



Dunlee Product Book

Complete Selection.
Complete Support.

CT Tubes

Radiographic Tubes

Image Intensifiers

Camera Tubes

High-Voltage Cables

Power Supplies

DUNLEE

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About Dunlee...

Zeroing in on your glassware needs.

The most complete tube supplier in the industry is doing more than ever before to meet your replacement needs. In addition to our comprehensive portfolio of CT and X-Ray replacement tubes, we offer an extensive line of Image Intensifiers, High-Voltage Cables, Camera Tubes, and Imaging-Related components. Three additional Dunlee locations provide reliable sales, technical support and customer support.



Dunlee Sales, Service, and Manufacturing Locations

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Tel: **55.11.2714.4698**
Fax: 55-11-2714.4671



See our complete line of CT replacement tubes starting on **page 5**



View image intensifiers and camera tubes on pages **13-17** and **29-32**



See our Radiographic and R/F tube selection starting on **page 19**



View our extensive inventory of OEM-rated cables on **pages 33-34**

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Please visit the Dunlee website at www.dunlee.com to learn more about Dunlee and our products. We also have available online the latest technical data specifications and contact information, as well as all the information you need to become one of Dunlee's valued customers.

At www.dunlee.com you will find the following and more:

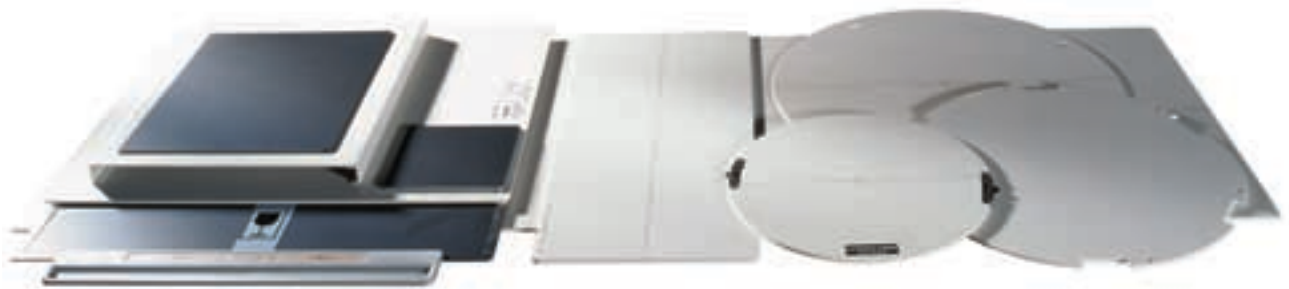
- **X-Ray and CT Tube Technical Data Specifications**
- **Customer Application**
- **Credit Application**
- **Letter of Credit Instructions**
- **Wire Transfer Instructions**
- **Tube Return Form**
- **Warranty**

www.dunlee.com

*Note: Distribution of products may be restricted.
Information provided within is subject to change without notice.
Consult Cross Reference Guide for additional details for products.*

When placing a tube order, please be ready to specify the tube type, cable terminal angle, and stator type. Applicable published warranty in effect on shipping date will apply. **Dunlee reserves the right to make changes to prices and warranty without notice.**

To place an order contact Dunlee customer service @ 1-800.238.3780 (USA and Canada) 630.585.2622 or fax a purchase order to 630.585.2125



Smit Röntgen, a division of Philips Healthcare has been manufacturing quality fiber-interspaced grids for medical x-ray applications for 80 years. They offer a wide variety of sizes, shapes and line/pair configurations. Fiber-interspaced grids are well known to offer radiation dose reductions of up to 40% over that of non-fiber interspaced grids. If you need grids for digital radiography, mammography, surgical c-arm or CT, Smit Röntgen offers the right grid for the right application.



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Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	<p>Reevo 240G This 8.0 MHU CT tube is designed as a replacement for use in GE LightSpeed VCT, LightSpeed VCT Select, LightSpeed RT16, LightSpeed Xtra, LightSpeed Pro16, Discovery VCT</p> <p>Replaces D3193T/D3194T</p>	- 96401	0.7 x 0.5 0.9 x 0.9	7°	8,000	Contact Dunlee
	<p>DA 200 Pro This 6.3 MHU CT tube is designed as a replacement for use in GE HiSpeed NX/i Pro and HiSpeed ZX/i</p> <p>Replaces D3152T</p>	- 88401	0.7 x 0.5 0.9 x 0.9	7°	6,300	Contact Dunlee
	<p>DA 200 ULTRA This 6.3 MHU CT tube is designed as a replacement for use in GE LightSpeed 16, LightSpeed VFX Plus, LightSpeed VFX Ultra, LightSpeed RT, BrightSpeed Elite, BrightSpeed Ecel, Discovery ST, and Discovery LS</p> <p>Replaces D3182T/D3186T</p>	- 88704	0.7 x 0.6 0.9 x 0.9	7°	6,300	Contact Dunlee
	<p>DA 200 This 6.3 MHU CT tube is designed as a replacement for use in GE HiSpeed CT/i</p> <p>Replaces D3132T</p>	- 87504	0.7 x 0.6 0.9 x 0.9	7°	6,300	Contact Dunlee
	<p>DA 200 This 6.3 MHU CT tube is designed as a replacement for use in GE LightSpeed QX/i.</p> <p>Replaces D3176T</p>	- 87505	0.7 x 0.6 0.9 x 0.9	7°	6,300	Contact Dunlee
	<p>HiSpeed DA 165 This 3.5 MHU CT tube is designed as a replacement for use in GE HiSpeed Advantage and GE CT/i CT systems</p> <p>Replaces D3102T</p>	- 82600	0.9 x 0.7 1.2 x 1.2	7°	3,500	140K

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	Solarix DA 165NP / MX 165NP This 3.5 MHU CT tube is designed as a replacement for use in GE HiSpeed FX/i, LX/i, DX/i, and NX/i CT systems Replaces D3142T	- 83901 - 83900	0.9 x 0.7 1.2 x 1.2	7°	3,500	140K
	ProSpeed DA 165PS / MX 165P5 This 3.5 MHU CT tube is designed as a replacement for use in GE ProSpeed CT systems. Replaces D3112T	- 82901 - 82900	0.9 x 0.7 1.2 x 1.2	7°	3,500	120K
	Pegasus DA 135 CT/e / MX 135 CT/e This 2.0 MHU CT tube is designed as a replacement for use in GE CT/e and CT ProSpeed Ai systems. Replaces D3162T	- 80800 - 80801	0.7 x 0.6	7°	2,000	80K
	HiLight Advantage DA 135 / MX 135 This 2.0 MHU CT tube is designed as a replacement for use in GE HiLight Advantage and 9800 HiLight Advantage CT systems. Replaces D3302T/3203T	- 80100 - 80500	0.7 x 0.6	7°	2,000	80K
	Sytec MX 135 Venus SR/i This 2.0 MHU CT tube is designed as a replacement for use in GE CT systems. Replaces D3122T	- 77510	0.7 x 0.6	7°	2,000	80K
	Sytec Pace DA 115 / MX 115 This 1.5 MHU CT tube is designed as a replacement for use in GE Sytec/Pace CT systems. Replaces D3302T	- 83700 - 83500	0.7 x 0.4	9°	1,500	80K




Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
General Electric						
	CT MAX DA/MX 100 This 400 KHU CT tube is designed as a replacement for use in GE CTMAX I, CTMAX II, CTMAX 640, CTMAX 320, and Sytec 1800i systems. Replaces D3502T/3512T	- 82700 - 82500	0.6	6.5°	400	40K
Philips						
	B 220 Philips DA 220 Philips This 2.0 MHU CT tube is designed as a replacement for use in Philips Tomoscan SR6000 and LX CT systems. This product replaces OEM insert GS-2070	- 82402 - 89500	0.7 x 0.8 1.2 x 1.4	7°	2,000	50K
	B 180 Philips DA 180 Philips This 1.5 MHU CT tube is designed as a replacement for use in Philips Tomoscan CX and TX CT systems. This product replaces OEM insert GS-1580	- 82302 - 88500	0.8 x 1.5 1.5 x 2.4	10°	1,500	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	CTR 1792 RGQ This 6.5 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94811	0.4 x 0.7 0.6 x 1.3	7°	6,500	120K
	CTR 1790 RGQ This 5.0 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94807	0.4 x 0.7 0.6 x 1.3	7°	5,000	100K
	CTR 1791 RGQ This 4.0 MHU CT tube is designed as a replacement for use with Picker/Marconi PQ CT systems.	- 94809	0.4 x 0.7 0.6 x 1.3	7°	4,000	80K
	CTR 1762 RGQ This 3.4 MHU CT tube is designed as a replacement for use in Picker/Marconi PQ CT systems.	- 94803	0.4 x 0.7 0.6 x 1.3	10°	3,400	50K
	CTR 1590RC This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi PQ CT systems.*	- 94707	0.4 x 0.9 0.6 x 1.45	10°	2,000	80K
	CTR 1563RC CTR 1563RCPN This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi PQ CT systems.	- 94701 - 87900	0.4 x 0.9 0.6 x 1.45	10°	2,000	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	CTR 1569RC This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi IQ, Premier, Xtra, and IQ Xtra T/C (Upgrade) systems. (Used with 60 Hz power.)	- 94602	0.7 x 1.4	10°	2,000	50K
	CTR 1568RC CTR 1568RCPN This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi IQ, Premier, Xtra, and IQ Xtra T/C (Upgrade) systems. (Used with 50 Hz power.)	- 94603 - 82100	0.7 x 1.4	10°	2,000	50K
	CTR 1562RC CTR 1562RCPN This 2.0 MHU CT tube is designed as a replacement for use in Picker/Marconi 1200 Premier systems. *	- 93901 - 81600	0.4 x 1.0 0.6 x 1.6	10°	2,000	50K
	CTR 1555RC CTR 1555RCPN This 1.5 MHU CT tube is designed as a replacement for use in Picker/Marconi 600 and 1200 CT systems.	- 93301 - 82800	0.4 x 0.7 0.6 x 1.45	10°	1,500	40K

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
Picker/Marconi/Elscint						
	This 7.0 MHU CT tube is designed as a replacement for use in Elscint Twin, Flash and RTS CT Systems. Replaces GS-6079 *	- 70910	0.8 x 1.5 1.5 x 1.5	7°	7,000	100kss
	This 5.0 MHU CT tube is designed as a replacement for use in Elscint Helicat II, Flash and CT Twin II CT Systems. Replaces GS-5079 *	- 70110	0.8 x 1.5 1.5 x 1.5	7°	5,000	300kss
	This 3.5 MHU CT tube is designed as a replacement for use in Elscint Helicat II, Flash and CT Twin II CT Systems. Replaces GS-3077	- 95300	0.8 x 1.5 1.5 x 1.5	7°	3,500	300kss
	This 3.5 MHU CT tube is designed as a replacement for use in Elscint Select CT Systems. Replaces GS-3074	- 96603	0.8 x 1.2	7°	3,500	100K
	This 1.5 MHU CT tube is designed as a replacement for use with Elscint Select CT Systems. Replaces GS-1584 *	- 70510	0.8 x 0.9	10°	1,500	50K
	This 1.0 MHU CT tube is designed as a replacement for use in Elscint 1800, 2000, and Sprint CT Systems. Replaces GS-1089 *	- 70610	1.3 x 1.6	10°	1,000	50K

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
Shimadzu						
	<p>DA 240 Shimadzu This 3.5 MHU CT tube is designed as a replacement for use in Shimadzu SCT 6800 series and SCT7000 series CT systems.</p> <p>This product replaces OEM insert GS-3075</p>	- 86601	0.7 x 1.2 1.2 x 1.5	7°	3,500	100K
	<p>B 220 Shimadzu DA 220 Shimadzu This 2.0 MHU CT tube is designed as a replacement for use in Shimadzu series: SCT3000 TX/C, 4000, 5000, 6000, and 7000 CT systems.</p> <p>This product replaces OEM insert GS-2075</p>	- 89600 - 82403	0.7 x 1.2 1.2 x 1.5	7°	2,000	50K
	<p>B 180 Shimadzu DA 180 Shimadzu This 1.5 MHU CT tube is designed as a replacement for use in Shimadzu systems: SCT3000, SCT4000, SCT5000, SCT4500, and SCT4800 TE.</p> <p>This product replaces OEM insert GS-1585</p>	- 82303 - 88600	0.8 x 1.5	10°	1,500	50K
Siemens						
	<p>S 502 Siemens This 5.3 MHU CT tube is designed as a replacement for use in Siemens Somatom Plus 4 Power and Expert series CT systems.</p> <p>Replaces 2842040</p>	- 95001	0.6 x 0.5 0.8 x 1.1	7°	5,300	130kss
	<p>S 532B/Akron B This 5.3 MHU CT tube is designed as a replacement for use in Siemens SOMATOM Volume Zoom*, Volume Access, and the Sensation 4 systems.</p> <p>Replaces 4791005</p>	- 95702	0.5 x 0.7 0.8 x 1.2	7°	5,300	150kss
	<p>S 532Q/Akron Q* This 5.3 MHU CT tube is designed as a replacement for use in Siemens Sensation 10/16/Cardiac Systems.</p> <p>Replaces 7393148</p>	- 95902	0.5 x 0.7 0.8 x 1.2	7°	5,300	120kss

Scanner Manufacturer	Tube Type	Ordering No. 9896055 -	Focal Spot	Target Angle	kHU	Warranty
Toshiba						
	<p>DA 240 Toshiba This 3.5 MHU CT tube is designed as a replacement for use in Toshiba TCT 900SX series, Xvision, and Xpress series CT systems. Replaces GS-3078</p>	- 86602	1.1 x 1.1 1.7 x 1.7	7°	3,500	100K
	<p>B 220 Toshiba DA 220 Toshiba This 2.0 MHU CT tube is designed as a replacement for use in Toshiba series: Xspeed, 600S, XT, and HQ CT systems. This product replaces OEM insert GS-2078</p>	- 89200 - 82401	0.9 x 0.9 1.1 x 1.0	7°	2,000	50K
	<p>B 180 Toshiba DA 180 Toshiba This 1.5 MHU CT tube is designed as a replacement for use in these Toshiba series: TCT80A, TCT300, TCT400, and TCT500 CT systems. This product replaces OEM insert GS-1588</p>	- 88200 - 82301	1.0 x 1.0	10°	1,500	50K

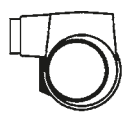
Product Type	Description
6" Image Intensifiers	
T600R 6" Single-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 6" (15 cm) HP Single-Mode Image Intensifier.
T600-P/S 6" Single-Mode HP Image Intensifier	Includes a 6" (15 cm) Single-Mode Thales HP Image Intensifier with housing and solid-state power supply.
P600 - P/S Glass 6" Single-Mode Glass Image Intensifier	Reload of customer's housing with a new (15 cm) Philips glass Image Intensifier and Power Supply for Philips applications.
P610 - P/S Fibre 6" Single-Mode Fibre Image Intensifier	Reload of customer's housing with a (15 cm) Philips fibre Image Intensifier and Power Supply for Philips applications.
P610 Fibre 6" Single-Mode Fibre Image Intensifier	Reload of customer's housing with a new (15 cm) Philips fibre Image Intensifier for Philips applications.
9" Image Intensifiers	
T900R 9" Single-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) HP Single-Mode Image Intensifier.
T900-P/S 9" Single-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) HP Single-Mode Image Intensifier with housing and solid-state power supply.
T964R 9" Dual or Tri-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) HP Tri-Mode Image Intensifier.
T964-P/S 9" Dual or Tri-Mode HP Image Intensifier	Includes a 9" (23 cm) Tri-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T964QXR 9" Dual or Tri-Mode QX Image Intensifier	Reload of customer's housing with a new Thales 9" (23 cm) QX Tri-Mode Image Intensifier.
T964QX-P/S 9" Dual or Tri-Mode QX Image Intensifier	Includes a 9" (23 cm) Tri-Mode Thales QX Image Intensifier with housing and solid-state power supply.
P975-N3I 9" Dual-Mode N3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and power supply for Philips N3I applications.
P975-P/S-3I 9" Tri-Mode 3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing for Philips 3I applications.
TH59438Q2I0G012L4I 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q2I0G032L4I 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q2I0G032L45 9" Tri-Mode QX High Performance Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59438Q2I0G032L45 9" Tri-Mode QX High Performance II Image Intensifier	Includes a (23 cm) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.

