

# K15



# CHISELS / PUNCHES

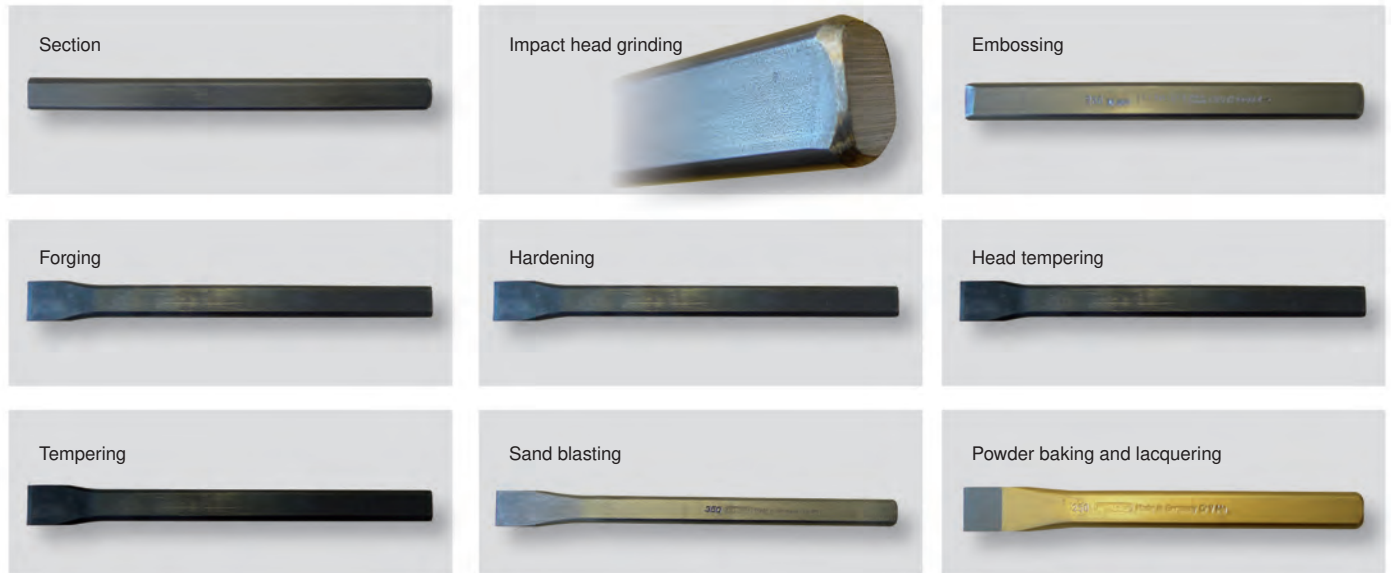


*Innovation is  
our mission!*

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# STRIKING TOOLS

## Manufacturing and fabrication steps



Our chisels are forged professionally, are polished and are sealed with transparent rust protection lacquer. Carefully rounded head forms without sharp corners and edges are similar to the blow radius of the hammer - with big impact surfaces for safe striking.

The special head compensation fights against chipping and burring where the striking and the impact connects with it. Our chisels can be reground without additional remachining up to the blade end.



## Impact head formats

Flat oval



Flat oval extra thin



4-point



8-point



# PUNCHES AND PIN PUNCHES

All split punches and pin punches are manufactured with minus tolerance to avoid getting stuck in holes while driving out pins and bolts.



## Chisel and punch lines

**Flat chisel**



**Tilers flat chisel**



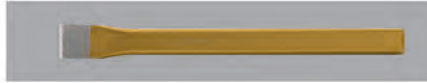
**Slitting chisel**



**Jointing chisel**



**Bricklayers chisel**



**Pointed chisel**



**Electricians chisel**



**Cross chisel**



**Tilers pointed chisel**



**Bodywork slitting chisel**



**Bolster chisel**



**Glassfibre chisel**



**Hand grips**



**Pin punch**



**Pin punch**



**Centre punch**



**Centre punch**



**Scriber**



**Punches**



**Awle**



**Stamp sets**



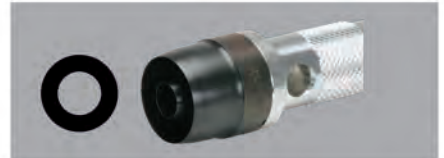
**Gasket ring dismantling tool**



**Handle punch**



**Hole punches**



**Rivet processing tool**



**Flattener**



**Drawbore pins**



**Bending and pry bars**



## FLAT CHISELS

### Flat chisel

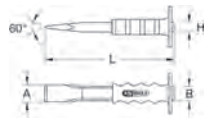
- DIN 6453
- Flat oval form
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0101	100.0	18.0	14.0	9.0	-	80
162.0102	125.0	18.0	14.0	9.0	-	100
162.0103	150.0	21.0	17.0	11.0	-	180
162.0104	175.0	24.0	20.0	12.0	-	280
162.0105	200.0	28.0	23.0	13.0	162.0442	380
162.0106	250.0	28.0	23.0	13.0	162.0442	500
162.0107	300.0	31.0	23.0	13.0	162.0442	600

### Flat chisel with hand grip

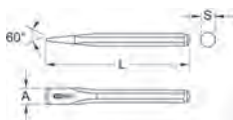
- DIN 6453
- Flat oval form
- Ground point
- Quenched and tempered
- Shaft with gold coated lacquer
- Tip can be resharpened
- Chrome molybdenum



	L mm	A mm	B mm	H mm	
162.0113	250.0	28.0	23.0	13.0	500
162.0114	300.0	31.0	23.0	13.0	600

### Flat chisel

- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm		
162.0211	125.0	13.0	10.0	-	80
162.0212	150.0	15.0	12.0	-	120

### Flat chisel

- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	A mm	S mm		
156.0555	150.0	14.0	10.0	-	90
156.0556	200.0	14.0	10.0	-	110
156.0557	250.0	14.0	10.0	-	150

### Flat chisel

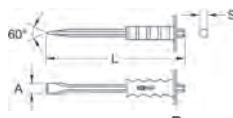
- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	A mm	S mm		
156.0531	250.0	24.0	16.0	162.0445	410
156.0532	300.0	24.0	16.0	162.0445	430
156.0533	350.0	24.0	16.0	162.0445	450
156.0534	400.0	24.0	16.0	162.0445	680

### Flat chisel with hand grip

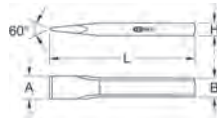
- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	A mm	S mm	
156.0535	250.0	20.0	16.0	640
156.0536	300.0	24.0	16.0	650
156.0537	350.0	22.0	16.0	710

### Flat chisel

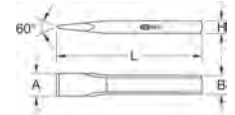
- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with powder coated lacquer
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
156.0585	150.0	15.0	15.0	9.0	-	180
156.0586	200.0	25.0	23.0	13.0	162.0442	320
156.0587	250.0	25.0	23.0	13.0	162.0442	500
156.0588	300.0	25.0	23.0	13.0	162.0442	600

### Flat chisel

- Flat oval form
- Blade can be resharpened
- Quenched and tempered
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
156.0691	125.0	19.0	13.0	8.0	-	81
156.0692	150.0	21.0	14.0	9.0	-	136
156.0693	200.0	27.0	17.0	11.0	-	244
156.0694	250.0	31.0	19.0	12.0	-	411

### Flat chisel set

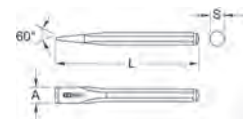
- Flat oval form
- Blade can be resharpened
- Quenched and tempered
- Highly polished
- Chrome molybdenum



156.0690	4 pcs 125x19 - 150x21 - 200x27 - 250x31 mm 970

### Flat chisel

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L mm	A mm	S mm		
156.0162	130.0	12.0	9.0	-	70

### Flat chisel with hand grip

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum

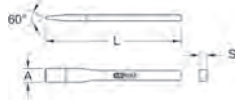


	L mm	A mm	S mm	
156.0241	210.0	20.0	14.0	273

**TILER'S FLAT CHISELS**

**Tilers flat chisel**

- 4 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

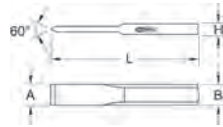


	L mm	A mm	S mm		
162.0311	100.0	10.0	8.0	-	40

**SLITTING CHISEL**

**Slitting chisel**

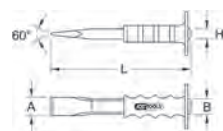
- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0131	230.0	26.0	26.0	7.0	162.0441	285

