

## A DIE SETS



## B PRECISION GROUND PLATES AND FLAT BARS



Steel and aluminium plates, flat and square tool steels  
Precision feeler gauges, foil shims



## C LIFTING AND CLAMPING DEVICES



## D GUIDE ELEMENTS



## E GROUND PRECISION COMPONENTS



## F SPRINGS



## G ELASTOMERS



## H FIBRO-CHEMICAL TOOLING AIDS



## J PERIPHERAL EQUIPMENT



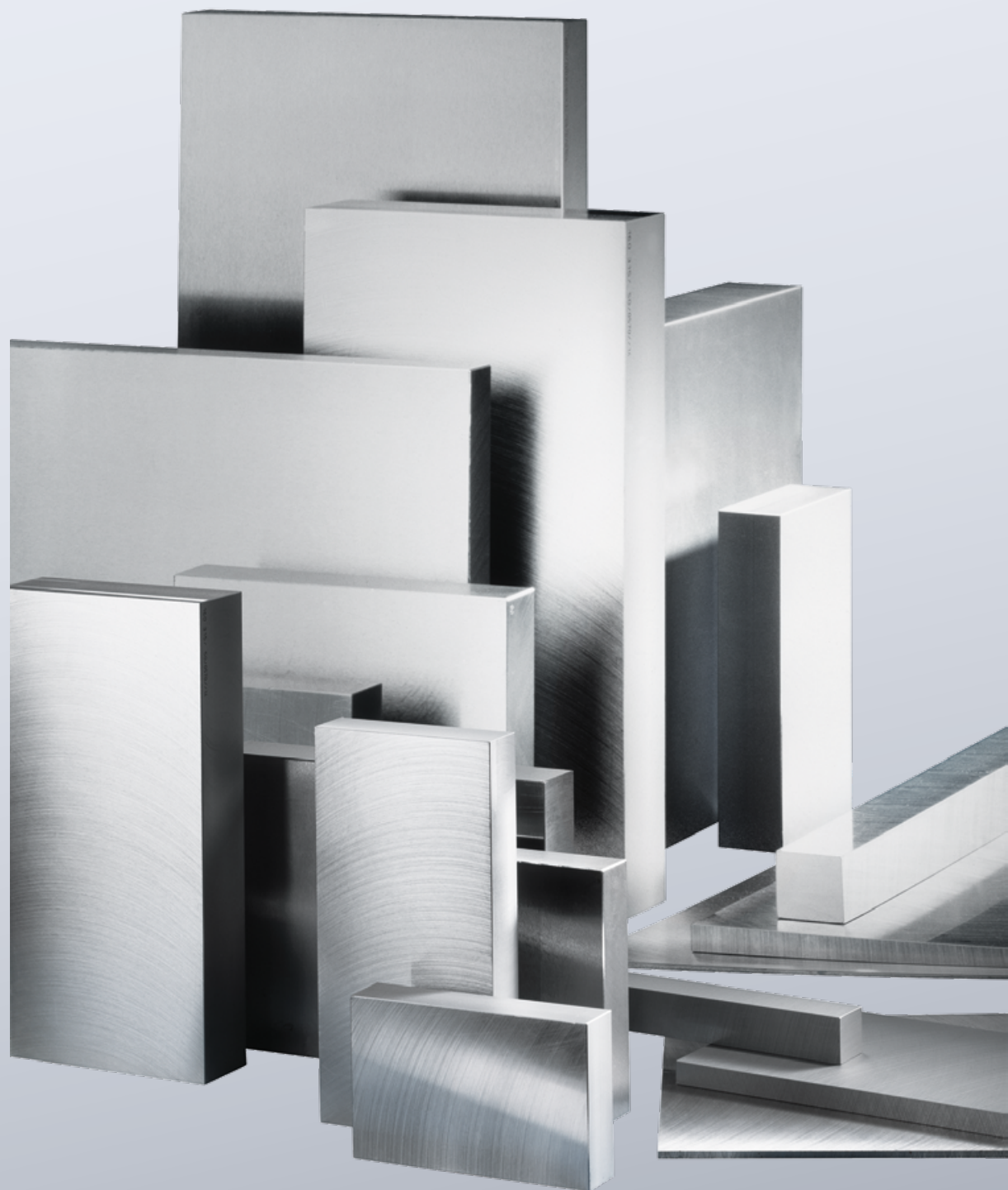
## K CAM UNITS



## L STANDARD PARTS FOR MOULD MAKING

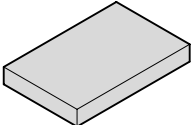
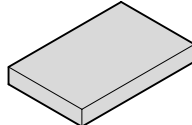
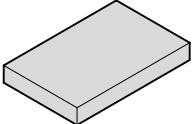
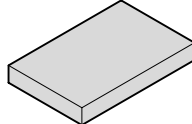
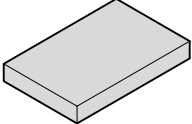
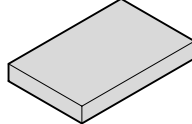
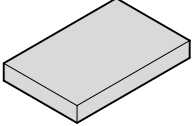
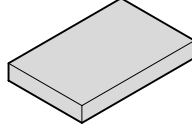
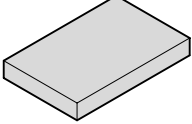
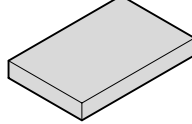
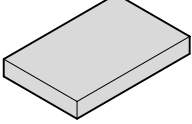
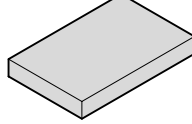
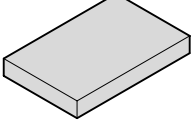
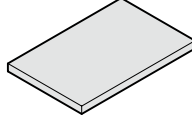
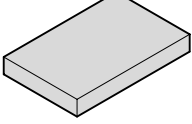


# PRECISION GROUND PLATES AND FLAT BARS





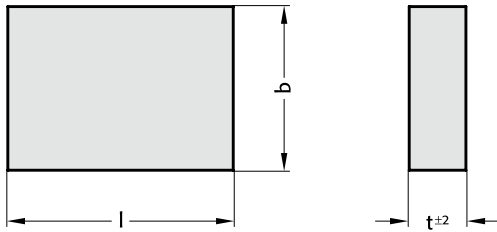
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# STEEL PLATE ISO 6753-1

2900.



