



# Measuring Tools

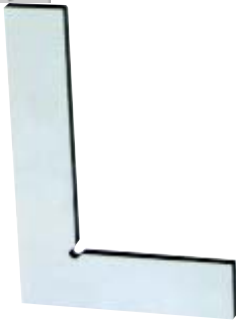
## MACHINISTS STEEL SQUARES

### Plain Type

- Accuracy: Workshop Grade/Plain Type
- Made of the finest steel.
- Beams and blades are ground and lapped to be straight and parallel.
- Hardened blade only.

Size	Description	Model No.
2-6"	4pcs/ set	650-8014
4-12"	4pcs/set	650-8006

Length of Blade	Length of Beam	Model No.
2"	1-1/2"	650-8022
3"	2-1/2"	650-8030
4"	3"	650-8048
6"	4"	650-8063
9"	5-1/2"	650-8097
12"	7"	650-8121
18"	10"	650-8147
24"	12"	650-8162

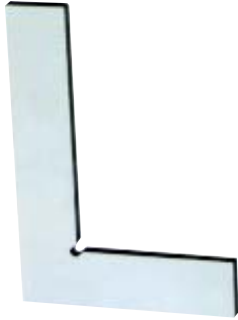


## QUALITY HARDENED STEEL SQUARES

### With Straight Edge, Accuracy Class 2

- Accuracy: 0.0008" + L/10,000
- Beam is grooved at inner corner.
- Beams and blades are accurately ground and lapped.
- Rockwell 55.

Length of Blade	Length of Beam	Model No.
1-3/8"	1"	650-7505
2-3/8"	1-3/8"	650-7510
3-1/8"	2"	650-7537
5"	3"	650-7552
6-3/4"	4"	650-7560
8-1/2"	5-1/8"	650-7586
10-1/2"	6-3/8"	650-7602
14"	6"	650-7610
18"	8"	650-7615



## QUALITY HARDENED STEEL SQUARES

### With Straight Edges, Thin Blade & Wide Beam Accuracy Class N

- Accuracy: 0.0002" + L/50,000
- Class N Squares have accurate right angles both inside and outside.
- Beam is grooved at inner corner for clearance of burr and dirt.
- Beams and blades are accurately ground and lapped for straightness and parallelism.
- All squares are fully hardened (Rockwell 55).
- Packed in individual carton.

Length of Blade	Length of Beam	Model No.
1-3/8"	1"	650-6205
2-3/8"	1-3/8"	650-6210
2-1/2"	1-1/2"	650-6224
3-1/8"	2"	650-6232
5"	3"	650-6257
6-1/4"	4"	650-6265
6-3/4"	4"	650-6270
7-7/8"	5"	650-6281
8-1/2"	5-1/8"	650-6285
10-1/2"	6-3/8"	650-6290



## QUALITY HARDENED STEEL SQUARES

### With Bevel Edge, Accuracy Class H

- Accuracy: 0.0008" + L/10,000
- Squares have accurate right angles both inside and outside.
- Made from a single piece of fully seasoned tool steel.
- Class H Blades are beveled on both edges of each side.
- Beam is grooved at inner corner for clearance of burr and dirt.
- Beams and blades are ground for straightness and parallelism.
- All squares are fully hardened (Rockwell 55).
- Packed in individual carton.

Length of Blade	Length of Beam	Model No.
1-3/8"	1"	650-7205
2-3/8"	1"	650-7210
2-3/8"	1-3/8"	650-7211
2-1/2"	1-1/2"	650-7222
3-1/8"	2"	650-7230
5"	3"	650-7255
6-1/4"	4"	650-7263
7-7/8"	5"	650-7289
8-1/2"	5-1/8"	650-7293
10-1/2"	6-3/8"	650-7296



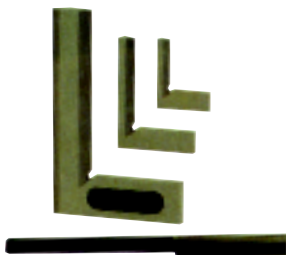
## DIE MAKERS SQUARE SET

"Die Makers" Square set" is ideal for the toolmaker working on precise miniature layouts. Sets consist of 3 hardened beveled edged squares 3/4", 1-1/4" and 2-3/8" plus a 1-1/2" triangular straight edged with handle. Sides of triangular straight edge are grooved in middle for clearance of burrs and dirt.

