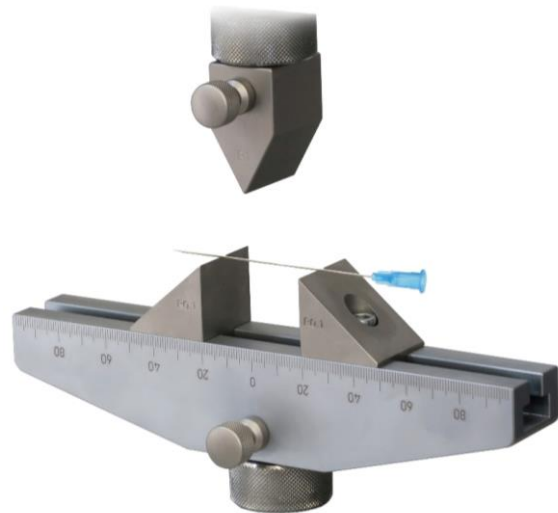


Biomedical Grips



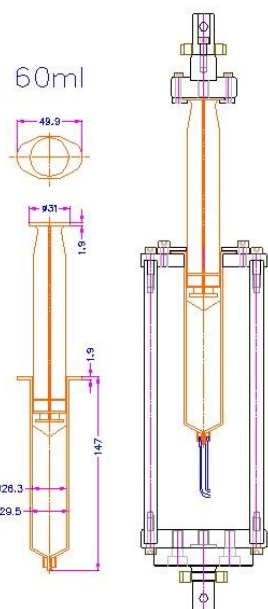
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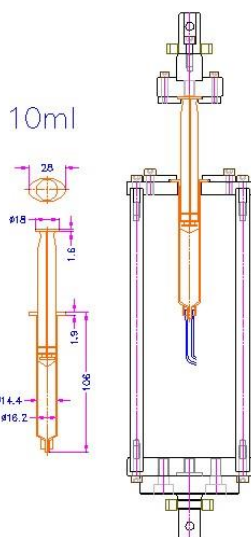


SYRINGE TEST FIXTURES

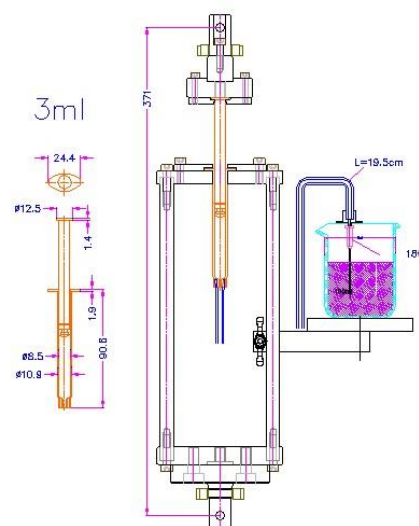
Item no.:	THS727-80
Special syringe test fixture according to DIN EN ISO7886-1-Fig.E1 to determine the force needed to operate syringe piston	
Max. load:	5 kN
Coupling:	Af159 or Af20. Further couplings on request.
Body:	Steel, nickel-plated
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture incl. syringe holder, upper part with adapter and inserts



ISO 7886-1 fig.E.1



ISO 7886-1 fig.E.1



ISO 7886-1 fig.E.1



THS727-80
with inserts, upper part with adapter and inserts to accommodate syringes of different diameter



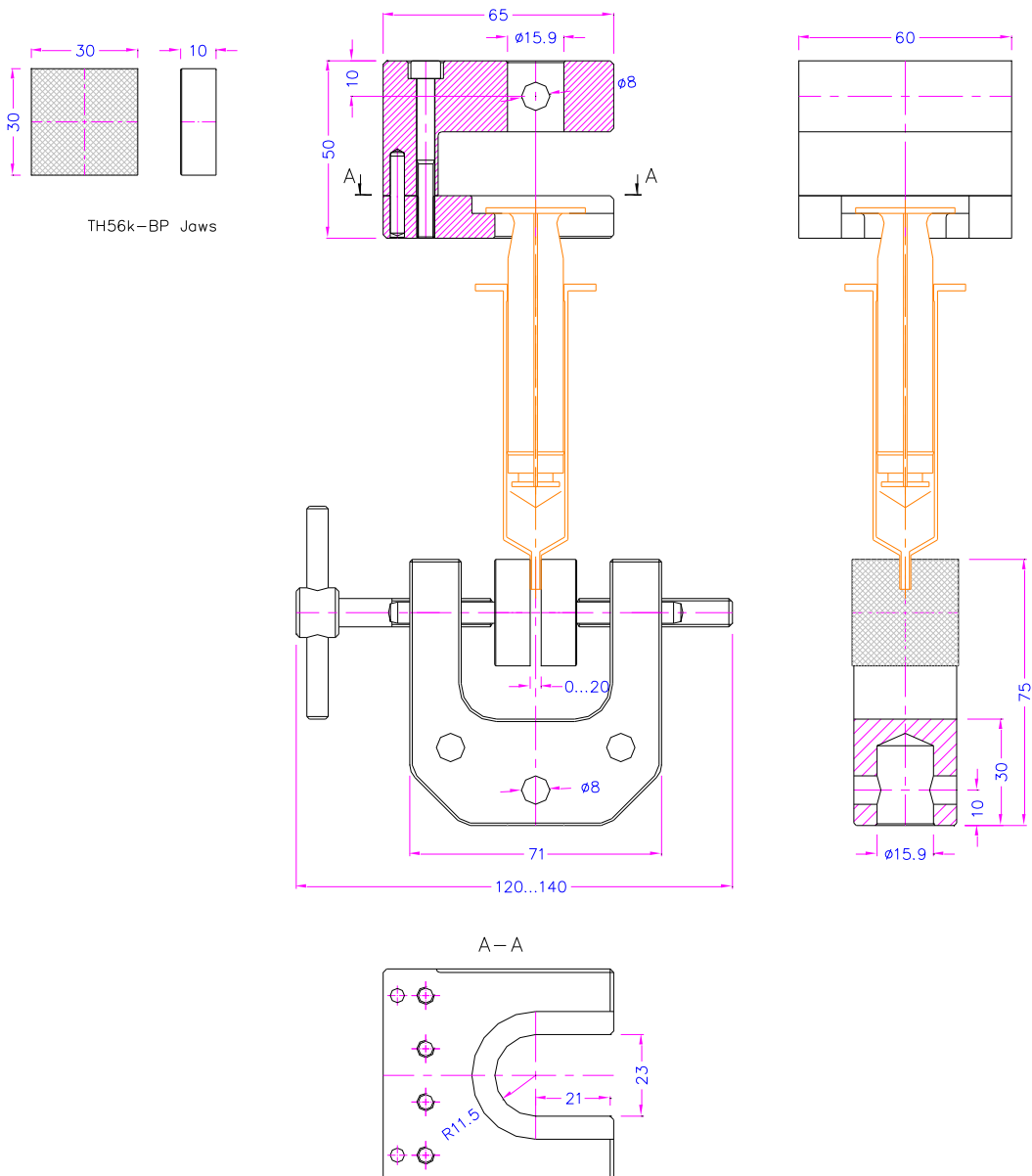
THS727-80-H500+E10+tbl
Special version with a moveable cup table, adjustable height.

