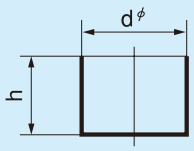
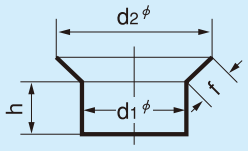
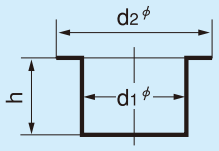
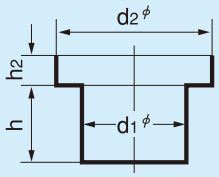
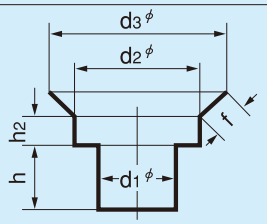
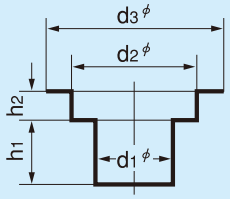
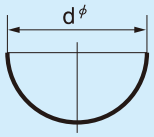
絞り製品のブランク寸法の求め方

絞り製品の形状	ブランク寸法の計算式　注（A：製品の表面積 D：ブランクの直径）
	$A=\frac{\pi d^2}{4}+\pi dh$
	$D=\sqrt{d^2+4dh}$
	$A=\frac{\pi d_1^2}{4}+\pi d_1h+\pi f\frac{d_1+d_2}{2}$
	$D=\sqrt{d_1^2+4d_1h+2f(d_1+d_2)}$
	$A=\frac{\pi d_1^2}{4}+\pi d_1h+\frac{\pi}{4}(d_2^2+d_1^2)$
	$D=\sqrt{d_2^2+4d_1h}$
	$A=\frac{\pi d_1^2}{4}+\pi d_1h_1+\frac{\pi}{4}(d_2^2-d_1^2)+\pi d_2h_2$
	$D=\sqrt{d_2^2+4(d_1h_1+d_2h_2)}$
	$A=\frac{\pi d_1^2}{4}+\pi d_1h_1+\frac{\pi}{4}(d_2^2-d_1^2)+\pi d_2h_2+\pi f\frac{d_2+d_3}{2}$
	$D=\sqrt{d_2^2+4(d_1h_1+d_2h_2)+2f(d_2+d_3)}$
	$A=\frac{\pi d_1^2}{4}+\pi d_1h_1+\frac{\pi}{4}(d_2^2-d_1^2)+\pi d_2h_2+\frac{\pi}{4}(d_3^2-d_2^2)$
	$D=\sqrt{d_3^2+4(d_1h_1+d_2h_2)}$
	$A=\frac{\pi d^2}{2}$
	$D=\sqrt{2d^2}=1.414d$

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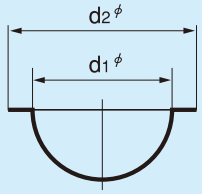
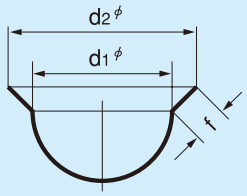
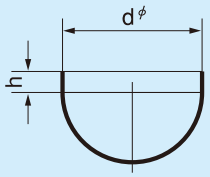
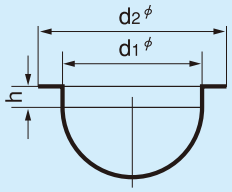
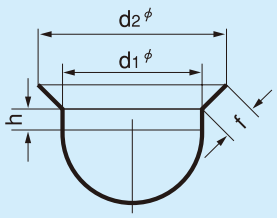
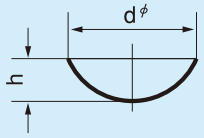
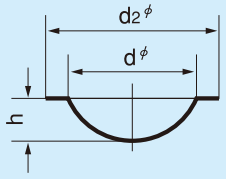
	$A=\frac{\pi d_1^2}{2}+\frac{\pi}{4}(d_2^2-d_1^2)$
	$D=\sqrt{d_1^2+d_2^2}$
	$A=\frac{\pi d_1^2}{4}+\pi f\frac{d_2+d_1}{2}$
	$D=1.414\sqrt{d_1^2+f(d_2+d_1)}$
	$A=\frac{\pi d^2}{2}+\pi dh$
	$D=1.414\sqrt{d^2+2dh}$
	$A=\frac{\pi d_1^2}{2}+\pi d_1h+\frac{\pi}{4}(d_2^2-d_1^2)$
	$D=\sqrt{d_1^2+d_2^2+4d_1h}$
	$A=\frac{\pi d_1^2}{2}+\pi d_1h+\pi f\frac{d_1+d_2}{2}$
	$D=1.414\sqrt{d_1^2+2d_1h+f(d_1+d_2)}$
	$A=\frac{\pi}{4}(d^2-4h^2)$
	$D=\sqrt{d^2+4h^2}$
	$A=\frac{\pi}{4}(d_1^2+4h^2)+\frac{\pi}{4}(d_2^2-d_1^2)$
	$D=\sqrt{d_2^2+4h^2}$