- All tools are hardened and ground, very finely finished and extremely accurate.
- Overall Length 4", Length of triangular section 1-1/2".
- Handle: length 2-1/2", diameter 1/4".
- Overall width of triangular straight edge 3/8".

**Model No. 650-7200**

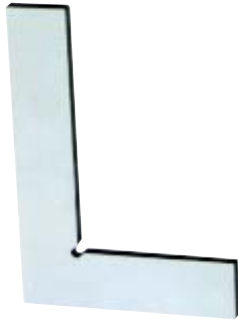
**Beveled Edge Squares : 3/4", 1-1/4", 2-3/8" and 1-1/2" Triangular straight edge.**





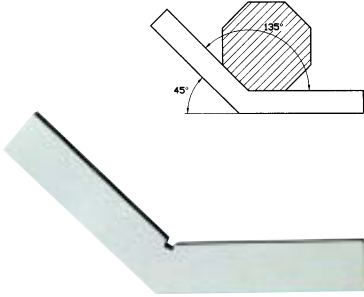
## DIN 875 SQUARES

### 90° Flat Squares



Range	Grade 0	Grade 0	Grade 1	Grade 1	Grade 2	Grade 2
	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
50x40mm	639-4105	638-4105	639-4205	638-4205	639-4305	638-4305
75x50mm	639-4110	638-4110	639-4210	638-4210	639-4310	638-4310
100x70mm	639-4115	638-4115	639-4215	638-4215	639-4315	638-4315
150x100mm	639-4120	638-4120	639-4220	638-4220	639-4320	638-4320
200x130mm	639-4130	638-4130	639-4230	638-4230	639-4330	638-4330
250x160mm	639-4132	638-4132	639-4232	638-4232	639-4332	638-4332
300x175mm	639-4136	638-4136	639-4236	638-4236	639-4336	638-4336
300x200mm	639-4135	638-4135	639-4235	638-4235	639-4335	638-4335

### 135° 120° Flat Squares



Range	135°				120°			
	Grade 1 Carbon Steel	Grade 1 Stainless Steel	Grade 2 Carbon Steel	Grade 2 Stainless Steel	Grade 1 Carbon Steel	Grade 1 Carbon Steel	Grade 2 Stainless Steel	Grade 2 Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
100x70mm	639-5005	638-5005	639-5105	638-5105	639-5055	638-5055	639-5155	638-5155
120x80mm	639-5010	638-5010	639-5110	638-5110	639-5060	638-5060	639-5160	638-5160
150x100mm	639-5015	638-5015	639-5115	638-5115	639-5065	638-5065	639-5165	638-5165
200x130mm	639-5020	638-5020	639-5120	638-5120	639-5070	638-5070	639-5170	638-5170
50x50mm	639-3005	638-3005	639-3105	638-3105	639-3205	638-3205	639-3305	638-3305
75x75mm	639-3010	638-3010	639-3110	638-3110	639-3210	638-3210	639-3310	638-3310
100x100mm	639-3015	638-3015	639-3115	638-3115	639-3215	638-3215	639-3315	638-3315
150x150mm	639-3020	638-3020	639-3120	638-3120	639-3220	638-3220	639-3320	638-3320
200x200mm	639-3025	638-3025	639-3125	638-3125	639-3225	638-3225	639-3325	638-3325