Item no.:	THS1035-20-E23
Syringe holder to test tensile properties of syringes.	
Consists of a carrier and an insert with a customized slot	
Max. load:	2 kN
Coupling:	Af159 or Af20. Further couplings on request.
Body:	Aluminium, anodized
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 syringe holder incl. carrier with insert Bottom grip must be ordered separately (see TH240k-S20+BP)



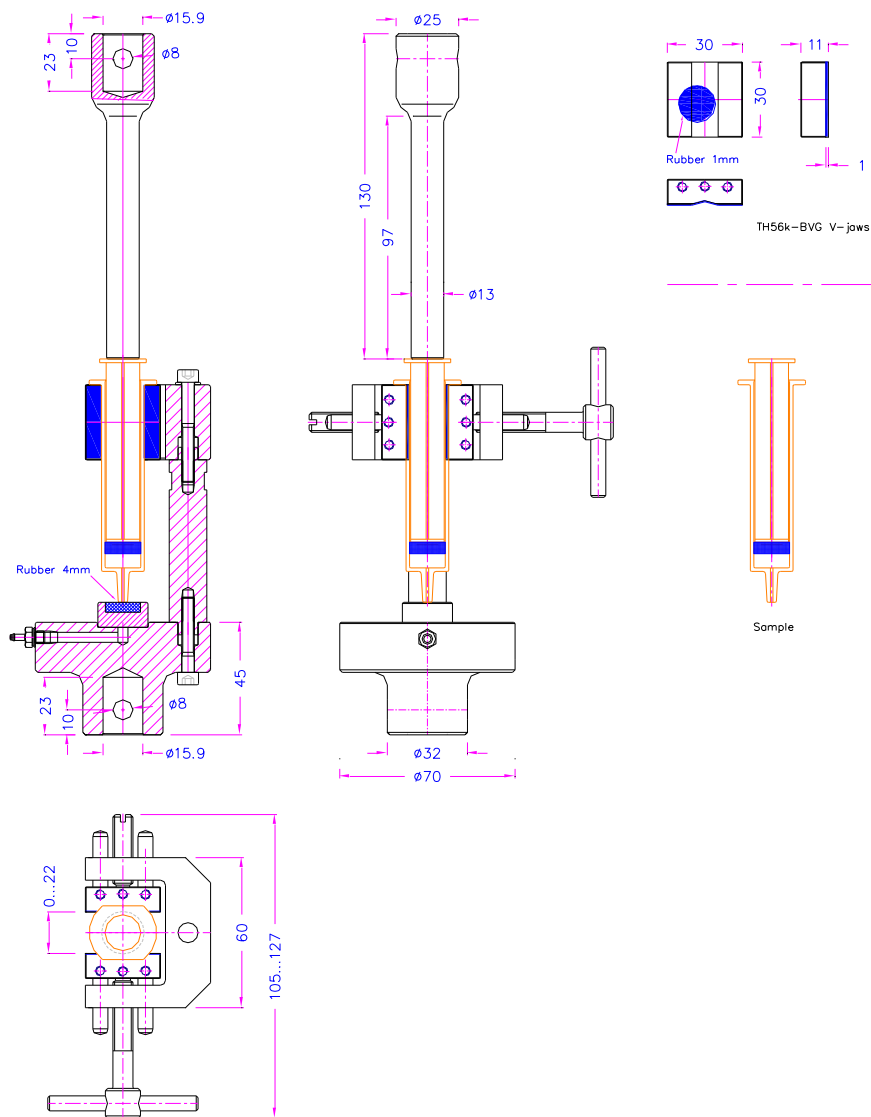
THS1035-20-E23 + TH240k-S20+BP

THS1035-20-E23 + TH240k-S20+BP



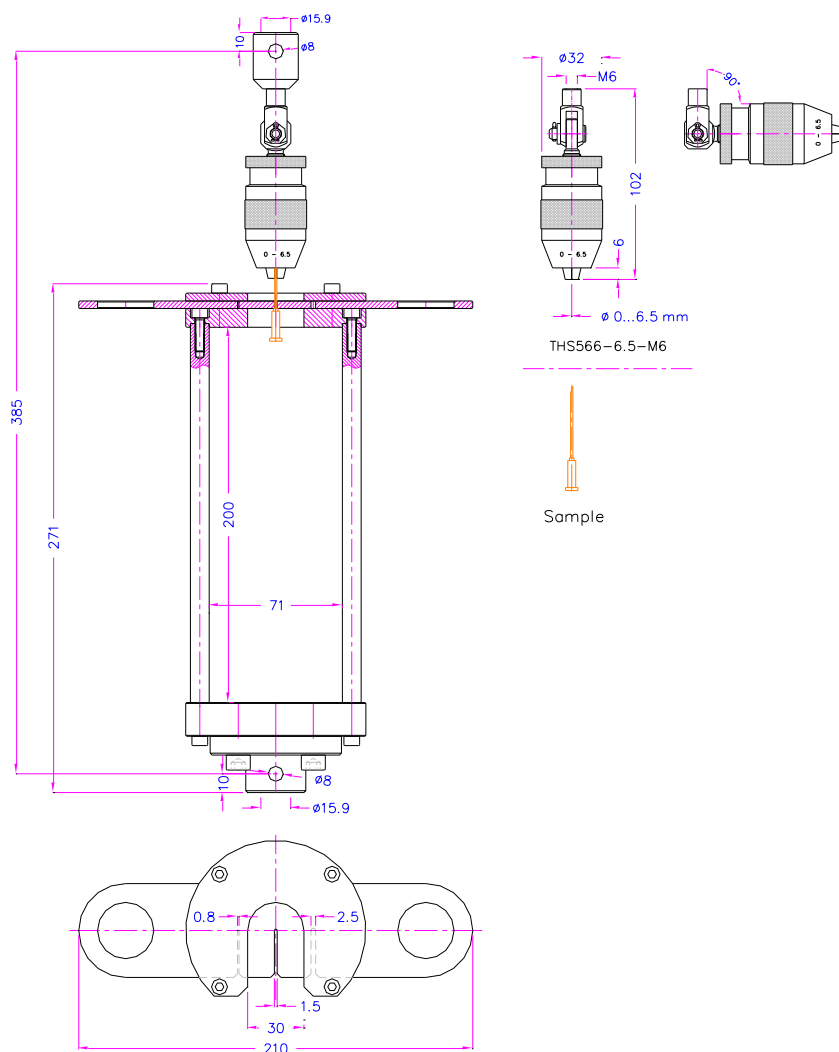
Item no.:	THS1256-V1-ISO11608-3	
Syringe cartridge test fixture according to DIN EN ISO11608-3		
Max. load:	100 N	
Coupling:	Af159 or Af20. Further couplings on request.	