### Execution:

External contours milled. Thickness surfaces ground

### Note:

l or b ≤ 630 = +0,2 / +0,4

l or b > 630 = +0,2 / +0,6

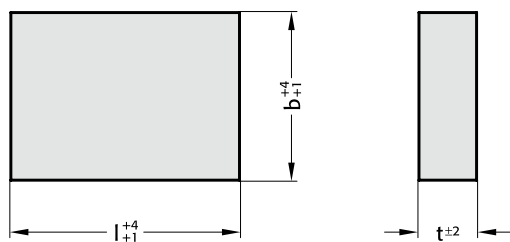
Plates from 500 × 500 mm on are manufactured with lifting thread.

## 2900. Steel plate ISO 6753-1

Order No	Size l x w x d	Order No	Size l x w x d	Order No	Size l x w x d
2900.1608.25	160 x 80 x 25	2900.3120.40	315 x 200 x 40	2900.6340.32	630 x 400 x 32
2900.1608.32	160 x 80 x 32	2900.3120.50	315 x 200 x 50	2900.6340.40	630 x 400 x 40
2900.1610.25	160 x 100 x 25	2900.3125.32	315 x 250 x 32	2900.6340.50	630 x 400 x 50
2900.1610.32	160 x 100 x 32	2900.3125.40	315 x 250 x 40	2900.6340.63	630 x 400 x 63
2900.1612.25	160 x 125 x 25	2900.3125.50	315 x 250 x 50	2900.6350.32	630 x 500 x 32
2900.1612.32	160 x 125 x 32	2900.3131.32	315 x 315 x 32	2900.6350.40	630 x 500 x 40
2900.1616.25	160 x 160 x 25	2900.3131.40	315 x 315 x 40	2900.6350.50	630 x 500 x 50
2900.1616.32	160 x 160 x 32	2900.3131.50	315 x 315 x 50	2900.6350.63	630 x 500 x 63
2900.2010.25	200 x 100 x 25	2900.4020.32	400 x 200 x 32	2900.6363.32	630 x 630 x 32
2900.2010.32	200 x 100 x 32	2900.4020.40	400 x 200 x 40	2900.6363.40	630 x 630 x 40
2900.2010.40	200 x 100 x 40	2900.4020.50	400 x 200 x 50	2900.6363.50	630 x 630 x 50
2900.2012.25	200 x 125 x 25	2900.4025.32	400 x 250 x 32	2900.6363.63	630 x 630 x 63
2900.2012.32	200 x 125 x 32	2900.4025.40	400 x 250 x 40	2900.7140.32	710 x 400 x 32
2900.2012.40	200 x 125 x 40	2900.4025.50	400 x 250 x 50	2900.7140.40	710 x 400 x 40
2900.2016.25	200 x 160 x 25	2900.4031.32	400 x 315 x 32	2900.7140.50	710 x 400 x 50
2900.2016.32	200 x 160 x 32	2900.4031.40	400 x 315 x 40	2900.7140.63	710 x 400 x 63
2900.2016.40	200 x 160 x 40	2900.4031.50	400 x 315 x 50	2900.7150.32	710 x 500 x 32
2900.2020.25	200 x 200 x 25	2900.4040.32	400 x 400 x 32	2900.7150.40	710 x 500 x 40
2900.2020.32	200 x 200 x 32	2900.4040.40	400 x 400 x 40	2900.7150.50	710 x 500 x 50
2900.2020.40	200 x 200 x 40	2900.4040.50	400 x 400 x 50	2900.7150.63	710 x 500 x 63
2900.2512.25	250 x 125 x 25	2900.5025.32	500 x 250 x 32	2900.7163.32	710 x 630 x 32
2900.2512.32	250 x 125 x 32	2900.5025.40	500 x 250 x 40	2900.7163.40	710 x 630 x 40
2900.2512.40	250 x 125 x 40	2900.5025.50	500 x 250 x 50	2900.7163.50	710 x 630 x 50
2900.2516.25	250 x 160 x 25	2900.5031.32	500 x 315 x 32	2900.7163.63	710 x 630 x 63
2900.2516.32	250 x 160 x 32	2900.5031.40	500 x 315 x 40	2900.8040.32	800 x 400 x 32
2900.2516.40	250 x 160 x 40	2900.5031.50	500 x 315 x 50	2900.8040.40	800 x 400 x 40
2900.2520.25	250 x 200 x 25	2900.5040.32	500 x 400 x 32	2900.8040.50	800 x 400 x 50
2900.2520.32	250 x 200 x 32	2900.5040.40	500 x 400 x 40	2900.8040.63	800 x 400 x 63
2900.2520.40	250 x 200 x 40	2900.5040.50	500 x 400 x 50	2900.8050.32	800 x 500 x 32
2900.2525.25	250 x 250 x 25	2900.5050.32	500 x 500 x 32	2900.8050.40	800 x 500 x 40
2900.2525.32	250 x 250 x 32	2900.5050.40	500 x 500 x 40	2900.8050.50	800 x 500 x 50
2900.2525.40	250 x 250 x 40	2900.5050.50	500 x 500 x 50	2900.8050.63	800 x 500 x 63
2900.3116.32	315 x 160 x 32	2900.6331.32	630 x 315 x 32	2900.8063.32	800 x 630 x 32
2900.3116.40	315 x 160 x 40	2900.6331.40	630 x 315 x 40	2900.8063.40	800 x 630 x 40
2900.3116.50	315 x 160 x 50	2900.6331.50	630 x 315 x 50	2900.8063.50	800 x 630 x 50
2900.3120.32	315 x 200 x 32	2900.6331.63	630 x 315 x 63	2900.8063.63	800 x 630 x 63

