



ARISTO

since 1861



Catalogue 2011

The roots reach back to the year 1862, when the company Dennert & Pape was founded in Hamburg as a workshop for geodesic and mathematical instruments (theodolites, levels, planimeters, and many other instruments).

The first slide rules made of boxwood were already being produced in 1872.



In 1888, mahogany scales with celluloid veneer replaced the boxwood slide rules.

Starting in 1936, slide rules and drawing instruments have been produced mainly from the newly developed plastic ARISTOPAL, which made the company a global market leader.

In the same year the introduction of the brand name ARISTO took place. Sometime later, the construction of a production facility in Austria was started.

Since 1956 both, the parent company in Hamburg and the subsidiaries, operate with the name ARISTO as part of the company name.

In 1961 the construction of the company building in Wörgl, Tyrol commenced.

In 1962 a new slide rule for elementary schools is introduced to the market under the name "Junior" and becomes a world hit.



The classic ARISTO Geo-Dreieck, a multifunctional set square for pupils, was developed in 1964 and is today an internationally registered trademark. In the meantime the GEO-Dreieck has been manufactured many millions of times and has advanced to being the standard drawing instrument in schools and



education for many countries.

In 1972 the first German pocket calculator is introduced to the market under the name ARISTO M27. It performs only the four basic arithmetical operations and costs a small fortune for the times. Subsequently, 20 additional models are developed and produced.

In the year 1976 ARISTO and its subsidiaries are sold to rotring in Hamburg due to a lack of succession.

In 1978 the production of slide rules is discontinued and shortly thereafter the entire pocket calculator offering is also removed from the product lineup.



From this time onward, the Austrian subsidiary was able to develop very independently.

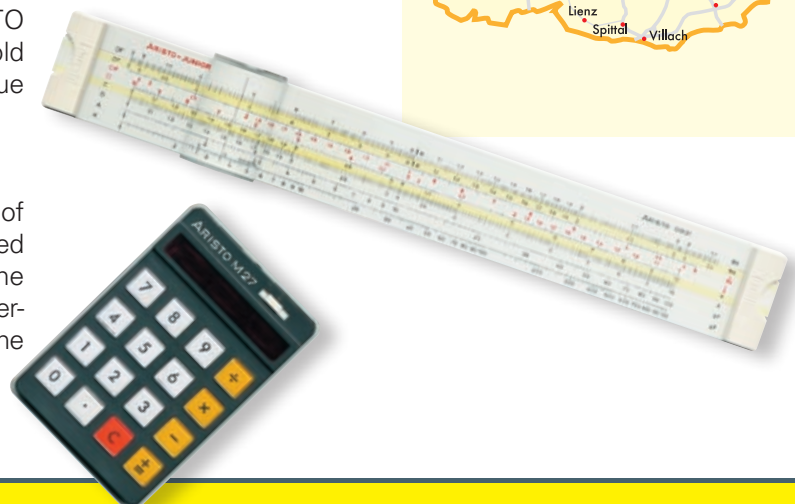
As a part of a management buyout, the factory and brand are now owned by the local management.

A larger product offering made it possible to become the leading Austrian supplier for technical drafting needs. Due to the know-how of the employees as well as the more efficient and cost-effective production, an increasing number of products, before being manufactured in Hamburg under the ARISTO brand, were transferred to Austria over the years, this process being completed in 2003



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*The today's teaching aids of pupils are tomorrow's
 teaching aids of technicians.*
 ~



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Drafting technology

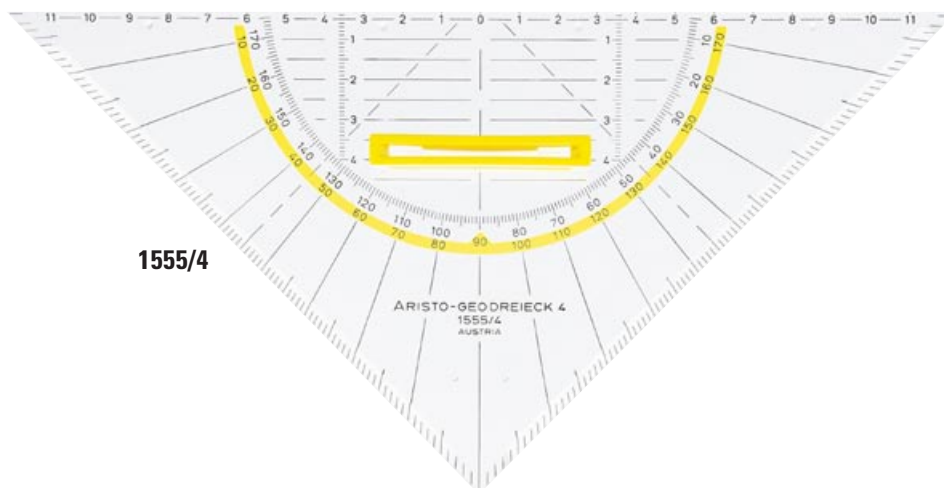
“When accuracy is essential!”
 The traditional brand par excellence in technical drafting.
 The absolute quality leader and also the market leader for the classic Geometry <Geo> and Technical Drawing <TZ> set squares.
 Drawing boards, compasses, fine lead mechanical pencils, technical drawing pens, and many other products make the brand a full-range supplier for highly precise manual technical drafting.
 The brand is especially well known and popular with students and apprentices.
www.aristo.at



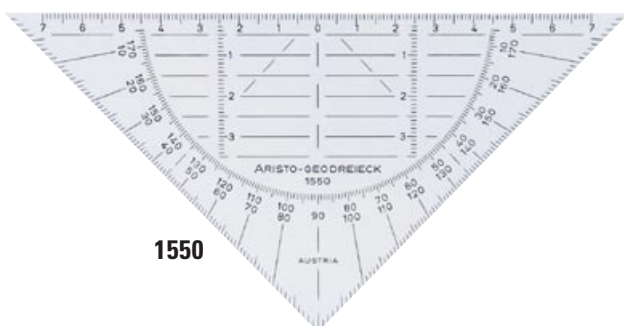
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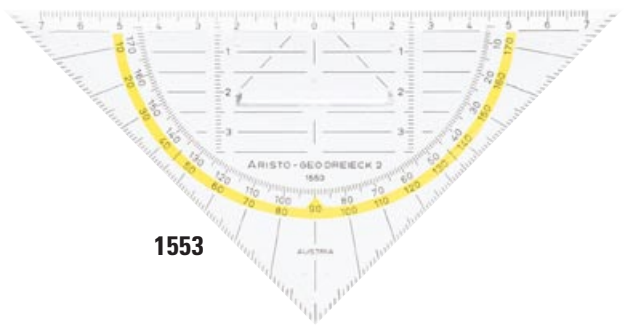
1555/4



1550



1552



1553



1762

The GEO-Dreieck® <geometry - set square> Developed by ARISTO, established as the standard drawing instrument for pupils and students at schools and universities as well as for professional use, is a registered trademark and protected by the international registration R337 300. That means, only the Aristo items are allowed to be called GEO-Dreieck <geometry-set square>. Furthermore, it complies with all requirements of ÖNORM A2134.

Geodreieck® 1550

160 mm hypotenuse without facet. Made of 0,75 mm glass-clear Astralon. Extremely flexible and hard to burst.

Geodreieck® 1552

The "Original" with facets on all three edges, bosses, without handle. Mat finished label to inscribe names.

Geodreieck® 1553

Like the "Original" but with fixed handle.

Geodreieck® 1555/2

Without illustration. Facet on the hypotenuse, (225 mm) with bosses and handle.

Geodreieck® 1555/4

With facet on all edges, bosses and removable handle.

Geosaver® 1762

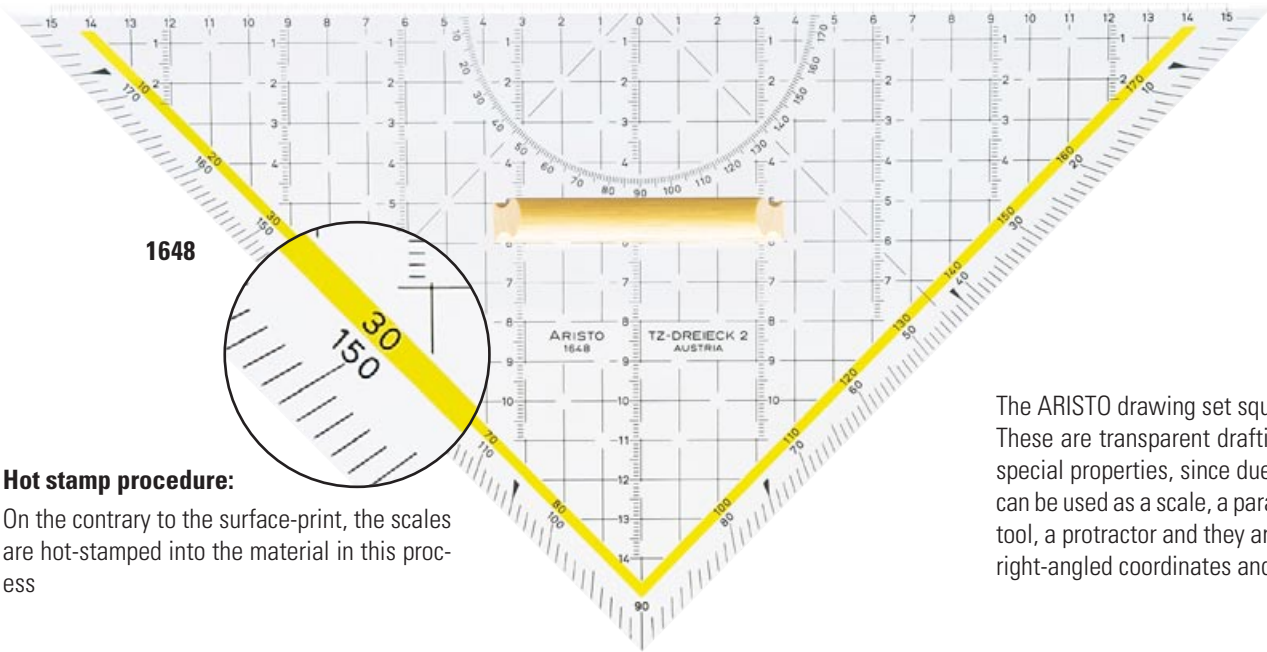
Protective cover for Geo-set square ARISTO 1552 16 cm hypotenuse. Geosaver® made from 1,2 mm plastic.



Bosses

Form a distance between drawing instrument and paper. Prevent smudging of inlines and protect the scale lines

Item No.	Bar code	Hypotenuse		
1550	9 003182 015504	16 cm		
1552	9 003182 015528	16 cm		
1553	9 003182 015535	16 cm		
1555/2	9 003182 155521	22,5 cm		
1555/4	9 003182 155545	25 cm		
1762	9 003182 017621	16 cm		

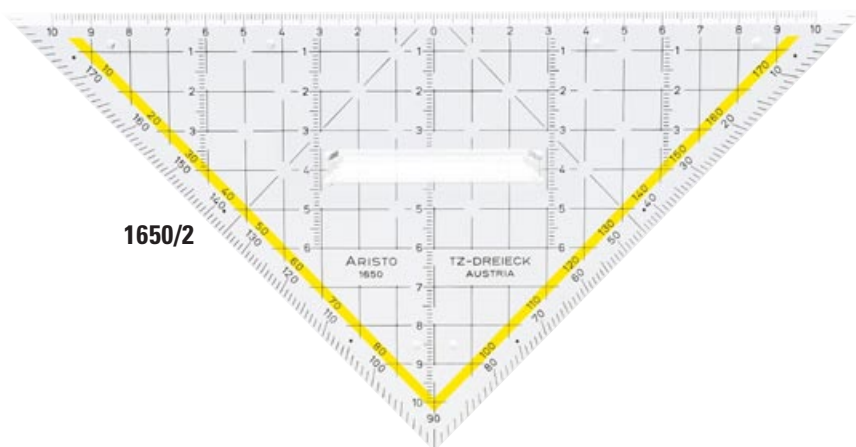


1648

Hot stamp procedure:

On the contrary to the surface-print, the scales are hot-stamped into the material in this process

The ARISTO drawing set squares
These are transparent drafting set squares with special properties, since due to their scales they can be used as a scale, a parallel ruler, a hatching tool, a protractor and they are a mapping tool for right-angled coordinates and polarcoordinates.



1650/2

TZ set square 1648

The top drawing tool with facet on the hypotenuse and exquisite, ergonomic wooden handle.

TZ set square 1648/T

Without illustration. Like 1648 but with bosses.

TZ set square 1648/2

Without illustration. Like 1648T but with fixed plastic handle.

TZ set square 1650/2

The "Classic" with facet on the hypotenuse, bosses and a fixed handle.



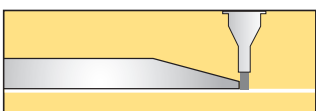
1651/2

TZ set square 1651/2

Like 1650/2 however with 400°(Gon) scale division, featuring centesimal degrees.

TZ set square 1650/3

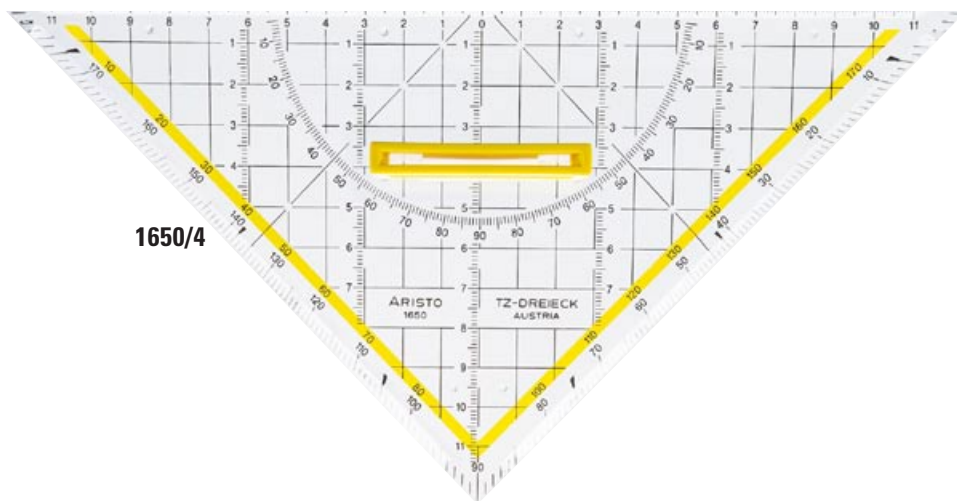
Without illustration. Facet on the hypotenuse, bosses and removable handle.