Material:	Steel, nickel-plated	
Temperature range:	0 ... +70°C Further temperature ranges on request	
Scope of supply:	1 fixture consisting of the plunger and cartridge holder.	





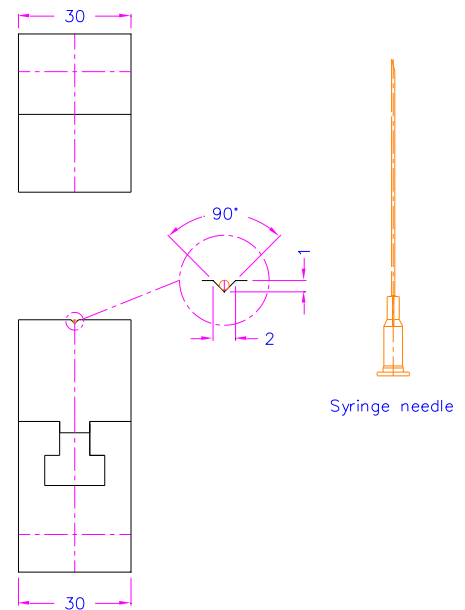
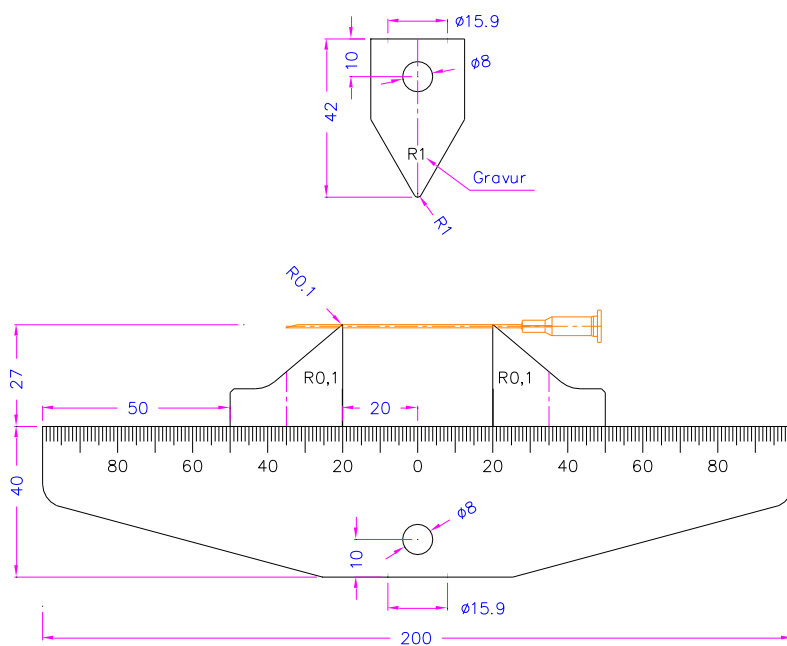
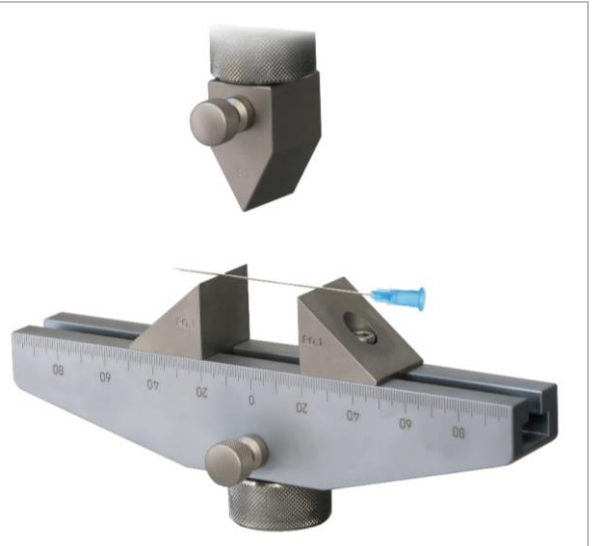
NEEDLE TEST FIXTURES

Item no.:	THS1114-120-Af159 + THS566-6.5-M6-Af159
Tensile test fixture to test hypodermic needles for single use according to DIN EN ISO7864	
Max. load:	2 kN
Max. specimen Ø:	6 mm
Coupling:	Af159 or Af20. Further couplings on request.
Material:	Aluminium, steel
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture consisting of the bottom holder and quick-action chuck drill