# ALUMINIUM PLATE ~ISO 6753-1

## 2910..0



### Execution:

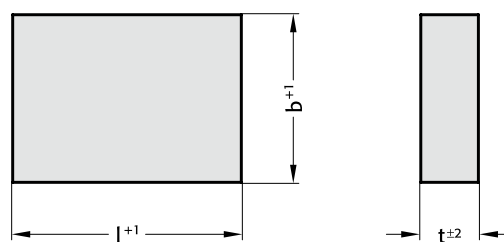
2910.□□□□.□□.0

External contours sawed. Thickness surfaces ground.

### Note:

Plates from 500 × 500 mm on are manufactured with lifting thread.

## 2910..2



### Execution:

2910.□□□□.□□.2

Two external contours milled. Thickness surfaces ground.

### Note:

Plates from 500 × 500 mm on are manufactured with lifting thread.

## 2910. Aluminium plate ~ISO 6753-1

Order No	Size l x w x d	Order No	Size l x w x d	Order No	Size l x w x d
2910.1608.25.□	160 x 80 x 25	2910.3120.40.□	315 x 200 x 40	2910.6340.32.□	630 x 400 x 32
2910.1608.32.□	160 x 80 x 32	2910.3120.50.□	315 x 200 x 50	2910.6340.40.□	630 x 400 x 40
2910.1610.25.□	160 x 100 x 25	2910.3125.32.□	315 x 250 x 32	2910.6340.50.□	630 x 400 x 50
2910.1610.32.□	160 x 100 x 32	2910.3125.40.□	315 x 250 x 40	2910.6340.63.□	630 x 400 x 63
2910.1612.25.□	160 x 125 x 25	2910.3125.50.□	315 x 250 x 50	2910.6350.32.□	630 x 500 x 32
2910.1612.32.□	160 x 125 x 32	2910.3131.32.□	315 x 315 x 32	2910.6350.40.□	630 x 500 x 40
2910.1616.25.□	160 x 160 x 25	2910.3131.40.□	315 x 315 x 40	2910.6350.50.□	630 x 500 x 50
2910.1616.32.□	160 x 160 x 32	2910.3131.50.□	315 x 315 x 50	2910.6350.63.□	630 x 500 x 63
2910.2010.25.□	200 x 100 x 25	2910.4020.32.□	400 x 200 x 32	2910.6363.32.□	630 x 630 x 32
2910.2010.32.□	200 x 100 x 32	2910.4020.40.□	400 x 200 x 40	2910.6363.40.□	630 x 630 x 40
2910.2010.40.□	200 x 100 x 40	2910.4020.50.□	400 x 200 x 50	2910.6363.50.□	630 x 630 x 50
2910.2012.25.□	200 x 125 x 25	2910.4025.32.□	400 x 250 x 32	2910.6363.63.□	630 x 630 x 63
2910.2012.32.□	200 x 125 x 32	2910.4025.40.□	400 x 250 x 40	2910.7140.32.□	710 x 400 x 32
2910.2012.40.□	200 x 125 x 40	2910.4025.50.□	400 x 250 x 50	2910.7140.40.□	710 x 400 x 40
2910.2016.25.□	200 x 160 x 25	2910.4031.32.□	400 x 315 x 32	2910.7140.50.□	710 x 400 x 50
2910.2016.32.□	200 x 160 x 32	2910.4031.40.□	400 x 315 x 40	2910.7140.63.□	710 x 400 x 63
2910.2016.40.□	200 x 160 x 40	2910.4031.50.□	400 x 315 x 50	2910.7150.32.□	710 x 500 x 32
2910.2020.25.□	200 x 200 x 25	2910.4040.32.□	400 x 400 x 32	2910.7150.40.□	710 x 500 x 40
2910.2020.32.□	200 x 200 x 32	2910.4040.40.□	400 x 400 x 40	2910.7150.50.□	710 x 500 x 50
2910.2020.40.□	200 x 200 x 40	2910.4040.50.□	400 x 400 x 50	2910.7150.63.□	710 x 500 x 63
2910.2512.25.□	250 x 125 x 25	2910.5025.32.□	500 x 250 x 32	2910.7163.32.□	710 x 630 x 32
2910.2512.32.□	250 x 125 x 32	2910.5025.40.□	500 x 250 x 40	2910.7163.40.□	710 x 630 x 40
2910.2512.40.□	250 x 125 x 40	2910.5025.50.□	500 x 250 x 50	2910.7163.50.□	710 x 630 x 50
2910.2516.25.□	250 x 160 x 25	2910.5031.32.□	500 x 315 x 32	2910.7163.63.□	710 x 630 x 63
2910.2516.32.□	250 x 160 x 32	2910.5031.40.□	500 x 315 x 40	2910.8040.32.□	800 x 400 x 32
2910.2516.40.□	250 x 160 x 40	2910.5031.50.□	500 x 315 x 50	2910.8040.40.□	800 x 400 x 40
2910.2520.25.□	250 x 200 x 25	2910.5040.32.□	500 x 400 x 32	2910.8040.50.□	800 x 400 x 50
2910.2520.32.□	250 x 200 x 32	2910.5040.40.□	500 x 400 x 40	2910.8040.63.□	800 x 400 x 63
2910.2520.40.□	250 x 200 x 40	2910.5040.50.□	500 x 400 x 50	2910.8050.32.□	800 x 500 x 32
2910.2525.25.□	250 x 250 x 25	2910.5050.32.□	500 x 500 x 32	2910.8050.40.□	800 x 500 x 40
2910.2525.32.□	250 x 250 x 32	2910.5050.40.□	500 x 500 x 40	2910.8050.50.□	800 x 500 x 50
2910.2525.40.□	250 x 250 x 40	2910.5050.50.□	500 x 500 x 50	2910.8050.63.□	800 x 500 x 63
2910.3116.32.□	315 x 160 x 32	2910.6331.32.□	630 x 315 x 32	2910.8063.32.□	800 x 630 x 32
2910.3116.40.□	315 x 160 x 40	2910.6331.40.□	630 x 315 x 40	2910.8063.40.□	800 x 630 x 40
2910.3116.50.□	315 x 160 x 50	2910.6331.50.□	630 x 315 x 50	2910.8063.50.□	800 x 630 x 50
2910.3120.32.□	315 x 200 x 32	2910.6331.63.□	630 x 315 x 63	2910.8063.63.□	800 x 630 x 63