Facet

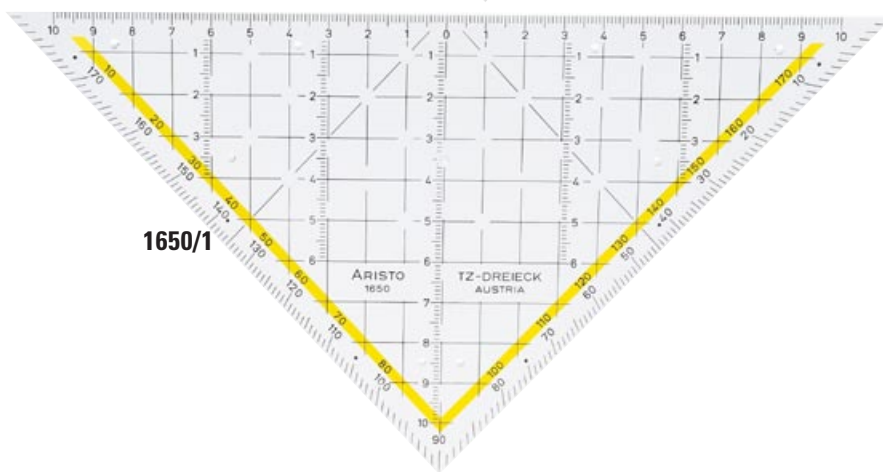
Bevelled edge for exact line guidance.

Item No.	Bar code	Hypotenuse		
1648	9 003182 016488	32,5 cm		
1648/T	9 003182 164813	32,5 cm		
1648/2	9 003182 164820	32,5 cm		
1650/2	9 003182 165025	22,5 cm		
1651/2	9 003182 165124	22,5 cm		
1650/3	9 003182 165032	22,5 cm		



1650/4

Crystal clear Plexiglas® is a registered trademark and one of the premium plastic materials. Colourless and clear as glass (fatigue-free reading of the scales), with optimal surface hardness (scratch resistance), high mechanical strength (pressure resistance), and ageing resistance (lifespan). A material which, due to its excellent properties, is also employed in such sensitive areas of application as optical technology and especially in medical technology.



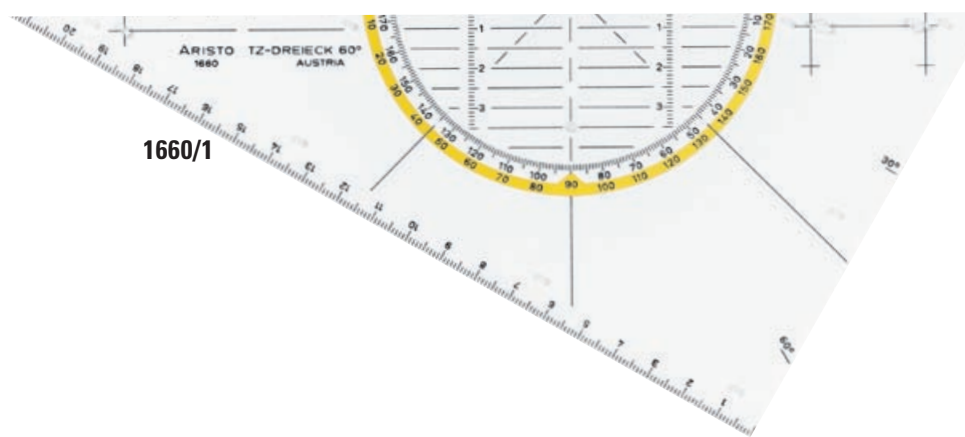
1650/1

TZ set square 1650/4

With facet on all three edges, bosses and removable handle.

TZ set square 1650/1

Without facet and handle but with bosses.



1660/1

TZ set square 1660/1

Irregular axis (60°) without facet and handle but with bosses. Additional stencil for measuring arrows and a circle stencil with \varnothing 1,8 mm on a gridline with crosshair.



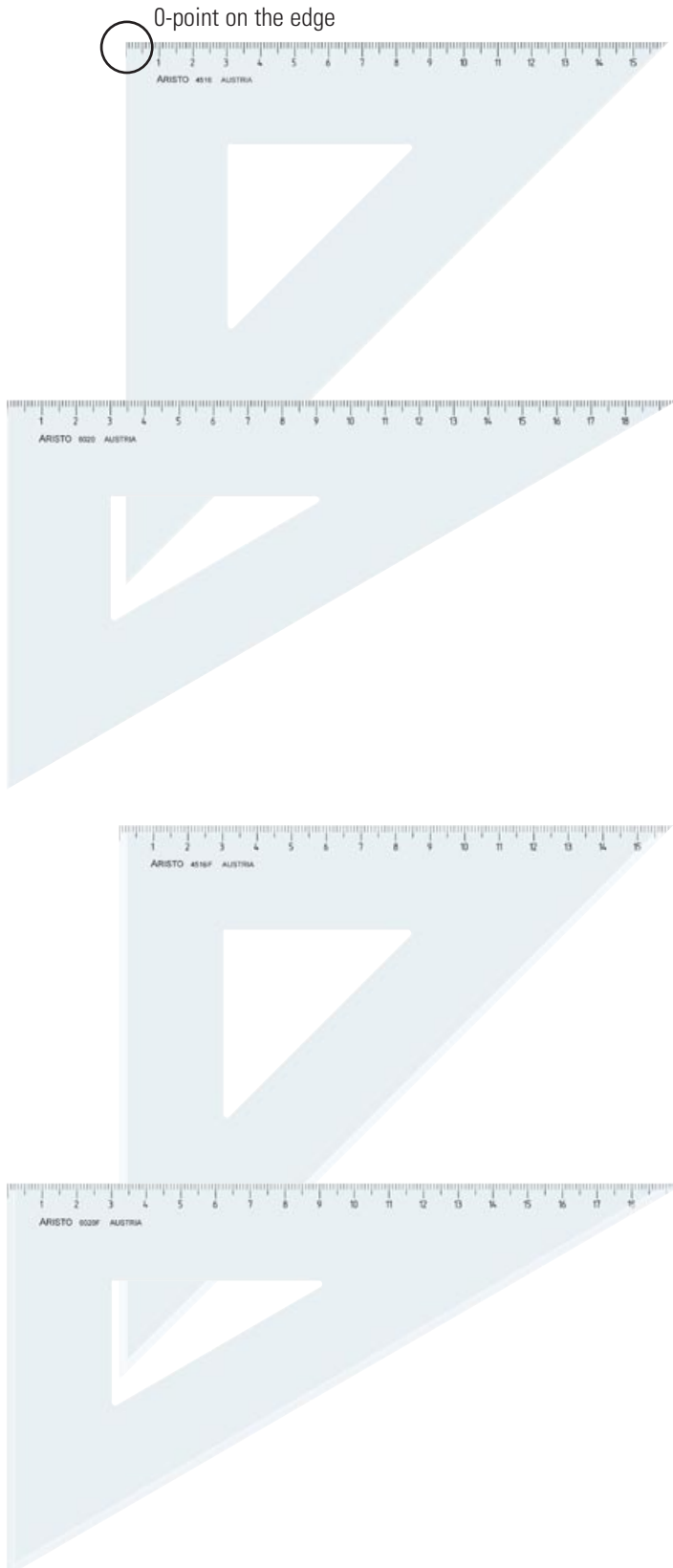
1767

Geosaver® 1767

Protective cover for Geo-set square ARISTO 1650/4 with 25 cm hypotenuse. Geosaver® made from 1,2 mm plastic.

Item No.	Bar code	Hypotenuse		
1650/4	9 003182 165049	25 cm		
1650/1	9 003182 165018	22,5 cm		
1660/1	9 003182 166015	26 cm		
1767	9 003182 017676	25 cm		

Set squares of incomparable quality. Made of PLEXIGLAS (glass clear acrylic): as clear as glass, thickness 2 mm, precise and durable scales due to the hot stamp procedure. Available with 45° or 60° angles with mm-scale and with or without facet.



Set squares 45° without facet

Item No.	Bar code	Leg / Hypotenuse		
4516	9 003182 045167	160 mm / 225 mm		
4519	9 003182 045198	190 mm / 269 mm		
4522	9 003182 045228	220 mm / 311 mm	EUR 3,27	
4526	9 003182 045266	260 mm / 368 mm	EUR 4,02	
4530	9 003182 045303	297 mm / 420 mm		
4534	9 003182 045341	346 mm / 490 mm		

Set squares 60° without facet

Item No.	Bar code	Leg / Hypotenuse		
6020	9 003182 060207	196 mm / 226 mm		
6023	9 003182 060238	226 mm / 262 mm		
6027	9 003182 060276	269 mm / 311 mm		
6031	9 003182 060313	311 mm / 360 mm	EUR 4,02	
6037	9 003182 060375	368 mm / 425 mm	EUR 5,42	
6042	9 003182 060429	420 mm / 485 mm		

Set squares 45° with facet on all edges

Item No.	Bar code	Leg / Hypotenuse		
4516F	9 003182 451616	160 mm / 225 mm		
4519F	9 003182 451913	190 mm / 269 mm		
4522F	9 003182 452217	220 mm / 311 mm	EUR 3,91	
4526F	9 003182 452613	260 mm / 368 mm	EUR 4,59	
4530F	9 003182 453016	297 mm / 420 mm		
4534F	9 003182 453412	346 mm / 490 mm		

Set squares 60° with facet on all edges

Item No.	Bar code	Leg / Hypotenuse		
6020F	9 003182 602018	196 mm / 226 mm		
6023F	9 003182 602315	226 mm / 262 mm		
6027F	9 003182 602711	269 mm / 311 mm		
6031F	9 003182 603114	311 mm / 360 mm	EUR 4,59	
6037F	9 003182 603718	368 mm / 425 mm	EUR 6,02	
6042F	9 003182 604210	420 mm / 485 mm		

1433



1432



1431



lengths up to 100 cm

15030, 15050 and 16100

With rubber insert against slipping



15230

With stainless steel cutting-insert



Rulers made of PLEXIGLAS® (glass clear acrylic).

Thickness 2-2,5 mm. 1 mm scale. With facet, up to 1m length.

Glass clear rulers with scale

Item No.	Bar code	Scale
1431	9 003182 014316	15 cm
1432	9 003182 014323	20 cm
1433	9 003182 014330	30 cm
1434	9 003182 014347	40 cm
1435	9 003182 014354	50 cm
1436	9 003182 014361	60 cm
1438	9 003182 014385	80 cm
1440	9 003182 014408	100 cm

Aluminium rulers with precise mm-scale and with integrated rubber strip underneath to prevent slipping.

The item 15230 has an additional stainless steel insert for cutting.

Aluminium and cutting rulers

Item No.	Bar code	Scale
15030	9 003182 150304	30 cm, with anti slipping rubber insert
15050	9 003182 150502	50 cm, with anti slipping rubber insert
16100	9 003182 161003	100 cm, anti slipping rubber insert
15230	9 003182 152308	30 cm, with stainless steel cutting edge
15430	9 003182 154302	Transparent ruler with cutting edge, 30 cm
15450	9 003182 154500	Transparent ruler with cutting edge, 50 cm

Cutting rulers 15430 and 15450

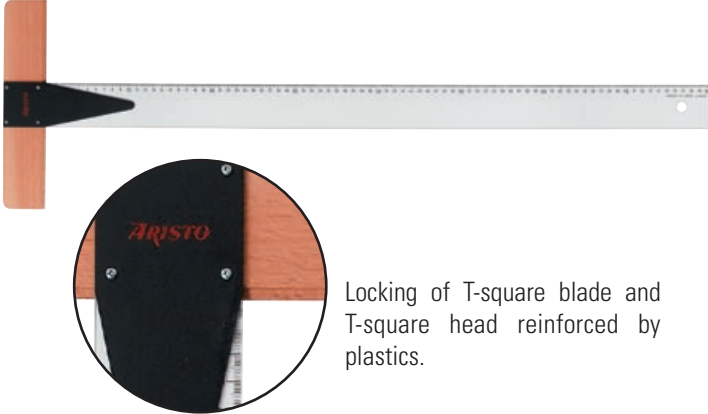
Made of transparent PLEXIGLAS® with cutting edge of stainless steel.



T-square 1907 without scale.



T-square 1908T with scale.



Locking of T-square blade and T-square head reinforced by plastics.

T-squares made of PLEXIGLAS® and beechwood. Alternatively with or without hot-stamp scales. For professional use in school and at work.

Item No.	Bar code		
1906/T	9 003182 190614	T-square 60 cm with Scale	
1907	9 003182 019076	T-square 70 cm without Scale	
1907/T	9 003182 190713	T-square 70 cm with Scale	
1908	9 003182 019083	T-square 80 cm without Scale	
1908T	9 003182 190812	T-square 80 cm with Scale	
1910	9 003182 019106	T-square 100 cm without Scale	
1910/T	9 003182 191017	T-square 100 cm with Scale	
1912	9 003182 019120	T-square 120 cm without Scale	
1912/T	9 003182 191215	T-square 120 cm with Scale	

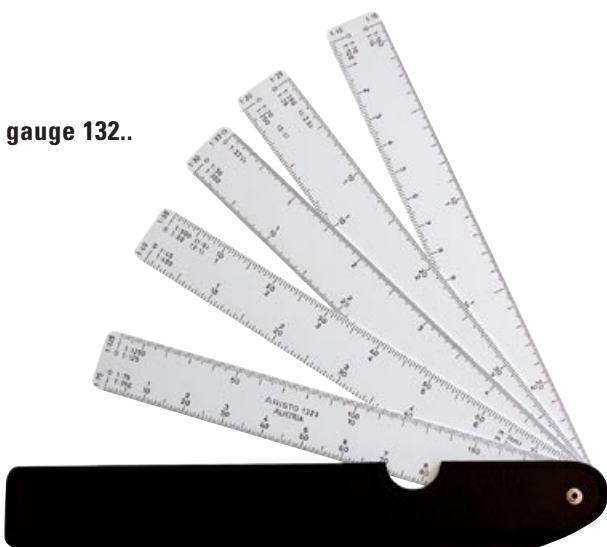
Triangular reduction scales. Highest quality, with three coloured groove helps to find the correct reduction scale fast. Length 30 cm



Triangular gauge 1314/..

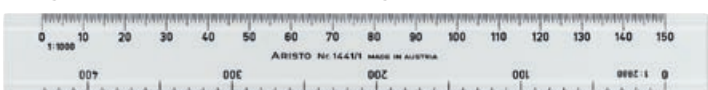
Item No.	Bar code	Reductions (1:)	
1314/1	9 003182 131419	:15 :20 :25 :33 1/3 :50 :100	
1314/2	9 003182 131426	:100 :200 :250 :300 :400 :500	
1314/3	9 003182 131433	:20 :25 :50 :75 :100 :125	
1314/4	9 003182 131440	:2,5 :5 :10 :20 :50 :100	
1314/5	9 003182 131457	:20 :25 :33 1/3 :50 :75 :100	
1314/6	9 003182 131464	:500 :1000 :1250 :1500 :2000 :2500	
1314/7	9 003182 131471	:25 :50 :100 :200 :1440 :2880	

Pocket gauge 132..



Pocket gauge: A handy gauge in pocket size with a lot of reduction scales. In an exclusive leather case. Precisely stamped scales.