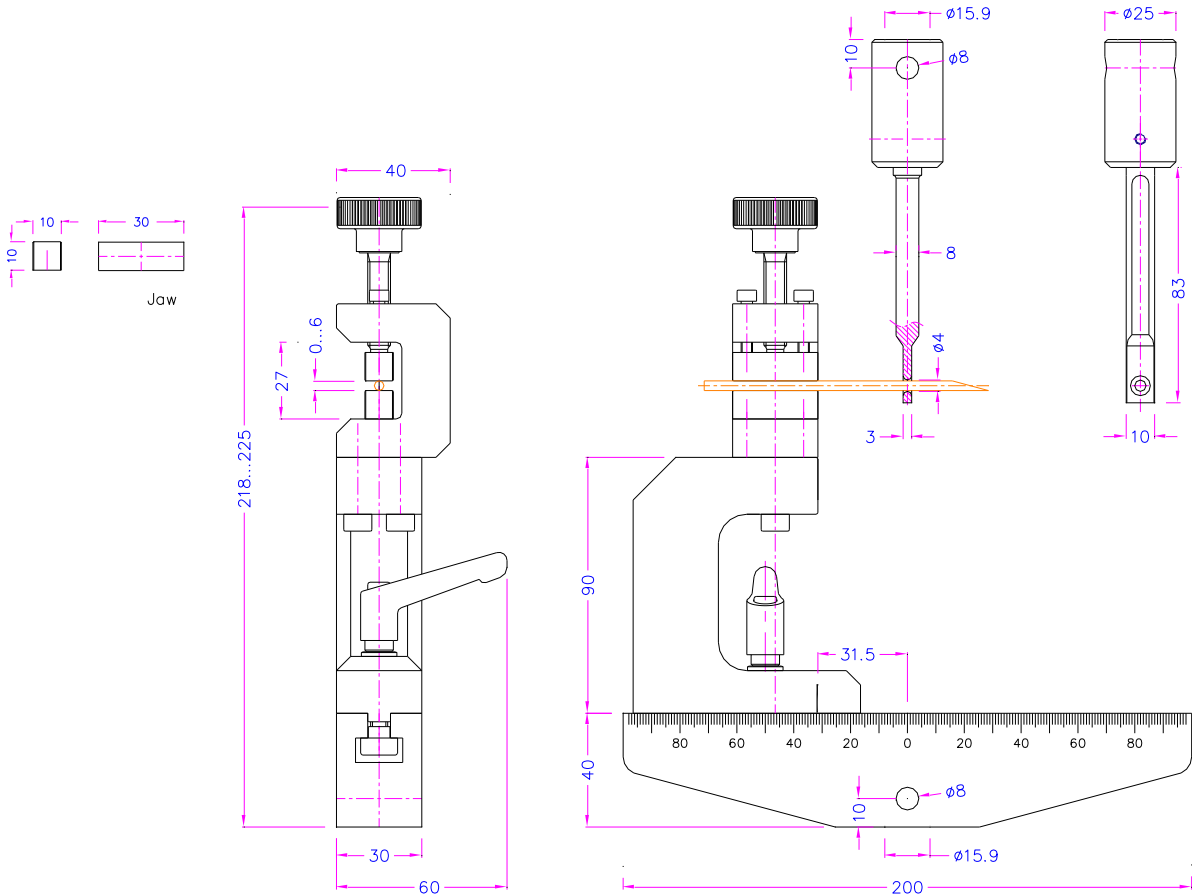
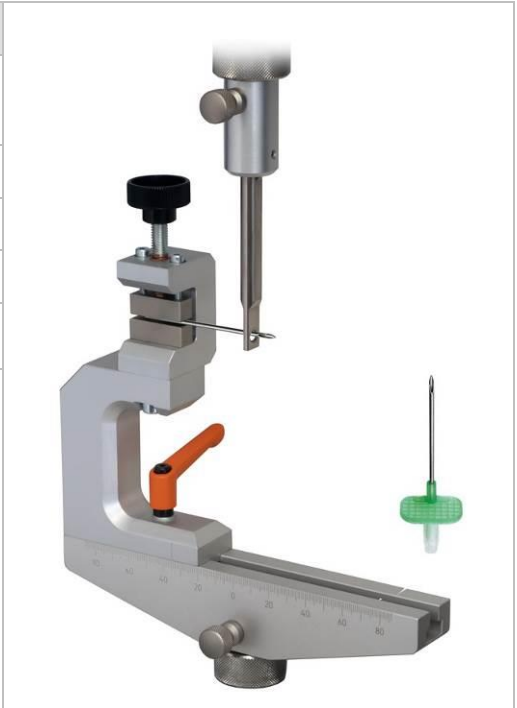


Check [Video](#)
How to insert a specimen into a quick-action chuck drill

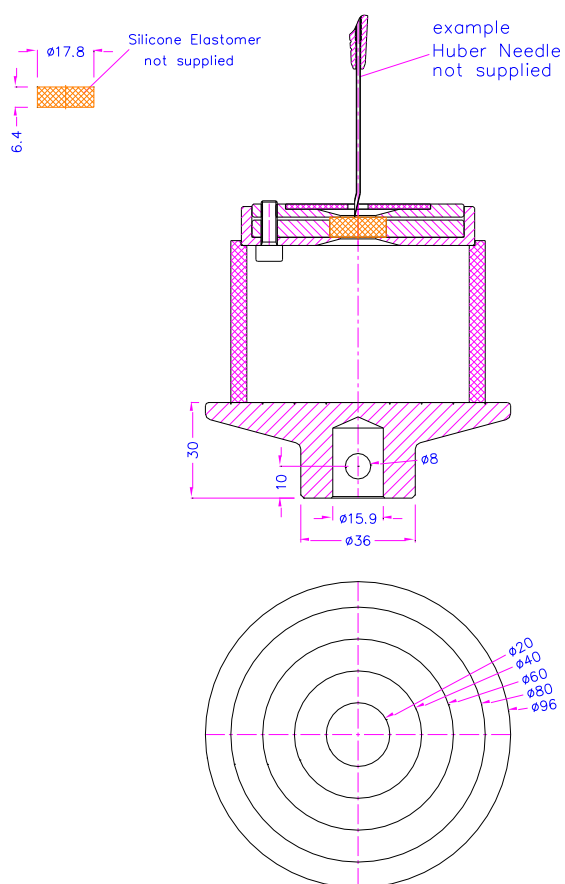
Item no.:	TH238+CR0.1V90-OR1-St
3-point bending fixture to test stainless steel needle tubings according to DIN EN ISO9626	
Max. load:	10 kN
Coupling:	Af159 or Af20 Further couplings on request
Body:	Steel, nickel-plated
Anvils:	Steel, hardened, nickel-plated
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture



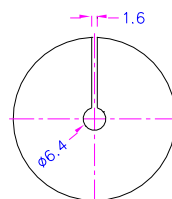
Item no.:	THS1588-ISO9626-Ann.C
Special bend test fixture to test stainless steel needle tubing according to DIN EN ISO9626-Ann.C	
Max. load:	1 kN
Coupling:	Af159 or Af20. Further couplings on request.
Material:	Aluminium, steel, plastic
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture



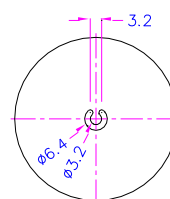
Item no.:	THS1406-ASTM-F3212	
Test fixture for coring testing of Huber needles according to ASTM-F3212		
Max. load:	1 kN	
Coupling:	Af159 or Af20. Further couplings on request.	
Material:	Stainless steel V2A, polycarbonate	
Temperature range:	0 ... +70°C Further temperature ranges on request	
Scope of supply:	1 fixture incl. inserts. The bottom compression platen to be ordered separately.	



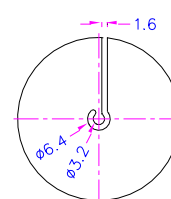
Polycarbonat



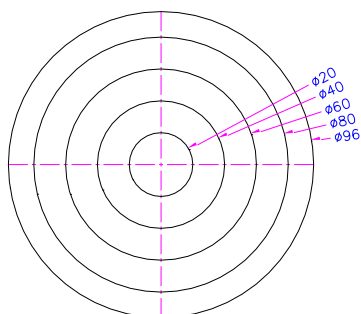
THS1406-05-01 Disc



THS1406-05-02 Disc



THS1406-05-03 Disc



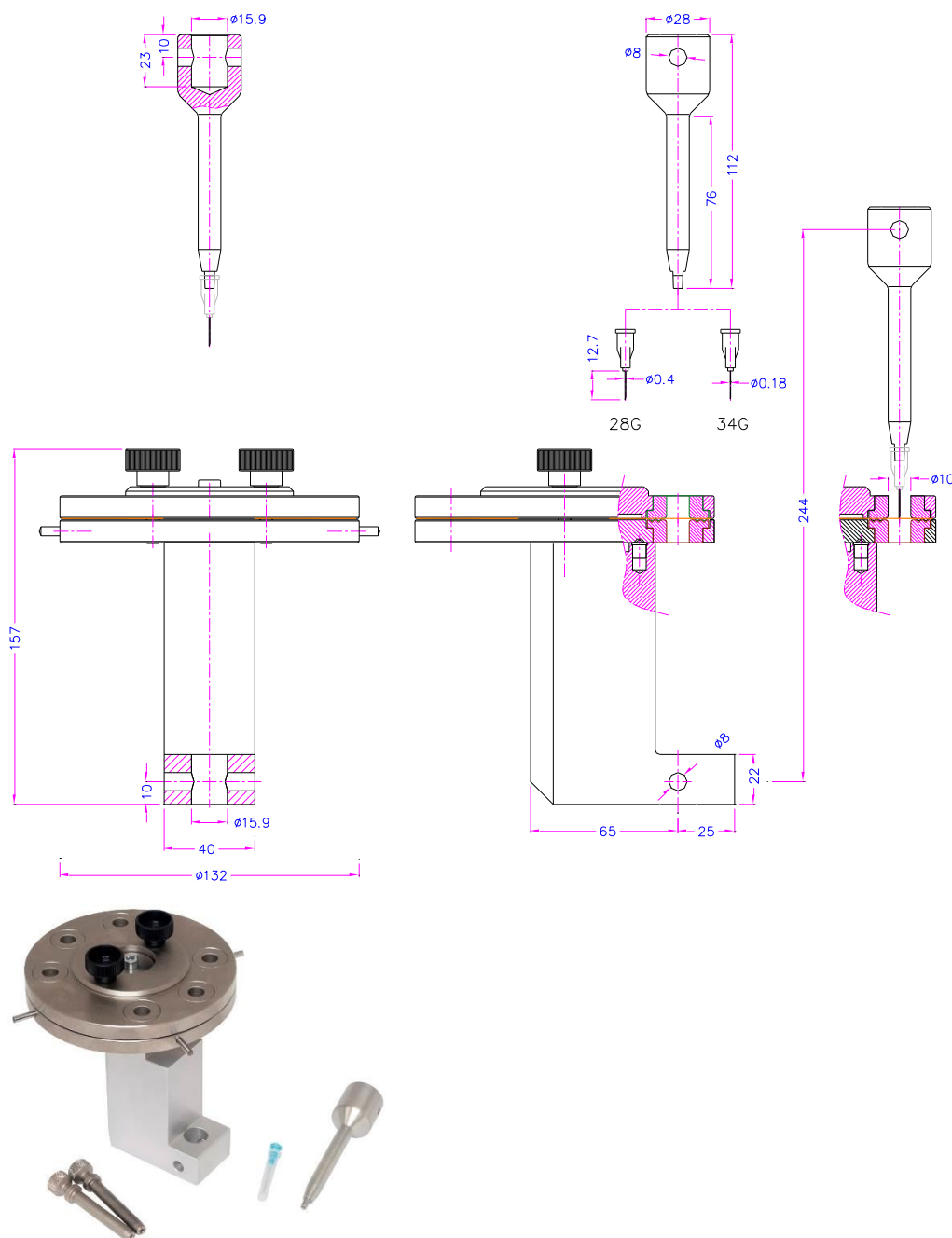
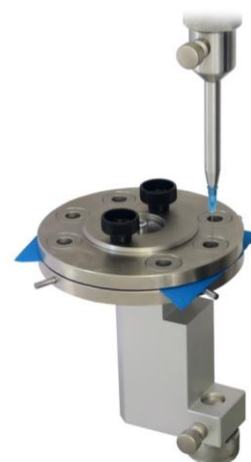
Lower compression platen:

TH23-96-159-AI

96 mm diameter, coupling Af159 or Af20, anodized aluminium

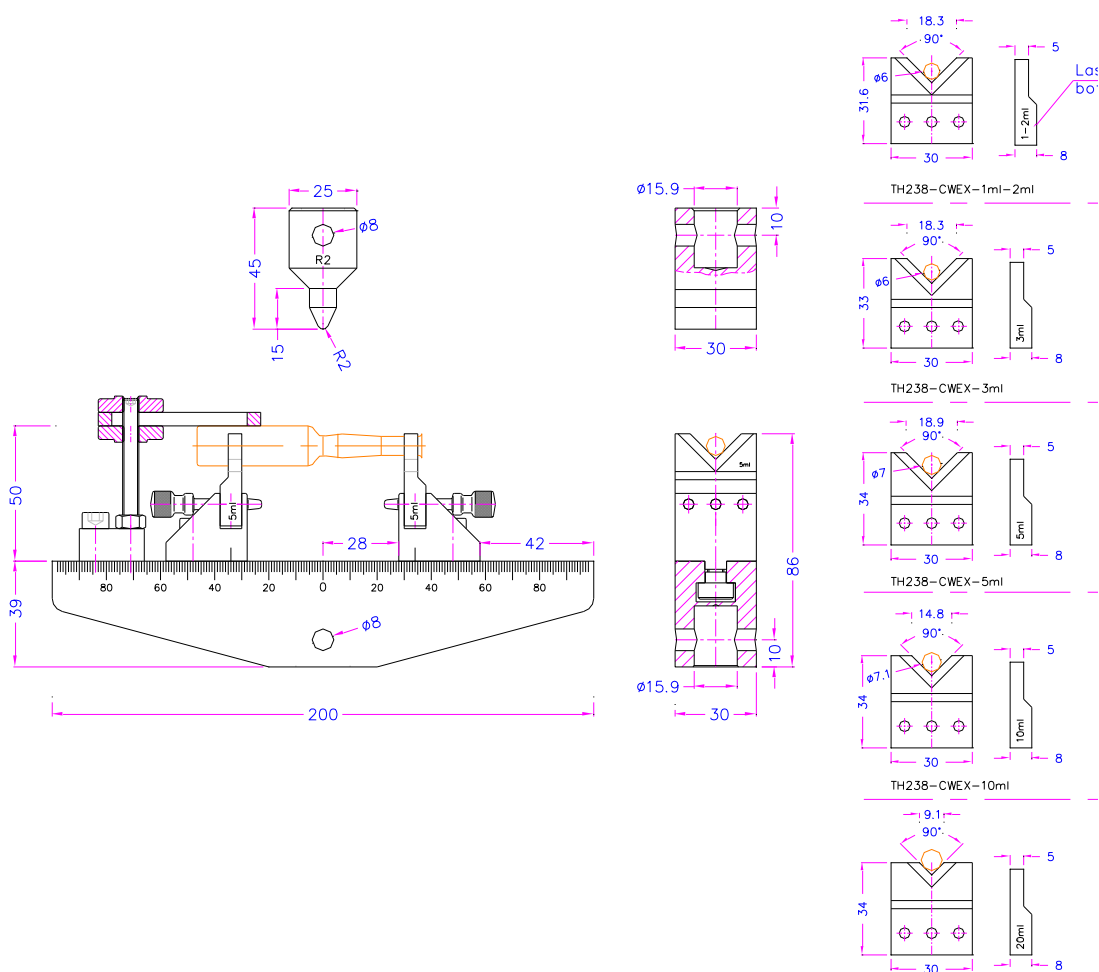
PROTECTIVE CLOTHING TESTING

Item no.:	THS1180-ASTM-F2878
Needle puncture fixture to test protective clothing material according to ASTM-F2878	
Max. load:	2 kN
Coupling:	Af159 or Af20. Further couplings on request.
Material:	Steel, aluminium, plastic
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture incl. needle holder and specimen holder



AMPOULES TEST FIXTURE

Item no.:	TH238-B200-OR2-CWx-ANSg+WNE-ISO9187-1
Bend test fixture to test breaking force of medical ampoules for injectables according to DIN EN ISO9187-1	
Max. load:	5 kN
Coupling:	Af159 or Af20. Further couplings on request.
Material:	Steel, aluminium
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 bend test fixture incl. inserts

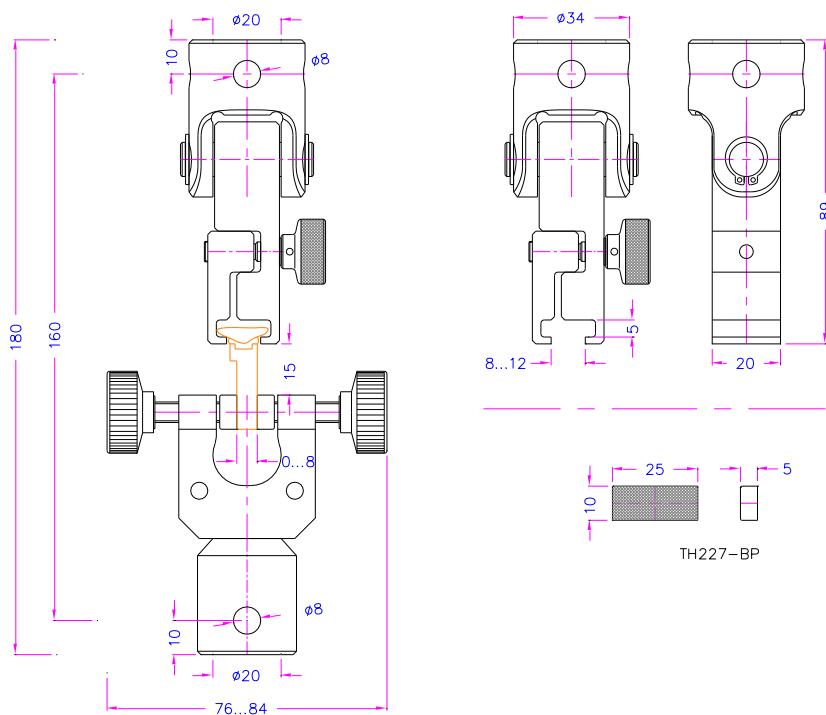


	TH238-B200-OR2-CWx-ANSg+WNE-ISO9187-1 With a tray
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DENTAL TEST FIXTURES

