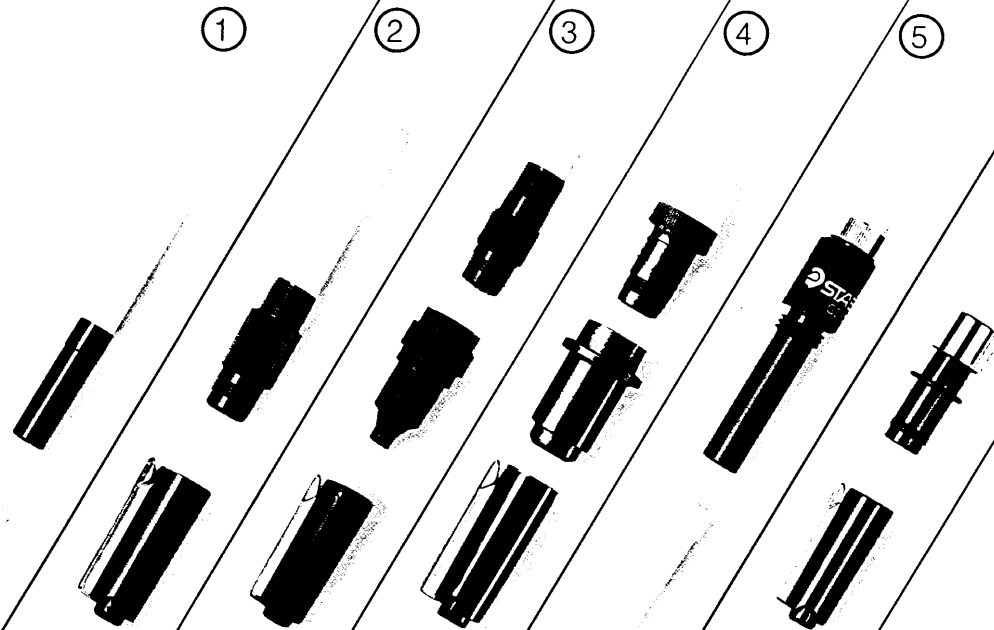


# mars plot

## Refillable System

### Adaptors



Art. No.	75PL 00H	75PL 00H10	75PL 03H10	75PL 03H11	75PL 05H	75PL 05H1	75PL 07H1
Plotter Brand/ Model	Benson (all models)* Digigraph, 1208A Glaser Kern Kuhlmann FR, LR Xynerics 1000, 1051, 1101, 1201, 2000, 2200, 2600	Alphameric Alpha Plot I, II, Datascribe Computervision Interact II, III, IV Data Technology DT 3454, 4060, 4364, 5344, 5544, 6444, 6644, 11066 Houston Instrument CPS 14, 15, 16, 17, 19, 20, 30, DMP 2, 3, 4, 5, 7, 8, 9, (one pen) DP 1, 8, 9, 11 Nicolet Zeta 1553 Wang 2272-1/2 Wild TA, TA2, TA10 Zeiss DZ 5, 6, 7	BBC-Goerz 281, 284, 780, SE283 Bruel & Kjaer 2319 Calcomp M 81, 84 Commodore CBM 8075 Digicon TDD 21, 21R Houston Instrument DMP 2, 3, 4 (6 pen carousel), DMP 5, 6, 7, 8, 9 (8 pen carousel), DMP 29, 40, 41, 42, 50, 51, 52, 55, 56, 61, 62, 51MP, 52 MP, 56MP IBM XY749, 750 Nixdorf XY01 Philips PM 8151, 8155 Pravetz 6406C, 6408C, 6410C Rohde & Schwarz DOP Siemens C 1020, 1601, 1604 Soltec 281 Tewidata P 281, 284 Zericon PC 34, 36	BBC-Goerz SE 292, 293 Philips PM 8153 Siemens C1603 Tewidata P293	Calcomp 836, 945, 960, 965, 970, 103X (1037, 1038, 1039), 105X, 107X Calma 960DDM	Calcomp 104X, 104XGT	Computer-Humor Enter Computer SP 600, 601 Gunsch PL22/B Hewlett Packard 7090, 7220, 7221, 7225, 7440, 7470, 9872 Houston Instrumen DMP695A IBM 6180, 7371 Linseis PLF 1620, LY 1900 PL Mimaki MF120 Nicolet Zeta Sprint Panasonic VP6803 Penman Pravetz 6409C Ricadenki RY5200 Roland DXY 101, 800, 880, 885, 980, 990 Sekonic SPL 430, 450 Siemens 9009-40 Soltec RY5200, SPL430

To achieve optimal performance, the drafting tool assembly must "sit" perfectly. STAEDTLER offers adaptors for practically all popular plotter models.