**Slitting chisel with hand grip**

- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

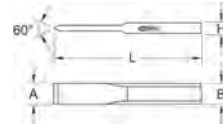


	L mm	A mm	B mm	H mm		
162.0141	230.0	26.0	26.0	7.0	162.0441	285



**Panel beaters slitting chisel, extra thin**

- Flat oval form
- Extra thin
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0421	240.0	26.0	26.0	7.0	162.0443	260

**Slitting chisel with hand grip**

- Flat oval form
- Extra thin
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

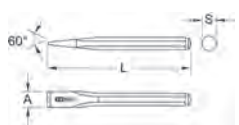


	L mm	A mm	B mm	H mm		
162.0471	240.0	26.0	26.0	7.0	162.0441	370

**JOINTING CHISELS**

**Jointing chisel**

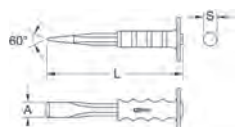
- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm		
162.0151	250.0	25.0	18.0	162.0446	420
162.0152	250.0	100.0	20.0	162.0447	685

**Jointing chisel with hand grip**

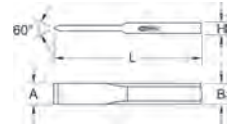
- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm		
162.0161	250.0	25.0	18.0	162.0446	420
162.0162	250.0	100.0	20.0	162.0447	685

**Jointing chisel**

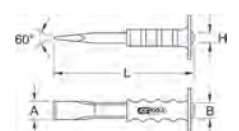
- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0171	250.0	50.0	23.0	13.0	162.0442	500
162.0172	250.0	60.0	26.0	13.0	162.0444	550
162.0173	250.0	70.0	26.0	13.0	162.0444	580

**Jointing chisel with hand grip**

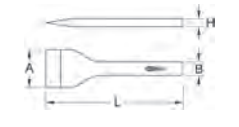
- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0181	250.0	50.0	23.0	13.0	162.0442	500
162.0182	250.0	60.0	26.0	13.0	162.0444	550
162.0183	250.0	70.0	26.0	13.0	162.0444	580

**Jointing chisel**

- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft powder coated lacquer
- Carbon manganese silicon steel



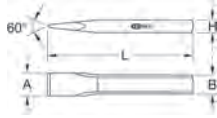
	L mm	A mm	B mm	H mm		
156.0570	205.0	50.0	24.0	12.0	-	300
156.0571	215.0	70.0	24.0	12.0	-	400

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## BRICKLAYERS CHISEL

### Bricklayers chisel

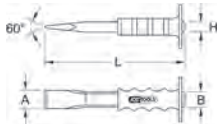
- DIN 7254 form A
- Flat oval form
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0191	200.0	27.0	20.0	12.0	162.0441	310
162.0192	250.0	27.0	20.0	12.0	162.0441	400
162.0193	300.0	31.0	23.0	13.0	162.0442	580
162.0194	350.0	31.0	23.0	13.0	162.0442	720
162.0195	400.0	31.0	23.0	13.0	162.0442	800
162.0196	500.0	33.0	26.0	13.0	162.0444	1160
162.0197	600.0	33.0	26.0	13.0	162.0444	1400
162.0198	800.0	33.0	26.0	13.0	162.0444	1860
162.0199	1000.0	33.0	26.0	13.0	162.0444	2360

### Bricklayers chisel with hand grip

- DIN 7254 form A
- Flat oval form
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0202	250.0	27.0	20.0	12.0	162.0441	400
162.0203	300.0	31.0	23.0	13.0	162.0442	580
162.0204	350.0	31.0	23.0	13.0	162.0442	720
162.0205	400.0	31.0	23.0	13.0	162.0442	800
162.0206	500.0	33.0	26.0	13.0	162.0444	1160
162.0207	600.0	33.0	26.0	13.0	162.0444	1400
162.0208	800.0	33.0	26.0	13.0	162.0444	1860
162.0209	1000.0	33.0	26.0	13.0	162.0444	2360

### Bricklayers chisel

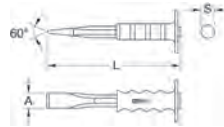
- DIN 7254 form B
- 8 point
- Blade can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm		
162.0481	200.0	27.0	16.0	162.0445	300
162.0482	250.0	27.0	16.0	162.0445	380
162.0483	300.0	30.0	18.0	162.0446	600
162.0484	350.0	30.0	18.0	162.0446	700
162.0485	400.0	30.0	20.0	162.0447	980
162.0486	500.0	30.0	20.0	162.0447	1240

## Bricklayers chisel with hand grip

- DIN 7254 form B
- 8 point
- Ground point
- With hand protection grip
- Quenched and tempered
- Shaft with gold coated lacquer
- Tip can be resharpened
- Chrome molybdenum



	L mm	A mm	S mm	
162.0222	250.0	27.0	16.0	380
162.0223	300.0	30.0	18.0	600
162.0224	350.0	30.0	18.0	700
162.0225	400.0	30.0	20.0	980
162.0226	500.0	30.0	20.0	1240

## POINTED CHISELS

### Pointed chisel

- DIN 7256
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	S mm		
162.0231	200.0	16.0	162.0445	280
162.0232	250.0	16.0	162.0445	360
162.0233	300.0	18.0	162.0446	560
162.0234	350.0	18.0	162.0446	660
162.0235	400.0	20.0	162.0447	940
162.0236	500.0	20.0	162.0447	1200
162.0237	600.0	20.0	162.0447	1480
162.0238	800.0	20.0	162.0447	1960
162.0239	1000.0	20.0	162.0447	2440

### Pointed chisel with hand grip

- DIN 7256
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	S mm	
162.0242	250.0	16.0	360
162.0243	300.0	18.0	560
162.0244	350.0	18.0	660
162.0245	400.0	20.0	940
162.0246	500.0	20.0	1200
162.0247	600.0	20.0	1480
162.0248	800.0	20.0	1960
162.0249	1000.0	20.0	2440

## Pointed chisel

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	S mm		
156.0511	250.0	16.0	162.0445	390
156.0512	300.0	16.0	162.0445	400
156.0513	350.0	16.0	162.0445	450
156.0514	400.0	16.0	162.0445	660

### Pointed chisel with hand grip

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	S mm	
156.0515	250.0	16.0	530
156.0516	300.0	16.0	620
156.0517	350.0	16.0	710
156.0518	400.0	16.0	790

## Pointed chisel

- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with powder coated lacquer
- Carbon manganese silicon steel



	L mm	S mm		
156.0550	150.0	10.0	-	60

## ELECTRICIANS CHISEL

### Electricians chisel

- 4 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

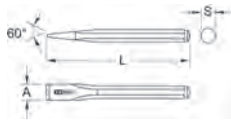


	L mm	A mm	S mm		
162.0251	200.0	8.0	6.0	-	60
162.0252	200.0	10.0	8.0	-	100
162.0253	200.0	12.0	8.0	-	101
162.0254	200.0	12.0	10.0	-	140
162.0255	250.0	10.0	8.0	-	120
162.0256	250.0	12.0	8.0	-	120
162.0257	250.0	12.0	10.0	-	185
162.0258	300.0	12.0	8.0	-	140



**Electricians chisel**

- 8 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

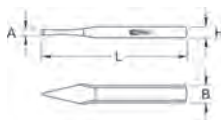


	L mm	A mm	S mm		
162.0261	200.0	12.0	10.0	-	120
162.0262	200.0	14.0	12.0	-	160
162.0263	250.0	12.0	10.0	-	150
162.0264	250.0	14.0	12.0	-	210
162.0265	300.0	12.0	10.0	-	200
162.0266	300.0	14.0	12.0	-	260