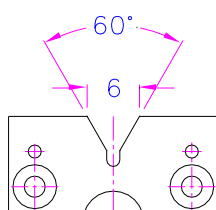
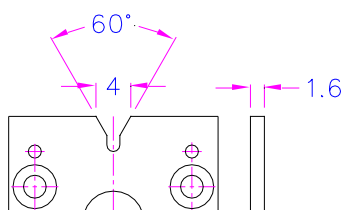
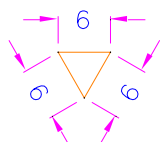
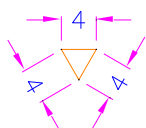
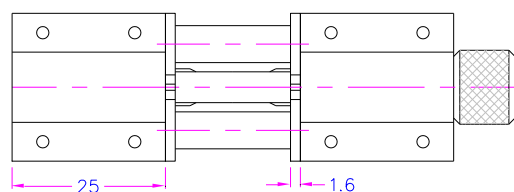
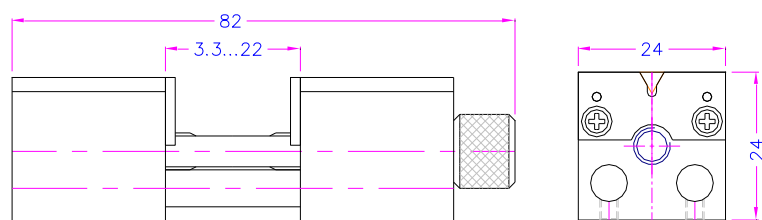
Item no.:	THS1447 + TH227+BP25	
Tensile test fixture to test bonding strength of dental prostheses according to DIN EN ISO22112 and DIN EN ISO20795-1		
Max. load:	2 kN	
Coupling:	Af159 or Af20. Further couplings on request.	
Material:	Steel, aluminium, plastic	
Temperature range:	0 ... +70°C Further temperature ranges on request	
Scope of supply:	1 fixture consisting of top and bottom grips	





Für das untere Spannzeug empfehlen wir **TH227+BP25**

Item no.:	THS1461-10-E4x4x4
Grinding holder for dental implants	
Max. load:	20 kN
Opening:	3.3 - 22 mm
Material:	Steel, tungsten carbide flat bars
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 fixture incl. inserts

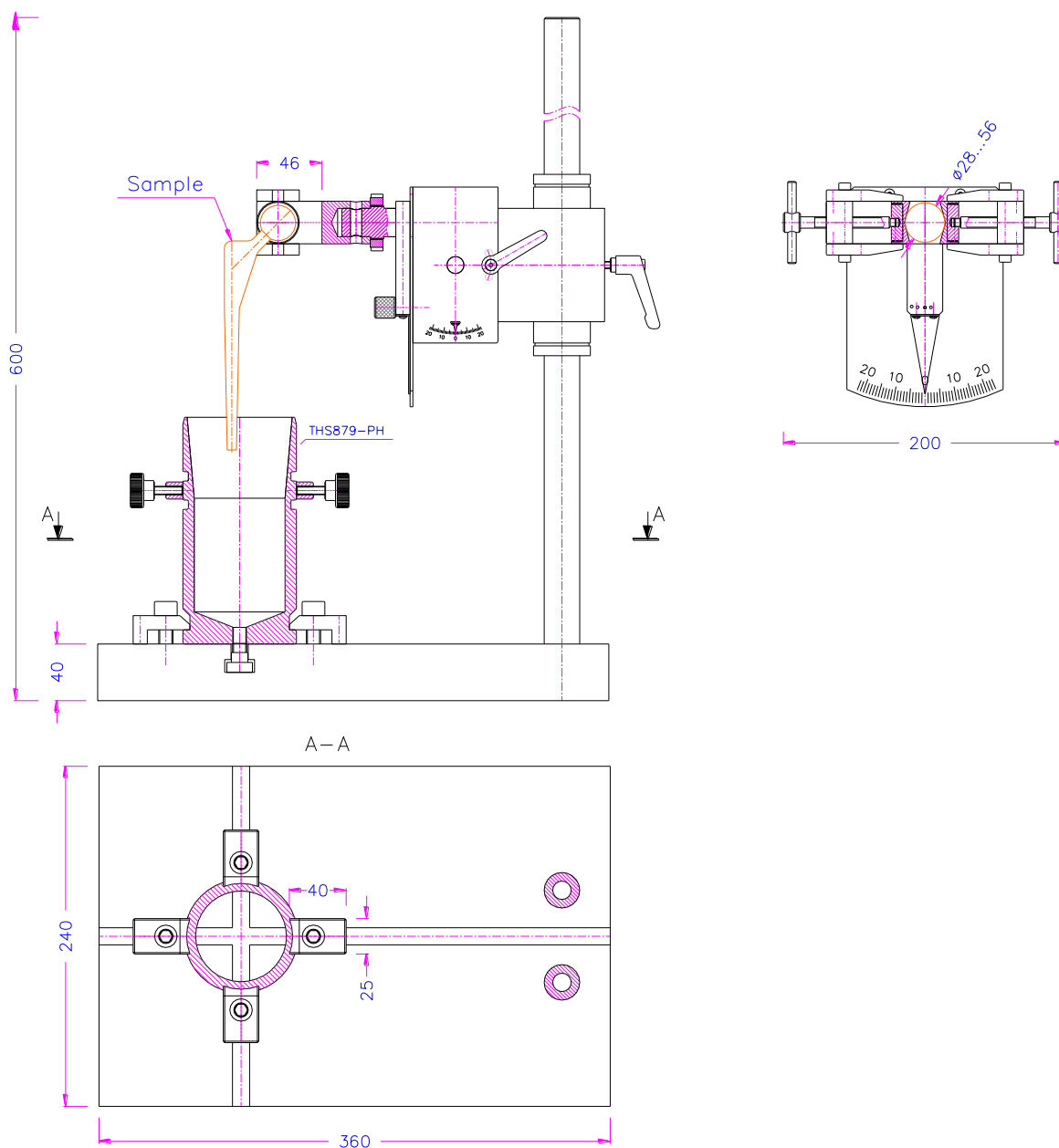
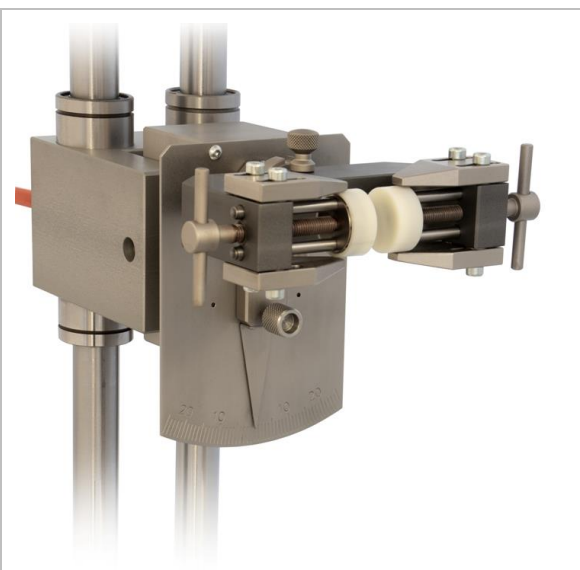