Product Type	Description
9" Image Intensifiers	
P975-3I 9" Tri-Mode 3I Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips 3I applications.
P975-P/S-HRC 9" Tri-Mode HRC Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and Power Supply for Philips cardiac applications.
P975-HRC 9" Tri-Mode HRC Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips cardiac applications.
P975-P/S-BV29 9" Tri-Mode BV29 Image Intensifier	Includes a (23 cm) Philips Image Intensifier with housing, and Power Supply for Philips BV-29 applications.
P975-BV29 9" Tri-Mode BV29 Image Intensifier	Includes a (23 cm) Philips Image Intensifier and housing for Philips BV29 applications.
12" Image Intensifiers	
T1296R 12" Tri-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) HP Tri-Mode Image Intensifier.
T1296-P/S 12" Tri-Mode HP Image Intensifier	Includes a 12" (30 cm) Tri-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T1296QXR 12" Tri-Mode QX Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) QX Tri-Mode Image Intensifier.
T1296QX-P/S 12" Tri-Mode QX Image Intensifier	Includes a 12" (30 cm) Tri-Mode Thales QX Image Intensifier with housing and solid-state power supply.
TH59432Q882MG012L40 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q882MG032L40 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q686MG012L44 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
TH59432Q686MG032L44 12" Tri-Mode QX High Performance Image Intensifier	Includes a (12 inch) Thales QX Image Intensifier with housing, power supply, and integrated CCD camera.
T12964R 12" Quad-Mode HP Image Intensifier	Reload of customer's housing with a new Thales 12" (30 cm) HP Quad-Mode Image Intensifier.
T12964-P/S 12" Quad-Mode HP Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales HP Image Intensifier with housing and solid-state power supply.
T1294QXR 12" Quad-Mode QX Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales QX Image Intensifier
T12964QX-PS 12" Quad-Mode HP Image Intensifier	Includes a 12" (30 cm) Quad-Mode Thales QX Image Intensifier with housing and solid-state power supply.

Product Type	Description
14-16" Image Intensifiers	
T161296QX-P/S 16" Quad-Mode QX Image Intensifier	Includes a 16" (40 cm) Quad-Mode Thales QX Image Intensifier with housing and power supply.
P1600-P/S 14-16" Multi-Mode Image Intensifier	Includes a (38 cm) Philips Image Intensifier, housing, and Power Supply for Philips applications.
P1600 14-16" Multi-Mode Image Intensifier	Includes a (38 cm) Philips Image Intensifier and housing for Philips applications.
Thales Power Supplies	
TH7128 Low-Voltage Power Supply	Use with TH7195-3, 85 to 250 VAC input, 24 VDC output.
TH7169 Low-Voltage Power Supply	Use with 9" Tri-Mode Image Intensifiers. Jumper selectable 110 VAC or 220 VAC input.
TH7170 Low-Voltage Power Supply	Use with 12" Tri-Mode Image Intensifiers. Jumper selectable 110 VAC or 220 VAC input.
TH7160DX High-Voltage Power Supply	The TH7160 series of HVPS is no longer manufactured. See the TH7195-3 Kits listed below for replacements.
TH7154C High-Voltage Power Supply	Used primarily on CGR systems.
TH7191 High-Voltage Power Supply	Use with Thales 6", 9" and 12" Image Intensifiers.
TH7192 High-Voltage Power Supply	Use with 16" Quad-Mode Image Intensifiers with 40 VDC input.
TH7193 High-Voltage Power Supply	Use with 6" Single-Mode Image Intensifier with 24 VDC input.
TH7194-3P High-Voltage Power Supply	Use with 9" & 12" Tri-Mode Image Intensifier with 24 VDC input.
TH7195-3 High-Voltage Power Supply	Use with 9" & 12" Tri-Mode Image Intensifiers with 24 VDC input.

Product Type	Description
Thales Power Supplies	
TH7195-3 9" Kit HVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS on Thales 9" Systems.
TH7195-3 9" Kit HVPS & LVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS and a TH7169 LVPS on Thales 9" systems.
TH7195-3 12" Kit HVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS on Thales 12" systems.
TH7195-3 12" Kit HVPS & LVPS High-Voltage Power Supply	This kit will replace a TH7160 series HVPS and a TH7169 LVPS on Thales 12" systems.
TH7195-4 High-Voltage Power Supply	Use with Quad-Mode Image Intensifiers with 24 VDC input.
TH7197 High-Voltage Blanking Power Supply	Use with 9" & 12" Image Intensifiers with 24 VDC input.
TH7198-4 High-Voltage Blanking Power Supply	Use with Thales 16" with 24 or 40 VDC input.
TH7221 High-Voltage Blanking Power Supply	Use with Thales 16" with 24 or 40 VDC input.
Philips Power Supplies	
PPS-25P/369 High-Voltage Power Supply	Power Supply for Philips Applications (6").
PPS-26P/368 High-Voltage Power Supply	Power Supply for Philips Applications.
PPS-30P/366 High-Voltage Power Supply	Power Supply for Philips HRC Applications.
PPS-40P/365 High-Voltage Power Supply	Power Supply for Philips 38 cm Applications.
PPS-26P/366-MOD KIT High-Voltage Power Supply	Use to replace rack mounted Philips Image Intensifier Power Supplies on 23 cm systems.
PPS-40p/365-MOD KIT High-Voltage Power Supply	Use to replace rack mounted Philips Image Intensifier Power Supplies on 38 cm systems.
Other Power Supplies	
	For other Image Intensifier Power Supplies, Call Dunlee-Arlington 800.544.9729 (USA & Canada) or 817.640.7666 for assistance.

Radiographic Tubes - 3 in / 76mm Anode Unit - PX I300 Series



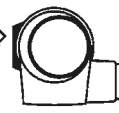
A=0°



C=90°



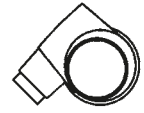
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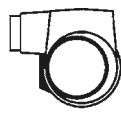


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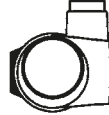
Radiographic tubes designed for general radiographic light-duty/heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU
Radiographic Tubes - 140 kHU								
PX I351	- 91501	C	S	1.0/2.0	16°	23/49	125	140
Radiographic Tubes - 300 kHU								
PX I302	- 91537	C	S	1.0/2.0	15°	37/78	150	300
PX I312	- 91516 - 91518	C E	S S	0.6/1.2	12.5°	27/70	150	300

Radiographic Tubes - 4 in / 100mm Anode Unit - PX 1400 Series



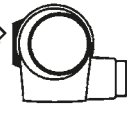
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C=90°



D=135°



E=180°



G=270°

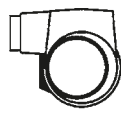


H=315°

Radiographic tubes designed for general radiographic light-duty/heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	kVp	Anode Storage Capacity kHU						
Radiographic Tubes - 300 kHU														
PX 1402	- 91610	C	S	1.0/2.0	15°	60/120	150	300						
	- 91611	E	S											
	- 91615	G	S											
	- 91612	C	Q											
	- 91613	E	Q											
	- 91614	G	Q											
Radiographic Tubes - 300 kHU														
PX 1429	- 94208	A	S	0.6/1.2	13.5°	40/100	150	300						
	- 94204	C	S											
	- 94214	D	S											
	- 94205	E	S											
	- 94206	G	S											
	- 94209	A	Q											
	- 94210	C	Q											
	- 94213	D	Q											
	- 94211	E	Q											
	- 94212	G	Q											
	Radiographic Tubes - 400 kHU													
	PX 1436	- 93014	C						S	0.6/1.2	13.5°	40/100	150	400
- 93017		D	S											
- 93015		E	S											
- 93039		G	S											
- 93005		A	Q											
- 93007		C	Q											
- 93016		D	Q											
- 93011		E	Q											
PX 1482		- 92604	A	S	0.6/1.0	15°	25/60	150	400					
		- 92606	C	S										
	- 92603	G	S											
	- 92601	A	Q											
	- 92605	C	Q											
PX 1483	- 92804	A	S	0.3/1.0	15°	9/60	150	400						
	- 92803	G	S											
	- 92801	A	Q											
	- 92805	C	Q											

