



### 34-... Punch dies



#### Application

Punch dies serve for cutting specimens out of plastics and elastomers

#### Features

Coesfeld specimen punch dies are manufactured from homogenous, solid, high carbon content A2 tool steel. Each one undergoes multi-axis precision grinding and conventional, plunge or wire EDM (Electrical Discharge Machining) process. Precision grinding and EDM processes ensure true parallelism and multi-plane dimensional accuracy. The quality of materials, design, and engineering serve to provide the highest possible specimen quality over an extended service life. The sample ejectors are spring operated.

#### Technical Data

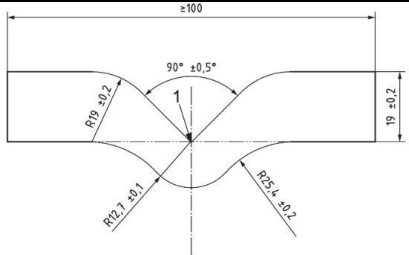
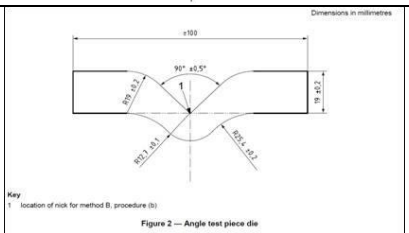
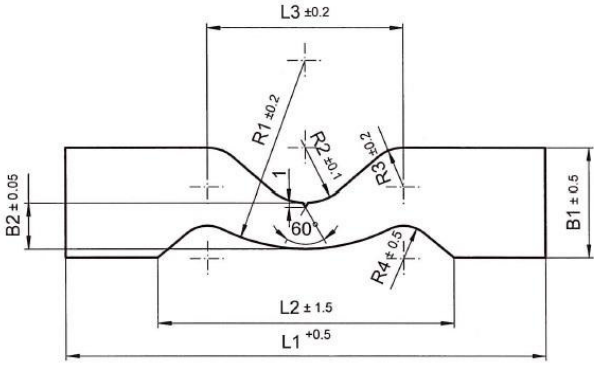
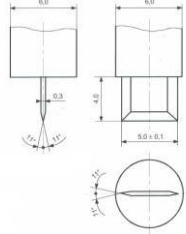
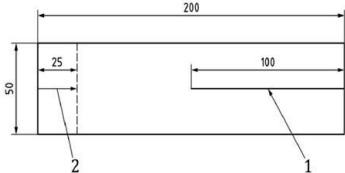
The punch dies by default are delivered as follows: punching die 28 mm height, complete with cover plate 12 mm, mounting spigot  $\varnothing$  20 mm and spring ejector. Customized punch dies are available on request.

Standard	Item no.	Drawing
DIN EN ISO 527-2 Type 1A <i>identically constructed:</i> EN ISO 3167 Type A BS 2782-3 Fig.3	34-000	
DIN EN ISO 527-2 Type 1A New dimensions 2012-06	34-000-006	

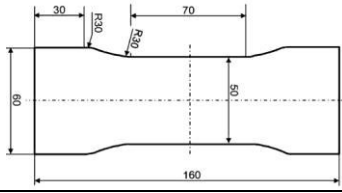
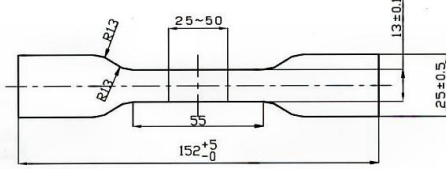
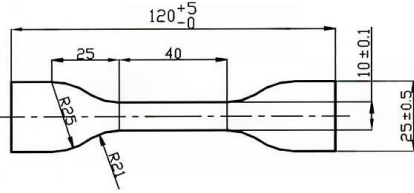
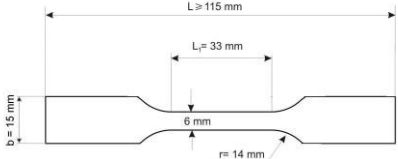
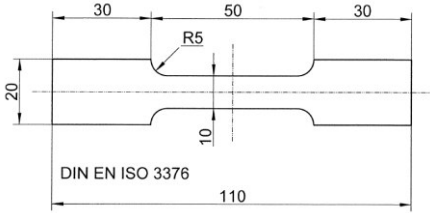
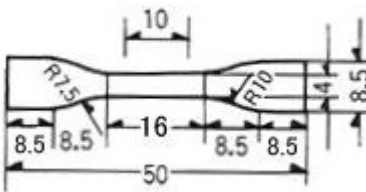
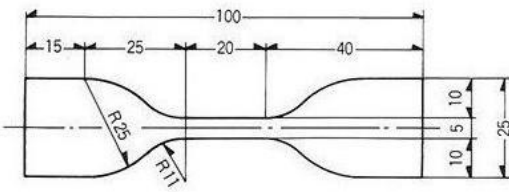
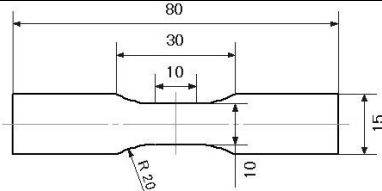


