Options

Rod Anodes

Custom-made Rod Anodes

for panoramic x-ray applications.

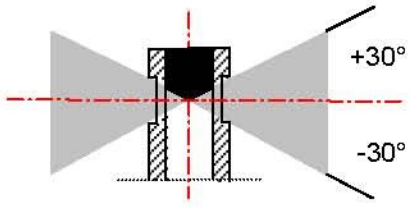
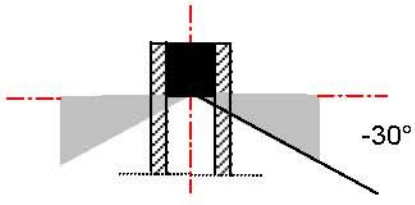
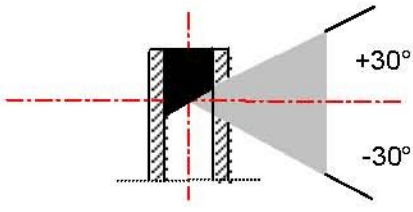
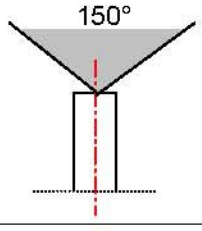
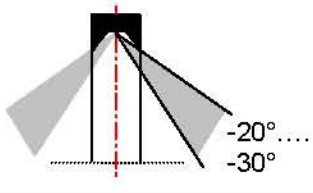
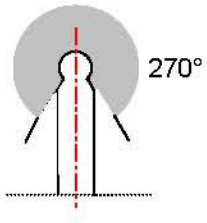
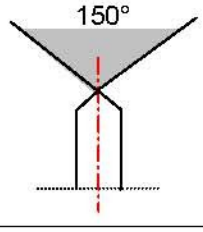
feinfocus custom-made rod anodes and standard tube heads are exchangeable. Effective focal spot size depends on length and on beam characteristics of the rod anode.

- **Rod anode types:**
  - True panoramic target head (see fig. P1)
  - Semi panoramic target head (see fig. P2)
  - Directional solid target head (see fig. P3
  - Forward beam transmission target head (see fig. P4)
  - Backward beam solid target head (see fig. P5)
  - Spherical beam transmission target head (see fig. P6)
  - Conical transmission target head (see fig. P7)

- **Rod diameters:** 2,5 mm ≤ D ≤ 50 mm
- **Rod lenghts:** 50 mm ≤ L ≤ 2.500 mm
- **Magnetic shielding:** For rod diameters ≥ 12 mm
- **Target cooling requirement:** For rod diameters ≥ 25 mm and target power loading ≥ 40 W
- **Max. target power:**

5	W	for rod diameter	2,5	mm	(max rod length = 60 mm)
6	W	for rod diameter	3	mm	(max rod length = 100 mm)
8	W	for rod diameter	5	mm	(max rod length = 200 mm)
12	W	for rod diameter	8	mm	(max rod length = 400 mm)
18	W	for rod diameter	10	mm	(max rod length = 700 mm)
25	W	for rod diameter	15	mm	(max rod length = 1.000 mm)
30	W	for rod diameter	20	mm	(max rod length = 1.400 mm)
40	W	for rod diameter	25	mm	(max rod length = 1.800 mm)
100	W	for rod diameter (Target cooling unit required)	>25	mm	(max rod length = 2.000 mm)
320	W	for rod diameter (Target cooling unit required)	>35	mm	(max rod length = 2.500 mm)

- **Standard target material:** Tungsten; optional materials: Mo, Cu, Al on request.
- **Inherent filtration:** filter thickness depends on application and on rod anode type.

	**Fig. P1** True panoramic rod anode
	**Fig. P2** Semi panoramic target head
	**Fig. P3** Directional solid target head
	**Fig. P4** Forward beam transmission target head
	**Fig. P5** Backward beam solid target head
	**Fig. P6** Spherical beam transmission target head
	**Fig. P7** Conical transmission target head