Radiographic Tubes - 4 in / 100mm Anode Unit - PX I400 Series



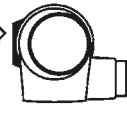
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C=90°



D=135°



E=180°



G=270°

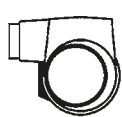


H=315°

Radiographic tubes designed for general radiographic light-duty/heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp	Anode Storage Capacity kHU
Radiographic Tubes - 600 kHU								
PX I463	- 94101	A	S	1.0/2.0	12°	60/120	150	600
	- 94102	C	S					
	- 94103	D	S					
	- 94104	E	S					
	- 94105	G	S					
	- 94106	A	Q					
	- 94107	C	Q					
	- 94108	D	Q					
	- 94109	E	Q					
	- 94110	G	Q					
PX I492	- 91572	C	S	0.6/1.2	12°	40/100	150	600
PX I494	- 91573	C	S	0.4/0.8	14°	15/45	150	600
Radiographic Tubes - 750 kHU								
PX I475	- 94900	C	S	0.6/1.2	12°	29/83	150	750

Radiographic Tubes - 4 in / 100mm Anode Unit - DA 10 Series



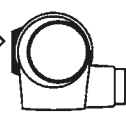
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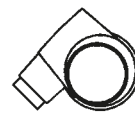
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E=180°



G=270°

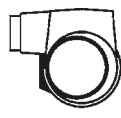


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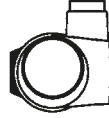
Radiographic tubes designed for general radiographic heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp	Anode Storage Capacity kHU
Radiographic Tubes - 300 kHU								
DA 1002	- 80210	C	R	1.0/2.0	15°	60/120	150	300
DA 1029	- 80220	C	R	0.6/1.2	13.5°	40/100	150	300
Radiographic Tubes - 400 kHU								
DA 1036	- 80310	C	R	0.6/1.2	13.5°	40/100	150	400
DA 1082	- 80320	C	R	0.6/1.0	15°	25/60	150	400
DA 1083	- 80330	C	R	0.3/1.0	15°	9/60	150	400
Radiographic Tubes - 600 kHU								
DA 1092	- 80920 - 75620	C E	R R	0.6/1.2	12°	40/100	150	600
DA 1094	- 80930	C	R	0.4/0.8	14°	15/45	150	600

Radiographic Tubes - 4 in / 100mm Anode Unit - DR I0 Series



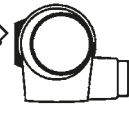
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C=90°



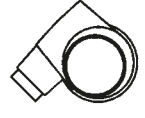
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E=180°



G=270°

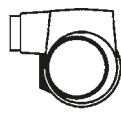


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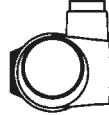
Radiographic tubes designed for general radiographic heavy-duty X-Ray systems.

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp	Anode Storage Capacity kHU
Radiographic Tubes - 300 kHU								
DR 1429	- 96101 - 96102	C G	R R	0.6/1.2	13.5°	40/100	150	300
Radiographic Tubes - 400 kHU								
DR 1436	- 96111	C	R	0.6/1.2	13.5°	40/100	150	400
Radiographic Tubes - 600 kHU								
DR 1492	- 96121	C	R	0.6/1.2	12°	40/100	150	600
DR 1494	- 96131	C	R	0.4/0.8	14°	15/45	150	600

Radiographic Tubes - GE



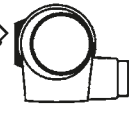
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C=90°



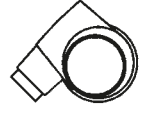
D=135°



E=180°



G=270°



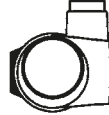
H=315°

	Ordering No. 9896055 -	Horn Angle	Pressure Switch	Focal Spot	Target Angle	kHU	KVp
General Electric							
AMX 3	- 87429	C	No	0.75	15°	300	130
AMX 4 (D2641P + D2642P)	- 86702	C	Yes	0.75	15°	300	130
AMX 4 (D2651P + D2652P)	- 87511	C	No	0.80	14°	196	125
MX 100 *	- 87383 - 87384 - 87385 - 87386	C C E E	No Yes No Yes	0.6/1.25	13.5°	400	150
MX 100FLX *	- 87388 - 87387	A A	No Yes	0.6/1.25	13.5°	400	150
ORTHORAD III E 7833X (RAD 99 Equivalent)	- 72731	C	No	0.3/0.6	10°	300	125

Radiographic Tubes - GE, Philips



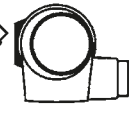
A=0°



C=90°



D=135°



E=180°



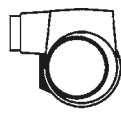
G=270°



H=315°

	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kHU	KVp
General Electric							
GE-HRT *	- 87217	C	High	1.0/2.0	16°	140	125
GE-HRT *	- 87246 - 87247	C E	High High	1.0/2.0	15°	300	150
GE-HRT *	- 87275 - 87276 - 87277	A C E	High High High	0.6/1.2	12.5°	300	150
MX 75 "N" *	- 87249 - 87250 - 87248 - 87251	C E E C	Equal Equal High High	1.0/2.0	15°	300	150
MX 75 FL (R/X) *	- 87279 - 87280	A A	Equal Equal	0.6/1.2	12.5°	300	150
Philips							
DU 33/100, DA 350	- 87493	C	P	0.6/1.2	12°	30/100 kW Rating	150
DU 25/50, DA 350	- 87494	C	P	0.6/1.0	15°	25/50 kW Rating	150
 <p>This 325 KHU X-Ray tube is specifically designed as a ROT 350 replacement for use with Philips X-Ray systems.</p>							

Radiographic Tubes - Siemens



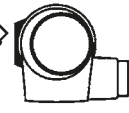
A=0°



C=90°



D=135°



E=180°



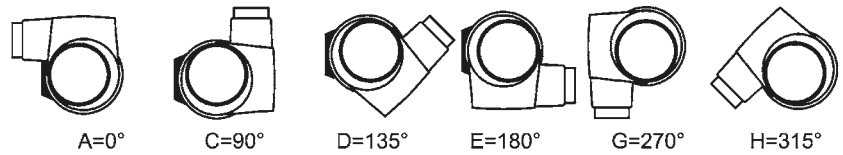
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H=315°

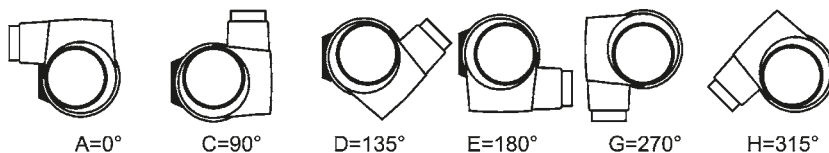
	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp
Siemens							
OPTI 150 30/50C 100L OPTI 150 30/50C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74810 - 74820	C C	S 3PH	0.6/1.0	16°	30/50	150
OPTI 150 40/73C 100L OPTI 150 40/73C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74830 - 74840	C C	S 3PH	0.6/1.0	12°	40/73	150
OPTI 150 40/82C 100L OPTI 150 40/82C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 74850 - 74860	C C	S 3PH	0.6/1.2	12°	40/82	150
OPTI 150 40/80C 100L OPTI 150 40/80C 100 This 600 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 77480 - 77490	C C	S 3PH	0.6/1.0	12°	40/80	150
OPTI TOP 40/80C 100 This 800 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Opti X-Ray systems.	- 71710	C	3PH* or S <i>*Specify S or 3 phase</i>	0.6/1.0	12°	40/80	150
Mega 125 40/82C 120L Mega 125 40/82C 120 This 1300 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Megalix X-Ray systems.	- 77460 - 77470	C C	S 3PH	0.6/1.0	12°	40/80	125
Mega 125 30/82CM 120LW Mega 125 30/82CM 120GW Mega 125 40/82CM 120L Mega 125 40/82CM 120 Mega 125 15/40/82CM 120GLW Mega 125 15/40/82CM 120GW This 1300 KHU X-Ray tube is specifically designed as a replacement for use with Siemens Megalix X-Ray systems. Note: Not compatible with N 81 starter.	- 77440 - 77450 - 77420 - 77430 - 77410 - 77810	C C C C C C	S 3PH S 3PH S 3PH	0.4/0.8 0.4/0.8 0.6/1.0 0.6/1.0 0.3/0.6/1.0 0.3/0.6/1.0	8° 8° 12° 12° 12° 12°	30/82 30/82 40/82 40/82 15/40/82 15/40/82	125 125 125 125 125 125
Please specify two-phase or three-phase stator when placing order. * specify if Grid when ordering **specify if water cooled							