**CROSS CHISEL**

**Cross chisel**

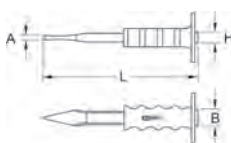
- DIN 6451
- Flat oval form
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0281	100.0	5.0	14.0	9.0	-	60
162.0282	125.0	5.0	14.0	9.0	-	80
162.0283	150.0	6.0	17.0	11.0	-	160
162.0284	175.0	7.0	20.0	12.0	-	240
162.0285	200.0	8.0	23.0	13.0	162.0442	340
162.0286	250.0	8.0	23.0	13.0	162.0442	460
162.0287	300.0	9.0	23.0	13.0	162.0442	560

**Cross chisel with hand grip**

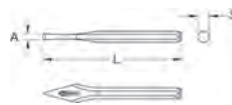
- DIN 6451
- Flat oval form
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm	
162.0293	250.0	8.0	23.0	13.0	460
162.0294	300.0	9.0	23.0	13.0	560

**Cross chisel**

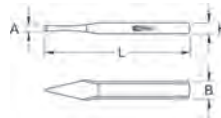
- 8 point
- Quenched and tempered
- Tip can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm		
162.0301	125.0	4.0	10.0	-	60

**Cross chisel**

- Flat oval form
- Quenched and tempered
- Tip can be resharpened
- Black lacquer
- Chrome vanadium



	L mm	A mm	B mm	H mm		
156.0326	200.0	10.0	20.0	10.0	-	330
156.0327	250.0	8.0	23.0	15.0	-	450

**Cross chisel**

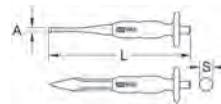
- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L mm	A mm	S mm		
156.0161	130.0	5.0	10.0	-	60

**Cross chisel with hand grip**

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



	L mm	A mm	S mm	
156.0242	190.0	7.0	12.0	169

**TILERS POINTED CHISELS**

**Tilers pointed chisel**

- 4 point
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	S mm		
162.0321	100.0	8.0	-	40
162.0322	200.0	6.0	-	60
162.0323	200.0	8.0	-	100
162.0324	250.0	8.0	-	120
162.0325	250.0	10.0	-	180

**BODYWORK CHISELS**

**Bodywork slitting chisel**

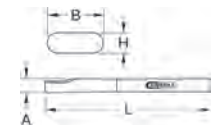
- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	A mm	B mm	H mm		
162.0271	250.0	30.0	23.0	13.0	162.0442	460

**Bodywork slitting chisel**

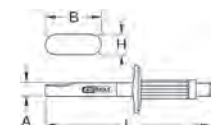
- DIN 7255
- Flat oval form
- Blade can be resharpened
- Extra flat
- Burnished
- Chrome vanadium



	L mm	A mm	B mm	H mm		
140.2162	300.0	21.0	25.0	6.0	-	480

**Bodywork slitting chisel with hand grip**

- DIN 7255
- Flat oval form
- Blade can be resharpened
- Extra flat
- Burnished
- Chrome vanadium

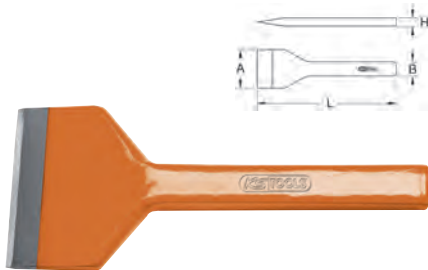


	L mm	A mm	B mm	H mm	
140.2165	300.0	21.0	25.0	6.0	550

## BOLSTER CHISEL

### Bolster chisel

- Flat oval form
- Quenched and tempered
- Blade can be resharpened
- Shaft gold lacquer
- Carbon manganese silicon steel



	L mm	A mm		H mm	
162.0431	200.0	60.0	-	15.0	500
162.0432	200.0	80.0	-	15.0	600
162.0433	220.0	100.0	-	18.0	750
162.0434	220.0	120.0	-	18.0	900

## GLASS FIBRE CHISELS

### Glassfibre chisel

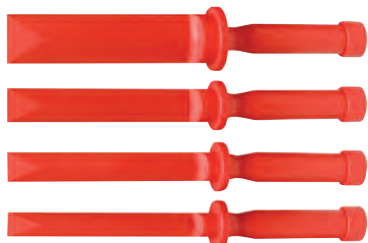
- For paint preserving removal of ornament and window strips and wheel weights on aluminium rims
- Flexible chisel blade
- Impact cap for light impacts
- Ergonomic handle
- Special plastic



	A mm	
911.8131	19.0	130
911.8132	22.0	140
911.8133	26.0	150
911.8134	38.0	180

### Glassfibre chisel set

- For paint preserving removal of ornament and window strips
- Flexible chisel blade
- Impact cap for light impacts
- Ergonomic handle
- Special plastic



911.8130 4 pcs 19 - 22 - 26 - 38 mm	570

## HAND GRIPS

### Hand grip for chisel

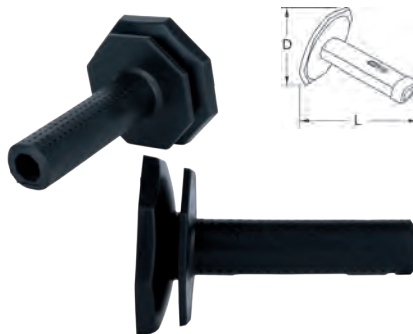
- Standard version
- PVC



	L mm	D mm	Handle size mm	
162.0441	120.0	80.0	20x12	110
162.0442	120.0	80.0	23x13	110
162.0443	120.0	80.0	26x7	110
162.0444	120.0	80.0	26x13	110
162.0445	120.0	80.0	16	110
162.0446	120.0	80.0	18	110
162.0447	120.0	80.0	20	110

### Safety hand grip for chisel

- Double hand protection
- PVC



	L mm	D mm	Handle size mm	
162.2128	140.0	100.0	23x13	170
162.2129	140.0	100.0	20	170
162.2130	140.0	100.0	26x7	170
162.2132	140.0	100.0	26x13	170

## PIN PUNCHES

### Pin punch

- DIN 6458 form B
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm		
162.0331	120.0	1.0	10.0	-	65
162.0332	120.0	2.0	10.0	-	65
162.0333	120.0	3.0	10.0	-	65
162.0334	120.0	4.0	10.0	-	65
162.0335	120.0	5.0	10.0	-	65
162.0336	120.0	6.0	10.0	-	65

### Pin punch

- DIN 6458 form D
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm		
162.0341	120.0	1.0	12.0	-	85
162.0342	120.0	2.0	12.0	-	85
162.0343	120.0	3.0	12.0	-	85
162.0344	120.0	4.0	12.0	-	90
162.0345	120.0	5.0	12.0	-	90
162.0346	120.0	6.0	12.0	-	90
162.0347	120.0	7.0	12.0	-	95
162.0348	120.0	8.0	12.0	-	95
162.0349	120.0	9.0	12.0	-	100
162.0350	120.0	10.0	12.0	-	105
162.0352	150.0	12.0	16.0	-	220

### Pin punch with hollow tip

- DIN 6458
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm		
162.0461	120.0	1.0	10.0	-	65
162.0462	120.0	2.0	10.0	-	65
162.0463	120.0	3.0	10.0	-	65
162.0464	120.0	4.0	10.0	-	65
162.0465	120.0	5.0	10.0	-	65
162.0466	120.0	6.0	10.0	-	65

### Truck punch

- Conical tapered point
- Universal use
- For extracting cotter pins, bolts, bearing rings, etc.
- Ideally suited for daily workshop use
- High quality and substantial construction
- Premium tempered and hardened steel
- Special steel



	Ø mm	L mm	
450.0091	6,4	300.0	390
450.0092	6,4	380.0	730
450.0093	8,0	300.0	410
450.0094	13,0	460.0	1310

**Punch set for trucks**

- Conical tapered point
- Universal use
- For extracting cotter pins, bolts, bearing rings, etc.
- Ideally suited for daily workshop use
- High quality and substantial construction
- Premium tempered and hardened steel
- Special steel



450.0090	4 pcs	6,4 - 6,4 - 8,0 - 13,0 mm	2,91
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**Pin punch**

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L mm	D mm	S mm		
156.0130	120.0	2.0	9.5	-	60
156.0131	120.0	3.0	9.5	-	60
156.0132	120.0	4.0	9.5	-	60
156.0133	120.0	5.0	9.5	-	60
156.0134	120.0	6.0	9.5	-	60

