

74000 - 74001

Arch punches DIN 7200 A

Type

Special steel, drop-forged, with polished punch, enamelled. Marking in compliance with DIN punched into metal material for long-lasting reading.

Application

For punching cardboard, leather, plastics, sealing rings, etc.

74000 301

Type

2-30 mm Ø, with increments of 2 mm, in wooden box.

74000 302

Type

With 1 ea. 3 / 5 / 6 / 8 / 10 / 12 / 13 / 14 / 16 / 19 / 22 and 25 mm Ø, in synthetic leather bag.

74000 303

Type

With 1 ea. 3 / 6 / 8 / 10 / 12 / 16 / 20 and 25 mm Ø, in plastic pouch.

74001

Arch punch, single.

74000 301



74000 302



74001



74000 303



Sets

| Set contents | 74000 | ... |
|--------------|-------|-----|
| 15-part | 301 | |
| 12-part | 302 | |
| 8-part | 303 | |

single

| Hole diameter mm | 74001 | ... |
|------------------|-------|-----|
| 1 | 101 | |
| 2 | 102 | |
| 3 | 103 | |
| 4 | 104 | |
| 5 | 105 | |
| 6 | 106 | |
| 7 | 107 | |
| 8 | 108 | |
| 9 | 109 | |
| 10 | 110 | |
| 11 | 111 | |
| 12 | 112 | |
| 13 | 113 | |
| 14 | 114 | |
| 15 | 115 | |
| 16 | 116 | |
| 17 | 117 | |
| 18 | 118 | |

| Hole diameter mm | 74001 | ... |
|------------------|-------|-----|
| 19 | 119 | |
| 20 | 120 | |
| 21 | 121 | |
| 22 | 122 | |
| 23 | 123 | |
| 24 | 124 | |
| 25 | 125 | |
| 26 | 126 | |
| 27 | 127 | |
| 28 | 128 | |
| 29 | 129 | |
| 30 | 130 | |
| 31 | 131 | |
| 32 | 132 | |
| 33 | 133 | |
| 34 | 134 | |
| 35 | 135 | |
| 36 | 136 | |

| Hole diameter mm | 74001 | ... |
|------------------|-------|-----|
| 37 | 137 | |
| 38 | 138 | |
| 39 | 139 | |
| 40 | 140 | |
| 42 | 142 | |
| 44 | 144 | |
| 45 | 145 | |
| 46 | 146 | |
| 48 | 148 | |
| 50 | 150 | |
| 52 | 152 | |
| 60 | 156 | |
| 65 | 157 | |
| 70 | 158 | |
| 75 | 159 | |
| 80 | 160 | |

74010

Revolving punch pliers

Type

With locking device, made of sheet-steel, 6 punches 2-5 mm Ø.

Application

For punching cardboard, leather, cloth, rubber, etc.

74010



| Length mm | 74010 | ... |
|-----------|-------|-----|
| 240 | 101 | |

• Punches • Hole, ring and seal cutters • Sheet metal punches

74040 **Punching Tool Sets**



Type
Heavy-duty impact holder with easy-to-exchange punching dies. By mounting 2 punching dies of any size, it is possible to manufacture precise sealing rings in one operation. Clearly arranged in rugged metal case.

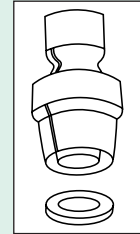
Application
Can be used as arch punches as well as for manufacturing sealing rings made of leather, rubber, cardboard, felt, plastics, cork etc.

Quality
Special steel.

74040 101
Type
11-part, consists of:
1 impact holder, 10 punching dies 3 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 mm.

74040 102
Type
21-part, consists of:
1 impact holder, 20 punching dies 3 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26 / 28 / 30 / 32 / 34 / 36 / 38 / 40 mm.

74040 103
Type
33-part, consists of:
1 hole cutter, 2 impact holders, 30 punching dies 3 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24 / 26 / 28 / 30 / 32 / 34 / 36 / 38 / 40 / 42 / 44 / 46 / 48 / 50 / 52 / 54 / 56 / 58 / 60 mm.



| | | |
|--------------|-------|-----|
| Set contents | 74040 | ... |
| 11-part | 101 | |
| 21-part | 102 | |
| 33-part | 103 | |



74040 101



74040 102



74040 103

74100 - 74102 **Hole cutters**

Type
Polished prism rail with mm scale graduation. Adjustable blade holders and special blade.