Radiographic Tubes - Varian



	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kHU	KVp
Varian							
B100	- 87209	C	R	1.0/2.0	16°	140	125
	- 87234	C	R	1.0/2.0	15°	300	150
B100	- 87254	C	R	0.6/1.2	12.5°	300	150
	- 87255	E	R				
B130	- 87309	C	R	0.6/1.2	13.5°	300	150
	- 87311	C	S				
	- 87310	E	S				
B130	- 87338	C	R	0.6/1.2	13.5°	400	150
B130	- 87367	C	R	0.6/1.0	15°	400	150
	- 87368	G	S				
B130	- 73410	C	R	0.6/1.2	12°	600	150
B150	- 87290	C	P	1.0/2.0	15°	300	150
	- 87291	E	R				
B150	- 87312	C	R	0.6/1.2	13.5°	300	150
	- 87313	E	R				
	- 87314	C	S				
	- 87315	D	S				
	- 87316	E	S				
	- 87319	G	R				
B150	- 87340	C	R	0.6/1.2	13.5°	400	150
	- 87342	C	S				
	- 87341	D	R				
	- 87344	E	R				
	- 87345	G	R				
B150	- 87369	A	R	0.6/1.0	15°	400	150
	- 87371	C	R				
	- 87372	G	S				
B150	- 87366	C	R	0.6/1.2	12°	600	150
B150	- 87496	C	R	0.6/1.2	12°	600	150

Radiographic Tubes - Varian



	Ordering No. 9896055 -	Horn Angle	Stator Type	Focal Spot	Target Angle	kW Rating	KVp
Varian							
Diamond RAD-68 Replacement *	- 87235 - 87236	C E	R R	1.0/2.0	15°	37/78	150
Diamond RAD-14 Replacement *	- 87256 - 87257 - 87258	A C E	R R R	0.6/1.2	12°	27/70	150
Emerald RAD-74 Replacement *	- 72710	C	R	0.6/1.5	14°	18/50	125
Emerald RAD-8 Replacement *	- 87214 - 87215	C E	R R	1.0/2.0	15°	20/40	125
Sapphire RAD-44 Replacement *	- 87296	C	R	1.0/2.0	15°	60/120	150
Sapphire RAD-21 Replacement *	- 87334 - 87335 - 87336	A C E	R R R	0.6/1.2	13.5°	40/100	150
Sapphire RAD-56 Replacement *	- 87362 - 87363 - 87364	A C E	R R R	0.6/1.2	13.5°	40/100	150
Sapphire RAD-60 Replacement *	- 87362 - 87363 - 87364	A C E	R R R	0.6/1.2	13.5°	40/100	150
Sapphire RAD-56 Replacement *	- 87378	C	R	0.6/1.0	13.5°	25/60	150
Sapphire RAD-92 Replacement *	- 74410	C	R	0.6/1.2	12°	40/100	150
Sapphire RAD-94 Replacement *	- 74441	C	R	0.4/0.8	14°	15/45	150
Toshiba							
E7239X - 150 KHU	- 70371	G	R	1.0/2.0	16°	20/40	125
E7239FX - 150 KHU	- 70370	C	R	1.0/2.0	16°	20/40	125
E7239GX - 150 KHU	- 70720	E	R	1.0/2.0	16°	20/40	125
E7242X - 200 KHU	- 87435	G	R	0.6/1.5	14°	18/50	125
E7242FX - 200 KHU	- 72710	C	R	0.6/1.5	14°	18/50	125
E7242GX - 200 KHU	- 87204	E	R	0.6/1.5	14°	18/50	125

Camera Tube Type	Ordering No. 9896055 -	Description /Comments
Resistron Camera Tubes		
XQ1290F (Part No. 270669) 25mm Resistron w/Fiber Optic Face	- 70669	High sensitivity with good resolution. Equivalent to model XQ1285 (25mm Vidicon with fiber optic face).
XQ1290TM (Part No. 270671) 25mm Vidicon	- 70671	High sensitivity with good resolution and low lag.
XQ1370 (Part No. 270672) 18mm Resistron	- 70672	High sensitivity with good resolution. Use with Siemens VideoMed K.
XQ1395 (Part No. 270673) 25mm Resistron (Hivicon)	- 70673	High sensitivity with high resolution.
Saticon Camera Tubes		
XQ1560 (Part No. 270674) 25mm Saticon	- 70674	Very low lag with high resolution.
XQ1570 (Part No. 270675) 25mm Saticon	- 70675	Low lag with high resolution and high electron beam capacity. DSA applications.
XQ1580 (Part No. 270677) 25mm Saticon Diode Gun	- 70677	For use with Philips XTV-II.
XQ1575 (Part No. 270676) 25mm Saticon Diode Gun	- 70676	Very low lag with high resolution. Use with Cath/Angio/DSA applications.
XQ1585 (Part No. 270678) 25mm High Resolution Saticon	- 70678	Use with GE systems.
XQ1565 (Part No. 270700) 25mm High Resolution Saticon	- 70700	Very low lag with high resolution.
Plumbicon Camera Tubes		
XQ1072 (Part No. 270658) 25mm Plumbicon	- 70658	Standard resolution. For use with P20 Phosphor.
XQ1073X (Part No. 270659) 25mm Plumbicon w/ BGI8 Disc	- 70680	High resolution with light bias and high electron beam capacity. Rear loading.
XQ2172/03X (Part No. 270682) 25mm Plumbicon Diode Gun	- 70682	High resolution with light bias and high electron beam capacity. Front loading.
XQ2182/03X (Part No. 270683) 25mm Plumbicon Diode Gun	- 70683	1" front loading Plumbicon diode gun.

WARRANTY: Dunlee warrants its camera tubes to be free from manufacturing defects for a period of one year, non pro rata. Warranty decisions are solely at the discretion of the manufacturer.

Camera Tube Type	Ordering No. 9896055 -	Description /Comments
Plumbicon Camera Tubes		
XQ2183/02X (Part No. 270701) 25mm Plumbicon Diode Gun	- 70701	This camera tube is designed for use with Infimed Systems.
XQ2183/03X (Part No. 270684) 25mm Plumbicon Diode Gun	- 70684	1" front loading Plumbicon diode gun.
XQ3442/83XQ (Part No. 270685) 30mm Plumbicon Diode Gun	- 70685	High resolution with light bias, DBC, and high electron beam capacity. Front loading.
XQ4502A (Part No. 270687) 45mm Plumbicon Diode Gun	- 70687	Very high resolution with large target and low lag. Use with Philips applications.
XQ5002 (Part No. 270688) 45mm Plumbicon Diode Gun	- 70688	Electrostatically deflected. Use with Picker AVS TV system.
XQ7002 (Part No. 270689) 25mm Plumbicon Diode Gun	- 70689	High resolution with very low lag. Use with Toshiba LOC system.
Vidicon Camera Tubes		
XQ1271X (Part No. 270665) 18mm Vidicon	- 70665	Use with Siemens Video Med. K.
XQ1240X (Part No. 270661) 25mm Vidicon	- 70661	25mm standard medical grade Vidicon.
XQ1240XH (Part No. 270662) 25mm Vidicon	- 70662	25mm high sensitivity Vidicon.
XQ1280 (Part No. 270667) 25mm Vidicon	- 70667	25mm Vidicon with very high resolution and medium lag.
XQ1285 (Part No. 270668) 25mm Vidicon w/ Fiber Optic Face	- 70668	High sensitivity with medium lag. Use with Philips BV22/25 & Philips/Dornier Lithotripter.
8541AX (Part No. 270654) 25mm Vidicon	- 70654	25 mm standard Vidicon.
8541BX (Part No. 270655) 25mm Vidicon	- 70655	25mm low lag Vidicon.
8541XHR (Part No. 270656) 25mm Vidicon	- 70656	25mm Vidicon with high resolution and low lag.
Newvicon Camera Tubes		
XQ1274X (Part No. 270666) 18mm Newvicon	- 70666	Use with Siemens Video Med K.