### Ordering Code (example):

Aluminium plate ~ISO 6753-1	=	2910.
Length L	400 mm =	40
Width B	400 mm =	40.
Thickness T	40 mm =	40.
Execution FORM	sawn =	0
Order No	=	2910. 40 40. 40. 0

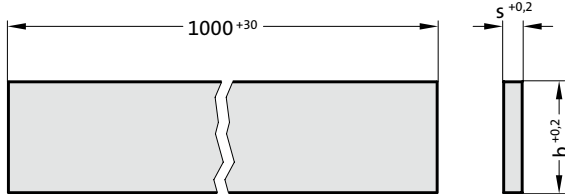
# PRECISION FLAT AND SQUARE BAR STEEL, ~DIN 59350

2922.1730.



**Material:**  
1.1730 / C45U  
Unalloyed tool steel

**Execution:**  
Thickness precision ground, width ground or milled,  
length machined



## 2922.1730. Precision flat and square bar steel, ~DIN 59350

s	4	5	6	8	10	12	15	16	20	25	30	32	40	50	60	63	70	80	100	120	150	
b																						
10					•																	
12						•																
15							•															
16								•														
20	•	•	•	•	•	•	•	•	•													
25	•	•	•	•	•	•	•	•	•	•												
30	•	•	•	•	•	•	•	•	•	•	•											
32	•	•	•	•	•	•	•	•	•	•	•	•										
40	•	•	•	•	•	•	•	•	•	•	•	•	•									
50	•	•	•	•	•	•	•	•	•	•	•	•	•	•								
60	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
63			•	•	•	•	•	•	•	•	•	•	•	•	•	•						
70			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
90	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
120			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
125	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
140			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
150	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
160			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
180			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
200			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
250			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
300			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
350			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
450																						
500																						

### Ordering Code (example):

Precision flat and square bar steel, ~DIN 59350	=	2922.1730.
Width B	90 mm	= 090.
Thickness S	4 mm	= 004.
Length L	1000 mm	= 1000
Order No		= 2922.1730. 090. 004. 1000



# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

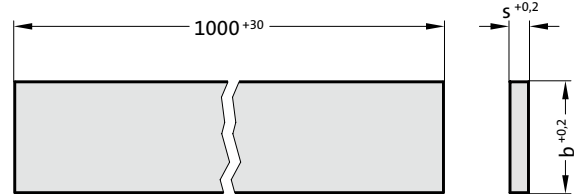
1.0570 / St 52-3

Non-alloyed construction steel

## Execution:

Thickness precision ground, width ground or milled, length machined

2923.0570.



## 2923.0570. Precision flat and square bar steel with machining allowance, DIN 59350

s	5.2	6.2	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4	70.4	80.4	100.4
b															
10.4				●											
12.4					●										
15.4						●									
20.3		●	●	●	●	●									
20.4							●								
25.3	●	●	●	●	●	●	●								
25.4								●							
30.3	●	●	●	●	●	●	●	●							
30.4									●						
40.3	●	●	●	●	●	●	●	●	●						
40.4										●					
50.3	●	●	●	●	●	●	●	●	●	●					
50.4											●				
60.3	●	●	●	●	●	●	●	●	●	●	●				
60.4												●			
70.3				●	●	●	●	●	●	●	●	●			
70.4													●		
80.3	●	●	●	●	●	●	●	●	●	●	●	●	●		
80.4														●	
100.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
100.4															●
120.3			●	●	●	●	●	●	●	●	●	●	●	●	●
125.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
140.3			●	●	●	●	●	●	●	●	●	●	●	●	●
150.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
160.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
180.3				●	●	●	●	●	●	●	●	●	●	●	●
200.3		●	●	●	●	●	●	●	●	●	●	●	●	●	●
250.3		●	●	●	●	●	●	●	●	●	●	●	●	●	●
300.3				●	●	●	●	●	●	●	●	●	●	●	●
350.3				●	●	●	●	●	●	●	●	●	●	●	●
400.3				●	●	●	●	●	●	●	●	●	●	●	●

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.0570.
Width B	50.3 mm =	050.
Thickness S	5.2 mm =	005.
Length L	1000 mm =	1000
Order No	=	2923.0570. 050. 005. 1000

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

2923.2099.

