

Ceramic X-Ray Tube



NEW!



Short Anode

Micro Focus
Thermal Focus 0.15 x 8, line focus:0.015 x 8,
point focus:0.15 x 0.8 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 800 W | SMF15801 |
| W | 800 W | SMF15802 |
| Mo | 800 W | SMF15803 |
| Mn | 300 W | SMF15804 |
| Cr | 800 W | SMF15805 |
| Co | 600 W | SMF15806 |
| Fe | 300 W | SMF15807 |
| Ag | 800 W | SMF15808 |

Fine Focus
Thermal Focus 0.4 x 8, line focus:0.04 x 8,
point focus:0.4 x 0.8 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 1500 W | SFF48C01 |
| W | 2000 W | SFF48C02 |
| Mo | 2000 W | SFF48C03 |
| Mn | 900 W | SFF48C04 |
| Cr | 1300 W | SFF48C05 |
| Co | 1200 W | SFF48C06 |
| Fe | 900 W | SFF48C07 |
| Ag | 1500 W | SFF48C08 |

Long Fine Focus
Thermal Focus 0.4 x 12, line focus: 0.04 x 12,
point focus: 0.4 x 1.2 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2200 W | SLFF41201 |
| W | 3000 W | SLFF41202 |
| Mo | 3000 W | SLFF41203 |
| Mn | 1000 W | SLFF41204 |
| Cr | 1900 W | SLFF41205 |
| Co | 1800 W | SLFF41206 |
| Fe | 1000 W | SLFF41207 |
| Ag | 2200 W | SLFF41208 |

Normal Focus
Thermal Focus 1.0 x 10, line focus: 0.1 x 10,
point focus: 1.0 x 1.0 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2000 W | SNF101001 |
| W | 2400 W | SNF101002 |
| Mo | 2400 W | SNF101003 |
| Mn | 1000 W | SNF101004 |
| Cr | 1800 W | SNF101005 |
| Co | 1800 W | SNF101006 |
| Fe | 1500 W | SNF101007 |
| Ag | 2000 W | SNF101008 |

Broad Focus
Thermal Focus 2.0 x 12, line focus: 0.2 x 12,
point focus: 2.0 x 1.2 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2700 W | SBF201201 |
| W | 3000 W | SBF201202 |
| Mo | 3000 W | SBF201203 |
| Mn | 1000 W | SBF201204 |
| Cr | 2700 W | SBF201205 |
| Co | 2700 W | SBF201206 |
| Fe | 2200 W | SBF201207 |
| Ag | 2700 W | SBF201208 |

The above configurations are also available with window orientations at 0° and 90°.