### 135° & 120° Wide Base Squares



Range	135°				120°			
	Grade 1 Carbon Steel	Grade 1 Stainless Steel	Grade 2 Carbon Steel	Grade 2 Stainless Steel	Grade 1 Carbon Steel	Grade 1 Carbon Steel	Grade 2 Stainless Steel	Grade 2 Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
100x70mm	639-6005	638-6005	639-6105	638-6105	639-6055	638-6055	639-6155	638-6155
120x80mm	639-6007	638-6007	639-6107	638-6107	639-6060	638-6060	639-6160	638-6160
150x100mm	639-6010	638-6010	639-6110	638-6110	639-6065	638-6065	639-6165	638-6165
200x130mm	639-6015	638-6015	639-6115	638-6115	639-6070	638-6070	639-6170	638-6170
250x160mm	639-6020	638-6020	639-6120	638-6120	639-6075	638-6075	639-6175	638-6175
300x175mm	639-6025	638-6025	639-6125	638-6125	639-6080	638-6080	639-6180	638-6180

### 90° Wide Base Knife Edge Squares



**Black Chrome-Plated  
Measuring Face**

Range	Grade 00 Carbon Steel	Grade 00 Stainless Steel	Grade 0 Carbon Steel	Grade 0 Stainless Steel	Grade 1 Carbon Steel	Grade 1 Stainless Steel	Grade 00 Carbon Steel	Grade 0 Carbon Steel	Grade 1 Carbon Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
50x40mm	639-4055	638-4055	639-4155	638-4155	639-4255	638-4255	639-4655	639-4755	639-4855
75x50mm	639-4060	638-4060	639-4160	638-4160	639-4260	638-4260	639-4660	639-4760	639-4860
100x70mm	639-4065	638-4065	639-4165	638-4165	639-4265	638-4265	639-4665	639-4765	639-4865
125x80mm	639-4067	638-4067	639-4167	638-4167	639-4267	638-4267	639-4667	639-4767	639-4867
150x100mm	639-4070	638-4070	639-4170	638-4170	639-4270	638-4270	639-4670	639-4770	639-4870
200x130mm	639-4074	638-4074	639-4175	638-4175	639-4275	638-4275	639-4675	639-4775	639-4875



# Measuring Tools

## DIN 875 SQUARES

### 90° Knife Edge Squares

Black Chrome-Plated  
Measuring Face



Range	00Grade Carbon Steel Model No.	00Grade Stainless Steel Model No.	0Grade Carbon Steel Model No.	0Grade Stainless Steel Model No.	00Grade Carbon Steel Model No.	0Grade Carbon Steel Model No.
25x20mm	639-1002	638-1002	639-1102	638-1102	639-1052	639-1152
40x28mm	639-1003	638-1003	639-1103	638-1103	639-1053	639-1153
50x32mm	639-1004	638-1004	639-1104	638-1104	639-1054	639-1154
50x40mm	639-1005	638-1005	639-1105	638-1105	639-1055	639-1155
63x40mm	639-1006	638-1006	639-1106	638-1106	639-1056	639-1156
75x50mm	639-1010	638-1010	639-1110	638-1110	639-1060	639-1160
80x50mm	639-1011	638-1011	639-1111	638-1111	639-1061	639-1161
100x63mm	639-1012	638-1012	639-1112	638-1112	639-1062	639-1162
100x70mm	639-1015	638-1015	639-1115	638-1115	639-1065	639-1165
125x80mm	639-1016	638-1016	639-1116	638-1116	639-1066	639-1166
150x100mm	639-1020	638-1020	639-1120	638-1120	639-1070	639-1170
160x100mm	639-1021	638-1021	639-1121	638-1121	639-1071	639-1171
200x125mm	639-1022	638-1022	639-1122	638-1122	639-1072	639-1172
200x130mm	639-1025	638-1025	639-1125	638-1125	639-1075	639-1175
300x200mm	639-1035	638-1035	639-1135	638-1135	639-1080	639-1180