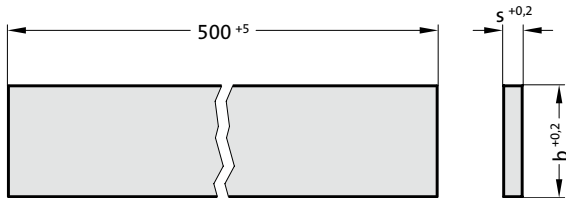


**Material:**

1.2099 / X5 CrS 12  
Stainless steel for plastic moulding,  
tempered to 900-1050 N/mm<sup>2</sup>

**Execution:**

Thickness precision ground, width ground or milled,  
length machined



**2923.2099. Precision flat and square bar steel with machining allowance, DIN 59350**

s	6.2	8.2	10.4	15.4	20.4	25.4	30.4	40.4	50.4
b									
20.3	●	●	●						
25.3	●	●	●	●					
30.3	●	●	●	●	●				
40.3	●	●	●	●	●	●			
50.3	●	●	●	●	●	●	●		
60.3	●	●	●	●	●	●	●	●	
80.3	●	●	●	●	●	●	●	●	●
100.3	●	●	●	●	●	●	●	●	●
125.3	●	●	●	●	●	●	●	●	●
150.3	●	●	●	●	●	●	●	●	●
200.3	●	●	●	●	●	●	●	●	●
250.3	●	●	●	●	●	●	●	●	●
300.3	●	●	●	●	●	●	●	●	●

**Ordering Code (example):**

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2099.
Width B	80.3 mm =	080.
Thickness S	6.2 mm =	006.
Length L	500 mm =	0500
Order No	=	2923.2099. 080. 006. 0500

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

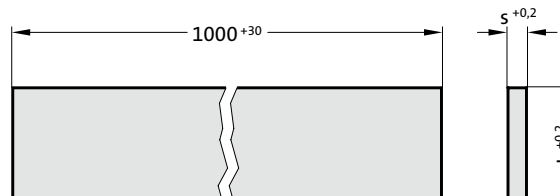
1.2162 / 21 MnCr 5  
Case hardened steel

2923.2162.



## Execution:

Thickness precision ground, width ground or milled, length machined



## 2923.2162. Precision flat and square bar steel with machining allowance, DIN 59350

s	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4	80.4
b											
20.3	●	●	●	●							
20.4					●						
25.3	●	●	●	●	●						
25.4						●					
30.3	●	●	●	●	●	●					
30.4							●				
40.3	●	●	●	●	●	●	●				
40.4								●			
50.3	●	●	●	●	●	●	●	●			
50.4									●		
60.3	●	●	●	●	●	●	●	●	●		
60.4										●	
70.3	●	●	●	●	●	●	●	●	●	●	
80.3	●	●	●	●	●	●	●	●	●	●	●
80.4											●
100.3	●	●	●	●	●	●	●	●	●	●	●
150.3	●	●	●	●	●	●	●	●	●	●	●
200.3	●	●	●	●	●	●	●	●	●	●	●
250.3	●	●	●	●	●	●	●	●	●	●	●
300.3	●	●	●	●	●	●	●	●	●	●	●

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2162.
Width B	40.3 mm =	040.
Thickness S	8.2 mm =	008.
Length L	1000 mm =	1000
Order No	=	2923.2162. 040. 008. 1000

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

2923.2312.



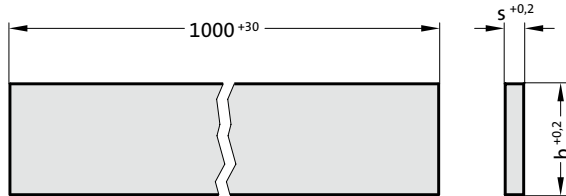
**Material:**

1.2312 / 40 CrMnMoS 8-6

Steel for plastic moulding, pre-tempered to 900-1050 N/mm<sup>2</sup>

**Execution:**

Thickness precision ground, width ground or milled, length machined



**2923.2312. Precision flat and square bar steel with machining allowance, DIN 59350**

s	4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	70.4	80.4	90.4	100.4	
b																				
12.4						•														
15.4							•													
16.4								•												
20.3				•	•	•	•													
20.4									•											
25.3				•	•	•	•	•	•											
25.4										•										
30.3				•	•	•	•	•	•	•										
30.4											•									
32.3					•	•		•	•											
32.4												•								
40.3	•	•	•	•	•	•	•	•	•	•	•									
40.4													•							
50.3	•	•	•	•	•	•	•	•	•	•	•	•	•							
50.4														•						
60.3	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
60.4															•					
63.3	•	•	•	•	•	•		•	•	•		•	•	•						
70.3	•	•	•	•	•	•		•	•	•	•	•	•	•	•					
70.4																•				
80.3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
80.4																	•			
100.3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
100.4																				•
125.3				•	•	•	•	•	•	•	•	•	•	•	•	•	•			
150.3				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
200.3				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
220.3					•	•		•	•	•	•	•	•	•	•	•	•	•	•	
250.3					•	•	•		•	•	•	•	•	•	•	•	•	•	•	
300.3					•	•			•	•	•		•	•	•	•	•	•	•	

**Ordering Code (example):**

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2312.
Width B	30.3 mm =	030.
Thickness S	8.2 mm =	008.
Length L	1000 mm =	1000
Order No	=	2923.2312. 030. 008. 1000

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

1.2343 / X 37 CrMoV 5-1  
Hot work steel

2923.2343.

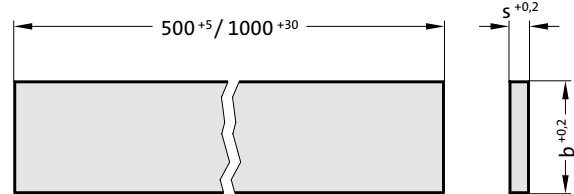


## Execution:

Thickness precision ground, width ground or milled, length machined

## Note:

- = available in 500 mm and 1000 mm lengths
- = only available in 500 mm lengths
- = only available in 1000 mm lengths



## 2923.2343. Precision flat and square bar steel with machining allowance, DIN 59350

s	4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	80.4	100.4
b																	
10.3	○	○	○	○													
10.4					○												
12.4						○											
15.3	○	○	○	○	○	○											
15.4							○										
20.3	○	○	○	●	●	●	●	■									
20.4									●								
25.3	○	○	○	●	●	●	●	■	●								
25.4										●							
30.3	○	○	○	●	●	●	●		●	●							
30.4											●						
32.3								■									
40.3	○	○	○	●	●	●	●	■	●	●	●	■					
40.4													●				
50.3	○	○	○	●	●	●	●	■	●	●	●	■	●				
50.4														●			
60.3	○	○	○	●	●	●	●		●	●	●		●	●			
60.4															●		
63.3								■					■				
80.3	○	○	○	●	●	●	●	■	●	●	●	■	●	●	■		
80.4																■	
100.3	○	○	○	●	●	●	●	■	●	●	●	■	●	●	■	■	
100.4																	■
125.3				■	■	■	■	■	●	●	●	■	●	●	■	■	■
150.3				■	■	■	■	■	●	●	●	■	●	●	■	■	■
200.3				■	■	■	■	■	●	●	●	■	●	●	■	■	■