Application
For the quick and precise creation of seals and sealing rings made of cardboard, leather, rubber, plastics, etc.

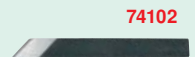
74100
With 1 blade.

74101
With 2 blades. For quickly cutting seals.

74102
Spare blade.



74100



74102

| | With 1 blade | With 2 blades | Spare blades |
|----------|--------------|---------------|--------------|
| for Ø | 74100 | 74101 | 74102 |
| up to mm | ... | ... | ... |
| 200 | 201 | | 101 |
| 400 | | 202 | 101 |

74120 - 74121 **Ring and seal cutters**

74120
Type
Cutting base, centring pin, blade and punch. For cutting up to 300 mm outside Ø and up to 25 mm inside Ø.

Application
For effectively cutting out sealing rings from any cuttable material such as rubber, plastics, cardboard, leather etc. up to approx. 6 mm thickness, depending on material.

74121
Spare blade.



74121



74120

| | Spare blades | |
|-------------------|--------------|-------|
| Weight approx. kg | 74120 | 74121 |
| 1,5 | 101 | 102 |

74125

Ring and seal cutting machines

74125 101

Type

With crank handle, without electric drive.

Accessories:

1 cutting base 400 mm Ø, thickness 3 mm, 1 round blade, 1 punch.

Application

For effectively cutting out sealing rings – even repetitive application – from any cuttable material such as rubber, PTFE, PVC, cardboard, leather, etc.

up to a thickness of approx. 9 mm, depending on material.

74125 102

Spare blade.



74125 101

Technical specifications:

| | |
|---------------------------|---------------------|
| ▶ L x H x W | 1100 x 250 x 170 mm |
| ▶ Weight | 6,5 kg |
| ▶ Cutting speed | 5,5-6,5 m/min |
| ▶ Ring diameter min.-max. | approx. 80-1250 mm |
| ▶ Ring width min.-max. | approx. 1-160 mm |
| ▶ Cutting depth max. | approx. 9 mm |

74125 102



| | | |
|--------------|-------|-----|
| | 74125 | ... |
| Cutter | 101 | |
| Spare blades | 102 | |

74330 - 74331

Sheet metal punches TRISTAR

74330

Sheet metal punch

Type

Sheet metal punch with top die, which cuts the cut-out piece into three identical pieces. The punch consists of three parts: top and bottom die and the ball bearing connecting screw.

Application

With ball bearing screw for manual operation by means of a sanitary wrench or with tension bolt for hydraulic operation.

Pre-drill sheet metal as follows:

Screw Ø 6,0 mm = borehole 6,2-6,5 mm,

Screw Ø 9,5 mm = borehole 9,7-10,0 mm,

Screw Ø 19,0 mm = borehole 19,5-20,0 mm,

74331

Spare ball bearing screws

Application

For sheet metal punches TRISTAR cat.-no. 74330.



74330

74331 101



74331 102



74331 103



74331 104



| Top die Ø mm | for thread size | screw size mmstandard | Max. material thickness steel St. 37 up to mm | Sheet metal punch | | Spare screws | |
|-----------------|--------------------|--------------------------|--|-------------------|-----|--------------|-----|
| | | | | 74330 | ... | 74331 | ... |
| 12,5 | M 12 | 6,0 x 40 | 2 | 101 | | 101 | |
| 16,2 | M 16 | 9,5 x 50 | 2 | 102 | | 102 | |
| 20,4 | M 20 | 9,5 x 50 | 2 | 103 | | 102 | |
| 25,4 | M 25 | 9,5 x 50 | 2 | 104 | | 102 | |
| 32,5 | M 32 | 19,0 x 55 | 2 | 105 | | 103 | |
| 40,5 | M 40 | 19,0 x 75 | 2 | 106 | | 104 | |
| 50,5 | M 50 | 19,0 x 75 | 2 | 107 | | 104 | |
| 63,5 | M 63 | 19,0 x 75 | 2 | 108 | | 104 | |

74333

3-Point Special Punching Tools

Type

Precision type with 3-point contact, which avoids deformation of sheet steel. With 4 marking grooves in bottom die for exact setting at cross hairs.