THS1461-10-E4x4x4

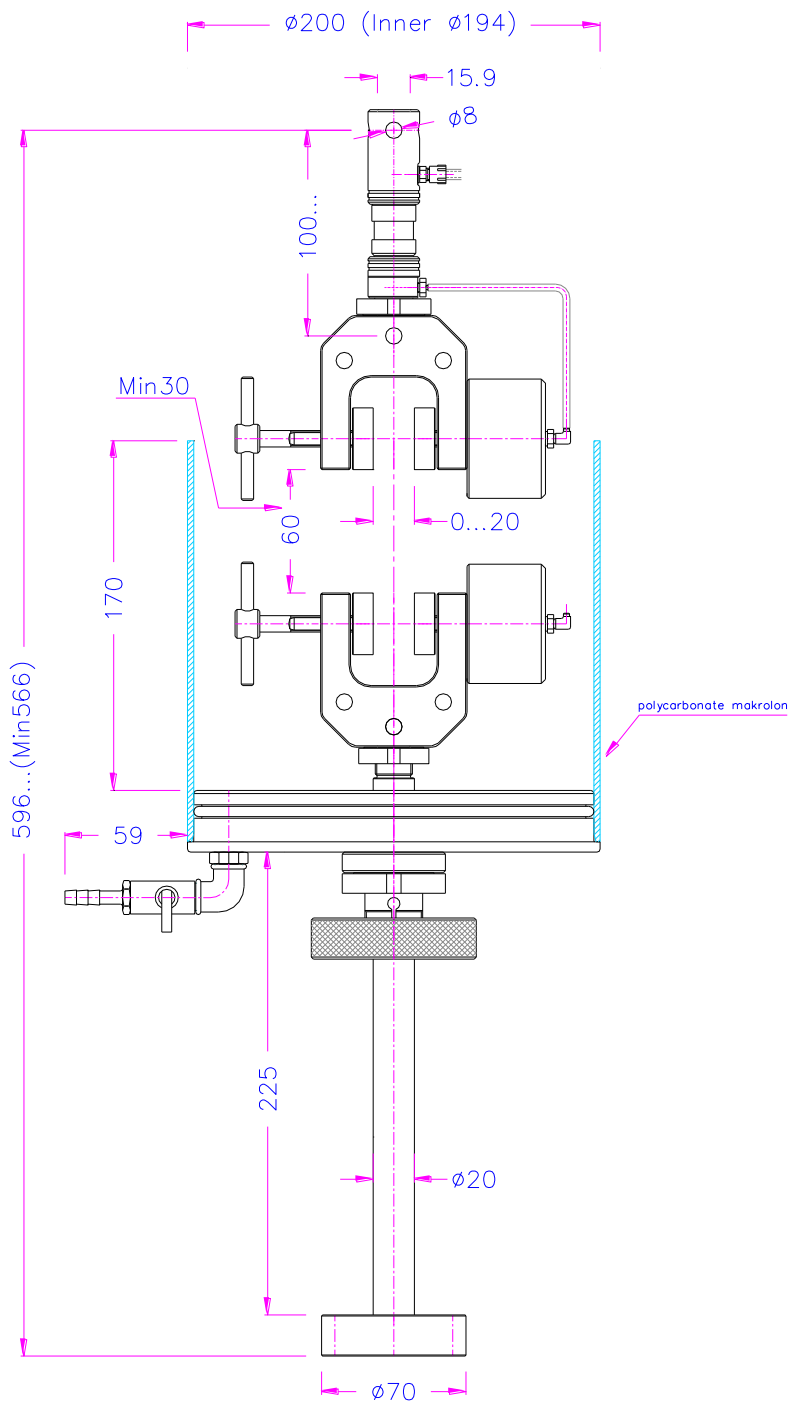
THS1461-10-E6x6x6

EXAMPLES FOR FURTHER FIXTURES

Item no.:	THS879-30-ISO7206-4
Holder for testing endurance properties of hip joint prostheses according to ISO7206-4	
Max. load:	30 kN
Specimen size:	28 ... 56 mm Ø
Material:	Steel, aluminium
Temperature range:	0 ... +70°C Further temperature ranges on request
Scope of supply:	1 holder without fluid container. Fluid container has to be ordered separately (item no. THS879-PH)



Item no.:	THS648-D200xH300-RMV
Special bath without temperature control for cyclic and creep loading test on human flexor tendons. Water outlet through a hole in the base.	
Max. load:	10 kN
Material:	Makrolon, aluminium, stainless steel
Temperature range:	0 ... +120°C. Further temperature ranges on request
Scope of supply:	1 bath without grips and pull rod adapters. For grips we recommend TH240k-S20+Ko-A4+BP30



	
THS306-V2 Special fixture for pull-out test to measure joint strength of medical needles, stainless steel	THS162-310 (syringe holder) + TH227+BG (top grip) Special fixture to test pull-out force of needle cap tips



Biomedical Grips