### 90° Wide Base Squares



Range	0Grade Carbon Steel	0Grade Stainless Steel	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
50x40mm	639-2105	638-2105	639-2205	638-2205	639-2305	638-2305
75x50mm	639-2110	638-2110	639-2210	638-2210	639-2310	638-2310
100x70mm	639-2115	638-2115	639-2215	638-2215	639-2315	638-2315
125x80mm	639-2116	638-2116	639-2216	638-2216	639-2316	638-2316
150x100mm	639-2120	638-2120	639-2220	638-2220	639-2320	638-2320
200x130mm	639-2130	638-2130	639-2230	638-2230	639-2330	638-2330
250x160mm	639-2132	638-2132	639-2232	638-2232	639-2332	638-2332
300x175mm	639-2136	638-2136	639-2236	638-2236	639-2336	638-2336
300x200mm	639-2135	638-2135	639-2235	638-2235	639-2335	638-2335

### 90° Heavy Base Squares



Range	0Grade Carbon Steel	0Grade Stainless Steel	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
50x40mm	639-2155	638-2155	639-2255	638-2255	639-2355	638-2355
75x50mm	639-2160	638-2160	639-2260	638-2260	639-2360	638-2360
100x70mm	639-2165	638-2165	639-2265	638-2265	639-2365	638-2365
125x80mm	639-2166	638-2166	639-2266	638-2266	639-2366	638-2366
150x100mm	639-2170	638-2170	639-2270	638-2270	639-2370	638-2370
200x130mm	639-2175	638-2175	639-2275	638-2275	639-2375	638-2375
300x200mm	639-2180	638-2180	639-2280	638-2280	639-2380	638-2380

### 45° & 60° Flat Squares



Range	45°				60°			
	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
100x70mm	639-2710	638-2710	639-2810	638-2810	639-6310	638-6310	639-6410	638-6410
125x80mm	639-2712	638-2712	639-2812	638-2812	639-6312	638-6312	639-6412	638-6412
150x100mm	639-2715	638-2715	639-2815	638-2815	639-6315	638-6315	639-6415	638-6415
200x130mm	639-2720	638-2720	639-2820	638-2820	639-6320	638-6320	639-6420	638-6420
250x160mm	639-2725	638-2725	639-2825	638-2825	639-6325	638-6325	639-6425	638-6425
300x200mm	639-2730	638-2730	639-2830	638-2830	639-6330	638-6330	639-6430	638-6430

### 45° & 60° Squares With Wide Base



Range	45°				60°			
	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel	1Grade Carbon Steel	1Grade Stainless Steel	2Grade Carbon Steel	2Grade Stainless Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
100x70mm	639-1710	638-1710	639-1810	638-1810	639-6610	638-6610	639-6710	638-6710
125x80mm	639-1712	638-1712	639-1812	638-1812	639-6612	638-6612	639-6712	638-6712
150x100mm	639-1715	638-1715	639-1815	638-1815	639-6615	638-6615	639-6715	638-6715
200x130mm	639-1720	638-1720	639-1820	638-1820	639-6620	638-6620	639-6720	638-6720
250x160mm	639-1725	638-1725	639-1825	638-1825	639-6625	638-6625	639-6725	638-6725
300x200mm	639-1730	638-1730	639-1830	638-1830	639-6630	638-6630	639-6730	638-6730

# Measuring Tools

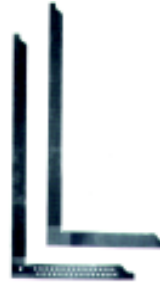


## 90° SQUARE WITH BASE, ZINC-PLATED



Size (mm)	Without base Model No.	With base Model No.
100x70	639-0205	639-0305
150x100	639-0210	639-0310
200x130	639-0215	639-0315
250x160	639-0220	639-0320
300x180	639-0225	639-0325
400x230	639-0230	639-0330
500x280	639-0235	639-0335
600x330	639-0240	639-0340
750x375	639-0245	639-0345
800x430	639-0247	639-0347
1000x500	639-0250	639-0350