Application

For St. 37 sheet metal with a thickness of 2 or 3 mm. For punching holes into aluminium, copper, brass, and iron sheeting, plastics, hard fibre, rubber, leather etc. For manual and hydraulic operation.

Note:

Spare tension screws see cat.-no. 74334.



74333

| Punch Ø mm | Punch Ø for PG | Drawing screw threads Ø mm | 74333 | ... |
|---------------|-------------------|-------------------------------|-------|-----|
| 15,2 | 9 | 9,5 | 102 | |
| 16,0 | - | 9,5 | 103 | |
| 16,7 | - | 9,5 | 104 | |
| 17,6 | - | 9,5 | 106 | |
| 18,6 | 11 | 9,5 | 107 | |
| 20,0 | - | 9,5 | 108 | |
| 20,4 | 13 | 9,5 | 110 | |
| 22,0 | - | 9,5 | 111 | |
| 22,5 | 16 | 9,5 | 112 | |
| 24,0 | - | 9,5 | 114 | |
| 25,0 | - | 9,5 | 115 | |
| 28,3 | 21 | 9,5 | 118 | |
| 30,0 | - | 9,5 | 120 | |

| Punch Ø mm | Punch Ø for PG | Drawing screw threads Ø mm | 74333 | ... |
|---------------|-------------------|-------------------------------|-------|-----|
| 31,0 | - | 9,5 | 121 | |
| 32,0 | - | 9,5 | 122 | |
| 35,0 | - | 9,5 | 125 | |
| 37,0 | 29 | 19,0 | 127 | |
| 38,0 | - | 19,0 | 128 | |
| 40,0 | - | 19,0 | 130 | |
| 43,0 | - | 19,0 | 133 | |
| 45,0 | - | 19,0 | 135 | |
| 47,0 | 36 | 19,0 | 137 | |
| 51,0 | - | 19,0 | 142 | |
| 54,0 | 42 | 19,0 | 144 | |
| 60,0 | 48 | 19,0 | 146 | |

• Hydraulic punching tools • Dusting pistols

74334 Spare drawing screws

Application

For 3-point sheet metal punch cat.-no. 74333.

| Tension screw Thread Ø mm | Length of screw mm | 74334 ... |
|------------------------------|-----------------------|-----------|
| 9,5 | 40 | 101 |
| 9,5 | 50 | 102 |
| 19 | 55 | 103 |
| 19 | 75 | 104 |

74334 101



74334 103



74334 102



74334 104



74335 - 74336 Compact hand-operated hydraulic punching tool sets

74335 201

Type

Set consists of:

- 1 hand-operated hydraulic punch made of aluminium (40 % less weight), with overload valve,
- 1 punching die 19,0 mm,
- 1 recessed punching die 19 x 9,5 mm,
- 1 distance-bushing set,
- 1 special-predrill HSS-Co 11 mm, in carrying case.

Application

For punching tools up to:

- 60 mm Ø punch capacity,
- 3mm sheet steel with F = 37kp/mm².

For punching tools up to max.:

- 75 mm Ø punch capacity,
- 2 mm sheet steel with F=37kp/mm².

For punching tools up to:

- 54 mm Ø punch capacity,
 - INOX sheet metal 2,0 mm.
- Ideal for workshop and application in the field.

One-hand operation.

Note:

Suitable sheet metal punches see cat.-no. 74333.
Stronger punches available on request.

74336

Spare parts.

74335



74336 101



74336 102



74336 103



| | 74335 ... | 74336 ... |
|---------------------------|-----------|-----------|
| Hydr. punch set | 201 | |
| Hydr. screw 19 mm Ø | | 101 |
| Hydr. screw 19 x 9.5 mm Ø | | 102 |
| Distance bushing set | | 103 |



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Performance requires quality.

Swivel bases by ATORN:

- high-quality materials
- longest service life
- several different chip geometries

This is but one example of ATORN's high-quality turning tools.