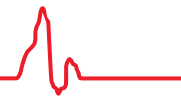
<p>DIN EN ISO 527-2 Type 1B  <i>identically constructed:</i>          EN ISO 3167 Type B          ISO 6259 Type 1          DIN 53455 Nr.3          BS 2782-3 Fig.2          GOST 11 262 – 80 Type 2</p>	<p>34-001</p>	
<p>DIN EN ISO 527-2 Type 1BA</p>	<p>34-002</p>	
<p>DIN EN ISO 527-2 Type 1BB</p>	<p>34-003</p>	
<p>DIN EN ISO 527-2 Type 5A  <i>identically constructed:</i>          DIN 53504 Type S2          ISO 37 Type 2          GOST 270 Type III          IEC 60811-501:2012 – Fig. 1</p>	<p>34-004</p>	
<p>DIN EN ISO 527-2 Type 5B  <i>identically constructed:</i>          DIN 53504 Type S3          ISO 37 Type 4</p>	<p>34-005</p>	
<p>DIN EN ISO 527-3 Type 2          for specimen 150x15 mm</p>	<p>34-006</p>	
<p>DIN EN ISO 527-3 Type 4</p>	<p>34-007</p>	
<p>DIN EN ISO 527-3 Type 5  <i>identically constructed:</i>          ISO 6259 Type 2          ISO 37-1 Type 1          DIN 53504 Type S1          DIN 53455 Nr.4          BS 2782-3 Fig.1          ASTM D 412 Die C          GOST 11 262 – 80 Type 1          ISO/DIS 3604, Figure 1          EN 12311-2, Procedure B</p>	<p>34-008</p>	
<p>DIN ISO 34-1 Figure 1          Method A          (Streifenprobe/          Trouser Test piece)  <i>identically constructed:</i>          DIN 53507          ISO 8067 Method A</p>	<p>34-020</p>	



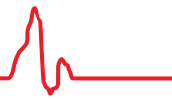
<p>DIN ISO 34-1 Figure 2 Method B, Verfahren a (Angle test specimen, without Slit) <i>identically constructed:</i> ASTM D1004 ISO 8067 Method B</p>	<p>34-021</p>	
<p>DIN ISO 34-1 Figure 2 Method B, Verfahren b (Angle test specimen, with Slit) <i>identically constructed:</i> DIN 53515 (Graves-Probe)</p>	<p>34-022</p>	 <p>Key 1 location of risk for method B, procedure (b)</p> <p>Figure 2 --- Angle test piece die</p>
<p>DIN ISO 34-1 Figure 3 (arc-shaped specimen, with 1 mm Slit, Crescent Test Piece)</p>	<p>34-023</p>	
<p>DIN ISO 34-1 Figure 3 (arc-shaped specimen, without Slit)</p>	<p>34-023-100</p>	
<p>DIN ISO 34-2 (Delft specimen with Slit) <i>identically constructed:</i> ISO 816</p>	<p>34-024</p>	
<p>DIN ISO 34-2 <u>Only for Slit</u> Delft specimen</p>	<p>34-024-002</p>	
<p>DIN ISO 34-2 (Delft specimen with Slit) <i>identically constructed:</i> ISO 816</p>	<p>34-024-003</p>	
<p>DIN EN ISO 4674-1 Method B (200 x 50 mm with 100 mm slit)</p>	<p>34-027</p>	

