

## 23101

## Extension Sockets DIN 377

### Type

Hardened, ground and galvanised. Square end in compliance with DIN 10 and ISO.

### Use

For taps, reamers and other tools with square end.

23101



Square-end mm	Overall length mm	For taps metric	For taps Ww/BSW	23101	...
2.1	60	M 1 - 2.6	1/16 - 3/32		101
2.4	70	-	-		102
2.7	80	M 3	1/8		103
3.0	90	M 3.5	-		104
3.4	95	M 4	5/32		105
3.8	100	-	-		106
4.3	105	-	3/16		107
4.9	110	M 4.5 - 8	3/16 - 5/16		108
5.5	115	M 9 - 10	3/8		109
6.2	120	M 11	7/16		110

Square-end mm	Overall length mm	For taps metric	For taps Ww/BSW	23101	...
7.0	125	M 12	1/2		111
8.0	125	-	-		112
9.0	130	M 13 - 16	9/16 - 5/8		113
10.0	140	-	-		114
11.0	150	M 18	11/16 - 3/4		115
12.0	155	M 20	-		116
14.5	175	M 22 - 24	7/8 - 15/16		118
16.0	180	M 27	1.		119
18.0	200	M 30	1 1/8		120

## 23103

## Adjustable Extension Sockets

### Type

With replaceable hardened jaws.

### Use

For taps, reamers and other tools with square end.

23103



For square-end mm	Overall length mm	Shank Ø mm	Square-end mm	Chuck Ø mm	For taps metric	For taps Ww/BSW	23103	...
2.0 - 5.0	175	10	5.0	20.1	M 3 - 8	1/8 - 3/8		101
4.6 - 8.0	250	13	7.0	25.3	M 5 - 12	3/16 - 1/2		102

## 23125

## Ball Tap Wrenches

### Type

With 4 square holes, case-hardened, 1 arm removable, for square end in compliance with DIN 10.

23125



Size	Square end dimensions mm	For taps metric	For taps Ww/BSW	Overall length mm	23125	...
0	2.1 - 2.7 / 3.0 - 3.4	M 1 - 4	1/16 - 5/32	200		201
1	3.0 - 3.4 / 4.3 - 4.9	M 3.5 - 8	5/32 - 5/16	200		202
2	3.4 - 4.3 / 4.9 - 5.5	M 4 - 10	5/32 - 3/8	250		203
3	4.9 - 5.5 / 6.2 - 7.0	M 5 - 12	3/16 - 1/2	295		204
4	5.5 - 6.2 / 7.0 - 9.0	M 10 - 16	3/8 - 5/8	340		205
5	7.0 - 9.0 / 11.0 - 12.0	M 12 - 20	1/2 - 3/4	450		206
6	11.0 - 12.0 / 14.5 - 16.0	M 18 - 27	3/4 - 1	645		207

## 23130

## Adjustable Tap Wrenches DIN 1814

### Type

Made of die-cast zinc, starting at size 6 made of steel ST37, welded. Chucks case-hardened and burnished, steel handles galvanised.

### Use

For clamping tools with square end.

### Note:

Size 00 round shape (not standardised).

23130 202-210



Size	For square-end mm	For taps metric	For taps Ww/BSW	For hand reamers	Overall length mm	23130	...
00	1.5 - 2.4	M 1 - 2.6	1/16 - 3/32	2 - 3	40		201
0	2.0 - 5.0	M 1 - 8	1/16 - 1/4	3 - 6	125		202
1	2.0 - 6.0	M 1 - 10	1/16 - 3/8	3 - 7	180		203
1 1/2	2.0 - 8.0	M 1 - 12	1/16 - 1/2	3 - 9	200		204
2	4.0 - 9.0	M 4 - 12	3/16 - 1/2	5 - 9	280		205
3	4.9 - 12.0	M 5 - 20	7/32 - 3/4	7 - 15	375		206
4	5.5 - 16.0	M 9 - 27	3/8 - 1	7 - 21	480		207
5	7.0 - 20.0	M 12 - 33	1/2 - 1 1/4	9 - 26	700		208
6	9.0 - 25.0	M 20 - 42	9/16 - 1 5/8	16 - 30	960		209
7/8	16.0 - 44.0	M 27 - 86	1 - 2 1/2	27 - 50	1200		210

23130 201



**23135 Adjustable Tap Wrenches**

**Type**  
 Similar to DIN 1814.  
 All-steel body. Chucks case-hardened and burnished.  
 Rotary handles galvanised and screw-mounted.