Gauge ruler 1441/1 made of Plexiglas®



Item No.	Bar code	Reductions (1:)	
1322	9 003182 013227	:625 :750 :1000 :1250 :1500 :2000 :2500 :5000	
1323	9 003182 013234	:10 :15 :20 :25 :30 :33 1/3 :40 :50 :75 :125	
1441/1	9 003182 144112	:20 :25 :50 :75 :100 :125	

Geo-Board 7044 and 7033

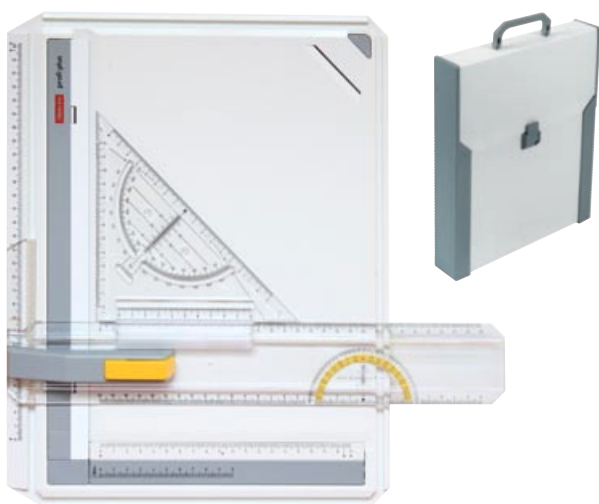


Geo-Board

Professional drawing board, the basis for the engineers of tomorrow

- Solid guide track for smooth straightedge movement
- "L" system for full use of the upper edge of the straightedge at the very bottom edge of the paper.
- Ergonomic grip with push-button stop-and-go mechanism. Free-running mechanism.
- Additional corner clamp (A3).
- Antislip protection cast-in on the lower side of the board.
- Magnetic clamping rail with windows for controlling the paper margin.
- Integral compass plotting scale for picking off radii quickly.

**Profi Plus Board 7045 and 7035 in Studio-Case
7046 and 7036 in cardboard case**



Profi Plus-Board

- Graduation with markings for format and paper margin.
- Solid guide track for smooth straightedge movement.
- 2 magnetic paper clamps with central push-button operation, with viewing holes for checking alignment of the paper.
- Ergonomic grip with push-button stop and-go mechanism. Freerunning mechanism.
- "L" system for full use of the upper edge of the straightedge at the very bottom edge of the paper.

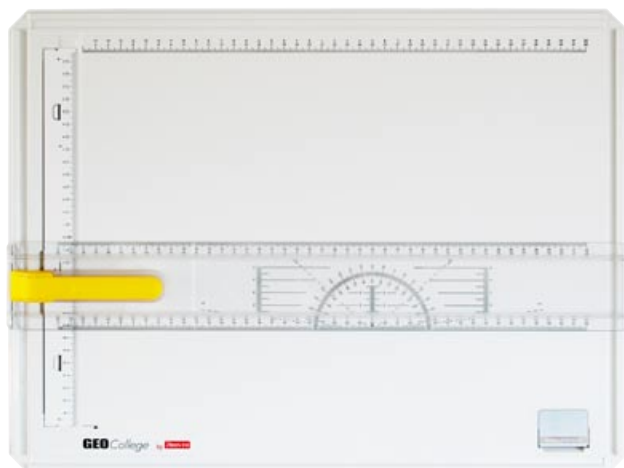
Comes with Rapid Set square and inclination elements

College-Board

The economical drawing board

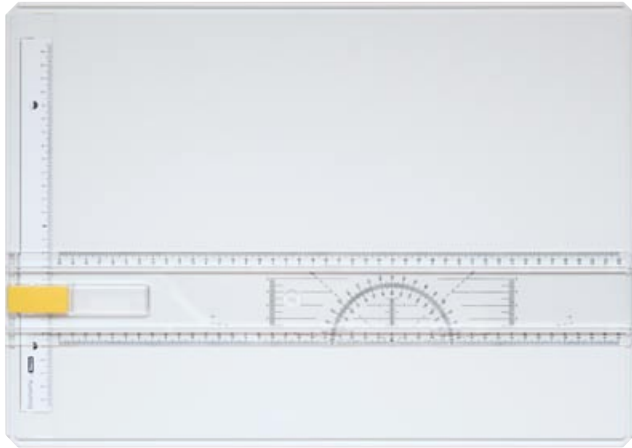
- Graduation with markings for format and paper margin.
- Magnetic paper clamps with central push-button operation and viewing holes for checking alignment of the paper.
- Additional clamp to secure the paper sheet
- Ergonomical grip with push-button stop-and-go mechanism.

GEOCollege-Board 7040 and 7030



Item No.	Bar code	Format		
7044	9 003182 070442	A4		
7033	9 003182 070336	A3		
7045	9 003182 070459	A4		
7046	9 003182 070466	A4		
7035	9 003182 070350	A3		
7036	9 003182 070367	A3		
7040	9 003182 070404	A4		
7030	9 003182 070305	A3		

Economy-Board 7031



Economy-Board

Handle with integrated stopping rocker for locking the T-square. Magnetic clamping rail with windows for controlling the paper margin. Protractor with opposite scale. Board made of shock-resistant plastic. Antislip protection cast-in on the lower side of the board.

Studio Case A4 and A3 emty

The convenient and robust plastic case to transport the ARISTO drawing boards A3 and A4.

Carry Bag

This practical and solid bag features pockets and separations inside, for different drawing tools. The wide shoulder belt is allowing comfortable transport. With a trendy red/black colour combination this bag is definitely an attractive unit.

Rapid set square 7090

For direct measuring and drawing horizontal and vertical lines. For direct and indirect measuring and drawing angles and for hatching

Small drawing head 7092

15° indexing. Free-running mechanism and hatching aid.

Drawing head 7094

15° indexing, precision adjustment of any angle, contrarotating scale 0 - 90°, blocking mechanism on the straightedge and hatching aid.

Drafting stencil Design II 7096

Lots of angles surface symbols, dimension arrows, line directions for standard lettering. 7°/42° - angles for diametrical illustration according to DIN5. Hatching tool.

Studio Case

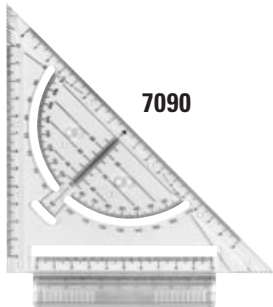


Carry Bag



Drawing board tilter

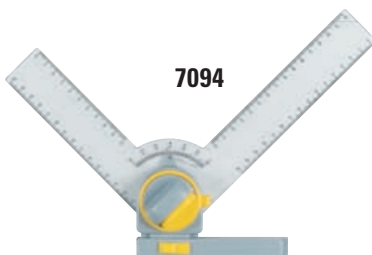
1 pair = 7088



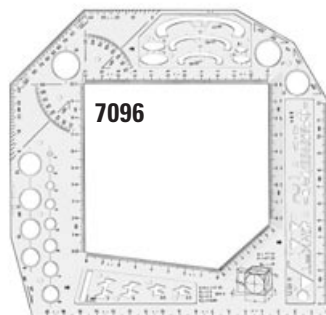
7090



7092



7094



7096

Item No.	Bar code	Format		
7031	9 003182 070312	A3		
7063	9 003182 070633	A3		
7064	9 003182 070640	A4		
7073	9 003182 070732	A3		
7074	9 003182 070749	A4		
7088	9 003182 070886			
7090	9 003182 070909			
7092	9 003182 070923			
7094	9 003182 070947			
7096	9 003182 070961			



ZMTK1 PROFI - complete drafting machine A1

Like "ZMT1", with high-precision aluminium guide track, fourfold ball bearing and mounted parallel straight edge this system is the tool, where professionals cannot and do not want to do without. Other specifications are similar to "ZM1" respectively "ZMT1".



Ball bearing on straight edge

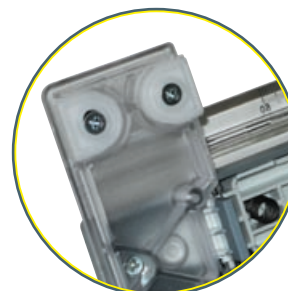


Studio Drafting machine with drawing board ZMT 7011 and 7012

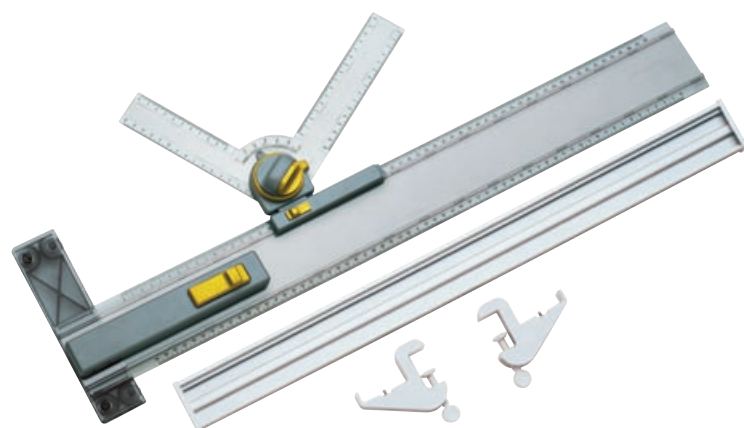
The plastic-coated drawing board in combination with the drafting machine "ZM" is the ideal beginners equipment for the education as engineer and serves for professionals where CAD is not economical.

- Board size A2 600 x 700 mm (ZMT2)
- Board size A1 700 x 1000 mm (ZMT1)

Plastic-coated drawing board, board tilter, 4 positions, with antislip protection.



Plain bearing



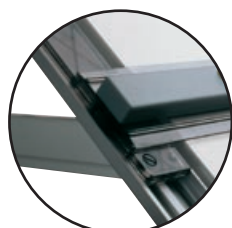
Drafting machine ZM1/ZM2 without table

High-precision aluminium guide track with plastic plain bearing. Fast mounting on drawing boards or any other table with a smooth surface. With two special clamps for tables up to 30 mm thickness.

- parallel straight edge with "stop and go"-mechanism and free running mechanism.
- Including drawing head 7094
- For paper size A2 (594 x 420mm) respectively A1 (840 x 594 mm)



Drawing head 7094



4 step board tilter

Item No.	Bar code			
7001	9 003182 070015	complete drafting machine A1, (ball bearing)		
7011	9 003182 070114	drafting machine with table, A1		
7012	9 003182 070121	drafting machine with table, A2		
7021	9 003182 070213	drafting machine without table, A1		
7022	9 003182 070220	drafting machine without table, A2		



General purpose compass 55030

With one hinge, exchangeable lead insert, length 135 mm, for circles up to 360 mm Ø.

Small compass without hinge 55035

Like 55040, but with spare leads and lead sharpener.

Small compass without hinge 55040

Of zinc die-casting, in a duroplastic box.

Insert compass 55050

Like 55030 but legs made of brass.

Insert compass with one hinge 55058

Without illustration. Like 55050, but with additional extension bar 59940 for circles of a higher diameter.



College Compass-Set 55903

Including compass 55050 and accessories as follows:

- Small bow compass length 95 mm
- Extension bar
- Dividers
- Holder, Ø 3,5 mm
- Lead box

Item No.	Bar code	length / max. circle Ø		
55030	9 003182 550302	135 mm / up to 360 mm		
55035	9 003182 550357	115 mm / up to 240 mm		
55040	9 003182 550401	115 mm / up to 240 mm		
55050	9 003182 550500	135 mm / up to 360 mm		
55058	9 003182 550586	135 mm / up to 460 mm		
55903	9 003182 559039	6 pcs.		



55010



55220



55371

Insert compass without hinges 55010
Fast and smooth radius adjustment. Convenient handhold depressions. Pivot: 3,5 mm.

Insert compass without hinges 55018
Without illustration. Like 55010, but with extension bar and universal compass adapter..

Insert compass 55210
Compass with universal adapter, matt nickel plated, 2 hinges, hole for inserts 3,5 mm.

Insert compass 55220
With telescope mechanism on one leg, matt nickel plated, 2 hinges, inserts Ø 3,5 mm.

Master bow compass 55371
Head and grip made of plastics. Without hinges, precise and rapid adjusting of the radi due to the middle wheel.



55933



55210

Compass-Set 55933
(7 pieces) – matt nickel-plated – general purpose compass with one hinge, extension bar, small bow compass, plain dividers, ruling pen and holder, lead box.

Item No.	Bar code	length / max. circle Ø		
55010	9 003182 550104	130 mm / up to 320 mm		
55018	9 003182 550180	130 mm / up to 320 mm		
55210	9 003182 552108	150 mm / up to 400 mm		
55220	9 003182 552207	150 mm / up to 500 mm		
55371	9 003182 553716	170 mm / up to 360 mm		
55933	9 003182 559336	7 pcs.		



55700



55670

Rapid adjustment compass 55700

With lever mechanism and middle-wheel for precise adjustment of the radius. For circles up to \varnothing 340 mm. Pivot: 4 mm.

Rapid adjustment compass 55705

Without Illustration. Like 55700, but with additional universal adapter.

Rapid adjustment compass 55708

Without Illustration. Like 55700, but with additional extension bar.

Rapid adjustment compass 55670

With adapter for technical drawing ink pens, mat nickle-plated, two hinges, hole for inserts \varnothing 4,0 mm.



55820



55850

Rapid adjustment compass Ellipsoid 55820

A modern shape for a classic instrument - the new rapid adjustment compass from ARISTO. Both legs with patented hinges, precise wheel-adjustment optimal ballance point.

Rapid adjustment compass 55850

Like 55820, but with lever mechanism.

Item No.	Bar code	length / max. circle \varnothing		
55700	9 003182 557004	170 mm / up to 340 mm		
55705	9 003182 557059	170 mm / up to 340 mm		
55708	9 003182 557080	170 mm / up to 340 mm		
55670	9 003182 556700	165 mm / up to 320 mm		
55820	9 003182 558209	170 mm / up to 340 mm		
55850	9 003182 558506	170 mm / up to 340 mm		



Rapid adjustment compass Silver 55630

A classical compass. Silver varnished. Both legs with hinges. Precise and fast adjusting of the radi due to the lever mechanism.

Rapid adjustment compass 5549..

Geometry compass with rapid adjusting spindle and hinges on both legs. Hole for inserts 3,5 mm.

.0 - leg in silver

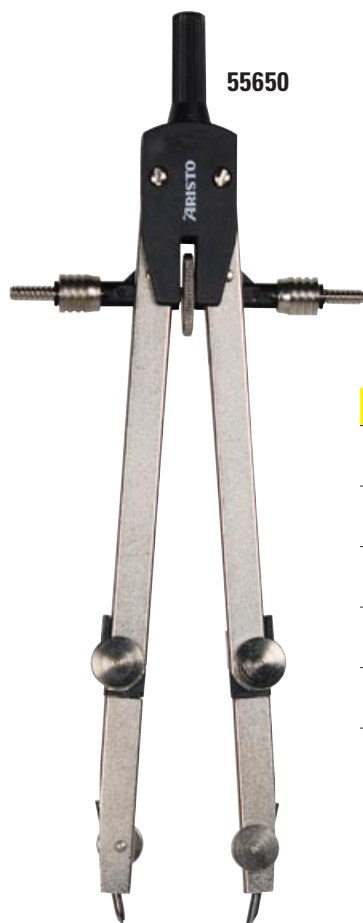
.3 - leg in blue

Rapid adjustment compass 55620

With two hinges. Precise and easy adjustment of the radius. Middle wheel for maximum precision. Ergonomic. For circles up to Ø 360 mm. For inserts of 4 mm.