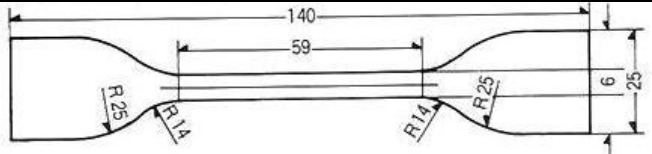
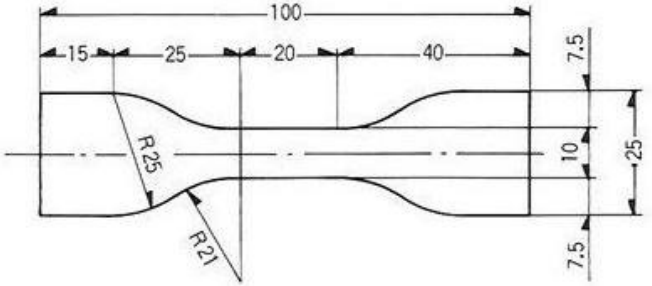

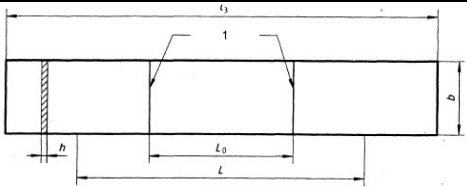


VW TL 52654	34-028	
DIN EN ISO 1798 Type 1 <i>identically constructed:</i> DIN 53571 Type A GMI 60283, Part 2, Type S2	34-030	
DIN EN ISO 1798 Type 1A	34-031	
ISO/DIS 3604, Figure 2	34-032	
DIN EN ISO 8256 Type 5	34-033	
Rectangular form, DIN EN ISO 3376 Length 110 mm	34-034	
ISO 37 Type 3 <i>identically constructed:</i> DIN 53504 Type S3A	34-050	
ISO 37 Type 1A  <i>identically constructed:</i> DIN 53504-S1A JIS K6251-3 JIS K63013 JIS K7311	34-052	
DIN EN ISO 8256 Type 3  <i>identically constructed:</i> JIS K7160-3 GB/T 13525-92 Type A	34-056	



JANAF Sample	34-057	
ASTM D 638, Type 1	34-100	
ASTM D 638, Type IV Identically constructed: ASTM D 6693 - 04 Type IV	34-101	
ASTM D 2209-10 (Tensile Strength Leather)	34-102	
ASTM D 624, Die B (arc-shaped specimen, with 0.5 mm Slit, Crescent Test Piece)	34-103	
ASTM D 412 Type A	34-104	
ASTM D 638, Type V Identically constructed: ASTM D 1822 L	34-106	
HD 605 S2: 2008	34-107	
DIN EN ISO 1926 – Fig. 1	34-109	

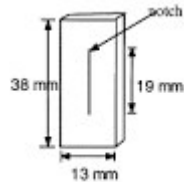
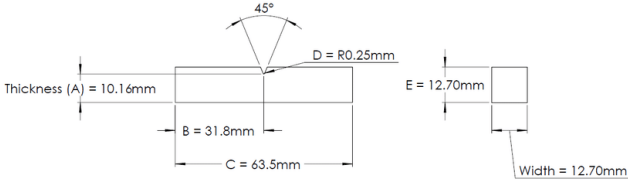
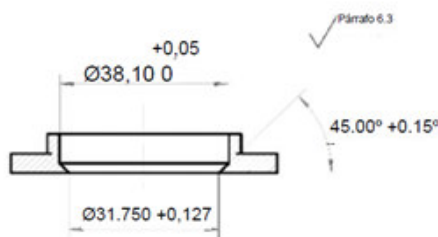