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2343.
Width B	20.3 mm =	020.
Thickness S	4.2 mm =	004.
Length L	500 mm =	0500
Order No	=	2923.2343. 020. 004. 0500

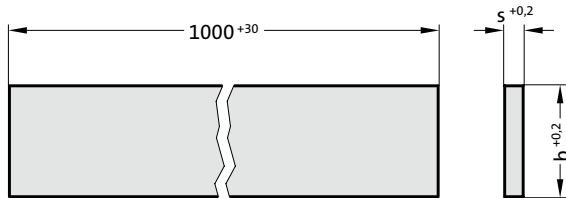
# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

2923.2363.



**Material:**  
1.2363 / X 100 CrMoV 5-1  
Cold worked steel

**Execution:**  
Thickness precision ground, width ground or milled, length machined



## 2923.2363. Precision flat and square bar steel with machining allowance, DIN 59350

s	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4	60.4	80.4	100.4
b												
20.4					●							
25.3	●	●	●									
25.4						●						
30.3	●	●	●	●	●							
30.4							●					
40.3	●	●	●	●	●	●	●					
40.4								●				
50.3	●	●	●	●	●	●	●					
50.4									●			
60.3	●	●	●	●	●	●	●	●				
60.4										●		
80.3	●	●	●	●	●	●	●	●				
80.4											●	
100.3	●	●	●	●	●	●	●	●				
100.4												●
125.3		●	●	●	●	●	●	●	●			
150.3		●	●	●	●	●	●	●	●			
200.3		●	●	●	●	●	●	●	●			
250.3					●	●	●	●				

### Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2363.
Width B	30.3 mm =	030.
Thickness S	8.2 mm =	008.
Length L	1000 mm =	1000
Order No	=	2923.2363. 030. 008. 1000

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

1.2379 / X 155 CrVMo 12-1  
Cold worked steel

2923.2379.

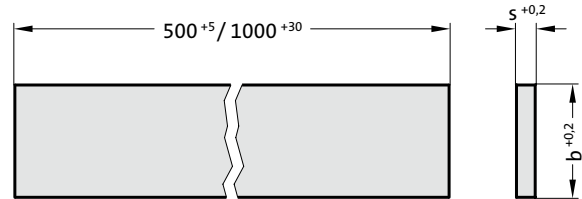


## Execution:

Thickness precision ground, width ground or milled, length machined

## Note:

- = available in 500 mm and 1000 mm lengths
- = only available in 500 mm lengths
- = only available in 1000 mm lengths



## 2923.2379. Precision flat and square bar steel with machining allowance, DIN 59350

s	2.2	3.2	4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	63.4	70.4	80.4	100.4	120.4	150.4	
b																								
6.2						○																		
8.2						●																		
10.3	●	●	●	●	●	●																		
10.4							●																	
12.4								●																
15.3	●	●	●	●	●	●	●	●	■															
15.4									●															
16.4										■														
20.3	●	●	●	●	●	●	●	●	●	■														
20.4											●													
25.3	●	●	●	●	●	●	●	●	●	■	●													
25.4												●												
30.3	●	●	●	●	●	●	●	●	●	■	●	●												
30.4													●											
32.3							■	■	■		■	■	■											
32.4																	■							
40.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■										
40.4																								
50.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●									
50.4																								
60.3	●	●	●	●	●	●	●	●	●		●	●	●		●	●								
60.4																								
63.3							■	■	■		■	■	■		■	■	■							
63.4																								
70.3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
70.4																								
80.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■							
80.4																								
90.3							■	■	■		■	■	■		■	■	■	■						
100.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■	■				
100.4																								
120.4																								
125.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■	■				
150.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■	■				
150.4																								
160.3							■	■	■		■	■	■		■	■	■	■						
200.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■					
250.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■					
300.3	●	●	●	●	●	●	●	●	●	■	●	●	●	■	●	●	■	■	■					
350.3										■	■	■	■		■	■	■	■						
400.3										■	■	■	■		■	■	■	■						

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2379.
Width B	15.3 mm =	015.
Thickness S	2.2 mm =	002.
Length L	500 mm =	0500
Order No	=	2923.2379. 015.002.0500

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

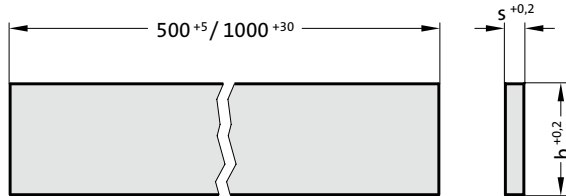
2923.2436.