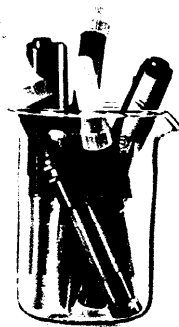
If you are not able to find the right adaptor for your particular plotter type please contact us, and we will be pleased to advise you.

**Note**  
Replace sealing cap tightly and store point-up (never point-down) or in a horizontal position.

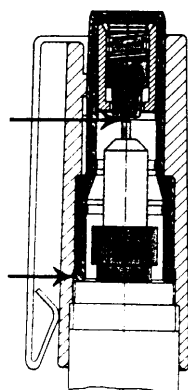
\*The adaptors for Benson plotters are also available together with a plotter point:

For paper  
Art. No. 700 PL 1 CF-700 PL 10 CF

For film  
Art. No. 707 PL 0 CF-707 PL 8 CF  
For details on line thicknesses refer to page 6.



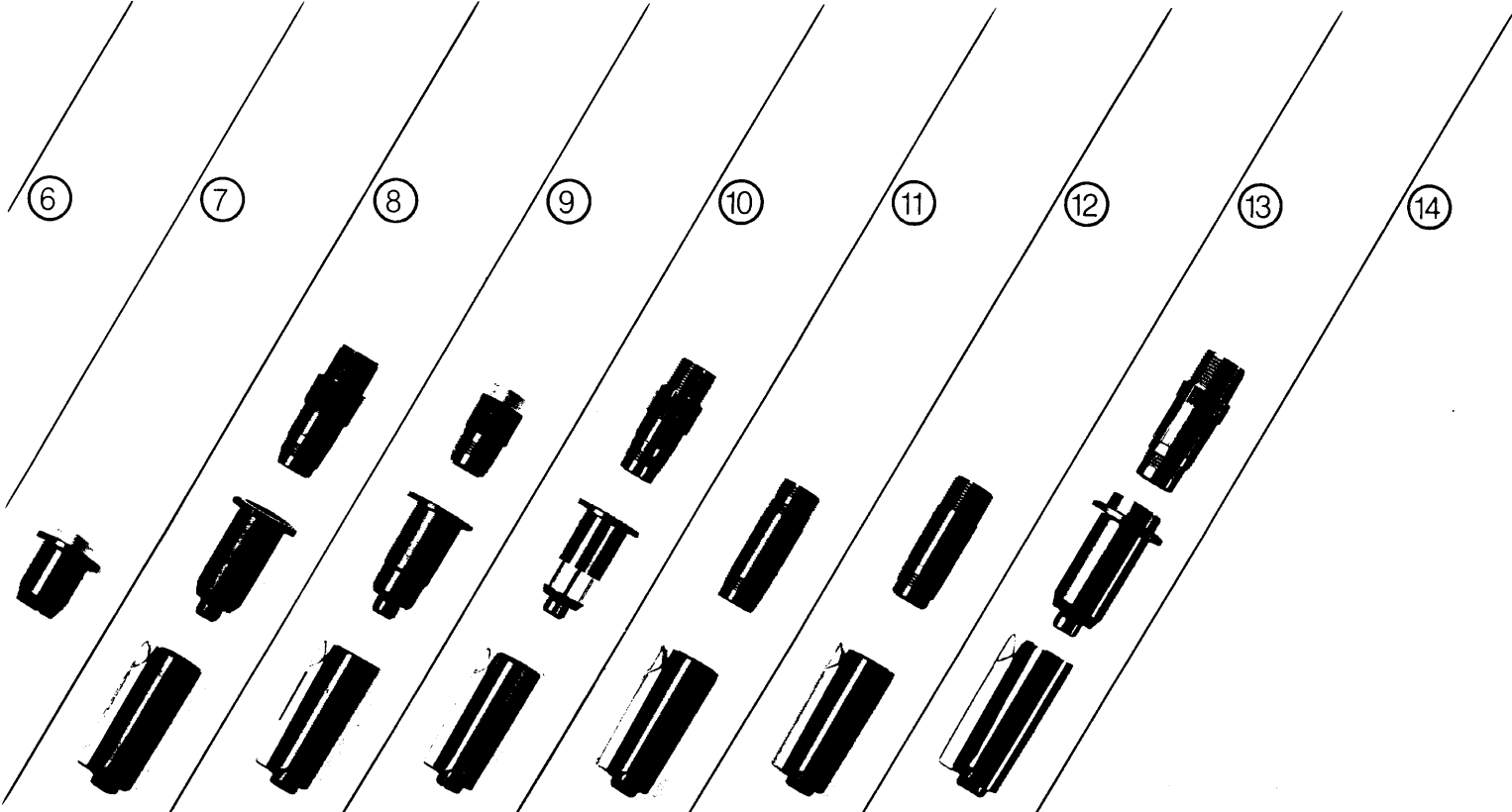
Seal at the tip



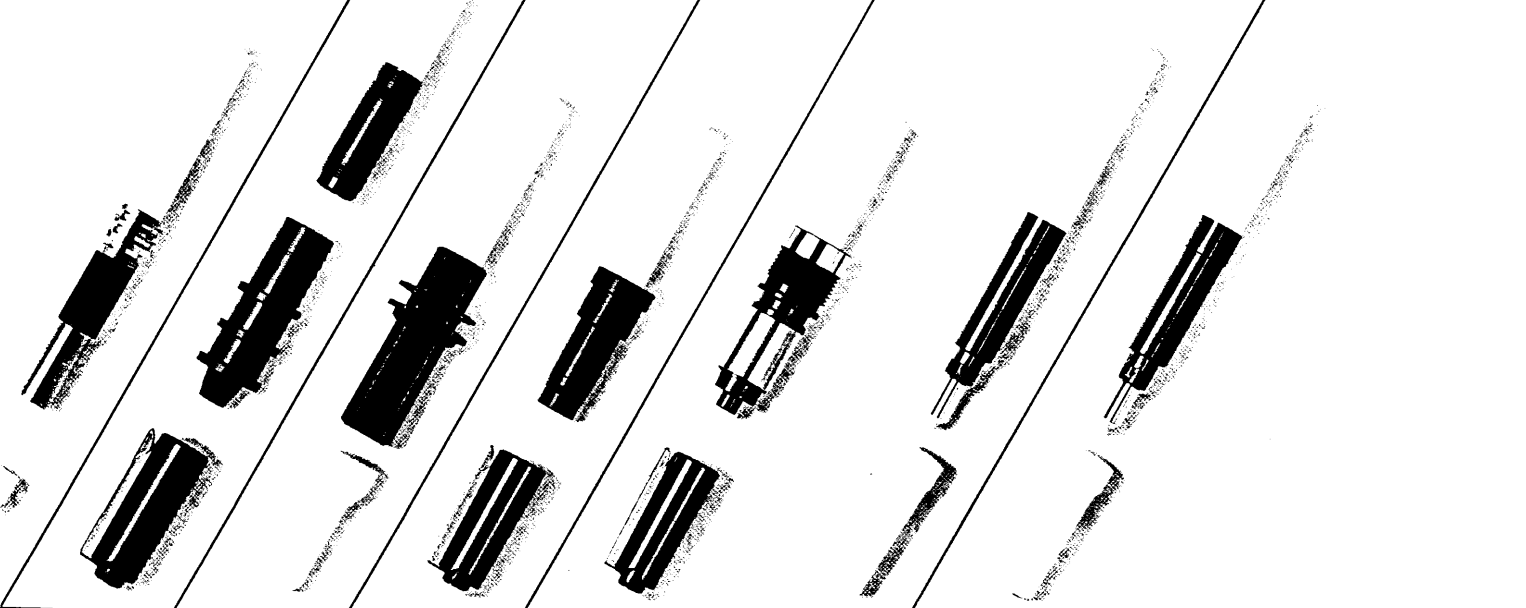
Seal at the mouthpiece

For a precise, hermetic seal mars plot plotter points feature a double sealing system which prevents the point from drying out. It will start immediately even after long work breaks.