WARRANTY: Dunlee warrants its camera tubes to be free from manufacturing defects for a period of one year, non pro rata. Warranty decisions are solely at the discretion of the manufacturer.

	Description / Comments
Thales CCD Cameras	
<p>Building on Thales Electron Devices' long experience in X-Ray diagnostic imaging, the TH8740 allows 1000 x 1000 pixel resolution, progressive scanning and interline CCD technology.</p> <p>The Thales 8740 1k x 1k interline CCD cameras are available in three versions.</p>	
TH8740-032	A 12-bit LVDS digital output CCD camera compatible with standard frame grabbers, an interface cable to Matrox Meteor II frame grabber is available.
TH8740-040	An 8740 CCD 12-bit CameraLink digital output camera compatible with CameraLink frame grabbers.
TH8740-012	<p>An 8740 CCD camera including a process and control unit with 12-bit Digital and two 1,000 line analog video outputs, standard image processing including: recursive filter, last image hold, gamma correction, edge enhancement, Horizontal and Vertical inversion, circular blanking, and up to 64-image memory.</p> <p>Thales cameras are available as part of an integrated Image Intensifier and CCD camera system in 6", 9", 12", 14" and 16" systems.</p>
525 Line CCD Cameras	525-line CCD cameras are available for lower cost imaging solutions.
1K x 1K CCD Cameras	1K x 1K cameras are available to upgrade imaging systems.

Camera Tube Type	Description / Comments
Optical Distributors - 6"	
270138	6" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
270125	6" Straight-Up Distributor without Lens Includes 6" mounting disk, tube spacer, cover, and Philips 4" quick-release dovetail mount.
Optical Distributors - 9"	
270139	9" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
270136	9" Straight-Up Distributor without Lens Includes 9" mounting disk, tube spacer, cover, and Philips 4" quick-release dovetail mount.
Optical Distributors - 12"	
270140	12" Right-Angle Distributor without Lens Used with a TV Camera to reduce the overall system height for undertable and overtable ceiling-suspended imaging systems. Includes quick-release dovetail on the camera port, mounting disk, and spacer. There is internal space available for an optional PMT and optics.
270137	12" Straight-Up Distributor without Lens Includes 12" mounting disk, tube spacer, cover, and Philips 4" quick release dovetail mount.
270141	12" Right-Angle Low-Profile Distributor w/100mm Lens Low-profile single port right-angle camera distributor for use with undertable applications where space is limited. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount, 100mm lens and fiber optically coupled PMT or Photo-Diode. Includes a light source for projecting light onto the objective lens for PMT sensing area setup.
Optical Distributors - 16"	
270142	16" Right-Angle Distributor w/Fiber Coupled Photo-Diode without Lens Low-profile right-angle single port camera distributor for use with 16" Thales Image Intensifiers. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount and fiber optically coupled photo-diode. Includes a light source for projecting light onto the objective lens for PD sensing area setup.
270143	16" Right-Angle Distributor w/Fiber Coupled Photo-Diode with 130mm HX Lens Low-profile right-angle single port camera distributor for use with 16" Thales Image Intensifiers. Features include X & Y camera centering adjustments, Philips-style 4" dovetail quick-release mount, 30mm HX lens and fiber optically coupled photo-diode. Includes a light source for projecting light onto the objective lens for PD sensing area setup.

Ordering Number 9896055 -	Part Number	Cable Length M*	Cable Length Ft.*	Ordering Number 9896055 -	Part Number
Federal Standard High-Voltage Cables					
M Series - Low Noise 3/C 100kV ML Style 0.785" Diameter				L Series - Low Noise 3/C 75kV HiFlex 0.650" Diameter	
70483	M3-005	1.5	5	70457	L3-005
70485	M3-010	3.0	10	70458	L3-010
70488	M3-015	4.5	15	70459	L3-015
70489	M3-020	6.0	20	70460	L3-020
70490	M3-025	7.5	25	70461	L3-025
70491	M3-030	9.0	30	70462	L3-030
70492	M3-035	10.5	35	70463	L3-035
70493	M3-040	12.0	40	70465	L3-040
70494	M3-045	13.5	45	70467	L3-045
70495	M3-050	15.0	50	70468	L3-050
70496	M3-055	16.5	55	79211	L3-055
70498	M3-060	18.0	60	70470	L3-060
70499	M3-065	19.5	65	70471	L3-065
70500	M3-070	21.0	70	70472	L3-070
70501	M3-075	22.5	75	70473	L3-075
70502	M3-080	24.0	80	70474	L3-080
70503	M3-085	25.5	85	70475	L3-085
70504	M3-090	27.0	90	70476	L3-090
70505	M3-095	28.5	95	70477	L3-095
70506	M3-100	30.0	100	70478	L3-100
70507	M3-105	32.0	105	70479	L3-105
70508	M3-110	33.5	110	70480	L3-110
70509	M3-115	35.0	115	70481	L3-115
70510	M3-120	37.0	120	70482	L3-120

- Notes:**
- Cables are also available in custom lengths.
 - M series cables employ removable metal split strain relief.
 - All cables are federal standard terminal configurations. Consult Dunlee before ordering cables for CT applications.
 - For grid applications, contact Dunlee.

Cable specifications are available on request.

Model	Part Number	Pin Configuration	Flange Diameter (inches) (mm)	Flange Type	Cable Diameter (inches) (mm)	Type
Federal Standard Field Termination Kits						
H875 P1	270416	3-Pin Federal I-9/16	39.7	Standard 0.785	20.0	M
H875 P2	270417	4-Pin Grid I-9/16	39.7	Standard 0.845	21.5	G
H875 P5	270420	3-Pin Federal I-9/16	39.7	Standard 0.650	16.5	L
Mobile Unit High-Voltage Cables (Battery and CD)						
Cable Type	Description/Comments					
General Electric						
H1147- P1 (Part No. 270396)	GE AMX HV Cable Type M 0.785" Dia. 11'10" Tip-Length, GE Hardware Kit					
H1147- P3 (Part No. 79611)	GE AMX HV Cable Type L 0.650 Dia. 11'10" Tip-Length, GE Hardware Kit AMX 110, II and III					
H1147- P4 (Part No. 79811)	GE AMX HV Cable Type M 0.785" Dia. 12'6" Tip-Length, GE Hardware Kit, AMX 4					
H1147- P5 (Part No. 270400)	GE AMX4 Plus HV Cable Type L 0.650" Dia. 16'2" Tip-Length, GE Hardware Kit					
Picker/Marconi						
M3-012 (Part No. 270487)	HV Cable Type M 0.785" Dia. 12'10" Tip-Length, Std. Hardware Kit					
Toshiba						
H149- P1 (Part No. 270401)	Anode HV Cable Type M 0.785" Dia. 11'0" Tip-Length, Straight Hardware Kit					
H149- P2 (Part No. 270402)	Cathode HV Cable Type G 0.845" Dia. 11'0" Tip-Length, Spec Wiring, Straight Hardware Kit					
Hitachi/Shimadzu						
H445- P1 (Part No. 270404)	Anode HV Cable Type M 0.785" Dia. 11'0" Tip-Length, Straight Hardware Kit					
H445- P2 (Part No. 270405)	Cathode HV Cable Type G 0.845" Dia. 11'0" Tip-Length, Spec Wiring, Straight Hardware Kit					

This document is a partial listing of Dunlee tubes and compatible systems.
For more information, contact Dunlee at 800.238.3780.