**Pin punches with hand grip**

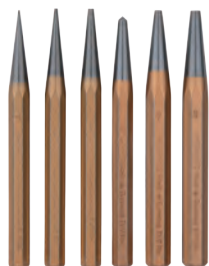
- 8 point
- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm	
156.0244	185.0	5.0	10.0	115

**Pin punch set**

- DIN 6458 Form B+D
- 8-point
- Quenched and tempered
- Tip can be re-sharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum
- In a plastic bag



162.2126	6 pcs	120x10x1 - 120x10x2 - 120x10x3 - 120x10x4 - 120x10x5 - 120x10 mm	710
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**Pin punch set**

- DIN 6458 Form B+D
- 8-point
- Quenched and tempered
- Tip can be re-sharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum
- In plastic stands



162.2127	6 pcs	120x10x1 - 120x10x2 - 120x10x3 - 120x10x4 - 120x10x5 - 120x10 mm	710
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**Pin punch set**

- DIN 6458 Form B+D
- 8-point
- Quenched and tempered
- Tip can be re-sharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum
- In metal storage cassette

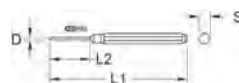


162.2124	6 pcs	120x10x1 - 120x10x2 - 120x10x3 - 120x10x4 - 120x10x5 - 120x10 mm	710
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**COTTER PIN DRIVES**

**Cotter pin drive, long**

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L1 mm	L2 mm	D mm	S mm		
162.0391	175.0	80.0	3.0	10.0	-	60
162.0392	175.0	80.0	4.0	10.0	-	70
162.0393	175.0	80.0	5.0	10.0	-	80
162.0394	175.0	80.0	6.0	10.0	-	90
162.0395	175.0	80.0	8.0	12.0	-	140
162.0396	175.0	80.0	10.0	12.0	-	150

**Pin punches with hand grip**

- Round
- Quenched and tempered
- Tip can be resharpened
- Burnished
- Chrome vanadium



	L1 mm	L2 mm	D mm	S mm	
156.0026	270.0	110.0	6.0	10.0	130
156.0028	300.0	130.0	8.0	12.0	220
156.0030	300.0	140.0	10.0	12.0	250
156.0032	300.0	140.0	12.0	14.0	340
156.0034	300.0	140.0	14.0	16.0	450

**Pin punch set with hand protection grip**

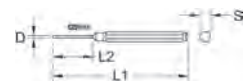
- Quenched and tempered
- Tip can be resharpened
- Burnished
- Chrome vanadium
- In metal stand with the possibility of wall hanging



156.0020	5 pcs	270x6 - 300x8 - 300x10 - 300x12 - 300x14 mm	2,70
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**Pin punch, extra long**

- 8 point
- Quenched and tempered
- Tip can be resharpened
- Shaft with gold coated lacquer
- Chrome molybdenum

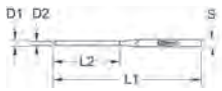


	L1 mm	L2 mm	D mm	S mm		
162.0401	200.0	40.0	2.0	10.0	-	82
162.0402	200.0	50.0	3.0	10.0	-	90
162.0403	200.0	55.0	4.0	10.0	-	92
162.0404	200.0	55.0	5.0	10.0	-	96
162.0405	200.0	55.0	6.0	12.0	-	100
162.0406	200.0	55.0	8.0	12.0	-	150
162.0407	200.0	55.0	10.0	12.0	-	165

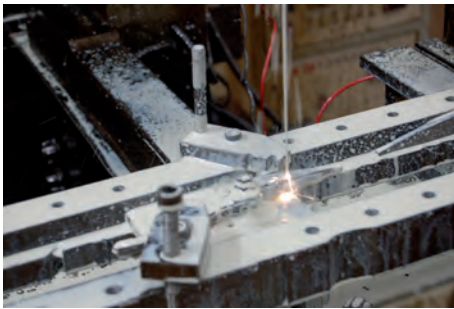
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### Brake pad cotter pin drive with guide tip

- 8-point
- Extra-long execution
- Quenched and tempered
- With guide pin for locking pins
- Suitable for locking pins on vehicles with disk brakes
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum

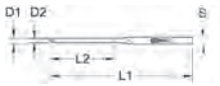


	L1 mm	L2 mm	D1 mm	D2 mm	S mm		
162.0411	175.0	85.0	4.0	2.7	10.0	-	60
162.0412	175.0	85.0	6.0	3.8	10.0	-	70



### Brake pad cotter pin drive with guide tip

- 6-point
- Extra-long execution
- Quenched and tempered
- 150.2151 with guide pin for locking pins
- Suitable for locking pins on vehicles with disk brakes
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L1 mm	L2 mm	D1 mm	D2 mm	S mm		
150.2150	180.0	80.0	4.0	-	10.0	-	70
150.2151	175.0	80.0	5.8	3.1	10.0	-	70

### Pin punch with hand protection grip

- Round
- Quenched and tempered
- Tip can be resharpened
- Burnished
- Chrome vanadium



	L1 mm	L2 mm	D mm	S mm	
156.0002	130.0	30.0	3.0	8.0	50
156.0003	145.0	40.0	3.0	8.0	60
156.0004	180.0	50.0	4.0	8.0	100
156.0005	180.0	60.0	5.0	10.0	100
156.0006	205.0	80.0	6.0	10.0	130
156.0008	225.0	85.0	8.0	12.0	150
156.0010	225.0	90.0	10.0	12.0	200

### Pin punch set with hand protection grip

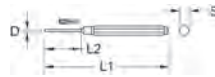
- With wall mounting possibility
- Tip can be resharpened
- Quenched and tempered
- Burnished
- Chrome vanadium
- In metal stand



156.0000	5 pcs 145x3 - 180x4 - 180x5 - 205x6 - 225x8 mm 650

### Pin punch

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L1 mm	L2 mm	D mm	S mm		
156.0111	115.0	30.0	2.0	8.0	-	40
156.0112	125.0	40.0	3.0	8.0	-	40
156.0113	150.0	50.0	4.0	9.5	-	60
156.0114	165.0	50.0	5.0	9.5	-	70
156.0115	180.0	55.0	6.0	12.7	-	140
156.0116	180.0	55.0	8.0	12.7	-	150

### Pin punch set

- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium
- In plastic support bracket



156.0150	6 pcs 115x2 - 125x3 - 150x4 - 165x5 - 180x6 - 180x8 mm 520

### Pin punch, extra long

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L1 mm	L2 mm	D mm	S mm		
156.0121	200.0	80.0	3.0	9.5	-	70
156.0122	200.0	85.0	4.0	9.5	-	70
156.0123	200.0	90.0	5.0	9.5	-	80
156.0124	200.0	93.0	6.0	9.5	-	80
156.0125	200.0	93.0	8.0	12.7	-	150
156.0126	200.0	93.0	10.0	12.7	-	170

### Pin punch set

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium
- In metal stand with the possibility of wall hanging



156.0180	17 pcs Pin punch set 1.00

### consists of:

156.0111	Punch, octagonal, mirror polished, Ø 2mm 40
156.0112	Punch, octagonal, mirror polished, Ø 3mm 40
156.0113	Punch, octagonal, mirror polished, Ø 4mm 60
156.0114	Punch, octagonal, mirror polished, Ø 5mm 70
156.0115	Punch, octagonal, mirror polished, Ø 6mm 140
156.0116	Punch, octagonal, mirror polished, Ø 8mm 150
156.0121	Punch, extra long, octagonal, mirror polished, Ø 3mm 70
156.0122	Punch, extra long, octagonal, mirror polished, Ø 4mm 70
156.0123	Punch, extra long, octagonal, mirror polished, Ø 5mm 80
156.0124	Punch, extra long, octagonal, mirror polished, Ø 6mm 80
156.0125	Punch, extra long, octagonal, mirror polished, Ø 8mm 150
156.0126	Punch, extra long, octagonal, mirror polished, Ø 10mm 170
156.0130	Punch, mirror polished, Ø 2mm 60
156.0131	Punch, mirror polished, Ø 3mm 60
156.0132	Punch, mirror polished, Ø 4mm 60
156.0133	Punch, mirror polished, Ø 5mm 60
156.0134	Punch, mirror polished, Ø 6mm 60

**Combi tool set**

- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium
- In plastic support bracket