23135



Size	Square end mm	For taps M	For taps Ww	Overall length mm	23135	...
1	2,0 - 6,3	1 - 10	1/16 - 3/8	180		101
2	3,0 - 9,0	4 - 12	3/16 - 1/2	280		102
3	4,9 - 12,0	5 - 20	7/32 - 3/4	375		103
6	11,0 - 24,0	18 - 42	3/4 - 1 1/2	1000		107
8	16,0 - 40,0	25 - 64	1 - 2 1/2	1250		109

**23155 Toolholders**

**Type**  
 Handle with through hole, black plastic handle, head with 4 jaws.

**Use**  
 For mounting tools with square and round shanks.

23155



Clamping range mm	Overall length mm	23155	...
0 - 1,2	105		101
1,2 - 2,0	110		102
2,0 - 3,0	115		103
2,0 - 3,5	135		104
3,0 - 4,5	160		105
4,0 - 6,0	170		106

**23160 - 23161 Twin-chuck tool holder**



**Type**  
 - Solid steel  
 - With ratchet  
 - For cw and ccw rotation, also identifiable  
 - Crossbar adjustable

**Use**  
 For tools with square shank, particularly suitable for difficult-to-access areas.

23160

23161



Square chuck width mm	For taps	Overall length mm	short		long	
			23160	...	23161	...
2.0 - 5.0	M 3 - M 8	85		201		
4.6 - 8.0	M 5 - M 12	110		202		
9.0 - 12.5	M 13 - M 20	117		203		
2.0 - 5.0	M 3 - M 8	250				101
4.6 - 8.0	M 5 - M 12	300				102

**23250 Toolholder Sets**



**Use**  
 For taps and round dies. For use on conventional turning machines. For mounting inside and outside thread tapping tools with a single tool holder.

23250 104



Size	For thread	23250	...
2	M 3 - M 12		102
4	M 12 - M 24		104

Clamping Technology



## 23500

## Die Stocks without Clamping Screws

**RITTER**  
Werkzeuge GmbH

### Type

Similar to DIN EN 22568, housing made of fine zinc pressure die-casting ZL 0410, steel handles galvanised.

### Use

Quick exchange of round dies without screwdriver. Patented locking mechanism for round dies by means of the keyway with only one adjustable jaw.

23500



Ø x h mm	For dies M	For dies MF	For dies Ww/BSW	For dies G	L mm	23500	...
20 x 5	3 - 4	3 - 4	1/8 - 5/32	-	180	101	
20 x 7	4,5 - 6	4,5 - 6	3/16 - 1/4	-	180	102	
25 x 9	7 - 9	7 - 9	5/16	-	210	103	
30 x 11	10 - 11	10 - 11	3/8 - 7/16	1/8	270	104	
38 x 10	-	12 - 15	-	1/4	310	105	
38 x 14	12 - 14	-	1/2 - 9/16	-	310	106	
45 x 14	-	16 - 20	-	3/8 - 1/2	440	107	
45 x 18	16 - 20	-	5/8 - 3/4	-	440	108	

## 23502

## Die Stocks DIN EN 22568

### Type

Housing up to size 65 x 25 mm made of fine zinc pressure-die casting, from size 75 x 20 mm made of steel ST37, welded construction, clamping screws phosphatised, steel handles galvanised, from size 45 x 14 mm handles can be unscrewed.

### Use

for round dies in compliance with DIN EN 22568.

23502



Ø x h mm	For dies metric	For dies metric fine	For dies Ww/BSW	Overall length mm	23502	...
16 x 5	M 1 - 2.6	-	1/16 - 3/32	160	201	
20 x 5	M 3 - 4	M 3 - 4	1/8 - 5/32	180	202	
20 x 7	M 4.5 - 6	M 4.5 - 6	3/16 - 1/4	180	203	
25 x 9	M 7 - 9	M 7 - 9	5/16	210	204	
30 x 11	M 10 - 11	M 10 - 11	3/8 - 7/16	270	205	
38 x 10	-	M 12 - 15	-	310	206	
38 x 14	M 12 - 14	-	1/2 - 9/16	310	207	
45 x 14	-	M 16 - 20	-	440	208	
45 x 18	M 16 - 20	-	5/8 - 3/4	440	209	
55 x 16	-	M 22 - 25	-	490	210	
55 x 22	M 22 - 24	-	7/8 - 1	490	211	
65 x 18	-	M 26 - 36	-	630	212	
65 x 25	M 27 - 36	-	1.1/8 - 1.3/8	630	213	
75 x 20	-	M 38 - 42	-	900	214	
75 x 30	M 39 - 42	-	1.1/2 - 1.5/8	900	215	
90 x 22	-	M 45 - 52	-	920	216	
90 x 36	M 45 - 52	-	1.3/4 - 2.1/4	920	217	
105 x 22	-	M 55 - 65	-	1100	218	

## 23503 - 23504

## Guides for Round Dies

### Use

For tapping of external threads with die stock DIN EN 22568 and round die DIN EN 22568.

### 23503

#### Type

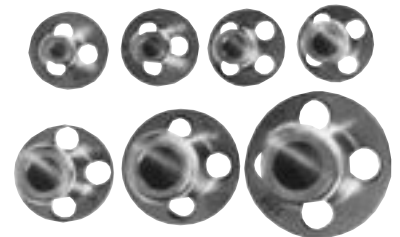
7-part, guides for round dies von M 3-M 12.

### 23504

#### Type

Single

23503 - 23504



### Set

Set	23503	...
M 3 - M 12	101	

### Single

Guide size	For dies	23504	...
1	M 3	101	
2	M 4	102	
3	M 5	103	
4	M 6	104	
5	M 8	105	
6	M 10	106	
7	M 12	107	





# Performance requires quality.

For example, with the revolving lathe centre from ATORN.

- Extended moving point
- True-running deviation, max. 0.005 mm
- Completely hardened and ground
- Protected against penetration of contamination and coolant

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