Art. No.	75PL 18H
Plotter Brand/ Model	General Numeric XY Kuhlmann TRA3 Western Graphtec DAB400, MP 1000, 1100, WX 46 ... WX 48 ...



⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
75PL 07H2	75PL 07H3	75PL 07H4	75PL 08H10	75PL 15H	75PL 15H1	75PL 17H		
<p>Enter Computer SP 1000, 1200 Gerber 060, 065, 070 Hewlett Packard 7550, 7570, 7580, 7585, 7586, 7595, 7596, Draftmaster I, II IBM 6186, 7374, 7375 Ioline LP 3700, 4000 Linseis PLT 1600, 1610 Mimaki MF120 Optical Computer Inc. (OCI) 927, 928 Sekonic SPL 600, 800 Siemens 9009-30</p>	<p>Digicon TDD43 Digital LVP 16 Hewlett Packard 7475 IBM 7372 United Innovations 8000</p>	<p>Roland DPX 2000, 2200, 3300</p>	<p>Gerber 42, 43, 75, 77, 88 Kongsberg 1215, 1216, 1800S, GT5000, 5100 Western Graphtec WX 4671, 4672</p>	<p>G.F.I. Digiplot A1 Mutoh Alpha 1000</p>	<p>Mutoh IP-100</p>	<p>Computervision P 1000, 1100 Nicolet Zeta 8, 822, 824, 824CS, 836, 836CS, 887</p>		



⑮	⑯	⑰	⑱	⑲	⑳*	㉑*
75PL 21H	75PL 22H	75PL 22H1	75PL 23H	Benson*	Benson*	
<p>Adcomp X 300, 300i Max ADM A3, GA 100, X-Y Picom Mirwald MP4003 Sekonic SPL 400, 410 Taxan KPL 710</p>	<p>Amdek, Amplot II Graf 672 Hitachi 671, 672 Infograph BIG3 KDC FPL2000 Logitec FPL2000 Neumüller NSA 671, 672 Picom (Mirwald) MP3003</p>	<p>Hitachi 673, 675 Picom (Mirwald) MP5001</p>	<p>Comtec Western Graphtec DA 6000, 6100, 6500, FD 5211, FP 5201, 5301, 5303, GP 9001, 9011, 9101, MP 2000, 2300, 3100, 3200, 3300, PD 9011, 9111, 9311, Mannesmann Tally Pixy 3 Numonics 5412, 5424, 5460, 5600, 5624, 5636, 5860, 6412</p>	<p>700PL 1CF- 700PL 10CF  Stainless steel points for paper</p>	<p>707 PL 0CF- 707 PL 8CF  Tungsten carbide points for film</p>	

# mars PLOT

## Refillable System

### Plotter Points for Precision Plotting

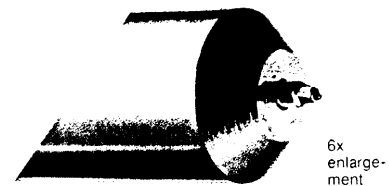
marsplot pen points are manufactured to the highest quality standards. An optimally regulated, even ink flow ensures high drafting speed and consistent line thickness. marsplot pen points are extremely durable and resistant to solvent-based inks. They work on the refillable cartridge principle or in conjunction with pressure-controlled ink feed systems which make them extremely economical to use. marsplot pen points are available in several basic types for the differing speed and work period specifications of plotters and drafting media.

#### Note

The line thicknesses stated are approximate and depend on the media in use, drafting speed, viscosity of the ink and the pen force of the plotter.

For plot  
and  
tracing  
paper

Standard stainless  
steel points for  
precision plotting.