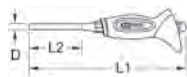
<b>156.0160</b>	5 pcs	Combi tool set	360
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consists of:

<b>156.0113</b>	Punch, octagonal, mirror polished, Ø 4mm	60
<b>156.0131</b>	Punch, mirror polished, Ø 3mm	60
<b>156.0175</b>	Center punch, octagonal, mirror polished, Ø 5mm	60
<b>156.0162</b>	Flat chisel, octagonal, mirror polished, 130mm	70
<b>156.0161</b>	Cross chisel, mirror polished, 130mm	60

**Pin punches with hand grip**

- Round
- Quenched and tempered
- With two component handle
- Tip can be re-sharpened
- Tip polished, shaft burnished
- Chrome vanadium



	D mm	L1 mm	L2 mm	S mm	g
<b>156.0211</b>	2.0	150.0	30.0	10.0	100
<b>156.0212</b>	3.0	150.0	40.0	10.0	100
<b>156.0213</b>	4.0	150.0	55.0	10.0	100
<b>156.0214</b>	5.0	150.0	60.0	10.0	100
<b>156.0215</b>	6.0	150.0	60.0	10.0	100
<b>156.0216</b>	7.0	150.0	60.0	12.0	110
<b>156.0217</b>	8.0	150.0	60.0	12.0	110
<b>156.0218</b>	9.0	150.0	60.0	12.0	110
<b>156.0219</b>	10.0	150.0	60.0	12.0	130

**Pin punch set with hand protection grip**

- Round
- Quenched and tempered
- With two component handle
- Tip can be re-sharpened
- Tip polished, shaft burnished
- Chrome vanadium



<b>156.0220</b>	5 pcs	3 - 4 - 5 - 6 - 8 mm	800
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**Pin punch, cylindrical shaft**

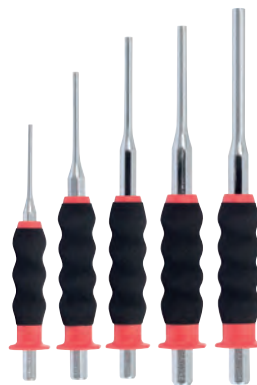
- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



	L1 mm	L2 mm	D mm	S mm	g
<b>156.0231</b>	150,0	50,0	3,0	8,0	52
<b>156.0232</b>	180,0	61,0	4,0	10,0	93
<b>156.0233</b>	200,0	61,0	5,0	10,0	109
<b>156.0234</b>	210,0	71,0	6,0	12,0	160
<b>156.0235</b>	220,0	85,0	8,0	12,0	172

**Punch set, cylindrical shaft**

- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



<b>156.0230</b>	5 pcs	3 - 4 - 5 - 6 - 8 mm	715
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**Chisel and punch set**

- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



<b>156.0240</b>	5 pcs	Chisel and punch set	370
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consists of:

		g
<b>156.0232</b>	Cotter pin drive Ø 4 mm, cylindrical	93
<b>156.0241</b>	Flat chisel, 20 mm, 8-point	273
<b>156.0242</b>	Cross chisel, 7 mm, 8-point	169
<b>156.0243</b>	Centre punch, 10 mm, 8-point	118
<b>156.0244</b>	Punch, Ø 5 mm, conical	115

**Cotter pin drive with guide sleeve**

- Guide sleeve, coded
- Ø 0.9 to 4.9 mm with loose guide sleeve
- Ø 5.9 mm with fixed sleeve
- Highly polished
- Chrome vanadium



	L mm	D mm	S mm	g
<b>162.2249</b>	70.0	0.9	5.0	15
<b>162.2250</b>	80.0	1.4	6.0	21
<b>162.2251</b>	83.0	1.8	6.0	21
<b>162.2252</b>	92.0	2.4	7.0	30
<b>162.2253</b>	94.0	2.8	7.0	30
<b>162.2254</b>	100.0	3.4	8.0	35
<b>162.2255</b>	100.0	3.9	8.0	35
<b>162.2256</b>	110.0	4.9	10.0	45
<b>162.2257</b>	115.0	5.9	12.0	68

**Cotter pin drive set with guide sleeve**

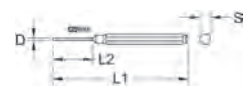
- Guide sleeve, coded
- Ø 0.9 to 4.9 mm with loose guide sleeve
- Ø 5.9 mm with fixed sleeve
- Highly polished
- Chrome vanadium
- In a plastic bag



<b>162.2310</b>	8 pcs	70x0,9 - 80x1,4 - 83x1,8 - 92x2,4 - 94x2,8 - 100x3,4 - 100x3,9 - 115x5,9 mm	520
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**Pin punch**

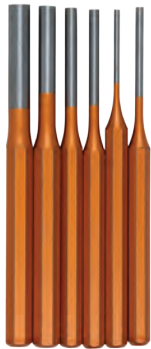
- DIN 6450 form C
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L1 mm	L2 mm	D mm	S mm	g
<b>162.0371</b>	150.0	35.0	2.0	10.0	60
<b>162.0372</b>	150.0	40.0	2.5	10.0	60
<b>162.0373</b>	150.0	40.0	3.0	10.0	60
<b>162.0374</b>	150.0	40.0	3.5	10.0	65
<b>162.0375</b>	150.0	50.0	4.0	10.0	65
<b>162.0376</b>	150.0	50.0	4.5	10.0	65
<b>162.0377</b>	150.0	50.0	5.0	10.0	65
<b>162.0378</b>	150.0	50.0	6.0	10.0	70
<b>162.0379</b>	150.0	55.0	7.0	10.0	95
<b>162.0380</b>	150.0	55.0	8.0	12.0	100
<b>162.0381</b>	150.0	55.0	9.0	12.0	110
<b>162.0382</b>	150.0	55.0	10.0	12.0	115
<b>162.0383</b>	150.0	55.0	12.0	16.0	170

### Pin punch set

- Quenched and tempered
- Tip can be re-sharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum
- In a plastic bag



162.2122	6 pcs	150x10x3 - 150x10x4 - 150x10x5 - 150x10x6 - 150x12x8 - 150x12x10 mm	470
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### Pin punch set

- Quenched and tempered
- Tip can be re-sharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome vanadium
- In a plastic holder



162.2123	6 pcs	150x10x3 - 150x10x4 - 150x10x5 - 150x10x6 - 150x12x8 - 150x12x10 mm	470
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### Pin punch set

- Quenched and tempered
- Tip can be resharpened
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum
- In metal storage box



162.0370	6 pcs	150x10x3 - 150x10x4 - 150x10x5 - 150x10x6 - 150x12x8 - 150x12x10mm	750
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### Combination set

- Evenly hardened and carefully tempered through the whole length
- Impact heads inductively tempered
- Working ends polished ground and clear lacquered
- In metal storage cassette



162.2114	6 pcs	Combination set	740
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consists of:

162.0212	Flat chisel, 8-point, 150mm	120
162.0301	Cross chisel, 8-point, 4x125mm	60
162.0361	Centre punch, 8-point, Ø 4mm	65
162.0375	Cotter pin drive, 8-point, Ø 4mm	65
162.0333	Punch, 8-point, Ø 3mm	65
162.0345	Punch, 8-point, Ø 5mm	90

### Combination set

- Evenly hardened and carefully tempered through the whole length
- Impact heads inductively tempered
- Working ends polished ground and clear lacquered
- In a plastic bag



162.2117	6 pcs	Combination set	510
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consists of:

162.0212	Flat chisel, 8-point, 150mm	120
162.0301	Cross chisel, 8-point, 4x125mm	60
162.0361	Centre punch, 8-point, Ø 4mm	65
162.0375	Cotter pin drive, 8-point, Ø 4mm	65
162.0333	Punch, 8-point, Ø 3mm	65
162.0345	Punch, 8-point, Ø 5mm	90

### Combination set

- Evenly hardened and carefully tempered through the whole length
- Impact heads inductively tempered
- Working ends polished ground and clear lacquered
- In a plastic holder



162.2118	6 pcs	Combination set	510
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consists of:

162.0212	Flat chisel, 8-point, 150mm	120
162.0301	Cross chisel, 8-point, 4x125mm	60
162.0361	Centre punch, 8-point, Ø 4mm	65
162.0375	Cotter pin drive, 8-point, Ø 4mm	65
162.0333	Punch, 8-point, Ø 3mm	65
162.0345	Punch, 8-point, Ø 5mm	90