Rapid adjustment compass 55628

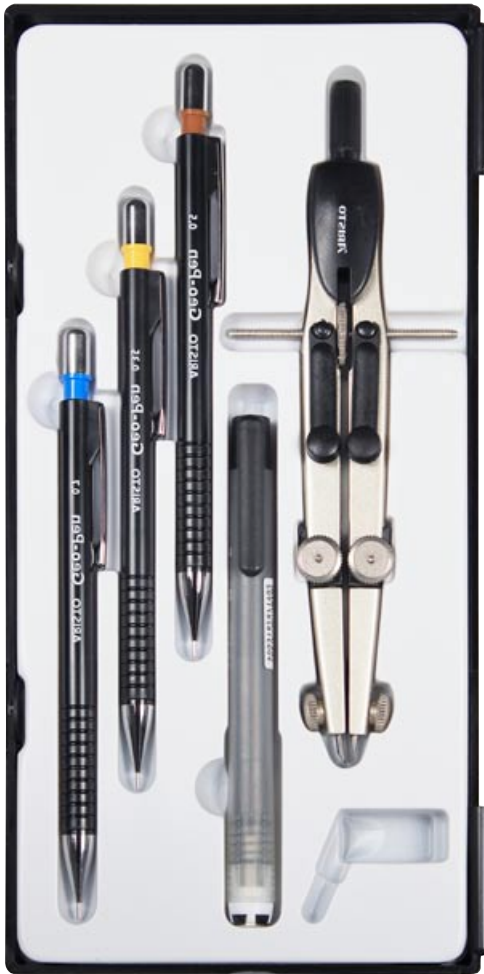
Without illustration. Like 55620 but with extension bar.



Rapid adjustment compass 55650

Economic compass for pupils. Rapid adjusting due to middle wheel. Mat nickle-plated, with two hinges. Hole for inserts Ø 4,0 mm.

Item No.	Bar code	length / max. circle Ø		
55630	9 003182 556304	170 mm / up to 340 mm		
55490	9 003182 551903	170 mm / up to 320 mm		
55493	9 003182 551927	170 mm / up to 320 mm		
55620	9 003182 556205	170 mm / up to 360 mm		
55628	9 003182 556281	170 mm / up to 360 mm		
55650	9 003182 556502	175 mm / up to 340 mm		



80069

Compass set 80068

- Rapid adjustment compass with middle wheel, two hinges. Inclusive universal-adapter.
- GEOCollege-Liner 0,5
- Fibre-tip pen with pigmented ink, water resistant, lightfast, reproducible.
- Geo-Pen 0,5
- Fine lead mechanical pencil with eraser and colour code.
- Lead - eraser Geo B 020

80068



Compass set 80069

- Rapid-adjustment compass with middle wheel and two hinges.
- Geo-Pen fine lead mechanical pencil with eraser and colour code 0,3 | 0,5 | 0,7
- Geo-Lead-Eraser

Compass set 80088

Consists of

- College-Liners 0.5 and 0.7 mm,
- Fine lead mechanical pencils Geo-Pen 0.5 mm including 12 replacement leads,
- Rapid adjustment compass including replacement leads,
- Universal compass adapter for drafting tools up to 11.5 mm Ø,
- Extension bar for increasing the compass radius and
- Pencil eraser



80088

Item No.	Bar code			
80068	9 003182 800681	5 pcs.		
80069	9 003182 800698	5 pcs.		
80088	9 003182 800889	9 pcs.		



Patented hinge:
The screw ① and the integrated nut ② prevent, if fixed, the accidental shift of the hinge.



The ultimate school compass in nine exciting colour combinations.
An attractive tool, in a modern design

- Ergonomically shaped grip zone
- Fast moving middle wheel

Product description:
Material: Coated metal hinges
Head and grip made of coloured plastics
Length: 170 mm
Hinges: Both legs with hinges
Radius: For circles up to Ø 360 mm
Function: Fast and precise adjustment with middle wheel
Accessories: Tube with 2 spare leads



Item No.	Bar code	Colour		
55723	9 003182 557233	fresh blue		
55724	9 003182 557240	fresh green		
55726	9 003182 557264	fresh orange		
55725	9 003182 557257	popular Granny Smith		
55728	9 003182 557288	popular blackberry		
55747	9 003182 557479	black&white		
55782	9 003182 557820	maroon		
55787	9 003182 557875	black/silver		



Rapid adjustment compass fresh

Rapid adjustment compass with lever mechanism and middle wheel for precise adjustment of the radius. For circles up to \varnothing 340 mm. Pivot: 4 mm. Length 170 mm

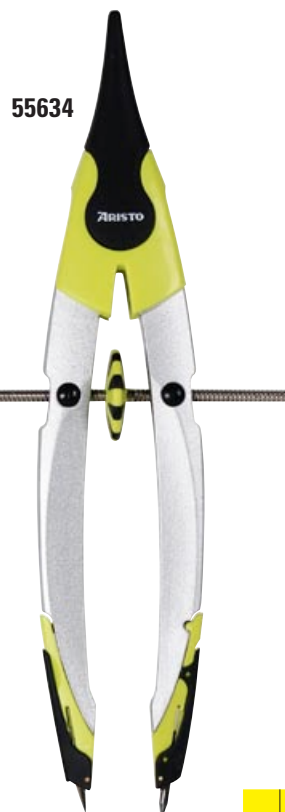
Rapid adjustment compass ACM

Legs made from diecast zinc. Head, needle- and leadholder made from coloured plastic.

Rapid adjustment middlewheel spindle for precise adjustment.

Functional levers for easy interchange of the needle and the lead.

Accessories: Box with spare leads, universal adapter in a modern plastic folding case for easy set up on the desk.



Item No.	Bar code	length / max. circle \varnothing		
55334	9 003182 553341	170 mm / 340 mm		
55336	9 003182 553365	170 mm / 340 mm		
55633	9 003182 556335	170 mm / 340 mm		
55634	9 003182 556342	170 mm / 340 mm		
55636	9 003182 556366	170 mm / 340 mm		



Small bow compass 55435

With lead insert, matt nickel plated, precise adjustment for small circles by middle wheel.

Rapid adjustment compass 55510

Rapid adjustment compass, matt nickel plated. The traditional rapid adjustment compass with solid lever mechanism and middle wheel for precise adjustment. Both legs with hinge. Length 170 mm for radii up to 400 mm dia. inclusive universal adapter.

Rapid adjustment compass 55518

Same as 55510 without adapter, but with extension bar 59950 for circles with a Ø of 640 mm.

Rapid adjustment compass 55750

Rapid adjustment compass with convex profile, the absolute ultimate instrument, matt nickel plated lever mechanism and middle wheel for precise settings. Both legs with hinge.

Rapid adjustment compass 55770

Rapid adjustment compass with fixed drawing pen adapter and fine lead mechanical pencil insert, matt nickel plated, lever mechanism, hole for inserts of 4,0 mm. Also contains an additional extension bar.



Compass set 55953

(8 pieces) – matt nickel-plated – general purpose compass, extension bar, dividers, small reversible compass, pump compass, ruling pen and holder, lead box.

Item No.	Bar code	length / max. circle Ø		
55435	9 003182 554355	100 mm / 100 mm		
55510	9 003182 555109	170 mm / 400 mm		
55518	9 003182 555185	170 mm / 640 mm		
55750	9 003182 557509	170 mm / 420 mm		
55953	9 003182 559534	8 pcs.		
55770	9 003182 557707	175 mm / 320 mm		



Compass spare leads 59973

Box of spare parts 59598

Ruling pen 59820

Beamcompass 59000

For circles up to 1.280mm dia. 2 aluminium-section beams with a length of 330 mm per beam. 2 runners for 3,5 mm shank dia., coupling for beam-sections, 3,5 mm compass attachment, 0,5 mm fine lead insert, lead insert, needle insert, rulingpen insert and lead box.

Compass spare leads 59973

5 boxes of 6 compass spare leads each.

Compass spare parts 59598

260 pcs. compass spare part box with the most important spare parts like needles, leads and spindles

Ruling pen 59820

With holder. 116 mm.

Universal Compass insert 59850

For shank dia. 3,5 and 4 mm. For instruments with a shank up to 11,5 mm.

Universal Compass insert 59855

Without illustration. like 59850, but in rubyred.

Universal Compass insert 59860

Black

Combi insert 59870

To convert from lead to ink use. For shank dia 3,5 and 4 mm. 90° swivel.



Universal Compass insert 59850



Universal Compass insert 59860



Spare leads 59970
Box of 2 leads.



Universal Compass insert 59855



Universal Compass insert 59870



Fine lead insert 59900

With button mechanism for 0,5mm leads. For use with compasses equipped with graphic pen insert.



Extension bar 59940

– matt nickel-plated, 90 mm for insert compass.



Extension bar 59950

Extension bar for shank dia. 4 mm, length 150 mm, black.

Extension bar 59955

Like 59950 but in ruby red

Cutter insert 59975

– For use in any lead insert instead of pencil lead. Stainless steel blade. Peg dia. 2.0 mm. For paper up to 160 g/m².



Item No.	Bar code			
59000	9 003182 590001	Beam compass		
59973	9 003182 599738	Spare leads		
59598	9 003182 595983	Box of compass spare parts		
59820	9 003182 598205	Ruling pen		
59850	9 003182 598502	Compass adapter		
59855	9 003182 598557	Compass adapter		
59860	9 003182 598601	Compass adapter		
59870	9 003182 598700	Combi insert		
59970	9 003182 599707	Spare leads		
59900	9 003182 599004	Fine lead insert		
59940	9 003182 599400	Extension bar		
59950	9 003182 599509	Extension bar		
59955	9 003182 599554	Extension bar		
59975	9 003182 599752	Cutter insert		



mg1 Technical drawing pen

The mg1, an absolutely easy to use technical drawing pen, ready for action. For precision and reliability. The short, modern technical pen features easy handling, constant ink flow, and a revolutionary refill system without changing cartridges.

Chromium plated pen tip, cap easily removable by pressing the clip, refillable, colourcode for line widths.

Available line widths:

0,10 / 0,13 / 0,18 / 0,20 / 0,25 / 0,30 / 0,35 / 0,40 / 0,50 / 0,60 / 0,70 / 0,80 / 1,00 / 1,20 / 1,40 / 2,00 mm.



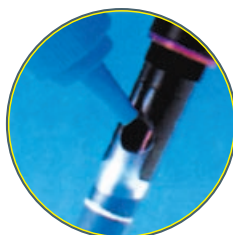
Double-sealed drafting pen.
No drying up – less cleaning.



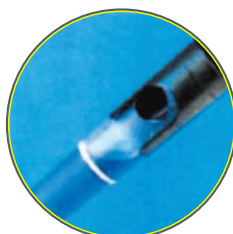
Easy handling with one hand.
Click, cap off – ready to work,
click, cap on – firmly closed.



Durable, chrome-plated
drafting pen nib.
Does not drip or smudge.



Easy and clean refilling. No
need to buy expensive refills.



Ink level always visible due
to the transparent barrel.

Item No.	Bar code			
63010	9 003182 630103	Technical drawing pen 0,10 mm		
63013	9 003182 630134	Technical drawing pen 0,13 mm		
63018	9 003182 630189	Technical drawing pen 0,18 mm		
63020	9 003182 630202	Technical drawing pen 0,20 mm		
63025	9 003182 630257	Technical drawing pen 0,25 mm		
63030	9 003182 630301	Technical drawing pen 0,30 mm		
63035	9 003182 630356	Technical drawing pen 0,35 mm		
63040	9 003182 630400	Technical drawing pen 0,40 mm		
63050	9 003182 630509	Technical drawing pen 0,50 mm		
63060	9 003182 630608	Technical drawing pen 0,60 mm		
63070	9 003182 630707	Technical drawing pen 0,70 mm		
63080	9 003182 630806	Technical drawing pen 0,80 mm		
63100	9 003182 631001	Technical drawing pen 1,00 mm		
63120	9 003182 631209	Technical drawing pen 1,20 mm		
63140	9 003182 631407	Technical drawing pen 1,40 mm		
63200	9 003182 632008	Technical drawing pen 2,00 mm		



64150

mg1 Studio set

Including three alternatively 4 technical drawing pens mg1 (0,3/0,5/0,7 mm), a fine lead mechanical pencil 0,5 mm with 12 pcs. refill lead, 23ml ink refill black, a universal compass insert and an ink/lead eraser

64150 – 0.35 / 0.50 / 0.70

64151 – 0.20 / 0.35 / 0.70

64152 – 0.25 / 0.35 / 0.50 / 0.70

mg1 Professional set

Including three technical drawing pens mg1 (0,3/0,5/0,7 mm) with 23ml ink refill black, a rapid adjustment compass with fine lead insert 0,5 mm, an extension bar and selected spare parts.

64170 – 0.35 / 0.50 / 0.70

64151 – 0.20 / 0.35 / 0.70

mg1 3 pcs. set

Including three technical drawing pens mg1 and 23 ml ink refill black.

64300 – 0.35 / 0.50 / 0.70

64301 – 0.20 / 0.35 / 0.70

64170



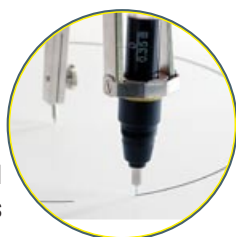
64300



Print of an ink pen drawing of the Stephans Cathedral in Vienna by the artist Helmut Huber



Standard - ink pen with lettering stencil.



A well-rounded design - technical drawing pen mg1 on a compass

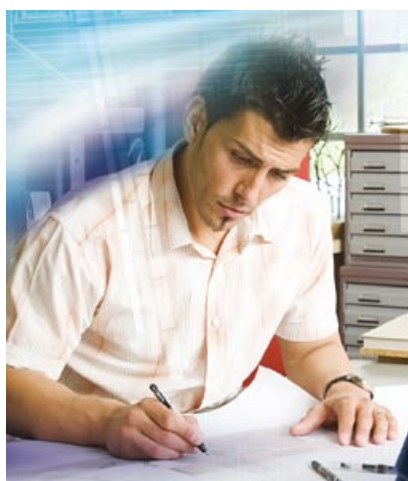
Item No.	Bar code			
64150	9 003182 641505	8 pcs.		
64151	9 003182 641512	8 pcs.		
64152	9 003182 641529	9 pcs.		
64170	9 003182 641703	7 pcs.		
64171	9 003182 641710	7 pcs.		
64300	9 003182 643004	4 pcs.		
64301	9 003182 643011	4 pcs.		

mg1 replacement nib



Eraser „GEO TB“

Combined eraser for pencil and ink lines. (2/3 lead-eraser, 1/3 ink-eraser). Page 39.