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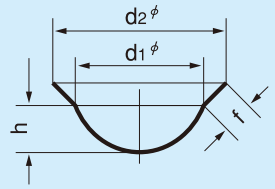
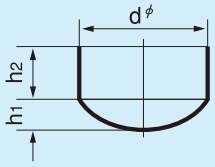
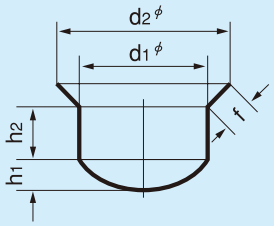
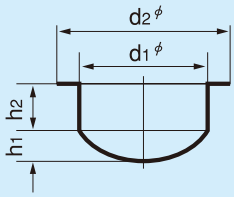
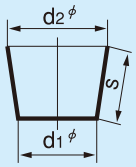
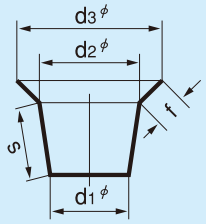
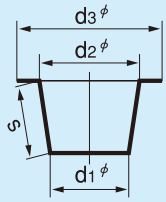
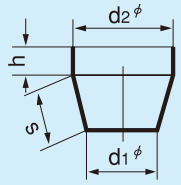
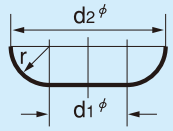
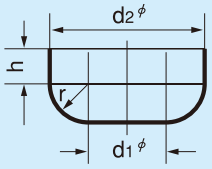
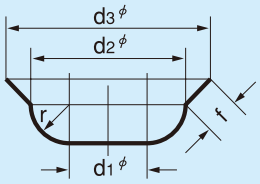
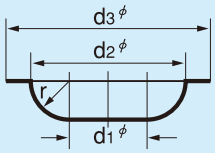
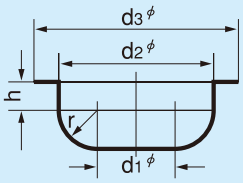
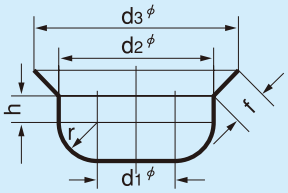
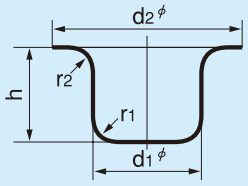
	$A=\frac{\pi}{4}(d_1^2+4h^2)+\pi f\frac{d_1+d_2}{2}$
	$D=\sqrt{d_1^2+4h^2+2f(d_1+d_2)}$
	$A=\frac{\pi}{4}(d^2+4h_1^2)+\pi dh_2$
	$D=\sqrt{d^2+4(h_1^2+dh_2)}$
	$A=\frac{\pi}{4}(d_1^2+4h_1^2)+\pi d_1h_2+\pi f\frac{d_1+d_2}{2}$
	$D=\sqrt{d_1^2+4\{h_1^2+d_1d_2+\frac{f}{2}(d_1+d_2)\}}$
	$A=\frac{\pi}{4}(d_1^2+4h_1^2)+\pi d_1h_2+\frac{\pi}{4}(d_2^2-d_1^2)$
	$D=\sqrt{d_2^2+4(h_1^2+d_1h_2)}$
	$A=\frac{\pi d_1^2}{4}+\pi s\frac{d_1+d_2}{2}$
	$D=\sqrt{d_1^2+2s(d_1+d_2)}$
	$A=\frac{\pi d_1^2}{4}+\pi s\frac{d_1+d_2}{2}+\pi f\frac{d_2+d_3}{2}$
	$D=\sqrt{d_1^2+2\{s(d_1+d_2)+f(d_2+d_3)\}}$
	$A=\frac{\pi d_1^2}{4}+\pi s+\frac{d_1+d_2}{2}+\frac{\pi}{4}(d_3^2-d_2^2)$
	$D=\sqrt{d_1^2+2s(d+d_2)+d_3^2-d_2^2)}$

絞り製品の形状	ブランク寸法の計算式
	$A=\frac{\pi d_1^2}{4}+\pi s\frac{d_1+d_2}{2}+\pi d_2 h$ $D=\sqrt{d_1^2+2\{s(d_1+d_2)+2d_2h\}}$
	$A=\frac{\pi d_1^2}{4}+\frac{\pi^2 h}{2}(d_1+1.274r)$ $=\frac{\pi}{4}(d_2-2h)^2+\frac{\pi^2 r}{2}(d_2-0.726r)$ $D=\sqrt{d_2^2+2.28rd_2-0.56r_2}$
	$A=\frac{\pi}{4}(d_2-2r)^2+\frac{\pi^2 r}{2}(d_2-0.726r)+\pi hd_2$ $D=\sqrt{d_2^2+4d_2(h+0.57r)-0.56r^2}$
	$A=\frac{\pi}{4}(d_2-2r)^2+\frac{\pi^2 r}{2}(d_2-0.726r)+\pi f\frac{d_2+d_3}{2}$ $D=\sqrt{d_2^2+2.28rd_2+2f(d_2+d_3)-0.56r^2}$
	$A=\frac{\pi}{4}(d_2-2r)^2+\frac{\pi^2 r}{2}(d_2-0.726r)+\frac{\pi}{4}(d_3^2-d_2^2)$ $D=\sqrt{d_3^2+2.28rd_2-0.56r^2}$
	$A=\frac{\pi}{4}(d_2-2r)^2+\frac{\pi^2 r}{2}(d_2-0.726r)+\pi d_2h$ $+\frac{\pi}{4}(d_3^2-d_2^2)$ $D=\sqrt{d_3^2+4d_2(0.57r+h)-0.56r^2}$
	$A=\frac{\pi}{4}(d_2-2r)^2+\frac{\pi^2 r}{2}(d_2-0.726r)+\pi d_2h+\pi f\frac{d_3+d_2}{2}$ $D=\sqrt{d_2^2+4d_2(0.57r+h+\frac{f}{2})+2d_3f-0.56r^2}$
	$A=\frac{\pi}{4}d_1^2+\pi d_1\{h-0.43(r_1+r_2)\}+0.44(r_2^2-r_1^2)$ $D=\sqrt{d_2^2+4d_1\{h-0.43(r_1+r_2)\}+0.57(r_2-r_2^2)}$