### CENTRE PUNCH

#### Centre punch

- Round
- Quenched and tempered
- Tip can be resharpened
- Black surface finish
- Chrome vanadium

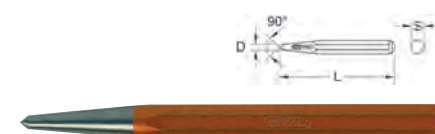


	L mm	D mm	S mm		
156.0340	150.0	5.0	10.0	-	70
156.0342	150.0	6.0	12.0	-	120
156.0344	210.0	7.0	14.0	-	170
156.0346	215.0	8.0	16.0	-	230
156.0348	220.0	9.0	18.0	-	310
156.0350	220.0	10.0	20.0	-	410
156.0352	220.0	11.0	22.0	-	510
156.0354	250.0	12.0	24.0	-	640

### CENTRE PUNCHES

#### Centre punch

- DIN 7250
- 8 point
- Tip can be resharpened
- Quenched and tempered
- Shaft with gold coated lacquer
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm		
162.0361	120.0	4.0	10.0	-	65
162.0362	120.0	5.0	12.0	-	90
162.0363	150.0	5.0	12.0	-	120
162.0364	150.0	6.0	14.0	-	200
162.0365	150.0	8.0	18.0	-	260

**Centre punch**

- Round
- Quenched and tempered
- Burnished
- Chrome vanadium



	L mm	D mm	S mm		
156.0404	100.0	4.0	10.0	-	30
156.0406	115.0	6.0	10.0	-	60
156.0408	120.0	8.0	12.0	-	120
156.0410	130.0	10.0	14.0	-	135

**Centre punch**

- 8 point
- Quenched and tempered
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L mm	D mm	S mm		
156.0175	120.0	5.0	10.0	-	60

**Centre punch with hand grip**

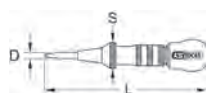
- 8 point
- Quenched and tempered
- Tip can be resharpened
- Highly polished
- Chrome molybdenum



	L mm	D mm	S mm		
156.0243	185.0	10.0	10.0	-	118

**Automatic centre punch**

- Round
- Ergonomic handle
- Power of impact 17-20 kg
- Phosphate finish
- Chrome vanadium



	L mm	D mm	S mm	
156.0466	160.0	4.0	25.0	250

**SCRIBER**

**Scriber**

- For marking of work pieces
- Straight and 70° bent tip
- Knurled handle
- Hardened point
- Burnished
- Special steel



	L mm	D mm	
300.0300	190.0	4.0	10

**Hard metal scriber**

- For marking of workpieces
- Straight and 70° bent tip
- With hard metal tip
- With hardened point
- Special steel



	L mm	D mm	
300.2136	250.0	8.0	46

**Hard metal scriber**

- For marking of workpieces
- Straight and one-sided tip
- With hard metal tip
- With hardened point
- Special steel



	L mm	D mm	
300.2135	170.0	4.0	38

**Hard metal scriber**

- For marking of work pieces
- Straight form
- Hard metal tip
- Pocket clip
- Hardened point
- Chrome plated
- Special steel



	L mm	D mm	
300.0301	145.0	5.0	60
300.2137	150.0	6.0	36

**Hard metal scriber in ball-point pen form**

- For marking of work pieces
- Straight form
- Hardened and interchangeable hard metal tips
- Pocket clip
- Protection through foldaway needle tip
- Adjustable and lead bow mine
- Metal housing



	L mm	D mm	Replacement tip	
300.0302	150.0	8.0	300.0303	40

**Hard metal scriber in ball-point pen form**

- For marking of workpieces
- Straight form
- With hardened and interchangeable hard metal tips
- With pocket clip
- Protection through foldaway needle tip
- With adjustable and lead bow mine
- Metal housing

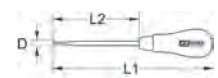


	L mm	D mm	Replacement tip	
300.2138	160.0	8.0	300.2139	22

**PUNCHES**

**Punches**

- Impact cap on the handle end
- Sealed beech wood handle
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium

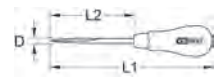


	L1 mm	L2 mm	D mm	
300.1081	190.0	100.0	6.0	70

**AWLE**

**Awle**

- Impact cap on the handle end
- Sealed beech wood handle
- Chrome plated and mirror polished
- Highly polished
- Chrome vanadium



	L1 mm	L2 mm	D mm	
300.1082	190.0	100.0	6.0	70

1  
2  
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27

## STAMP SETS

### Number stamping set

- Lettering to DIN 1451
- Numbers „0 - 9“
- For stamping in materials up to 100 kp / mm<sup>2</sup> resistance
- 4 point shaft
- Font size 5 - 6mm
- Shaft engraved
- In plastic storage box



				kg
156.0467	10 pcs	Number stamping set		0.50

### Letter stamping set

- Lettering to DIN 1451
- Letters „A - Z“
- For stamping in materials up to 100 kp / mm<sup>2</sup> resistance
- 4 point shaft
- Font size 5 - 6mm
- Shaft engraved
- In plastic storage box



				kg
156.0468	27 pcs	Letter stamping set		1.33

### Universal letter and number punch set

- Lettering to DIN 1451
- For stamping in materials up to 100 kp / mm<sup>2</sup> resistance
- 4 point shaft
- Font size 5 - 6mm
- Shaft engraved
- In durable plastic storage case



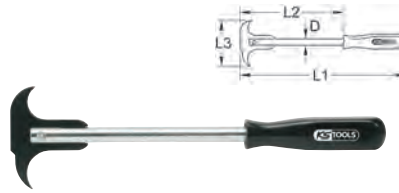
				kg
156.0465	40 pcs	Universal letter and number punch set		2.37

1 x			
1 x		0 - 9	
1 x		A - Z	
1 x			
1 x			

## GASKET RING DISMANTLING TOOL

### Gasket ring dismantling tool

- Burnished
- Chrome vanadium



	L1 mm	L2 mm	L3 mm	D mm	kg
550.1060	300.0	195.0	85.0	12.0	380

### Hook tool set

- Ideal for removing and use of O rings and seals
- With one component handle
- With hanging hole
- Special steel



				kg
550.1045	4 pcs	Hook tool set		120

#### consists of:

		kg
550.1046	Hook tool 120mm blade, straight version	27
550.1047	Hook tool 120mm blade, 45° angled version	27
550.1048	Hook tool 120mm blade, 90° angled version	27
550.1049	Hook tool 120mm blade, 135° angled version	27

### Master hook tool set

- Ideal for removing and use of O rings and seals
- With hanging hole
- Special steel



				kg
550.1070	9 pcs	Master hook tool set		680

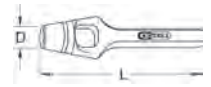
#### consists of:

		kg
550.1046	Hook tool 120mm blade, straight version	27
550.1047	Hook tool 120mm blade, 45° angled version	27
550.1048	Hook tool 120mm blade, 90° angled version	27
550.1049	Hook tool 120mm blade, 135° angled version	27
550.1071	Hook tool large, straight	91
550.1072	Hook tool large, 90° offset	105
550.1073	Hook tool large, sickle form	88
550.1074	T-handle hook tool, S-form small	42

## HANDLE PUNCH

### Handle punch

- According to DIN 7200 form A
- Strong forged form
- Pipe polished ground
- For punching holes and production of seals and gasket rings
- Interior conical for removing the blank head
- Shaft machined
- Red lacquer
- Cutting edge hardened
- Special tool steel