CT Scanner Type	OEM Housing	OEM Insert	KHU	Focal Spot (mm)	Dia. (mm)	T/A	max kV	Dunlee Order No. 9896055
GENERAL ELECTRIC								
CT MAX 320/640	CTMax	MX 100	400	0.6	100	6.5	135	82700, 82500
Sytec 1600i/1800i	CTMax	MX 100	400	0.6	100	6.5	135	82700, 82500, 88845
Sytec Pace, Plus, 2,3,4000	Pace (Wj)	MX 115	1500	0.7x0.4	115	9	140	883700, 83500
Sytec SRi, Sytec Synergy	Venus	MX 135	2000	0.9x0.7	135	7	140	77510
HiLight Advantage, 9800 HiLight HTD	Jupiter	MX 135	2000	0.7x0.4	135	7	140	80100, 80500
HiSpeed CT/e, Ai, CT/e Dual	Venus Plus	MX 135	2000	0.7x0.6	135	7	140	80800, 80801
Sytec 6000/8000, ProSpeed, Plus, SX	ProSpeed (Qj)	MX 165	3500	0.9x0.7, 1.2x1.2	165	7	140	82900, 82901
HiSpeed DX /i	Solarix 350	MX 165	3500	0.9x0.7, 1.2x1.2	165	7	140	83900, 83901
HiSpeed FX/i	Solarix 350	MX 165	3500	0.9x0.7, 1.2x1.2	165	7	140	83900, 83901
HiSpeed LX/i	Solarix 350	MX 165	3500	0.9x0.7, 1.2x1.2	165	7	140	83900, 83901
HiSpeed Advantage, CTi	Zeus	MX 165	3500	0.7x0.5/0.9x0.9	65	7	140	82600
HiSpeed ZX/i	Solarix 630	MX 200	6300	0.9x0.7, 1.2x1.2	200	7	140	88401
HiSpeed NX/i, NX/i Pro	Solarix 630	MX 200	6300	0.7x0.5/0.9x0.9	200	7	140	88401
HiSpeed CT/i	Performix ADVGemini	MX 200	6300	0.9x0.7, 1.2x1.2	200	7	140	87504
LightSpeed QX/i, HiSpeed QX/i	Performix ADV	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	87505
LightSpeed Plus, VFX Plus	Performix Plus	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	88704
LightSpeed 16, LightSpeed RT	Performix Plus	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	88704
LightSpeed Ultra, VFX Ultra	Performix Plus	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	88704
LightSpeed VCT, VCT Select, Xtra, Pro 16, TR 16	Performix Pro 100	MX 240	8000	0.7x0.6/0.9x0.9	200	7	140	96401
Discovery ST, LS	Performix Plus	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	88704
Discovery VCT	Performix Pro 100	MX 240	6300	0.7x0.6/0.9x0.9	200	7	140	96401
BrightSpeed Elite, Edge, Excel	Performix Plus	MX 200	6300	0.7x0.6/0.9x0.9	200	7	140	88704
HITACHI								
W450, W600, CarinO	B-180H, HE-550	GS 1580	1500	0.8x1.1, 1.5x2.4	133	10	150	82302, 88500
W1000, PraticO, Turbo	B-200H, HE-580	GS 2070	2000	0.7x0.8, 1.2x1.4	133	7	150	82402, 89500
W1000	B-200, HE-540	GS 2072	2000	0.7x1.3	133	7	150	
Turbo	B-240H, HE-545	GS 3070	3500	0.7x0.8, 1.2x1.4	140	7	150	
Varig	B-500H, HE-900	GS 4070	6500	0.7x0.8, 1.2x1.4	178	7	150	
PHILIPS(Picker/Marconi/Elscent)								
600/I200	CTR 1555 RC	DU 1605A	1500	0.4x1.0, 0.6x1.6	127	10	150	82800, 93301
600/I200	CTR 1562 RC	DU 2005	2000	0.4x1.0, 0.6x1.6	127	10	150	81600, 93901
IQ/IQ Premier (50 Hz)	CTR 1568 RC	DU 1605A	2000	0.7x1.4	127	10	150	94603, 82100
IQ/IQ Premier (60 Hz)	CTR 1559 RC	DU 1605A	2000	0.7x1.4	127	10	150	94602
PQ-S, PQ 2000	CTR 1563 RC	DU 2005	2000	0.4x0.9, 0.6x1.45	127	10	150	94701, 87900
PQ-S, PQ 2000	CTR 1590 RC	DU 2005	2000	0.4x0.9, 0.6x1.45	127	10	150	94702
PQ 2000, 5000	CTR 1762 RC	DU 3007	3400	0.4x0.7, 0.6x1.3	177	10	150	94803
PQ 2000, 5000, 6000, Ultra Z	CTR 1790 RC	DU 5006	5000	0.4x0.7, 0.6x1.3	165	7	150	94807
PQ 2000, 5000, 6000, Ultra Z	CTR 1791 RC	DU 5006	4000	0.4x0.7, 0.6x1.3	165	7	150	94809
PQ 5000, 6000, Ultra Z	CTR 1792 RC	DU 6507	6500	0.4x0.7, 0.6x1.3	175	7	150	94811

CT Scanner Type	OEM Housing	OEM Insert	KHU	Focal Spot (mm)	Dia. (mm)	T/A	max kV	Dunlee Order No. 9896055
PHILIPS (Picker/Marconi/Elsint) cont.								
Excel 1800, 2000 Sprint	B-160H, HE-601	GS 1089 *	1000	1.5 x 1.7	108	10	150	70610
Select CT	B-180H, HE-601	GS 1584 *	1500	0.8x0.9	133	10	150	70510
2000 Sprint	B-180H, HE-601	GS 1587	1500	1.3x1.6	133	10	150	70511
Select CT	B-245	GS 3074	3500	1.2x0.8	140	7	150	96603
Helicat II, Flash, CT Twin II	B-240H, HE-590	GS 3077	3500	0.8x1.5, 1.5x1.5	140	7	150	95300
Helicat II, Flash, CT Twin II	B-502H, HE-950	GS 5079 *	5000	0.8x1.5, 1.5x1.5	178	7	150	70110
Twin, Flash, RTS	B-502H, HE-964	GS 6079 *	7000	0.8x1.5, 1.5x1.5	178	7	150	70910
MX8000 Dual v. EXP	CTR 2112	DU 5008	5200	0.5x1.3, 1.0x1.3	190	7	140	
MX8000 Dual	Dura Akron-B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
MX8000 Quad	Dura Akron-B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
MX8000 IDT	Dura Akron-B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
MX8000 IDT 6	Dura Akron-B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
MX8000 IDT 10	Dura Akron-Q	Dura 532 *	5265	0.5x0.7, 0.8x1.2	200	7	145	959-02
MX8000 IDT 16	Dura Akron-Q	Dura 532 *	5265	0.5x0.7, 0.8x1.2	200	7	145	959-02
Tomoscan M/EG	BI30	GS298	600	1.3x0.55, 1.7x0.7	178	7	150	
Tomoscan CX/Q/S	ROT 7001	SRC 120 CTX	350	0.8x1.2, 0.9x1.9	120	9	125	
Tomoscan CX, TX	B-180H, HE-550	GS 1580	1500	0.8x1.1, 1.5x2.4	133	10	150	82302, 88500
Tomoscan SR4000	B-200H, HE-540	GS 2072	2000	0.7x1.3	133	7	150	72830
Tomoscan LX/LX-C, SR600	B-200H, HE-580	GS 2070	2000	0.7x0.8, 1.2x1.4	133	7	150	82402, 89500
Tomoscan AV-Pf	B-200H, HE-540	GS 2072	2000	0.7x1.3	133	7	150	72830
Tomoscan SR 6000	B-240H, HE-545	GS 3070	2000	0.7x0.7, 1.2x1.5	140	7	150	72850
Tomoscan AVP, PS	ROT 3001	MRC 160 CT	3500	0.5x0.7, 1.0x1.2	160	7	140	
CT Aura	B-200 H	GS 2083	2000	1.0x0.7	133	10	150	
CT Aura	MRC 162	MRC 162	3500	0.5x0.7	160	7	150	
SR 6000	B240H, HE-545	GS-3070	3500	0.7x0.7, 1.2x1.5	140	7	150	
Tomoscan AV PI, PS	ROT 3001	MRC-160 CT	3500	0.7x0.7, 1.2x1.2	160	7	150	
CT Aura	ROT 5001	MRC 162	3500	1.0x0.6	160	7	150	
SR 7000	ROT 5001	MRC 200CT	5000	0.7x0.7, 1.2x1.5	200	7	150	
Gemini (Dual Slice)	CTR 2112	DU 5008	5200	0.5x0.8, 1.0x1.3	190	7	140	
Brilliance 6	Dura Akron-Q	Dura 532*	5300	0.5x0.7, 0.8x1.2	200	7	145	959-02
Brilliance 10	Dura Akron-Q	Dura 532*	5300	0.5x0.7, 0.8x1.2	200	7	145	959-02
Brilliance 16	Dura Akron-Q	Dura 532*	5300	0.5x0.7, 0.8x1.2	200	7	145	959-02
AV EI	ROT 5002	MRC 201T	6200	0.5x0.7, 1.2x1.5	200	7	140	
AV E3	B-500H, HE900	GS4070	6500	0.7x0.8, 1.2x1.4	178	7	150	
CT Secura	ROT 5003	MRC 203 CT	7700	0.5x0.7, 1.0x1.2	200	7	140	
Brilliance 16 Power	ROT 5006	MRC 600	8000	0.5x1.0, 1.0x1.0	200	7	140	
Brilliance 40 Power	ROT 5006	MRC 800	8000	0.5x1.0, 1.0x1.0	200	7	140	
Brilliance 64 Power	ROT 5006	MRC 800	8000	0.5x1.0, 1.0x1.0	200	7	140	
Gemini 16 Power	ROT 5006	MRC 600	8000	0.5x1.0, 1.0x1.0	200	7	140	
SHIMADZU								
SCT 3000, 4500, 4800 TF	B-180H, HE-551	GS 1585	1500	0.8x1.1, 1.5x2.4	133	10	150	88600, 82303
SCT 5000T, 4800TH, 7000TC	B-220H, HE-581	GS 2075	2000	0.7x1.2, 1.2x1.5	133	7	150	89600, 82403
SCT-6800TH, 7000TH	B-220H, HE-581	GS 2075	2000	0.7x1.2, 1.2x1.5	133	7	150	89600, 82403
SCT 6800TX, 7000TX	B-240H, HE-547	GS 3075	3500	0.7x1.2, 1.2x1.5	140	7	150	86601