**Material:**  
1.2436 / X 210 CrW 12  
Cold worked steel

**Execution:**  
Thickness precision ground, width ground or milled, length machined

**Note:**  
● = available in 500 mm and 1000 mm lengths  
○ = only available in 500 mm lengths  
■ = only available in 1000 mm lengths



## 2923.2436. Precision flat and square bar steel with machining allowance, DIN 59350

s	2.2	3.2	4.2	5.2	6.2	8.2	10.4	12.4	15.4	20.4	25.4	30.4	40.4	50.4
b														
8.2						○								
10.3	○	●	●	●	●	●								
10.4							●							
12.4								●						
15.3	○	●	●	●	●	●	●	○						
15.4									○					
20.3	○	●	●	●	●	●	●	●	●					
20.4										●				
25.3	○	●	●	●	●	●	●	●	●	●				
25.4											●			
30.3	○	●	●	●	●	●	●	●	●	●	●			
30.4												●		
40.3	○	●	●	●	●	●	●	●	●	●	●	●		
40.4													●	
50.3	○	●	●	●	●	●	●	●	●	●	●	●	○	
50.4														■
60.3	○	●	●	●	●	●	●	●	●	●	●	●	○	
80.3	○	●	●	●	●	●	●	●	●	●	●	●	●	
100.3	○	●	●	●	●	●	●	●	●	●	●	●	●	■
125.3	○	○	○	○	○	○	●	●	●	●	●	●	●	■
150.3	○	○	○	○	○	○	●	●	●	●	●	●	●	■
200.3	○	○	○	○	○	○	●	●	●	●	●	●	●	■
250.3	○	○	○	○	○	○	●	●	●	●	●	●	●	■
300.3	○	○	○	○	○	○	●	●	●	●	●	●	○	

### Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2436.
Width B	25.3 mm =	025.
Thickness S	2.2 mm =	002.
Length L	500 mm =	0500
Order No	=	2923.2436. 025. 002. 0500



# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

1.2767 / X 45 NiCrMo 4  
Cold worked steel

2923.2767.

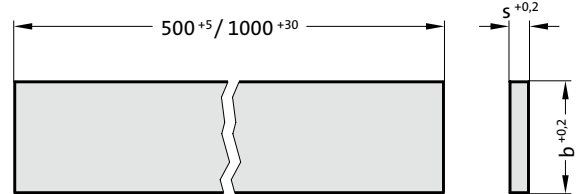


## Execution:

Thickness precision ground, width ground or milled, length machined

## Note:

- = available in 500 mm and 1000 mm lengths
- = only available in 500 mm lengths
- = only available in 1000 mm lengths



## 2923.2767. Precision flat and square bar steel with machining allowance, DIN 59350

s	4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	80.4	100.4
b																	
10.3	○	○	○	○													
10.4					●												
12.4						●											
15.3	○	○	○	○	○	○											
15.4							○										
20.3	○	○	○	●	●	●	●	■									
20.4									●								
25.3	○	○	○	●	●	●	●	■	●								
25.4										●							
30.3	○	○	○	●	●	●	●		●	●							
30.4											●						
32.3								■	■	■							
40.3	○	○	○	●	●	●	●	■	●	●	●	■					
40.4													●				
50.3	○	○	○	●	●	●	●	■	●	●	●	■	●				
50.4														●			
60.3	○	○	○	●	●	●	●		●	●	●		●	●			
60.4															■		
63.3								■	■	■	■	■	■	■	■		
70.3				■	■	■			■	■	■	■	■	■	■		
80.3	○	○	○	●	●	●	●	■	●	●	●	■	●	●	■		
80.4																■	
100.3	○	○	○	●	●	●	●	■	●	●	●	■	●	●	■	■	
100.4																	■
125.3				●	●	●	●	■	●	●	●	■	●	●	■	■	■
150.3				■	■	■	■	■	■	■	■	■	■	■	■	■	■
200.3				■	■	■	■	■	■	■	■	■	■	■	■	■	■
250.3				■	■	■	■	■	■	■	■	■	■	■	■	■	■
300.3				■	■	■	■	■	■	■	■	■	■	■	■	■	■

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2767.
Width B	25.3 mm =	025.
Thickness S	4.2 mm =	004.
Length L	500 mm =	0500
Order No	=	2923.2767. 025. 004. 0500

# PRECISION FLAT AND SQUARE BAR STEEL, DIN 59350

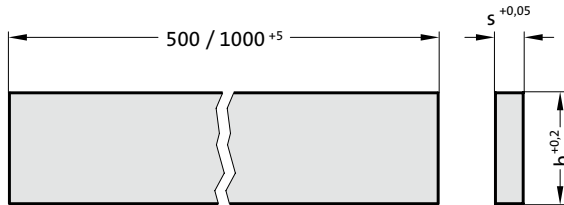
2922.2842.



**Material:**  
1.2842 / 90 MnCrV  
Cold worked steel

**Execution:**  
Thickness precision ground, width ground or milled, length machined

**Note:**  
● = available in 500 mm and 1000 mm lengths  
○ = only available in 500 mm lengths



## 2922.2842. Precision flat and square bar steel, DIN 59350

s	1	2	3	4	5	6	8	10	12	15	16	20	25	30	40	50	60
b																	
4				○													
5					○												
6						●											
8							●										
10	○	●	●	●	●	●	●	●									
12	○	●	●	●	●	●	●	●	●								
15	○	●	●	●	●	●	●	●	●	●							
16											●						
20	○	●	●	●	●	●	●	●	●	●		●					
25	○	●	●	●	●	●	●	●	●	●		●	●				
30	○	●	●	●	●	●	●	●	●	●		●	●	●			
35	○	●	●	●	●	●	●	●	●	●		●	●	●			
40	○	●	●	●	●	●	●	●	●	●		●	●	●	●		
50	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	
60	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
70	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
80	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
100	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
120	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
125	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
150	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
160	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
180	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
200	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
250	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
300	○	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●

### Ordering Code (example):

Precision flat and square bar steel, DIN 59350	=	2922.2842.
Width B	50 mm =	050.
Thickness S	1 mm =	001.
Length L	500 mm =	0500
Order No	=	2922.2842. 050. 001. 0500

# PRECISION FLAT AND SQUARE BAR STEEL WITH MACHINING ALLOWANCE, DIN 59350

## Material:

1.2842 / 90 MnCrV  
Cold worked steel

2923.2842.