	L mm	D mm	D	kg
129.2002	100.0	2.0	-	0.04
129.2003	100.0	3.0	-	0.04
129.2004	105.0	4.0	-	0.05
129.2005	110.0	5.0	-	0.06
129.2006	110.0	6.0	-	0.07
129.2007	115.0	7.0	-	0.08
129.2008	120.0	8.0	-	0.09
129.2009	120.0	9.0	-	0.10
129.2010	130.0	10.0	-	0.12
129.2011	130.0	11.0	-	0.12
129.2012	130.0	12.0	15/32	0.12
129.2013	140.0	13.0	1/2	0.16
129.2014	140.0	14.0	9/16	0.16
129.2015	140.0	15.0	19/32	0.16
129.2016	145.0	16.0	5/8	0.17
129.2017	145.0	17.0	21/32	0.21
129.2018	145.0	18.0	11/16	0.21
129.2019	145.0	19.0	3/4	0.21
129.2020	160.0	20.0	25/32	0.29
129.2021	160.0	21.0	13/16	0.29
129.2022	160.0	22.0	7/8	0.30
129.2023	170.0	23.0	29/32	0.33
129.2024	170.0	24.0	15/16	0.34
129.2025	170.0	25.0	1	0.36
129.2026	170.0	26.0	1.1/32	0.36
129.2027	175.0	27.0	1.1/16	0.45
129.2028	175.0	28.0	1.3/32	0.46
129.2029	175.0	29.0	1.1/8	0.46
129.2030	190.0	30.0	1.3/16	0.56
129.2031	190.0	31.0	-	0.56
129.2032	192.0	32.0	1.1/4	0.56
129.2033	195.0	33.0	-	0.64
129.2034	195.0	34.0	1.5/16	0.65
129.2035	195.0	35.0	1.3/8	0.66
129.2036	195.0	36.0	-	0.66
129.2037	205.0	37.0	1.7/16	0.75
129.2038	205.0	38.0	1.1/2	0.78
129.2039	205.0	39.0	-	0.80
129.2040	205.0	40.0	1.9/16	0.81
129.2041	205.0	41.0	1.5/8	0.82
129.2042	220.0	42.0	-	0.98
129.2043	220.0	43.0	1.11/16	0.98
129.2044	220.0	44.0	-	0.98
129.2045	220.0	45.0	1.3/4	1.00
129.2046	220.0	46.0	1.13/16	1.10
129.2047	230.0	47.0	1.7/8	1.16
129.2048	230.0	48.0	-	1.18
129.2049	230.0	49.0	1.15/16	1.19
129.2050	230.0	50.0	-	1.20
129.2051	230.0	51.0	2	1.20
129.2052	240.0	52.0	-	1.85
129.2053	240.0	53.0	-	1.85
129.2054	240.0	54.0	2.1/8	1.85
129.2055	240.0	55.0	-	1.85
129.2056	260.0	56.0	2.3/16	1.85
129.2057	260.0	57.0	-	1.85
129.2058	260.0	58.0	2.1/4	1.85
129.2059	260.0	59.0	-	1.85
129.2060	260.0	60.0	-	1.85
129.2061	260.0	61.0	-	1.85



	L mm	D mm	D	g
129.2062	260.0	62.0	-	1.85
129.2063	260.0	63.0	-	1.85
129.2064	260.0	64.0	2.1/2	1.85
129.2065	260.0	65.0	-	3.65
129.2066	260.0	66.0	-	3.65
129.2067	300.0	67.0	-	3.65
129.2068	300.0	68.0	-	3.65
129.2069	300.0	69.0	-	3.65
129.2070	300.0	70.0	2.3/4	3.65
129.2071	300.0	71.0	-	3.65
129.2072	300.0	72.0	-	3.65
129.2073	300.0	73.0	-	3.65
129.2074	300.0	74.0	-	3.65
129.2075	300.0	75.0	-	4.30
129.2076	300.0	76.0	3	4.30
129.2077	340.0	77.0	-	4.30
129.2078	340.0	78.0	-	4.30
129.2079	340.0	79.0	-	4.30
129.2080	340.0	80.0	-	4.30
129.2085	340.0	85.0	-	4.30
129.2090	345.0	90.0	-	5.15
129.2095	345.0	95.0	3.3/4	8.50
129.2100	380.0	100.0	-	8.50
129.2105	380.0	105.0	-	8.50
129.2110	380.0	110.0	-	8.50
129.2115	380.0	115.0	4.1/2	8.50
129.2120	380.0	120.0	-	8.50

**Arc punch set**

- According to DIN 7200 form A
- Strong forged form
- Pipe polished ground
- For punching holes and production of seals and gasket rings
- Interior conical for removing the blank head
- Shaft machined
- Red lacquer
- Cutting edge hardened
- Special tool steel



			g
129.2102	7 pcs	3 - 5 - 7 - 8 - 10 - 11 - 13 mm	800
129.2103	8 pcs	3 - 5 - 7 - 8 - 10 - 13 - 16 - 19 mm	1080
129.2106	8 pcs	6 - 8 - 10 - 12 - 14 - 16 - 20 - 25 mm	1510
129.2104	10 pcs	3 - 5 - 7 - 8 - 10 - 13 - 16 - 19 - 22 - 25 mm	1780



**ROUND HOLE PUNCH**

**Round hole punch**

- According to DIN 7200 form B
- Strong forged form
- Pipe polished ground
- For punching holes and production of seals and gasket rings
- Interior conical for removing the blank head
- Red lacquer
- Cutting edge hardened
- Special tool steel



	L mm	D mm	g
129.2301	105.0	1.0	22
129.23015	105.0	1.5	22
129.23025	105.0	2.5	26
129.2302	105.0	2.0	22
129.23035	110.0	3.5	35
129.2303	105.0	3.0	26
129.23045	115.0	4.5	44
129.2304	110.0	4.0	35
129.2305	115.0	5.0	45
129.2306	115.0	6.0	54
129.2307	120.0	7.0	68
129.2308	120.0	8.0	76
129.2309	125.0	9.0	109
129.2310	125.0	10.0	124
129.2311	125.0	11.0	134
129.2312	130.0	12.0	156
129.2313	130.0	13.0	170
129.2314	135.0	14.0	192
129.2315	135.0	15.0	213
129.2316	140.0	16.0	270
129.2317	140.0	17.0	289
129.2318	150.0	18.0	333
129.2319	150.0	19.0	360
129.2320	156.0	20.0	398
129.2321	156.0	21.0	429
129.2322	156.0	22.0	452
129.2323	156.0	23.0	471
129.2324	160.0	24.0	518
129.2325	160.0	25.0	550

**Round hole punch set**

- According to DIN 7200 form B
- Strong forged form
- Pipe polished ground
- For punching holes and production of seals and gasket rings
- Interior conical for removing the blank head
- Shaft machined
- Red lacquer
- Cutting edge hardened
- Special tool steel



			g
129.2113	7 pcs	5 - 6 - 7 - 10 - 11 - 12 mm	620
129.2108	7 pcs	3 - 5 - 7 - 8 - 10 - 11 - 13 mm	725
129.2109	8 pcs	3 - 5 - 7 - 8 - 10 - 13 - 16 - 19 mm	1260
129.2107	9 pcs	2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 mm	640
129.2111	9 pcs	3 - 5 - 7 - 8 - 10 - 13 - 16 - 19 - 22 mm	1760
129.2112	10 pcs	3 - 5 - 7 - 8 - 10 - 13 - 16 - 19 - 22 - 25 mm	2360

**HOLE PUNCHES**

**Hole punch set**

- For punching out rings and for making discs and holes
- Punches can also be used in pairs
- Chrome vanadium
- In durable plastic storage case

Suitable for: foam rubber, cardboard, leather, rubberfibrous materials, plastics and lead



			g
129.0100	16 pcs	Hole punch set	1.10

**consists of:**

			g
129.0101	Three-size holder for seal punches		
129.0103	Hole punch, thread holder, 3mm		10
129.0104	Hole punch, thread holder, 4mm		10
129.0106	Hole punch, thread holder, 6mm		10
129.0108	Hole punch, thread holder, 8mm		10
129.0110	Hole punch, thread holder, 10mm		10
129.0112	Hole punch, punching iron mandrel, 12mm		20
129.0114	Hole punch, punching iron mandrel, 14mm		20
129.0116	Hole punch, punching iron mandrel, 16mm		20
129.0118	Hole punch, punching iron mandrel, 18mm		20
129.0120	Hole punch, punching iron mandrel, 20mm		20
129.0122	Hole punch, punching iron mandrel, 22mm		40
129.0124	Hole punch, punching iron mandrel, 24mm		40
129.0126	Hole punch, punching iron mandrel, 26mm		40
129.0128	Hole punch, punching iron mandrel, 28mm		40
129.0130	Hole punch, punching iron mandrel, 30mm		40

