



**Alloy: DCF52 / DCF53**

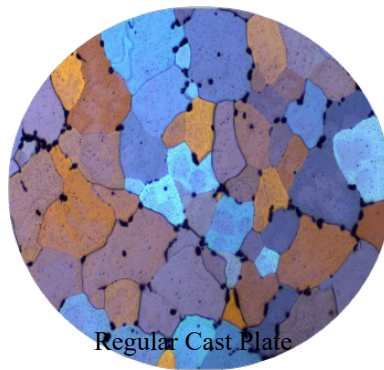
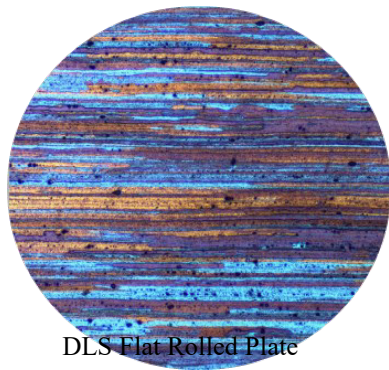
**Features:** Ultra Precision, Ultra Flatness, Improved Thickness Tolerance, Better Mechanical Performance, Low Internal Residual Stress.

**Applications:** Mold, Jig & Tools. Robots, Structural Materials, Medical Equipment, High-precision manufacturing equipment and etc.

**Mechanical Properties / Caracteristiques Mecaniques:**

Temper/Etat	Tensile Strength (Rm/Mpa)	Yield Strength (Rp0.2/Mpa)	Elongation %
DCF52-H112	365-389	215-285	15.2-18.3
DCF53-H112	369-436	171-305	18.1-26

**Metallographic organization comparison**



**Width / Largeur Disponible:**

- ◆ Thickness 5—30 mm
- ◆ Width < 1500mm



## ➤ DCF52 Thickness Tolerance

Thickness mm	5 ~ 6	6 ~ 8	8 ~ 10	10 ~ 15	15 ~ 20	20 ~ 30	30 ~ 40	40 ~ 50
EN	±0.32	±0.4	±0.5	±0.6	±0.7	±0.75	±0.85	±1
Ordinary plate	±0.2	±0.25	±0.35	±0.4	±0.45	±0.55	±0.65	±0.75
<b>High precision plate</b>	±0.04	±0.05	±0.08		±0.15		±0.20	

## ➤ DCF52 Flatness

	GB/T	ORDINARY	HIGH PRECISION PLATE	
THICKNESS			4-15	15-50
Horizontal/d/W	≤0.6%	≤0.4%	< 0.01%	< 0.02%
Vertical/d/L	≤0.8%	≤0.5%	< 0.01%	< 0.02%

※ d :wave height, W: height, L: length

## ➤ DCF53 Thickness Tolerance

Thickness mm	5 ~ 6	6 ~ 8	8 ~ 10	10 ~ 15	15 ~ 20	20 ~ 30
EN	±0.32	±0.4	±0.5	±0.6	±0.7	±0.75
Ordinary plate	±0.2	±0.25	±0.35	±0.4	±0.45	±0.55
<b>High precision plate</b>	±0.08	±0.1	±0.125		±0.18	

## ➤ DCF53 Flatness

	GB/T	ORDINARY	HIGH PRECISION PLATE	
THICKNESS			4-15	15-30
Horizontal/d/W	≤0.6%	≤0.4%	< 0.025%	< 0.04%
Vertical/d/L	≤0.8%	≤0.5%	< 0.025%	< 0.04%

※ d: wave height, W: height, L: length