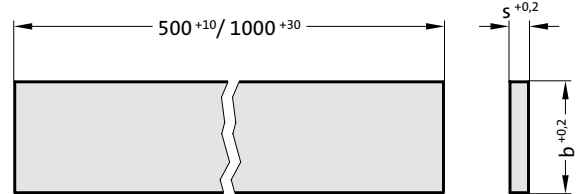


## Execution:

Thickness precision ground, width ground or milled, length machined

## Note:

- = available in 500 mm and 1000 mm lengths
- = only available in 1000 mm lengths



## 2923.2842. Precision flat and square bar steel with machining allowance, DIN 59350

s	2.2	3.2	4.2	5.2	6.2	8.2	10.4	12.4	15.4	16.4	20.4	25.4	30.4	32.4	40.4	50.4	60.4	80.4	100.4
10.3	○	○	○	○	○	○													
10.4							●												
12.4								●											
15.3	○	○	○	○	○	○	○	○											
16.4										○									
20.3	○	○	●	●	●	●	●	●	●	○									
20.4											●								
25.3	○	○	●	●	●	●	●	●	●	○	●								
25.4												●							
30.3	○	○	●	●	●	●	●	●	●	○	●	●							
30.4													●						
32.3			○	○	○	○	○	○	○	○	○	○							
32.4														○					
40.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○					
40.4															●				
50.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●				
50.4																●			
60.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●			
60.4																	●		
63.3			○	○	○	○	○	○	○	○	○	○	○	○	○	○			
70.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●			
80.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●			
80.4																		●	
100.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	
100.4																			●
120.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
125.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
150.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
160.3			●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
180.3			●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
200.3	○	○	●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
250.3			●	●	●	●	●	●	●	○	●	●	●	○	●	●		●	●
300.3						●	●	●	●	○	●	●	●					●	●

## Ordering Code (example):

Precision flat and square bar steel with machining allowance, DIN 59350	=	2923.2842.
Width B	30.3 mm =	030.
Thickness S	2.2 mm =	002.
Length L	1000 mm =	1000
Order No	=	2923.2842. 030. 002. 1000

# PRECISION FEELER GAUGE, FOIL SHIM



## Typical Applications:

- Tolerance measurements of internal and external dimensions
- Adjustment of tooling devices and machine parts.
- Testing of valve and piston clearances

## Material:

C-steel                      Material no. 1.1274  
 stainless steel            Material no. 1.4310

## 2925. Precision feeler gauge, Foil shim

	Precision feeler gauge Contents per can or ring						Foil shim Contents: Shims per pack			Technical specifications: Tensile strength N/mm <sup>2</sup>		
	5 m	10 m	5 m	5 m	5 m	5 m	10 Format 50×300 mm	5 Format 100×500 mm	5 Format 150×500 mm	Tolerance ± mm	for carbon steel	for stainless steel
Width mm ▶	12,7	12,7	6	25	50	100						
Thickness mm ▼												
0,005	▲	▲	–	–	–	▲	–	▲	–	0,001	–	>1500
0,01	▲	▲	–	▲	▲	▲	▲	▲	–	0,002	–	>1500
0,02	◆	◆	–	▲	▲	▲	▲	▲	–	0,002	2000–2200	>1500
0,03	◆	◆	–	◆	◆	▲	◆	▲	–	0,002	2000–2200	1500–1700
0,04	◆	◆	–	◆	◆	▲	◆	▲	–	0,003	2000–2200	1500–1700
0,05	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,003	2000–2200	1500–1700
0,06	◆	◆	–	◆	◆	▲	◆	▲	–	0,003	2000–2200	1500–1700
0,07	◆	◆	–	◆	◆	▲	◆	▲	–	0,004	2000–2200	1500–1700
0,08	◆	◆	–	◆	◆	▲	◆	▲	–	0,004	2000–2200	1500–1700
0,09	◆	◆	–	◆	◆	▲	◆	▲	–	0,004	2000–2200	1500–1700
0,10	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,004	2000–2200	1500–1700
0,12	◆	◆	–	–	◆	▲	◆	▲	–	0,004	2000–2200	1500–1700
0,15	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,005	2000–2200	1500–1700
0,20	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,006	1800–2100	1500–1700
0,25	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,007	1800–2100	1500–1700
0,30	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,007	1800–2100	1500–1700
0,35	◆	◆	–	–	◆	▲	◆	▲	–	0,008	1800–2000	1500–1700
0,40	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,009	1600–1900	1500–1700
0,45	◆	◆	–	–	◆	▲	◆	▲	–	0,009	1600–1900	1500–1700
0,50	◆	◆	◆	◆	◆	▲	◆	▲	▲	0,01	1600–1900	1500–1700
0,55	◆	◆	–	–	–	▲	–	▲	–	0,01	1600–1900	1500–1700
0,60	◆	◆	–	◆	◆	▲	◆	▲	–	0,01	1600–1900	1500–1700
0,70	◆	◆	–	◆	◆	▲	◆	▲	–	0,012	1600–1900	1500–1700
0,80	◆	◆	–	◆	◆	▲	◆	▲	–	0,013	1600–1800	1500–1700
0,90	◆	◆	–	◆	◆	▲	◆	▲	–	0,013	1600–1800	1500–1700
1,00	◆	◆	–	◆	◆	▲	◆	▲	–	0,013	1600–1800	1500–1700

Order No. Part II = Material

- ◆ C-steel                      Material no.: 1.1274 is 1
- ▲ Stainless steel            Material no.: 1.4310 is 2

### Ordering Code (example):

Precision feeler gauge		=	2925.
Material No.:	1.1274	=	1.
Thickness	0,07 mm	=	0070.
Width	12,7 mm	=	0012.
Length	10 m	=	10000
Order No		=	2925.1.0070.0012.10000

### Ordering Code (example):

Foil shim		=	2925.
Material No.:	1.4310	=	2.
Thickness	0,02 mm	=	0020.
Width	50 mm	=	050.
Length	300 mm	=	300
Order No		=	2925.2.0020.050.300