ASTM D412 Type B	34-110	
JIS K6251-2 / JIS 6301-2	34-140	
GOST 270 Type II	34-150	
GOST 262-93	34-160	
DIN EN ISO 75, ISO 178, ISO 180 Rectangular form, L X W: 80 x 10 mm	34-200	
ISO 4589-2, Specimen I: 80 to 150 mm x 10 ± 0.5 mm x 4 ± 0.25 mm (LxWxH)		
Rectangular form, L X W: 100 x 25 mm	34-201	
Rectangular form, L X W: 300 x 50 mm	34-202	
Rectangular form, ISO 527-3 Type 2 L X W: 150 x 10 mm	34-203	
Rectangular form, L X W: 210 x 148 mm	34-204	
Rectangular form, L X W: 40 x 40 mm	34-205	
Rectangular form, L X W: 50 x 50 mm	34-206	
Rectangular form, L X W: 100 x 100 mm	34-207	
Rectangular form, L X W: 50 x 20 mm	34-209	
Rectangular form, ASTM D882 L X W: 150 x 25,4 mm	34-210	
Rectangular form, L X W: 150 x 15 mm	34-211	
Rectangular form, L X W: 125 x 13 mm UL 94 IEC/DIN EN 60695-11-10 CSA C 22.2	34-212	



Rectangular form, L X W: 100 x 5 mm	34-213	
Rectangular form, L X W: 140 x 10 mm	34-214	
Rectangular form, L X W: 30 x 10 mm	34-215	
Rectangular form, DIN EN ISO 179-2 L X W: 50 x 6 mm	34-216	
Rectangular form, L X W: 150 x 20 mm	34-217	
Rectangular form, ISO 32100 45 x 70 mm	34-218	
Square form, L X W: 30 x 30 mm	34-219	
Rectangular form, L X W: 80 x 6 mm	34-220	
Rectangular form, L X W: 100 x 10 mm	34-221	
Rectangular form, ASTM D 6110 127 x 12.7 mm  Identically constructed: ASTM D790	34-222	
ISO 812 Type A (Low temperature brittleness) <i>identically constructed:</i> ASTM D746 (I)	34-223	
DIN ISO 2285:2019, Figure 2 „Streifenprobekörper mit verbreiterten Enden“  ISO 2285:2019, Figure 2 Test piece with enlarged ends	34-228	<p>Thickness 2 mm ± 0.2 mm</p>



Rectangular form, ASTM D1693 (ESCR) 38±2.5 x 13±0.08mm	34-230	
Rectangular form, ASTM D256A 63.5 x 12.7 mm	34-234	
Rectangular form, Trouser specimen L X W: 150 x 20 mm with slit 50 mm	34-237	
Rectangular form, ISO 1432, 40 x 3 mm	34-239	
Round form Ø 40 mm	34-250	
DIN EN ISO 815, Form A Round form Ø 29 mm <i>identically constructed:</i> DIN 53517, Specimen II	34-251	
DIN EN ISO 815, Form B Round form Ø 13 mm <i>identically constructed:</i> DIN 53517, Specimen I	34-252	
ASTM D 792 - Density of plastics Round form Ø 30 mm (sample thickness: > 1,5 mm)	34-253	
Round form Ø 50 mm	34-254	
Round form Ø 16 mm	34-255	
Round form Ø 26 mm	34-256	
Round form Ø 38.1 mm DIN EN ISO 12947-1	34-260	
Round form Ø 16.2 mm ISO 4649	34-266	
Round form Ø 38 mm	34-267	
Round form Ø 36.6 mm	34-268	
Round form Ø 33.86 mm	34-269	
Round form Ø 112.86 mm	34-270	
Round form Ø 16 mm	34-271	



<p>DIN ISO 2285:2019, Figure 3 Streifenprobekörper für konstante Spannung</p> <p>ISO 2285:2019, Figure 3 Test piece for constant loading</p>	<p>34-280</p>	
<p>ISO 812 Type B (Low temperature brittleness) <i>identically constructed:</i> ASTM D746 (II) BS ISO 812</p>	<p>34-500</p>	
<p>ISO 6383-2 (Elmendorf Tear Test, with slit) <i>identically constructed:</i> ASTM D 1922</p>	<p>34-501</p>	
<p>ISO 6383-2 (Elmendorf Tear Test, without slit) <i>identically constructed:</i> ASTM D 1922</p>	<p>34-502</p>	