## CARPENTER'S STEEL SQUARES CHROME-PLATED



Size (mm)	Without marking hole Model No.	With marking hole Model No.
500X250	639-0605	639-0705
600X280	639-0610	639-0710
700X300	639-0615	639-0715
800X320	639-0620	639-0720
1000X380	639-0625	639-0725

## FLANGE SQUARE, ZINC-PLATED



Size (mm)	Model No.
250X250	639-0403
300X300	639-0405
400X400	639-0410
500X500	639-0415
600X600	639-0420

## ADJUSTABLE SQUARES, ZINC-PLATED

Size (mm)	Model No.
150	639-0505
200	639-0510
250	639-0515
300	639-0520
400	639-0525
500	639-0530



## STRAIGHT EDGE RULERS, DIN874

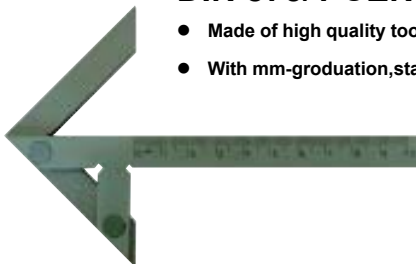
Black Chrome-Plated Measuring Face



Range	00Grade Carbon Steel	00Grade Stainless Steel	0Grade Carbon Steel	0Grade Stainless Steel	00Grade Carbon Steel	0Grade Carbon Steel
	Model No.	Model No.	Model No.	Model No.	Model No.	Model No.
50mm	639-7003	638-7003	639-7103	638-7103	639-7053	639-7153
75mm	639-7005	638-7005	639-7105	638-7105	639-7055	639-7155
100mm	639-7010	638-7010	639-7110	638-7110	639-7060	639-7160
125mm	639-7015	638-7015	639-7115	638-7115	639-7065	639-7165
150mm	639-7020	638-7020	639-7120	638-7120	639-7070	639-7170
200mm	639-7025	638-7025	639-7125	638-7125	639-7075	639-7175
250mm	639-7030	638-7030	639-7130	638-7130	639-7080	639-7180
300mm	639-7035	638-7035	639-7135	638-7135	639-7085	639-7185
400mm	639-7040	638-7040	639-7140	638-7140	639-7090	639-7190

## DIN 875/1 CENTER SQUARES

- Made of high quality tool steel
- With mm-graduation, stain chrome finished



Range	Model No.
100x70mm	639-2410
150x130mm	639-2415
200x150mm	639-2420
250x160mm	639-2425
300x180mm	639-2430

## UNIVERSAL BEVEL PROTRACTORS



Range	Reading Value	Model No.
0° to 320°	2"	635-7780

## LOCKING TYPE PROTRACTORS

Measuring Range: 0-180°



Dia. of Protractor	Length of Blade	Chrome-Plated Tool Steel	Stainless Steel
		Model No.	Model No.
80mm	120mm	635-7781	635-7881
120mm	150mm	635-7782	635-7882
150mm	200mm	635-7783	635-7883
200mm	300mm	635-7784	635-7884
300mm	500mm	635-7785	635-7885
300mm	600mm	635-7786	635-7886
300mm	800mm	635-7787	635-7887
400mm	600mm	635-7788	635-7888
400mm	800mm	635-7789	635-7889
400mm	1000mm	635-7790	635-7890

## RIVETING TYPE PROTRACTORS

Measuring Range: 0-180°



Dia. of Protractor	Length of Blade	Chrome-Plated Tool Steel	Stainless Steel
		Model No.	Model No.
80mm	120mm	635-8010	635-8110
120mm	150mm	635-8015	635-8115
150mm	200mm	635-8020	635-8120
200mm	300mm	635-8025	635-8125