**RIVET PROCESSING TOOL**

**Rivet setters**

- Working ends polished ground and clear lacquered
- Suitable for rivets according to DIN 660 / 661 / 662 / 674
- Chrome vanadium



	Ø rivet mm	L mm	S mm	g
129.2400	2.0	100.0	10.0	60
129.2401	3.0	100.0	10.0	60
129.2402	4.0	100.0	12.0	90
129.2403	5.0	110.0	14.0	135
129.2404	6.0	110.0	14.0	135
129.2405	7.0	120.0	16.0	190
129.2406	8.0	120.0	16.0	190
129.2407	9.0	130.0	18.0	265
129.2408	10.0	130.0	20.0	325

### Rivet setter set

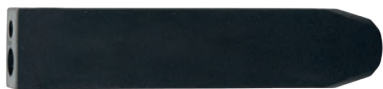
- According to DIN 7200 Form B
- Suitable for rivets according to DIN 660 / 661 / 662 / 674
- Strong forged form
- Pipe polished ground
- For punching holes and production of seals and gasket rings
- Interior conical for removing the blank head
- Shaft machined
- Red lacquer
- Cutting edge hardened
- Special tool steel
- In a plastic holder



Part No.	Qty	Specs	Weight (kg)
129.2420	5 pcs	2 - 3 - 4 - 5 - 6 mm	520

### Rivet setter and rivet header, combined

- 8-point
- Premium tempered and hardened steel
- Lacquered
- Chrome vanadium



Part No.	Ø rivet mm	L mm	B mm	H mm	Weight (kg)
129.2210	2.0	100.0	16.0	10.0	115
129.2211	3.0	100.0	16.0	10.0	115
129.2212	4.0	100.0	20.0	10.0	145
129.2213	5.0	110.0	25.0	12.0	215
129.2214	6.0	120.0	25.0	15.0	310
129.2215	7.0	120.0	30.0	15.0	330
129.2216	8.0	140.0	40.0	20.0	680
129.2217	9.0	160.0	40.0	25.0	950
129.2218	10.0	160.0	40.0	25.0	940

### RIVET SETS

#### Rivet head setter

- Working ends polished ground and clear lacquered
- Suitable for rivets according to DIN 660
- Chrome vanadium



Part No.	Ø rivet mm	L mm	S mm	Weight (kg)
129.2199	2.0	100.0	10.0	60
129.2200	3.0	100.0	10.0	60
129.2201	4.0	100.0	12.0	90
129.2202	5.0	110.0	14.0	135
129.2203	6.0	110.0	16.0	175
129.2204	7.0	120.0	18.0	240
129.2205	8.0	120.0	20.0	305
129.2206	9.0	130.0	22.0	400
129.2207	10.0	130.0	24.0	480

### Rivet head setter set

- Working ends polished ground and clear lacquered
- Suitable for rivets according to DIN 660
- Chrome vanadium
- In a plastic holder



Part No.	Qty	Specs	Weight (kg)
129.2209	5 pcs	2 - 3 - 4 - 5 - 6 mm	520

### FLATTENERS

#### Tapware assembly and dismantling set

- 8-point
- Quenched and tempered
- Special steel



Part No.	L mm	S mm	Weight (kg)
156.0770	170.0	16.0	480

### TAPER PUNCHES

#### Punch drawbore pin

- Hardened through the whole length
- Cone polished
- Carbon manganese silicon steel



Part No.	L mm	S mm	Weight (kg)
129.2161	110.0	11.0	0.07
129.2162	120.0	13.0	0.11
129.2163	150.0	15.0	0.19
129.2164	170.0	17.0	0.27
129.2165	170.0	19.0	0.34
129.2166	190.0	21.0	0.46
129.2167	200.0	23.0	0.47
129.2168	200.0	25.0	0.68
129.2169	210.0	27.0	0.84
129.2170	210.0	28.0	0.91
129.2171	230.0	29.0	1.06
129.2172	230.0	31.0	1.21
129.2173	250.0	33.0	1.52
129.2174	280.0	34.0	1.80
129.2175	280.0	36.0	2.02
129.2176	280.0	37.0	2.14

### Assembly drawbore pin

- Hardened through the whole length
- Cone polished
- Carbon manganese silicon steel



Part No.	L mm	D mm	S mm	Weight (kg)
129.2177	120.0	5.0	8.0	75
129.2178	120.0	5.0	9.0	90
129.2179	150.0	6.0	10.0	165
129.2180	170.0	7.0	12.0	240
129.2181	170.0	7.0	14.0	300
129.2182	190.0	8.0	15.0	410
129.2183	190.0	9.0	16.0	485
129.2184	200.0	10.0	18.0	585
129.2185	210.0	12.0	20.0	805
129.2186	230.0	12.0	22.0	1050
129.2187	250.0	13.0	24.0	1345
129.2188	270.0	14.0	26.0	1720

### Assembly punch

- Hardened through the whole length
- Cone polished
- Chrome vanadium

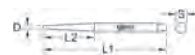


Part No.	L mm	D mm	S mm	Weight (kg)
129.2189	180.0	5.0	12.0	110
129.2190	200.0	6.0	13.0	150
129.2191	200.0	8.0	16.0	220
129.2192	200.0	9.0	20.0	340
129.2193	230.0	10.0	22.0	460
129.2194	250.0	11.0	24.0	620
129.2195	280.0	12.0	27.0	870
129.2196	315.0	14.0	30.0	1260
129.2197	340.0	15.0	32.0	1570
129.2198	380.0	16.0	36.0	2230

### BENDING IRONS AND PRY BARS

#### Pry bar

- round
- Quenched and tempered
- Forged
- Cone polished
- Special steel



Part No.	D mm	L1 mm	L2 mm	S mm	Weight (kg)
129.2220	5.5	500.0	170.0	20.0	970

**Bending iron/pry bar**

- 4-point
- Quenched and tempered
- Forged
- Cone polished
- Special steel



	D1 mm	D2 mm	L mm	S mm	
129.2221	14.0	1.0	400.0	14.0	500

**Bending iron/pry bar**

- round
- Quenched and tempered
- Forged
- Special steel

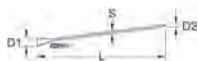


	D1 mm	D2 mm	L mm	S mm	
129.2219	22.0	5.0	605.0	19.0	1.30



**Bending iron/pry bar**

- 6-point
- Quenched and tempered
- Forged
- Cone polished
- Special steel



	D1 mm	D2 mm	L mm	S mm	
129.2222	22.0	5.0	405.0	16.0	650

**Crow bar**

- 8-point
- Quenched and tempered
- Red powder coating
- Special steel



	D mm	L m	S mm		
156.0595	50.0	1.5	25.0	-	4.84
156.0596	50.0	1.8	25.0	-	5.89
156.0597	50.0	1.3	25.0	-	7.07

**Special crow bar**

- flat
- Quenched and tempered
- Red powder coating
- Forged
- Special steel



	D1 mm	D2 mm	L mm	
129.2223	35.0	37.0	500.0	1.35
129.2224	35.0	37.0	600.0	1.80
129.2225	35.0	37.0	800.0	2.30

**Crow bar**

- 6 point
- Quenched and tempered
- Red powder coating
- Forged
- Special steel



	D1 mm	D2 mm	L m	S mm		
156.0590	30.0	37.0	0.5	19.0	-	1.16
156.0591	32.0	40.0	0.6	19.0	-	1.40
156.0592	37.0	40.0	0.7	19.0	-	1.56
156.0593	38.0	45.0	0.8	19.0	-	1.95
156.0594	38.0	45.0	1.0	19.0	-	3.27



**Crow bar**

- 8-point
- Quenched and tempered
- Red powder coating
- Special steel



	D1 mm	D2 mm	L m	S mm		
156.0575	105.0	25.0	1.6	25.0	-	6.21
156.0576	105.0	25.0	1.8	25.0	-	7.94

**Steel reinforcement pry bar**

- Round
- For bending and aligning of steel reinforcement and armouring rod
- Quenched and tempered
- Special steel



	D1 mm	D2 mm	L mm	S mm		
118.3120	6.0	8.0	375.0	11.0	-	0.32
118.3121	8.0	10.0	465.0	12.0	-	0.55
118.3122	10.0	12.0	560.0	14.0	-	0.79
118.3123	14.0	16.0	650.0	16.0	-	1.02

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