Item No.	Bar code			
64010	9 003182 640102	mg1 replacement nib	0,10 mm	
64013	9 003182 640133	mg1 replacement nib	0,13 mm	
64018	9 003182 640188	mg1 replacement nib	0,18 mm	
64020	9 003182 640201	mg1 replacement nib	0,20 mm	
64025	9 003182 640256	mg1 replacement nib	0,25 mm	
64030	9 003182 640300	mg1 replacement nib	0,30 mm	
64035	9 003182 640355	mg1 replacement nib	0,35 mm	
64040	9 003182 640409	mg1 replacement nib	0,40 mm	
64050	9 003182 640508	mg1 replacement nib	0,50 mm	
64060	9 003182 640607	mg1 replacement nib	0,60 mm	
64070	9 003182 640706	mg1 replacement nib	0,70 mm	
64080	9 003182 640805	mg1 replacement nib	0,80 mm	
64100	9 003182 641000	mg1 replacement nib	1,00 mm	
64120	9 003182 641208	mg1 replacement nib	1,20 mm	
64140	9 003182 641406	mg1 replacement nib	1,40 mm	
64200	9 003182 642007	mg1 replacement nib	2,00 mm	
64803	9 003182 648030	technical drawing ink	red, 23 ml	
64805	9 003182 648054	technical drawing ink	yellow, 23 ml	
64807	9 003182 648078	technical drawing ink	green, 23 ml	
64809	9 003182 648092	technical drawing ink	blue, 23 ml	
64814	9 003182 648146	technical drawing ink	brown, 23 ml	
64817	9 003182 648177	technical drawing ink	black, 23 ml	
64818	9 003182 648184	technical drawing ink	white, 23 ml	
64850	9 003182 248506	Reiniger für technical	drawing inkfüller, 100 ml	

mg1 Drafting ink

Free flowing, high opacity and adhesiveness, fast drying and water proof, insusceptible to fingerprints on the drawing surface, resistant against ARISTO „B“ lead erasers, light-resistant, can be photocopied





mg1 Cleaner 100 ml

For cleaning Aristo mg1 ink pens and drafting pens. Application: Use undiluted in a cleaning container.

GEOCollege FLP

A design classic for drawing lines, sketching and writing.

- Rigid leadguide for precise drawing and writing
 - With colourcode ring indicating the linewidth
 - Twistable ring for the adjustment of the used degree of hardness •
- Twistable ring for the adjustment of the used degree of hardness








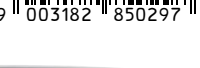
Item No.	Bar code	Shank / line width mm		
23553	 9 003182 235537	black / 0,35		
23555	 9 003182 235551	black / 0,5		
23557	 9 003182 235575	black / 0,7		
23559	 9 003182 235599	3 pcs. set in black, 0,35 0,5 0,7		



Geo-Pen

Metal tip with rigid leadguide, ergonomically waved gripzone, metal clip, eraser with colourcode for lead-width.







Equipped with HB-lead. Lead-widthes 0,3 / 0,5 and 0,7 mm.

Item No.	Bar code	Shank / line width mm		
85003	 9 003182 850037	black / 0,35		
85005	 9 003182 850051	black / 0,5		
85007	 9 003182 850075	black / 0,7		
85009	 9 003182 850099	3 pcs. set in black, 0,35 0,5 0,7		
85023	 9 003182 850235	rubyred / 0,35		
85025	 9 003182 850259	rubyred / 0,5		
85027	 9 003182 850273	rubyred / 0,7		
85029	 9 003182 850297	3 pcs. set in rubyred, 0,35 0,5 0,7		



WD1

Fully flush metal tip with lead suspension. The new "Zero Slider" system makes sure that the last mm of lead is used. Ergonomic soft-grip, metal clip, eraser, colour code for lead-width. Filled with HB-leads. Line-widths 0,5 and 0,7 mm.

Item No.	Bar code	Shank / line width mm		
85103	 9 003182 851034	black / 0,35		
85105	 9 003182 851058	black / 0,5		
85107	 9 003182 851072	black / 0,7		
85109	 9 003182 851096	3 pcs. set in black, 0,35 0,5 0,7		
85115	 9 003182 851157	blue / 0,5		
85117	 9 003182 851171	blue / 0,7		



WD1 Tec

Function as with WD1, in a unique design, with „Maxi“-eraser. Fully flush metal tip with lead suspension. The new “Zero Slider” system makes sure that the last mm of lead is used. Ergonomic soft-grip, metal clip, eraser, colour code for lead-width. Filled with HB-leads. Line-widths 0,5 and 0,7 mm.

Item No.	Bar code	Shank / line width mm
85175	9 003182 851751	black / 0,5
85177	9 003182 851775	red / 0,7



D1

Absolute top drawing instrument for professionals. With rigid lead-guide, ergonomic soft-grip, metal clip, „Maxi“-eraser, colourcode for lead-width next to the gripzone. Filled with HB-lead. Lead-widths 0,3 / 0,5 and 0,7 mm.

Item No.	Bar code	Shank / line width mm
82503	9 003182 825035	black / 0,35
82505	9 003182 825059	black / 0,5
82507	9 003182 825073	black / 0,7



DW3

A high end drawing pen for professionals. Metal tip with rigid lead-guide, soft ergonomic gripzone, metal clip and “Maxi“-eraser.

Item No.	Bar code	Shank / line width mm
82750	9 003182 827503	black / 0,5



FMS 2,0 mm

The classic clutch pencil, for drawing, sketching and writing. The size of the leads is similar to the leads in wood case pencils.

- holder in black
- clip, push button and grip zone made of metal
- with twistable hardness indicator
- Integrated lead sharpener

Item No.	Bar code	Shank / line width mm
82850	9 003182 828500	black / 2,0
86208	9 003182 862085	6 pcs. spare leads



Spare erasers for fine lead mechanical pencils



Item No.	Bar code	Pcs. / for fine lead pencil
86913	9 003182 869138	5 pcs. / FLP
86915	9 003182 869152	5 pcs. / Geo-Pen, WD1
86917	9 003182 869176	3 pcs. / W1, D1, 3fit
86919	9 003182 869190	3 pcs. / DK2

W1

Metal writing tip with spring-mounted lead guide and fully automatic lead feed for continuous writing and sketching. With semi automatic retraction mechanism and the new "ZERO-SLIDER" system, which ensures that the lead can be used down to the last millimeter. Soft, ergonomically shaped grip, metal clip, removable "Maxi"-eraser, supplied with HB leads. Lead Ø 0.5 and 0.7 mm.



Item No.	Bar code	Shank / line width mm		
85205	9 003182 852055	anthrazite / 0,5		
85207	9 003182 852079	anthrazite / 0,7		
85225	9 003182 852253	rubyred / 0,5		
85227	9 003182 852277	rubyred / 0,7		
85245	9 003182 852451	green / 0,5		
85247	9 003182 852475	green / 0,5		

3fit

The ergonomical tool for long-term use. Triple-edge rubber grip, fully retractable metal writing tip. Metal clip, removable "Maxi"-eraser, supplied with HB leads. Pencil colour metallic blue.



Item No.	Bar code	Shank / line width mm		
85305	9 003182 853052	metallic blue / 0,5		
85307	9 003182 853076	metallic blue / 0,7		
85309	9 003182 853090	metallic blue / 0,9		
85313	9 003182 853137	metallic blue / 1,3		
85345	9 003182 853458	matt silver / 0,5		



Polymer refills for fine lead mechanical pencils

Strong, flexible and easy to erase.

Item No.	Bar code	Hardness / line width mm		
86308	9 003182 863082	HB / 0,35		
86338	9 003182 863389	2H / 0,35		
86368	9 003182 863686	B / 0,35		
86508	9 003182 865086	HB / 0,5		
86528	9 003182 865284	H / 0,5		
86538	9 003182 865383	2H / 0,5		
86568	9 003182 865680	B / 0,5		
86578	9 003182 865789	2B / 0,5		
86588	9 003182 865888	3B / 0,5		

Item No.	Bar code	Hardness / line width mm		
86708	9 003182 867080	HB / 0,7		
86738	9 003182 867387	2H / 0,7		
86768	9 003182 867684	B / 0,7		
86778	9 003182 867783	2B / 0,7		
86908	9 003182 869084	HB / 0,9		
86928	9 003182 869282	H / 0,9		
86938	9 003182 869381	2H / 0,9		
86978	9 003182 869787	2B / 0,9		
86138	9 003182 861385	HB / 1,3		
86178	9 003182 861781	2B / 1,3		



A convenient fine lead mechanical pencil or pigment liner is as important for technical drawings as precise drawing set squares, rulers or stencils. Exact and even line widths are absolutely essential for detailed drawings. No one can offer more ideal drafting tools than the drafting tool professional ARISTO.

GeoCollege Pigment liner

With lightfast and waterproof pigmented ink. Stainless steel casing of the fibre tip for precise drawing line with available line-widths 0,1/0,3/0,5 and 0,7 mm. Ideal for drawing using rulers, templates and fit for writing as well. Colour coding for each line width.

80087



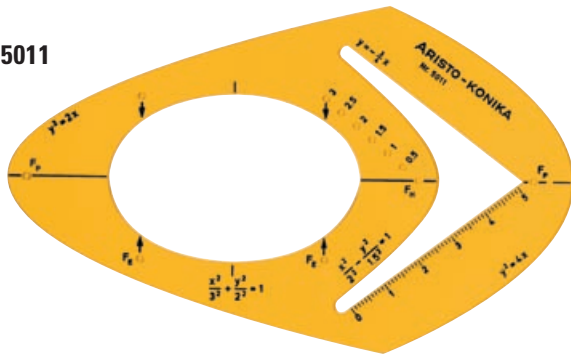
Pigment liners can be used with Duo-Combi stencils

Pigment liner school set

Including: three fibre tip pens College-Liner, a fine lead mechanical pencil Geo-Pen 0,5 mm with 12 refill leads and an Aristo eraser B 030. 80087 – 0,3 / 0,5 / 0,7

Item No.	Bar code	Line width mm		
23515	9 003182 235155	0,05		
23501	9 003182 235018	0,1		
23502	9 003182 235025	0,2		
23503	9 003182 235032	0,3		
23504	9 003182 235049	0,4		
23505	9 003182 235056	0,5		
23507	9 003182 235070	0,7		
23508	9 003182 235087	0,8		
23511	9 003182 235117	0,1 / 0,3 / 0,5		
23513	9 003182 235131	0,3 / 0,5 / 0,7		
80087	9 003182 800872	0,3 / 0,5 / 0,7		

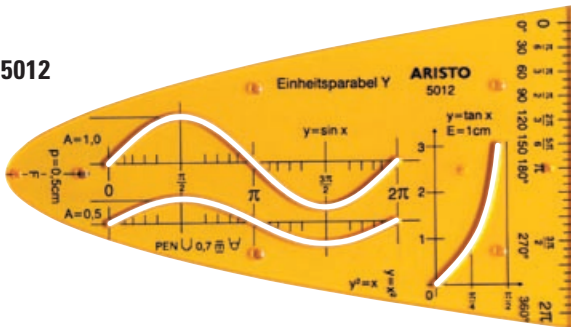
5011



Conic section template (Konika) 5011

Combines an ellipse, a hyperbola with asymptotes, and two parabolas in one device. The equations, focal points and axes are provided. Bores for drawing circles using two pencils and a 0-5 cm scale complete this instrument.

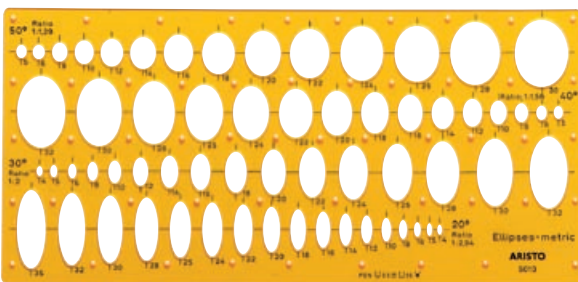
5012



Parabolic function curve Y, 5012

Standard parabola with curves for trigonometric functions, with n scales, sinus-cosinustangens (E-function).

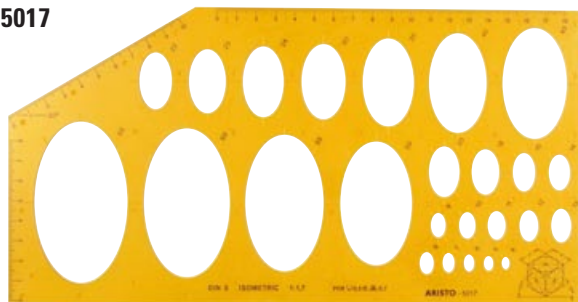
5013



Ellipse template 5013

Four projection angles 20° (1:2,94), 30° (1:2), 40° (1:1,56) and 50° (1:1,29). Major axis 4 (5) - 30 (32/35) mm, 62 ellipses, size graduation 1/2/3 mm. With ink-bosses. Format 260 x 125 x 1mm.

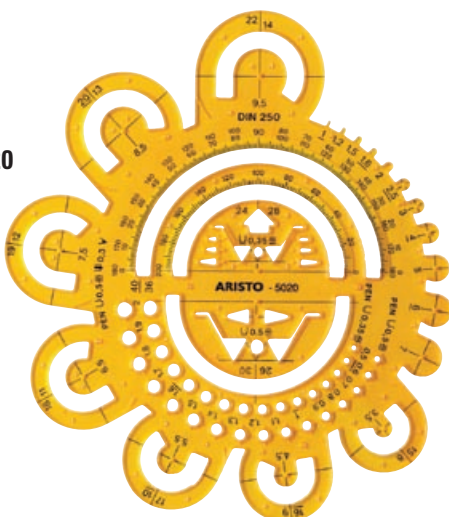
5017



Ellipse template "isometric" 5017

25 ellipses with isometric axis, 4 to 65 mm, axis ratio: 1:1,7 (35°16'). Format: 295 x 150 x 1,2 mm.

5020

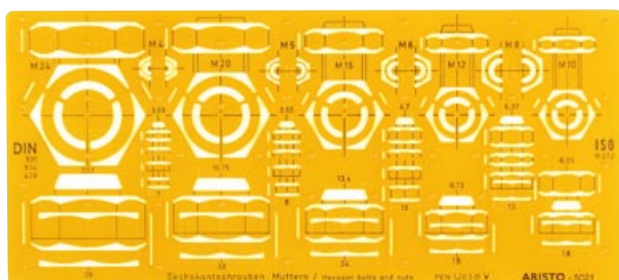


Radius template 5020

Radii from 0,5 to 40 mm with centric drilling, axial imprint, circle tangent, protractor 180° and 200° and surface symbols. With ink-bosses. Format 162 x 162 x 1,5 mm. DIN 250, DIN ISO 1302, DIN 250, DIN ISO 1302.