Pen Points with Colour Code

Type	Line Thick- ness (mm)	approx. Pen Force
PL0	0.13 -	0.2 N
PL1	0.18 (0.1)	0.2 N
PL2	0.25 (0.2)	0.2 N
PL3	0.35 (0.3)	0.4 N
PL4	- (0.4)	0.4 N
PL5	0.5 (0.5)	0.4 N
PL6	- (0.6)	0.4 N
PL8	0.7 (0.8)	0.4 N
PL10	1.0 (1.0)	0.4 N

approx. 150- 300 mm/s*	approx. 50- 200 mm/s	approx. 500 mm/s*
Art. No.	Art. No.	Art. No.
-	-	757 PL0 CF
750 PL1 CF	750 PL1 C3	757 PL1 CF
750 PL2 CF	750 PL2 C3	757 PL2 CF
750 PL3 CF	750 PL3 C3	757 PL3 CF
750 PL4 CF	750 PL4 C3	757 PL4 CF
750 PL5 CF	750 PL5 C3	757 PL5 CF
750 PL6 CF	750 PL6 C3	757 PL6 CF
750 PL8 CF	750 PL8 C3	757 PL8 CF
750 PL10CF	750 PL10C3	-



Plotter points are individually packed in plastic vials with a point key at the base for changing points.

Colour Code  
for type CF:  
yellow

for type C3:  
black

for type CF:  
yellow

guide  
bushing  
O 3.95 mm  
chrome-  
plated

chrome-  
plated

gold-plated

## For matt drafting film

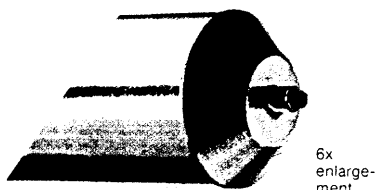
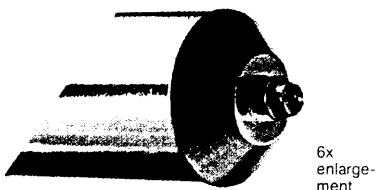
Tungsten carbide points are extremely wear-resistant against the abrasive nature of the film surface.

## For matt drafting film and glossy overhead projection film

Tungsten carbide points with cross-grooves allow increased ink flow ensuring well-defined, highly contrasting lines.

## For matt drafting film, plotter and tracing paper

Jewel-tipped points feature superior gliding performance on all drafting surfaces.



approx. 50–300 mm/s	approx. 400 mm/s	approx. 200 mm/s on paper approx. 300 mm/s on film
Art. No.	Art. No.	Art. No.
757 PL0 C3	757 PL0 CS	–
757 PL1 C3	757 PL1 CS	–
757 PL2 C3	757 PL2 CS	759 PL2 C3
757 PL3 C3	757 PL3 CS	759 PL3 C3
757 PL4 C3	757 PL4 CS	759 PL4 C3
757 PL5 C3	757 PL5 CS	759 PL5 C3
757 PL6 C3	757 PL6 CS	759 PL6 C3
757 PL8 C3	757 PL8 CS	759 PL8 C3
757 PL10C3	–	759 PL10C3

STAEDTLER has developed special plotter points for plotters with pressure controlled ink feed systems, manufactured by Kongsberg, Calcomp, Gerber and Mutoh. These points can be used on plotter paper or matt drafting film with drafting speeds exceeding 1000 mm/s.

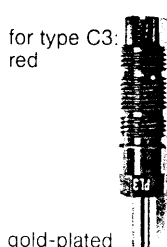
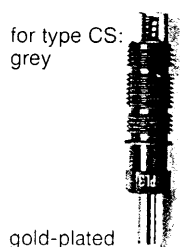
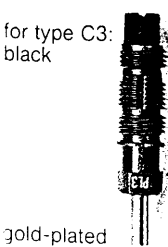
Three different types of points are available:

Tungsten carbide points  
Art. No. 757 PL0 P–PL8 P

Tungsten carbide points with cross-grooves  
Art. No. 757 PL0 CSP–PL8 CSP

Jewel-tipped points  
Art. No. 759 PL2 P–PL10 P

\*These plotter points are also available together with an adaptor for Benson plotters. Refer to page 8 for Art. Nos.



Optimal results in plotting can only be achieved if the proper drafting tools and drafting media are used in conjunction with your plotter model. If you have any questions, don't hesitate to contact us directly. Our plotter application specialists will be glad to help you.