CT Scanner Type	OEM Housing	OEM Insert	KHU	Focal Spot (mm)	Dia. (mm)	T/A	max kV	Dunlee Order No. 9896055
SHIMADZU								
SCT-6800TXL	B-240H, HE-547	GS 3075	3500	0.7x1.2, 1.2x1.5	140	7	150	86601
SCT-7000TS	B-50IH, HE-962	GS 5075	6500	0.7x1.2, 1.2x1.5	178	7	150	
SCT-7800T	B-50IH, HE-962	GS 5075	6500	0.7x1.2, 1.2x1.5	178	7	150	
SIEMENS								
Somatom DR	I03MS	Opti 151	1350	1.6	100	0	140	
Somatom AR, C, T, HP, SP	ROTANX	M-CT 140/141	1750	0.9x1.1	110	10	130	
Somatom CR, DR, DRG, DRH	I03MS	Opti 155/156	1750	1.6	100	0	140	
Somatom Hi Q	I03MS	Opti 157	1750	1.6	100	0	140	
Somatom Esprit	Dura 181-MV	M-CT 142	1755	1.1x0.7			140	
Somatom Plus	DURA	S 432						
Somatom Plus 4 Expert	THA DURA	Dura 502	5300	0.6x0.5, 0.8x1.1	200	7	145	95001
Somatom Plus 4 Power	THA DURA	Dura 502	5300	0.6x0.5, 0.8x1.1	200	7	145	95001
Somatom Plus 4 Volume Zoom	Dura Akron-B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
Somatom Balance	THA DURA	Dura 202	2000	0.8x0.4, 0.8x0.7		7	145	
Emotion 6	THA DURA	Dura 422	4200	0.8x0.5, 0.8x0.7		7	145	
Somatom Emotion	THA DURA	Dura 302	3000	0.8x0.4, 0.8x0.7		7	145	
Somatom I0	Akron Q	Dura 532*	5265	0.5x0.7, 0.8x1.2	200	7	145	959-02
Somatom I6	Akron Q	Dura 532*	5265	0.5x0.7, 0.8x1.2	200	7	145	959-02
Somatom Volume Zome, Access	Akron B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
Sensation 4	Akron B	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	957-02
Sensation I0, I6, Cardiac	Akron Q	Dura 532	5265	0.5x0.7, 0.8x1.2	200	7	145	959-02
TOSHIBA								
TCT80A, 300, 400, 500	B-180H, HE-550	GS 1588	1500	1.0x1.0	133	10	150	82301, 88200
TCT 400S	B-180H, HE-550A	GS 1588B	1500	0.9x1.3	133	10	150	
TCT 600, S, HQ	B-180H, HE550A	GS 1588	1500	1.0x1.0	133	10	150	82301, 88200
XPEED, 600S, XT, HQ (CXB200B)	B-220H, HE580A	GS 2078	2000	1.1x1.3, 1.7x1.7	133	7	150	82401, 89200
XPEEDII, XPRESS, XVISION, 900S	B-220H, HE581A	GS 2081	2000	0.9x0.8, 1.6x1.2	133	10	150	
TCT 900 SX, XPRESS	B-240H, HE-581A	GS 3078	3500	1.1x1.1, 1.7x1.7	140	7	150	86602
Auklet, Auklet/FS	B-220H, HE-581A	GS 2081	2000	0.9x0.8, 1.6x1.2	133	7	150	
Asteion VF	B-220H, HE-581A	GS 2081	2000	0.9x0.8, 1.6x1.2	133	7	135	
Asteion Dual, VR, VI, Multi	HeliCool XH-168	E7281X	4000	0.9x0.9, 1.7x1.6		7	135	
Asteion VR, VI, Multi	B-50IH, HE-905	GS 6078	6500	1.1x1.3, 1.7x1.7	178	7	150	
Aquilion Multi, 8, I6, Super 4		GS 7078	7500	0.9x0.8, 1.6x1.4			135	

Dunlee Tube Return Policy

If a unit needs to be returned for warranty consideration or housing credit, please make sure you do the following:

- 1) Complete the Tube Return Form with all pertinent information. The Tube Return Form is included in each technical data packet and is also available online at www.dunlee.com.
- 2) Fax the completed form to our **Customer Support** group at **630.585.2125**.
- 3) Upon receipt of the fax, you will be issued a Return Authorization number. Please reference this number on your copy of the Tube Return Form.
 - Ship the product freight prepaid back to Dunlee.
 - Please send CT and CV tube returns to **Dunlee Aurora** at **555 North Commerce Street, Aurora, IL 60504**.
 - Please send **Radiographic tube returns** to **Dunlee Arlington** at **2312 Avenue J, Arlington, TX 76006**.

NOTE: For proper receipt of your returned goods, enclose a copy of the Tube Return Form (with Return Authorization number recorded on it) inside the carton with the product! Retain a copy of the Tube Return Form and shipping documentation for your records.

Tubes Returned for Warranty Evaluation or Repair
Ship only prepaid in proper container, insure for full value, and enclose completed Tube Return Form.

New Tubes Returned for Restocking

Ship only prepaid in original container, insure for full value. These new tubes are subject to a 10% of net restocking charge to cover necessary inspection and testing procedures. Complete applicable section(s) of the Tube Return Form and enclose with product.

Housing Credit Only

Ship only prepaid in proper container and enclose completed Tube Return Form.

ISO 13485 REGISTERED



Dunlee's Quality Management System is certified to comply with ISO 13485 for medical devices. Dunlee is approved under EC Directive 93/42/EEC Annex II, Article 3, "Full Quality Assurance System" to CE mark its products. Most of Dunlee's products are approved to carry the CE mark. All Dunlee manufactured and reloaded products are registered with the FDA (CDRH) via an initial report. Most Dunlee manufactured units are certified as recognized component per UL 60601-I Medical Electrical Equipment.

European Union Representative Philips Medical Systems

Dept.: Corporate Quality & Regulatory
Veenpluis 4
5684 PC Best
The Netherlands

DUNLEE

www.dunlee.com | 800.238.3780

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