Item No.	Bar code	For use with ...		
5011	9 003182 050116			
5012	9 003182 050123			
5013	9 003182 050130			
5017	9 003182 050178			
5020	9 003182 050208			

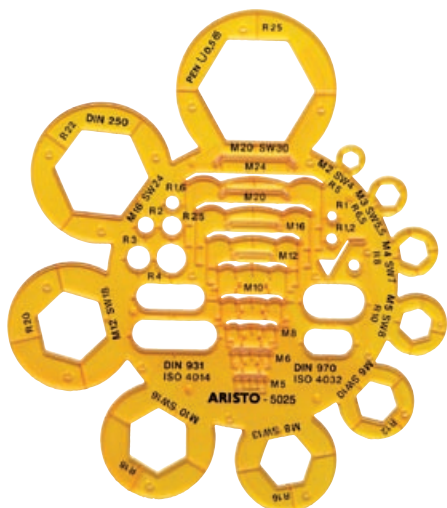
5021



Hexagon bolts and nuts template 5021

M4 to M24 for plan and side view.
DIN 970, DIN ISO 4014, DIN ISO 4032 DIN ISO 4035

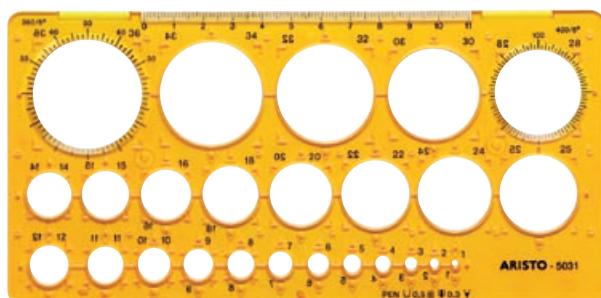
5025



Radius and nut template 5025

Radii from 1 to 25 mm, M2 to M24, non-reflecting surface. With ink edge.
Format 155 x 135 x 1,5 mm. DIN ISO 4014, DIN 970, DIN ISO 4032
DIN 250

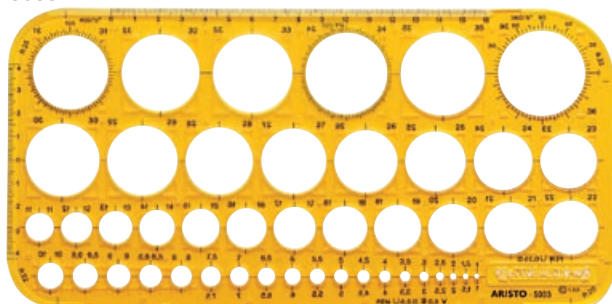
5031



Circle template 5031

For circles ranging from 1 - 36 mm (25 circles), with vertical axial indication, by drilling, in inking position by triangular points, non-reflecting surface. Format: 200 x 100 x 1,5 mm.

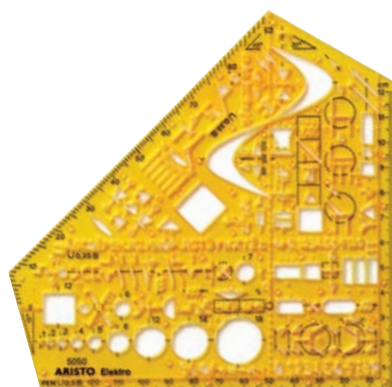
5033



Circle template 5033

For circles ranging from 1 - 36 mm (45 circles), four flanging radii 20 -32 mm, precision approach marks, fine graduation 0,5 (ø 1 - 10 mm), symbols, figures 3,5 mm, non-reflecting surface with finger-lift and ink edge.
Format 260 x 130 x 1,5 mm.

5050

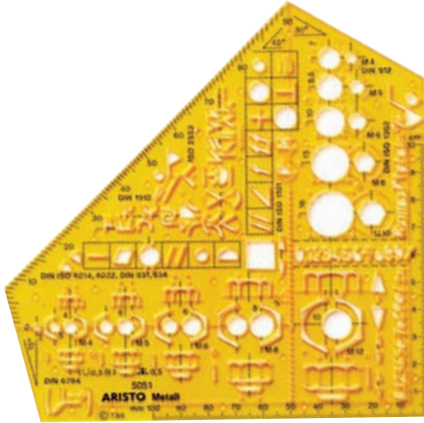


Template "electrical" 5050

For education and university. Circuit diagram symbols for electronic and electrical engineering. Format: 155x155x1,3 mm.
DIN 40700/1, DIN 40700/8, DIN 40700/9, DIN 40700/10, DIN 40700/14
DIN 40706, DIN 40712. DIN 40713, DIN 40717, DIN ISO 1302.

Item No.	Bar code	For use with ...		
5021	9 003182 050215			
5025	9 003182 050253			
5031	9 003182 050314			
5033	9 003182 050338			
5050	9 003182 050505			

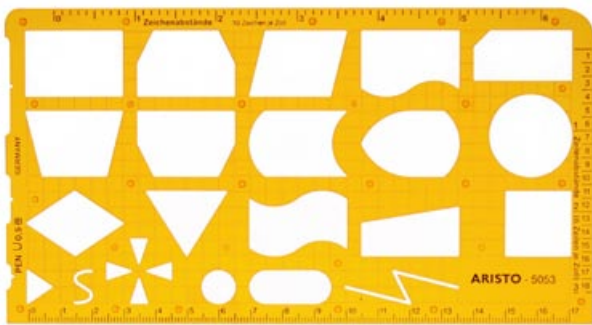
5051



Template "metal" 5051

For education and university. Hexagon screws, socket head screws, welding symbols, form and bearing tolerances, workpiece edge-denotations and surface finish indications. Format 155 x 155 x 1,3mm DIN 970, DIN 912, DIN ISO 1302, DIN ISO 1101, DIN 1912, DIN ISO 4014.

5053



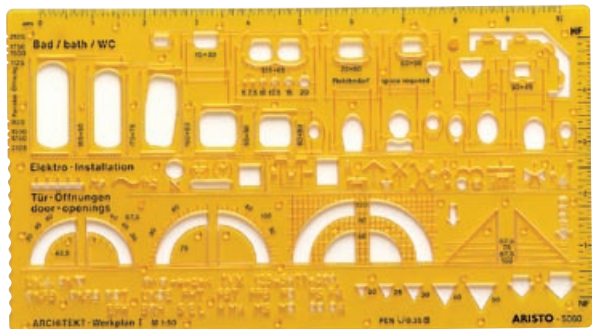
Computer programming template 5053

Gridded symbols, scales for horizontal spacing (6 and 10 lines per inch), millimeter graduation scale. Format: 185 x 100 x 1,0 mm.

Architect's combination template I 5060

Scale 1:50, with symbols for sanitary fittings, electrical installations, door openings, widths of windows and short denotations. Level and direction symbols. With ink-bosses. Format 225 x 125 x 1,2 mm. DIN 1356, DIN18022.

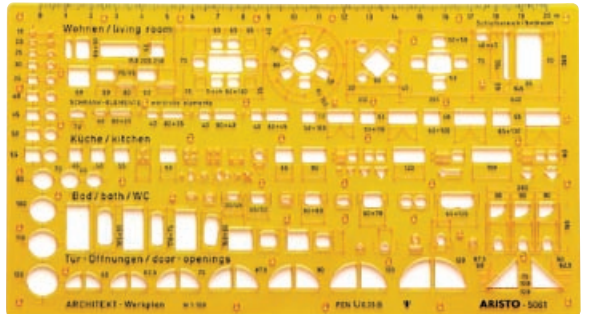
5060



Architect's combination template 5061

Scale 1:100, with symbols for layouts of living rooms, bedrooms, dining rooms, kitchen and sanitary fittings as well as door openings in domestic construction. Level and direction symbols. With ink-bosses. Format 225 x 125 x 1,2 mm DIN 1356, DIN 18011, DIN 18022.

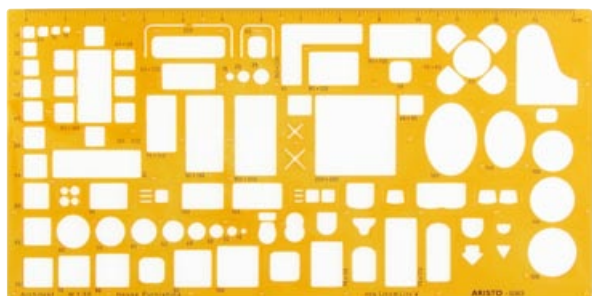
5061

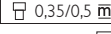


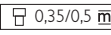








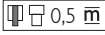



Architect furniture template 5063

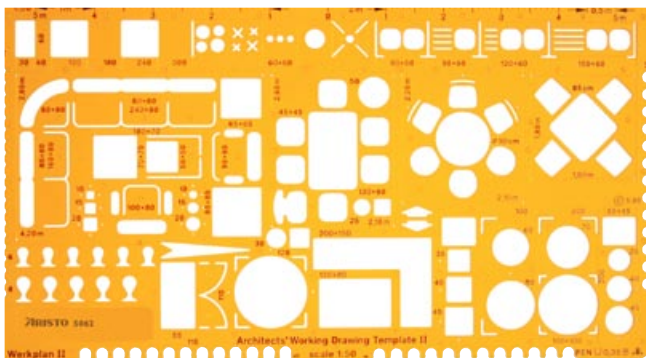
Scale 1:50, symbols for furnishing layouts of living rooms, bedrooms and kitchens, as well as of sanitary fittings. DIN 18011. Format: 300 x 150 x 1,2 mm.

5063



Item No.	Bar code	For use with ...		
5051	9 003182 050512	  		
5053	9 003182 050536	  		
5060	9 003182 050604	  		
5061	9 003182 050611	  		
5063	9 003182 050635	 		

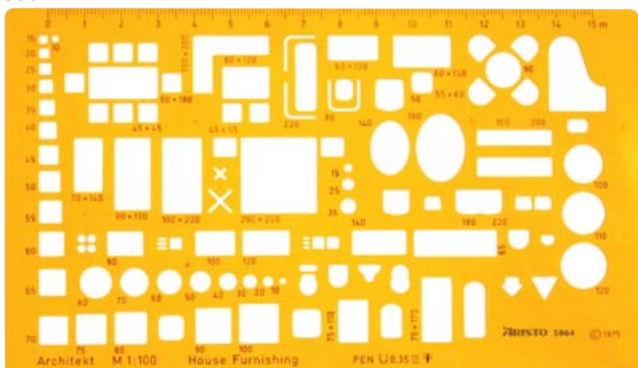
5062



Architect's Combination Template II 5062

Scale 1:50, for symbols of layouts of living rooms, bedrooms, dining rooms and kitchen furnishing. Outlines of insulating layers in 6 different sizes.
Format: 225 x 125 x 1,2 mm.

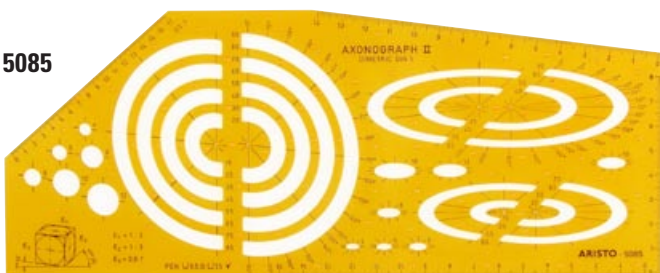
5064



Architect's furniture template 5064

Scale 1:100, Symbols for furnishing layouts of living rooms, bedrooms and kitchen, as well as of sanitary fittings.
Format: 225 x 125 x 1,2 mm.

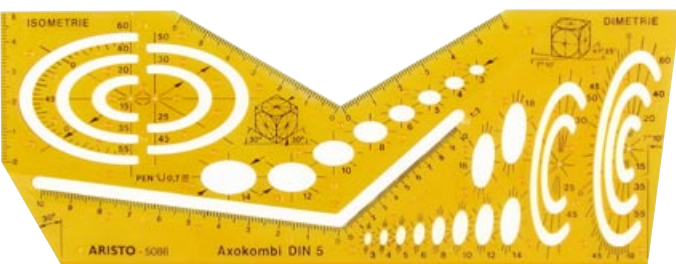
5085



Axonograph II „Dimetric“ 5085

Axonograph II „Dimetric“, DIN 5, side ratio: 1:1:0,5. Ellipses 4 to 90 mm (dimetric axis). axis ratios: ~ 9:10 and 1:3
Format 270 x 110 x 1mm.

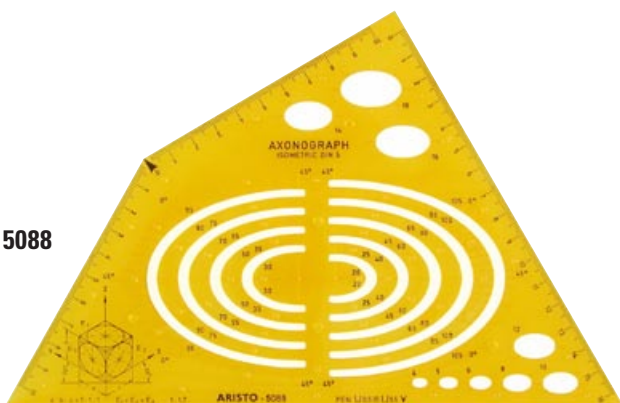
5086



Axokombi I 5086

DIN 5. For isometric and dimetric drawing. Ellipses: 3 bis 60 mm (dimetric axis), axis ratios: 1:1,7 (35°16'), 1:3 (20°). Format 225 x 85 x 1,3 mm.

5088



Axonograph „Isometric“ 5088

DIN 5, side ratio 1:1:1, ellipses: 4 to 105 mm, Angles: 30°, 60°, 90°. Format: 240 x 135 x 1,2 mm.

Item No.	Bar code	For use with ...		
5062	9 003182 050628	 		
5064	9 003182 050642	 		
5085	9 003182 050857	 		
5086	9 003182 050864	 		
5088	9 003182 050888	 		

Upright letters (medium script) 5301/..



Italic letters (medium script) 5302/..



5305



ISONORM upright letters (medium script)

ISONORM lettering guide, upright letters (medium script), type B, H-profile (plastic edge strips), with space indicator. ISO 3098/1, DIN 6776.

ISONORM italic letters (medium script)

ISONORM lettering guide, italic letters (medium script), type B, H-profile (plastic edge strips), with space indicator. ISO 3098/1, DIN 6776.

Item No.	Bar code	Font type / font size		
5301/2	9 003182 530120	upright / 2,5 mm		
5301/3	9 003182 530137	upright / 3,5 mm		
5301/5	9 003182 530151	upright / 5 mm		
5301/7	9 003182 530175	upright / 7 mm		
5302/2	9 003182 530229	italic / 2,5 mm		
5302/3	9 003182 530236	italic / 3,5 mm		
5302/5	9 003182 530250	italic / 5 mm		
5302/7	9 003182 530274	italic / 7 mm		
5305	9 003182 053056	upright / 3,5 and 5 mm		

ISONORM script template 5305





Combination script template for use with fibre tip pens and fine lead mechanical pencils, font sizes 3,5 and 5 mm. Upright letters (medium script), type B, ISO 3098/1, DIN 6776.






Always use pigment liners and fine lead mechanical pencils with the Duo-Combi stencil.