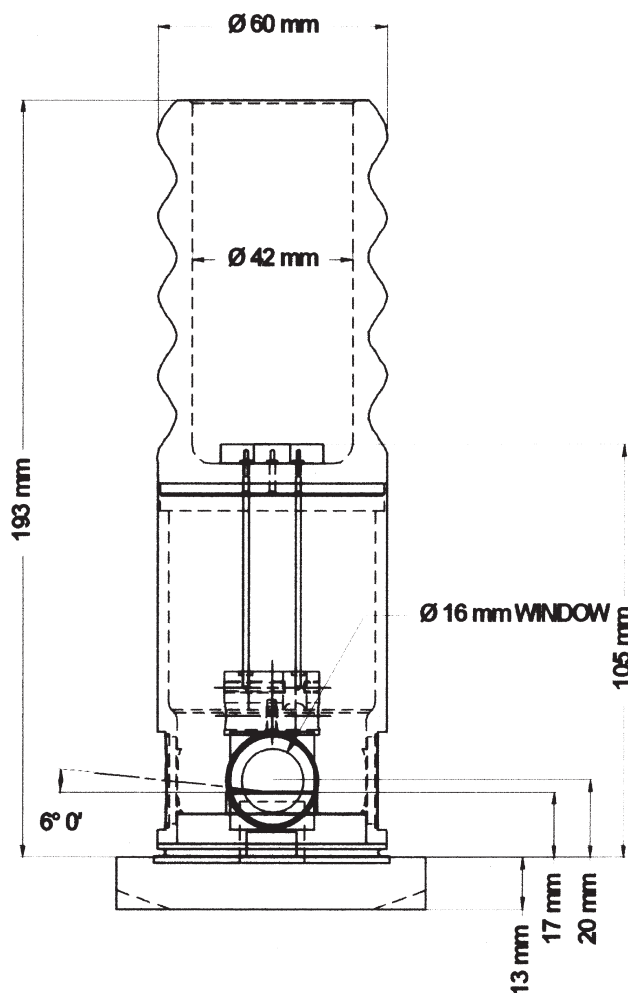
Product description

The **HX600** offers universally compatible high power X-ray diffraction tubes with a wide choice of focus size and targets. The **HX600** tubes are ideally suited for both powder diffraction and single crystal applications.

The **HX600** European Standard diffraction tube replaces and is interchangeable with those used by Amperex, Bruker, Enraf-Nonius, Philips, Seifert, Siemens, Sintag, Thermo ARL, and Thomson/AEG.

Featuring

An advanced ceramic body design, which improves focal spot reproducibility and provides superior reliability and performance.



The tube envelope consists of a metal body containing the anode, which is at ground potential, and up to four brazed Beryllium exit windows.

Long Anode

Micro Focus
Thermal Focus 0.15 x 8, line focus:0.015 x 8,
point focus:0.15 x 0.8 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 800 W | LMF15801 |
| W | 800 W | LMF15802 |
| Mo | 800 W | LMF15803 |
| Mn | 300 W | LMF15804 |
| Cr | 800 W | LMF15805 |
| Co | 600 W | LMF15806 |
| Fe | 300 W | LMF15807 |
| Ag | 800 W | LMF15808 |

Fine Focus
Thermal Focus 0.4 x 8, line focus:0.04 x 8,
point focus:0.4 x 0.8 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 1500 W | LFF48C01 |
| W | 2000 W | LFF48C02 |
| Mo | 2000 W | LFF48C03 |
| Mn | 900 W | LFF48C04 |
| Cr | 1300 W | LFF48C05 |
| Co | 1200 W | LFF48C06 |
| Fe | 900 W | LFF48C07 |
| Ag | 1500 W | LFF48C08 |

Long Fine Focus
Thermal Focus 0.4 x 12, line focus: 0.04 x 12,
point focus: 0.4 x 1.2 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2200 W | LLFF41201 |
| W | 3000 W | LLFF41202 |
| Mo | 3000 W | LLFF41203 |
| Mn | 1000 W | LLFF41204 |
| Cr | 1900 W | LLFF41205 |
| Co | 1800 W | LLFF41206 |
| Fe | 1000 W | LLFF41207 |
| Ag | 2200 W | LLFF41208 |

Normal Focus
Thermal Focus 1.0 x 10, line focus: 0.1 x 10,
point focus: 1.0 x 1.0 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2000 W | LNF101001 |
| W | 2400 W | LNF101002 |
| Mo | 2400 W | LNF101003 |
| Mn | 1000 W | LNF101004 |
| Cr | 1800 W | LNF101005 |
| Co | 1800 W | LNF101006 |
| Fe | 1500 W | LNF101007 |
| Ag | 2000 W | LNF101008 |

Broad Focus
Thermal Focus 2.0 x 12, line focus: 0.2 x 12,
point focus: 2.0 x 1.2 [mm²]

| Anode-Material | Tube output | P/N Short Anode |
|----------------|-------------|-----------------|
| Cu | 2700 W | LBF201201 |
| W | 3000 W | LBF201202 |
| Mo | 3000 W | LBF201203 |
| Mn | 1000 W | LBF201204 |
| Cr | 2700 W | LBF201205 |
| Co | 2700 W | LBF201206 |
| Fe | 2200 W | LBF201207 |
| Ag | 2700 W | LBF201208 |

The above configurations are also available with window orientations at 0° and 90°.