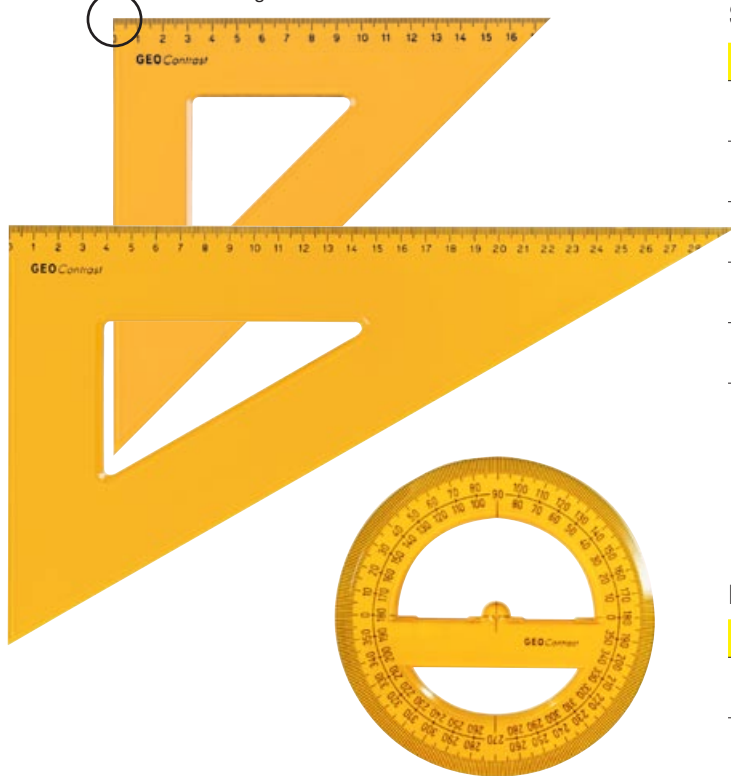
Always use the drawing pen with a corresponding lettering stencil. Lettering stencils are not suitable for pigment liners (Except Duo-Combi).

-  Means that template has an ink edge.
-  Means that template has ink bosses.
-  indicates if technical drawing pens can be used, respectively shows right line width.
-  Indicates if fine lead mechanical pencils can be used, respectively shows right line width.

-  Indicates if fibre tip pens can be used, respectively shows right line width.
-  Indicates if ballpoint pens can be used.
-  Indicates if clutch pens can be used.

Set squares with ink-edge

0-on the edge.



Rulers with ink-edge and facet



GEOContrast

Yellow-transparent synthetic material increases contrast and highlights pencil lines.

Set squares with ink-edge

Item No.	Bar code	Angle / Scale / Hyp.		
22425	9 003182 224258	45° / 17 cm / 25 cm		
22432	9 003182 224326	45° / 20 cm / 30 cm		
22436	9 003182 224364	45° / 23 cm / 35 cm		
22625	9 003182 226252	60°, 30° / 24 cm / 30 cm		
22632	9 003182 226320	60°, 30° / 29 cm / 35 cm		
22636	9 003182 226368	60°, 30° / 33 cm / 40 cm		

Rulers with ink-edge and facet

Item No.	Bar code	Angle / Scale / Hyp.		
22030	9 003182 220304	60°, 30° / 24 cm / 30 cm		
22040	9 003182 220403	60°, 30° / 29 cm / 35 cm		
22050	9 003182 220502	60°, 30° / 33 cm / 40 cm		

Full-circle protractor 22301

With reverse numbering
0° - 360°, 12 cm Ø. With facet

Geometry Set 22509

Containing:
Ruler 30 cm
Set square 45°, scale 13 cm
Set square 60°, scale 18 cm
Protractor, Ø 12 cm

Item No.	Bar code			
22301	9 003182 223015			
22509	9 003182 225095	4 pcs.		

5039

**French curves (Burmester) 5039**

1 mm thickness, transparent orange. The three curves come in a plastic pouch.

5040

**French curves transparent (Burmester) 5040**

1 mm thickness, transparent orange. The three curves come in a plastic pouch.

Flexible curves

With ink edge and a lead core to fix the curve. For curves up to 15 mm radius.

24350 length 30 cm

24360 length 40 cm

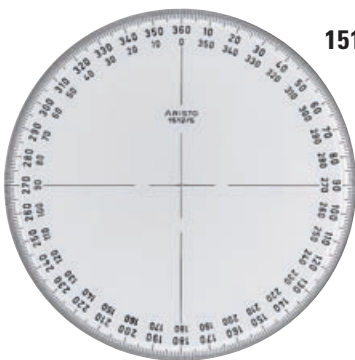
24370 length 50 cm.

Full-circle protractor 1512/5

Full-circle protractor of the absolutely best quality, made of PLEXIGLAS®, reverse numbering 0° - 360°, Ø 12 cm



1512/5



Item No.	Bar code			
5039	9 003182 050390	3 pcs.		
5040	9 003182 050406	3 pcs.		
24350	9 003182 243501	Lenght 30 cm		
24360	9 003182 243600	Lenght 40 cm		
24370	9 003182 243709	Lenght 50 cm		
1512/5	9 003182 151257	Ø 12 cm		
23408	9 003182 234080	Cathetus 20 cm		
23410	9 003182 234103	Cathetus 25 cm		
23412	9 003182 234127	Cathetus 30 cm		

Adjustable set square

Made of crystal-clear PLEXIGLAS® 3,5 mm thick, continuous facet. One side of the isosceles triangle is adjustable so that the functionality of a square and a protractor can be combined.

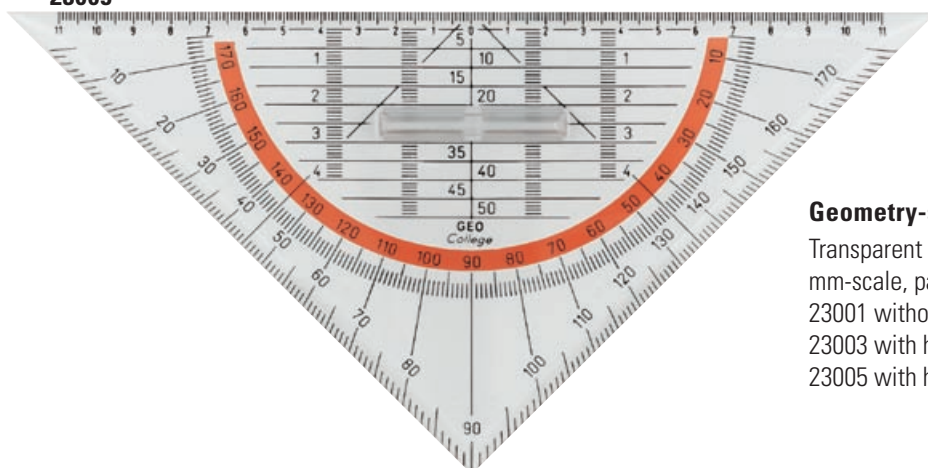
The degree scale 0° to 45° and 90° to 45° in 1° and 1/2° increments is offset in white, continuously adjustable and fixable with a chrome-plated screw. A red mark enables exact adjustment.

23408 leg 20 cm – 8"

23410 leg 25 cm – 10"

23412 leg 30 cm – 12"

23005



Geometry-set squares GEOCollege

Transparent set square with bidirectional mm-scale, packed in a plastic pouch.

- 23001 without handle
- 23003 with handle (without illustration)
- 23005 with handle

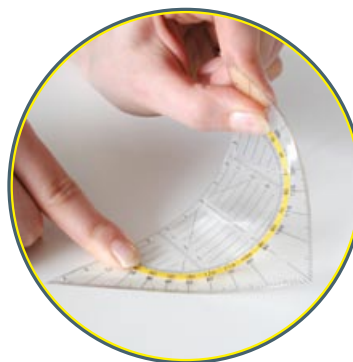
23001



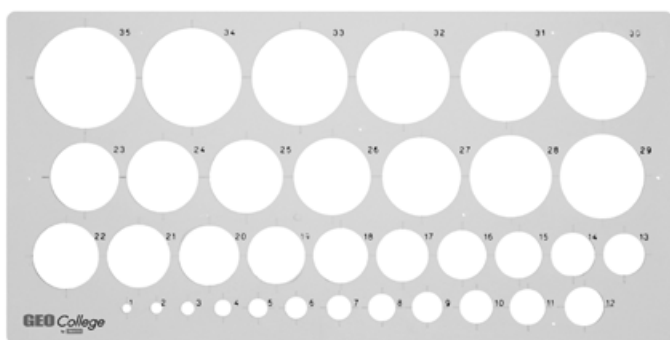
Geometry-set squares GEOflex

Drawing instruments for the schoolbag. Flexible, but accurate to measurement. Almost unbreakable. Toxicologically harmless (analysed by DSG Biotec).

23011



23319



GEOCollege circles template 23319

Circle template, transparent grey. Circles 1 – 35 mm

23301

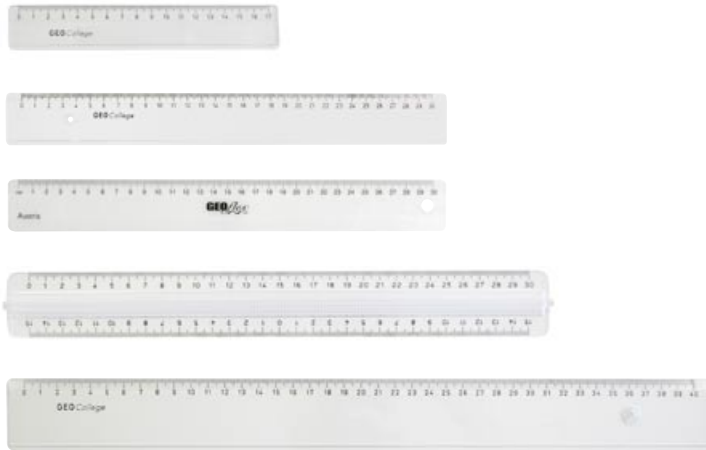


Protractor 23301

Transparent protractor, 10 cm Scale 180°/1°, with facet

Item No.	Bar code	Hypotenuse	
23001	9 003182 230013	16 cm / without Handle	
23003	9 003182 230037	16 cm / with Handle	
23005	9 003182 230051	25 cm / with Handle	
23011	9 003182 230112	16 cm / without Handle	
23301	9 003182 233014	Ø 10 cm	
23319	9 003182 233199	1 - 35 mm	

23005



GEOCollege rulers

Transparent rulers with facet, drawing edge and mm scale

Item No.	Bar code	Scale
23017	9 003182 230174	17 cm
23030	9 003182 230303	30 cm
23031	9 003182 000586	30 cm / flexible
23033	9 003182 230334	30 cm / with handle
23040	9 003182 230402	40 cm
23050	9 003182 230501	50 cm

GEOCollege set squares

Transparent set squares with facet, drawing edge and mm scale

Item No.	Bar code	Angle / Scale / Hyp.	
23420	9 003182 234202	45° / 14 cm / 20 cm	
23425	9 003182 234257	45° / 18 cm / 26 cm	
23430	9 003182 234301	45° / 21 cm / 30 cm	EUR 0,67
23620	9 003182 236206	60° / 20 cm / 23 cm	
23625	9 003182 236251	60° / 25 cm / 30 cm	
23630	9 003182 236305	60° / 31 cm / 35 cm	EUR 0,67
23509	9 003182 235094	4 pcs.	

GEOCollege t-squares

Made of Polystyrol, with mm-scale and inch-scale, bosses on both sides.

Item No.	Bar code	Scale
23174	9 003182 231744	40 cm
23176	9 003182 231768	60 cm
23177	9 003182 231775	75 cm

GEOCollege triangular gauges

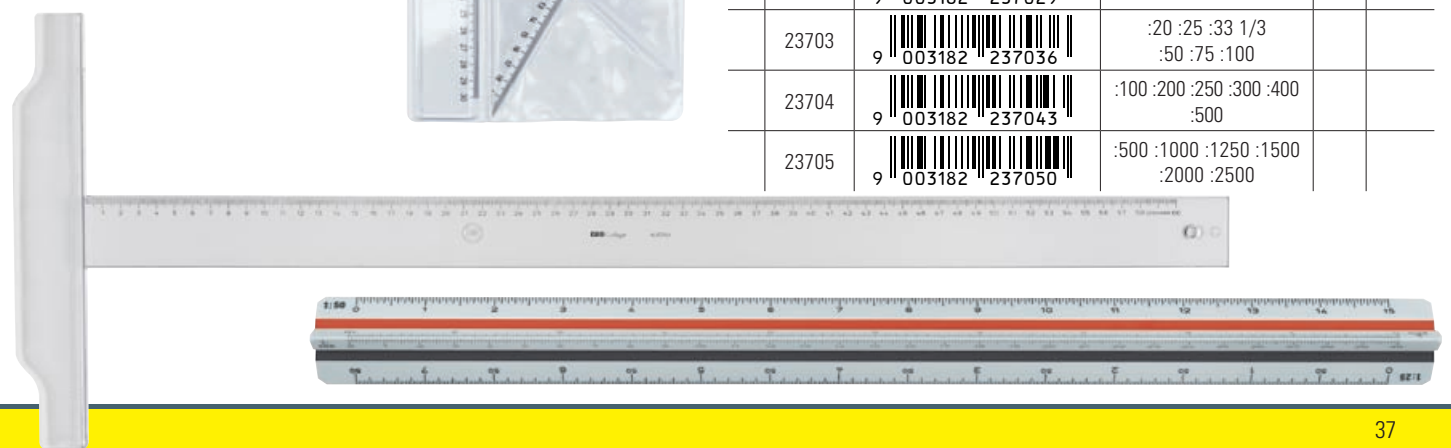
Item No.	Bar code	Reductions
23701	9 003182 237012	:2,5 :5 :10 :20 :50 :100
23702	9 003182 237029	:20 :25 :50 :75 :100 :125
23703	9 003182 237036	:20 :25 :33 1/3 :50 :75 :100
23704	9 003182 237043	:100 :200 :250 :300 :400 :500
23705	9 003182 237050	:500 :1000 :1250 :1500 :2000 :2500

0-point on the edge.



GEOCollege Geometry set 23509

Containing:
 Ruler 30 cm,
 Set square 45°, scale 14 cm,
 Set square 60°, 20 cm scale,
 Protractor 10 cm.





Erasing shield 24840

Made of stainless steel with 15 eraser guides.

Glass eraser 24850

For correcting India ink, ink, and pencil marks as well as the removal of rust and oxidation residue. Also suitable as a correction pen for printing plates. With brass tip and eraser Ø 4 mm, 4 cm in length.

24855

24 pce. spare brushes for glass-eraser.

Drawing broom with horsehair bristles

24790 = 4-row, with wooden shaft, 225 mm in length.

24800 = 1-row, with plastic shaft, 360 mm in length.



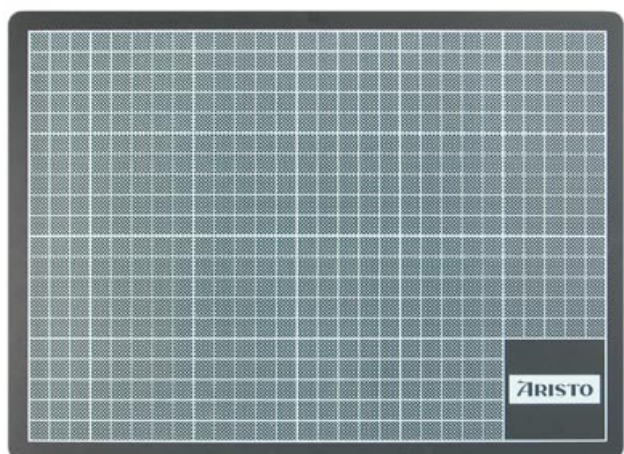
24790



24800



Item No.	Bar code			
24840	9 003182 248407	6 x 9 cm		
24850	9 003182 248506	Pen 12 cm eraser 3 cm		
24855	9 003182 248551	24 pcs. in box		
24790	9 003182 247905	225 mm long		
24800	9 003182 248001	360 mm long		



Cutting mats / Working pads

The indispensable tool for cutting, protects the table or drawing board and the cutting knife. Allows precise and traceless cuts.

- Combination of green and black surface
- Both sides with cm grid
- 3-layer sandwich build-up.
- 3mm strong, anti-skid material, 1mm self-closing cutting surface,
- Solid interior material
- Sizes: DIN A4, DIN A3, DIN A2, DIN A1



Item No.	Bar code			
22130	9 003182 221301	A4 (21 x 30 cm)		
23045	9 003182 230457	A3 (45 x 30 cm)		
230459	9 003182 304592	A3 (45 x 30 cm) with cutter and ruler		
24560	9 003182 245604	A2 (60 x 45 cm)		
26090	9 003182 260904	A1 (90 x 60 cm)		
33045	9 003182 330454	A3 (45 x 30 cm) black		

87120



87130



87320



87440



87190



87198



87180



87820



87840



87830



Lead eraser „GEO B“

Lead-eraser for erasing polymer-graphite lines from all drawing media. The elastic, white eraser contains no abrasives, so it will not affect ink lines. It works by rolling up graphite and dirt particles in eraser dust. The erased surface stays clean, with no smears or marks. The dust can be brushed off easily from the media surface.

Combined eraser „GEO TB“

Combined eraser for pencil and ink lines. (2/3 lead-eraser, 1/3 ink-eraser).

GEOCollege eraser 87440

The „must“ for school, home and office. PVC-free.

- Made from natural rubber
- Guarantees best results
- 2/3 for pencils, 1/3 for ink
- Use on: Paper, tracing paper and drawing film
- Format: L=56, W=19, H=8 mm

Eraser pen 87190

Function similar to a mechanical pencil, eraser-lead of 12 cm length.. Spare erasers ø 6,8 mm Item No. **87198**

Click eraser 87180

Tool for easy erasing, applied like a writing instrument. 87180 For precise erasing, ergonomic shape, refillable eraser core.

Lead eraser „STUDIO“

The studio erasers can be relied upon to remove pencil and coloured pencil lines, without a trace. By using dirt-catching additives and avoiding hard abrasives, they make sure that the media surface always remains clean.

Item No.	Bar code			
87120	9 003182 871209	63 x 22 x 11 mm		
87130	9 003182 871308	30 x 15 x 11 mm		
87320	9 003182 873203	63 x 22 x 11 mm		
87440	9 003182 874408	56 x 19 x 8 mm		
87190	9 003182 871902	12 cm long		
87198	9 003182 871988	12 cm long		
87180	9 003182 871803	8 cm		
87196	9 003182 871964	8 cm		
87820	9 003182 878208	65 x 23 x 12 mm		
87830	9 003182 878307	41 x 17 x 12 m		
87840	9 003182 878406	31 x 17 x 12 mm		



1552W

ARISTO Drawing tools are known as accurate even on the larger dimensions of blackboard drawing. The blackboard set squares look similar to those of the pupils, this effects better teaching.

Blackboard set squares

- Transparent plastic
- Hypotenuse 80 cm
- Handle for convenient handling
- Bosses made of anti slip rubber

1552W scales are equivalent to the genuine Aristo Geo-Dreieck®

1650W scales are equivalent to the genuine Aristo TZ-set square 1650

Wooden pointer 1900W

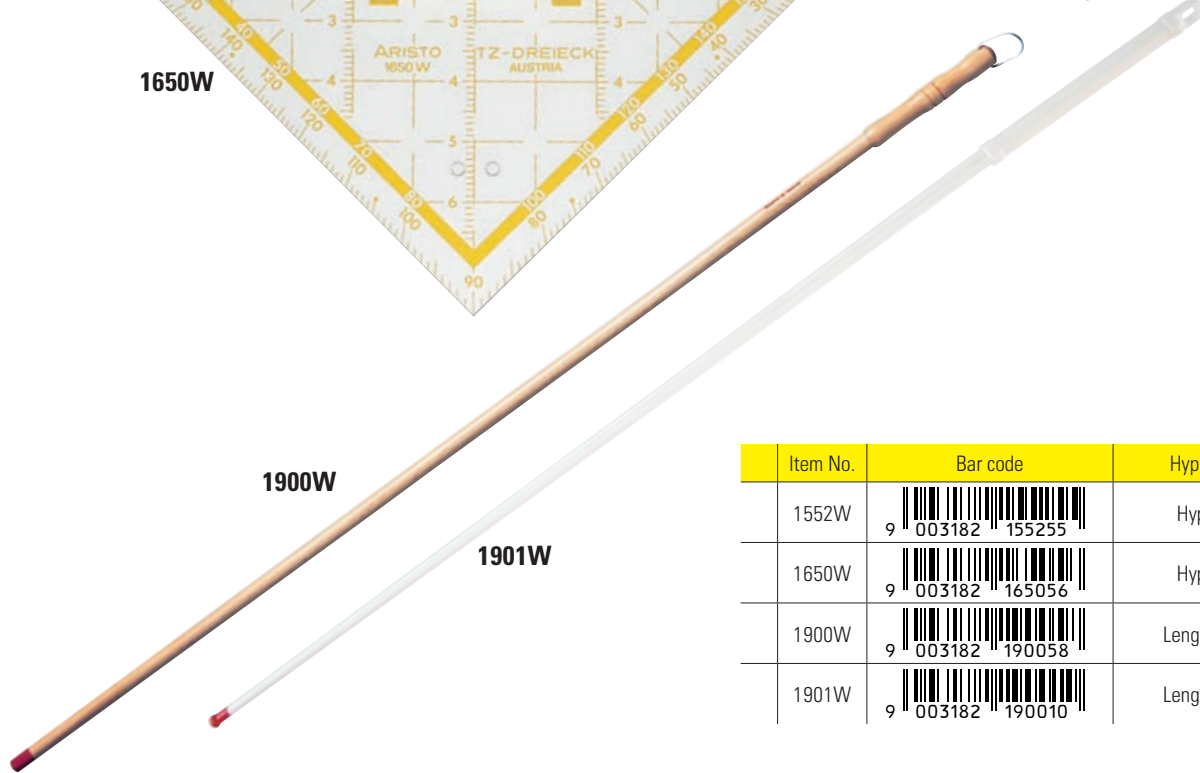
Length 100 cm.

Plastic pointer 1901W

White, length 100 cm.



1650W



1900W

1901W

Item No.	Bar code	Hyp. / lenght		
1552W	9 003182 155255	Hyp. 80 cm		
1650W	9 003182 165056	Hyp. 80 cm		
1900W	9 003182 190058	Lenght 100 cm		
1901W	9 003182 190010	Lenght 100 cm		



Blackboard ruler 1910W

Made of white plastic, length 100 cm, dm/cm-scale, with handle and bosses made of anti slip rubber.



Blackboard compass 1931W

Wooden, length 50 cm, tripod with suckers, chalk holder made of plastic

Blackboard compass 1932W

White, with scales for picking up angles (0 – 90°) or radii (0 – 80 cm). Length 50 cm, tripod with suckers guarantees very good adhesion to the blackboard. With chalk holder.



Blackboard drawing Set 1980W

Table 100 x 60 cm, with one of each: Blackboard- pointer, -ruler, wooden -compass and a -Geo-Dreieck® 1552W.

Blackboard drawing Set 1981W

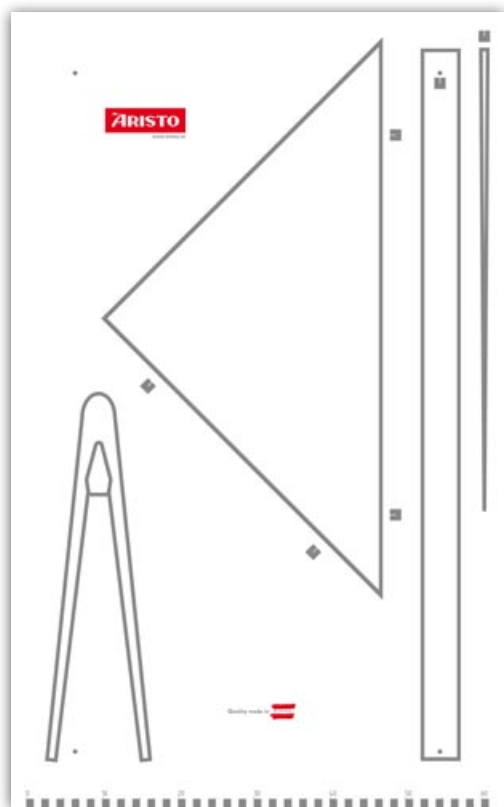
Table 100 x 60 cm, with one of each: Blackboard- pointer, -ruler wooden -compass and a -TZ-Dreieck® 1650W

Blackboard drawing Set 1985W

Table 100 x 60 cm, equipped with one of each: blackboard-pointer, -ruler, plastic compass and a -Geo-Dreieck® 1550W.

Empty table for blackboard instruments 1950W

To store your ARISTO blackboard instruments. 100 x 60 cm.

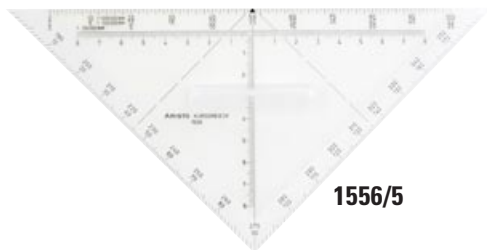


Item No.	Bar code		
1910W	9 003182 191055	Lenght 100 cm	
1931W	9 003182 193158	Lenght 50 cm	
1932W	9 003182 193257	Lenght 50 cm	
1950W	9 003182 195053	100 x 60 cm	
1980W	9 003182 198054	4 pcs. / Geo	
1981W	9 003182 198153	4 pcs. / TZ	
1985W	9 003182 198559	4 pcs. / Geo	



9800

9802



1556/5



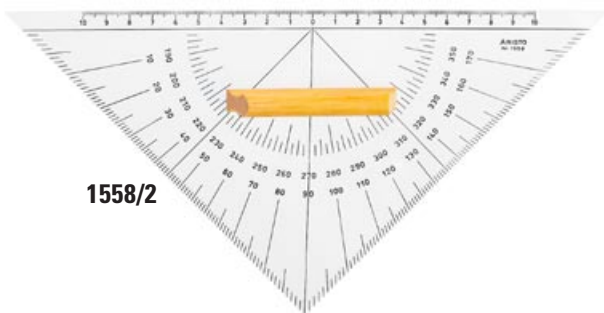
1533



1556/3



1537



1558/2



1560

Compass 9800

Navigational brass compass, adjustable head screw, length 180 mm, Ø 560 mm.

Single hand compass 9802

Navigational brass compass, adjustable head screw, length 185 mm, Ø 400 mm.

Set square (sea) 1533

Plain navigational set square with wooden handle. Hypotenuse 32,5 cm.

Set square (sea) 1537

Plain navigational set square with wooden handle. Hypotenuse 27 cm.

Set square (air) 1556/3

Set square for air navigation, red scale on white background, with handle. Hypotenuse 22,5 cm.

Set square (air) 1556/5

Set square for air navigation with handle. Additional scales in nautic miles 1:1000000 / 1:500000 1:250000. Hypotenuse 22,5 cm.

Set square (sea) 1558/2

Navigational set square with wooden handle. Hypotenuse 27 cm.

Set square (sea) 1560

Navigational set square, red and green scales on white background, wooden grip. Hypotenuse 32,5 cm.

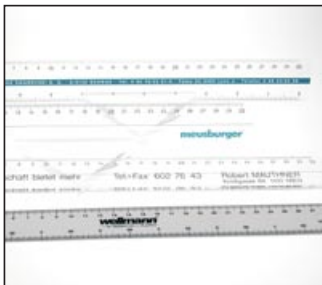
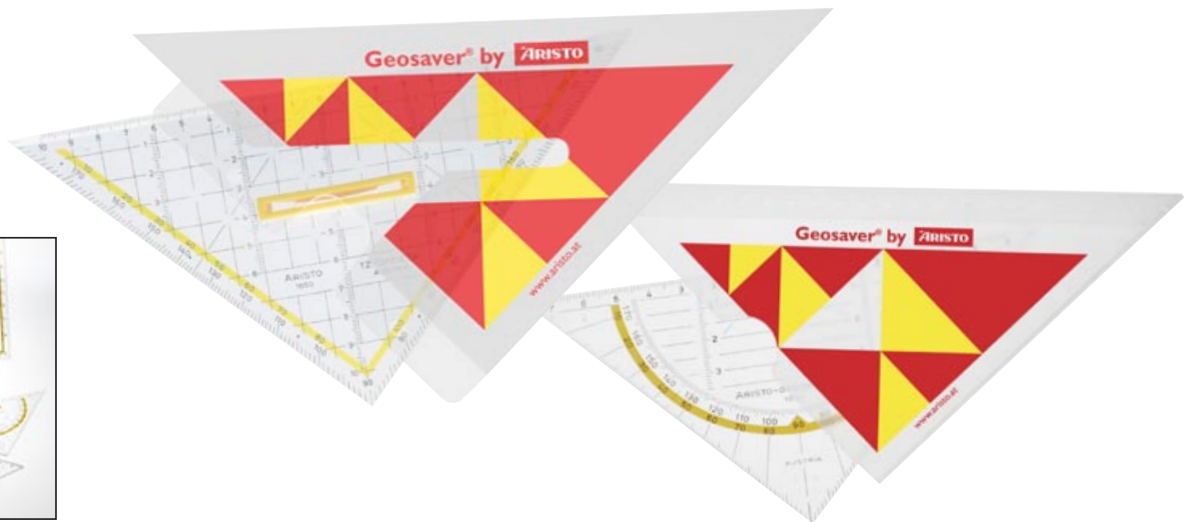
Item No.	Bar code	Hyp. / lenght		
9800	9 003182 098002	Lenght 180 mm		
9802	9 003182 098026	Lenght 185 mm		
1533	9 003182 015337	Hyp. 32,5 cm		
1537	9 003182 015375	Hyp. 27 cm		
1556/3	9 003182 155637	Hyp. 22,5 cm		
1556/5	9 003182 155651	Hyp. 22,5 cm		
1558/2	9 003182 155828	Hyp. 27 cm		
1560	9 003182 015603	Hyp. 32,5 cm		

ARISTO

Drawing instruments as an advertising messenger

high in value, effective, durable.

Geosaver® by ARISTO



ARISTO GEO-Dreieck® and ARISTO TZ Drawing set square products, made of high quality Perspex, are robust and scuffproof. Still, users manage to harm them, e.g. breaking off edges, which can happen, when such product is placed between heavy books in a schoolbag. In order to protect these items, ARISTO is now offering the ultimate product protection:

Geosaver® is the perfect carrying unit, made of solid Polypropylene. The Geosaver® is available for set squares with hypotenuses of 16, 22.5, 25 and 32.5 cm. It does not only serve for ARISTO items with or without handle, but also for similar products. As from a quantity of 100 pieces, the Geosaver® can be imprinted with an individual design, as an advertising vehicle for special messages.



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