

JAPANESE INDUSTRIAL STANDARD

JIS G 0555:2003

Microscopic testing method for the non-metallic inclusions in steel

April, 2012

ERRATA

(The next 15 pages containing chart diagrams are the contents of this errata.)

Position	Chart diagrams given in:	Error	Correct
Annex A	A (Sulfide type) (P11 to P15)	All the chart diagrams are 66 mm in length of a side.	Length of a side of chart diagrams is changed to 71 mm (correct charts are given in the following pages in this Errata).
	B (Aluminate type) (P14 to P16)		
	C (Silicate type) (P17 to P19)		
	D (Globular type oxides) (P20 to P22)		
	DS (Single globular inclusion) (P23 to P25)		

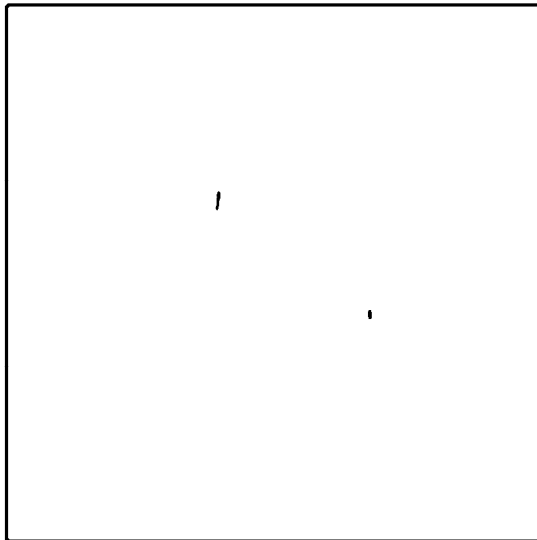
A
(Sulfide type)

Fine series
Thickness $\geq 2 \mu\text{m}$ to $4 \mu\text{m}$

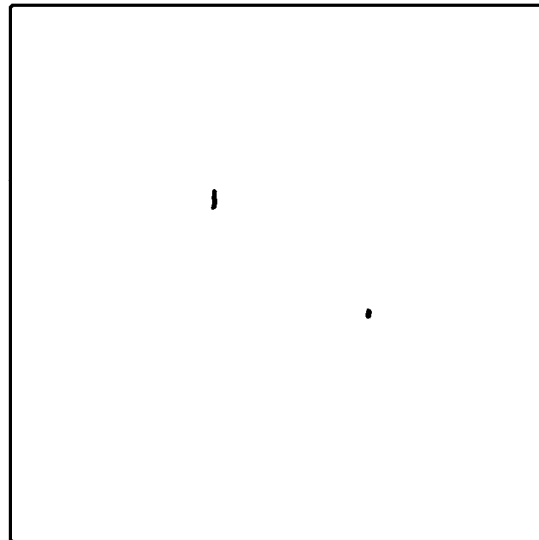
Minimum
total length

Thick series
Thickness $> 4 \mu\text{m}$ to $12 \mu\text{m}$

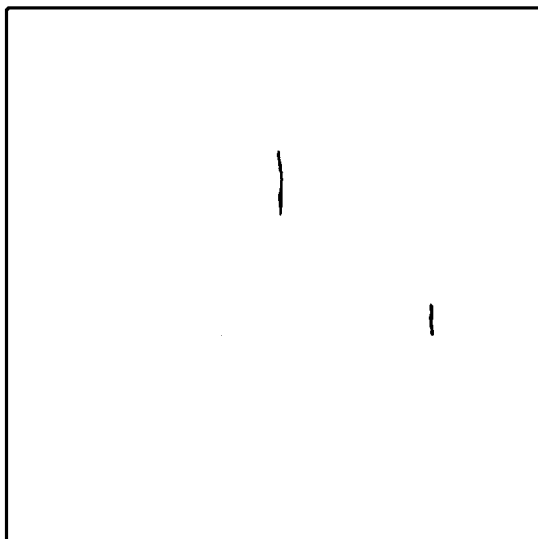
$i=0.5$



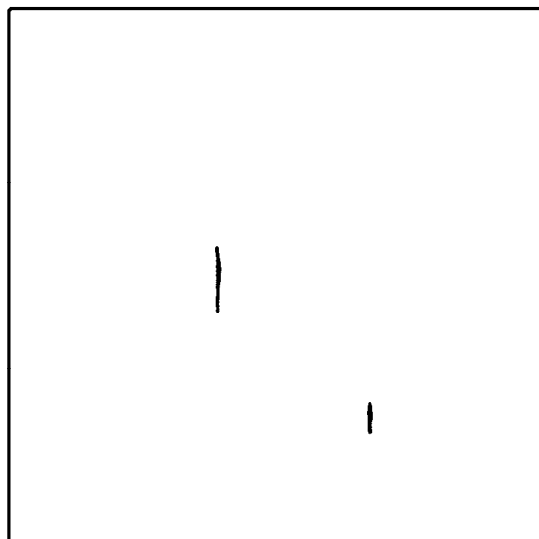
$37 \mu\text{m}$



$i=1$



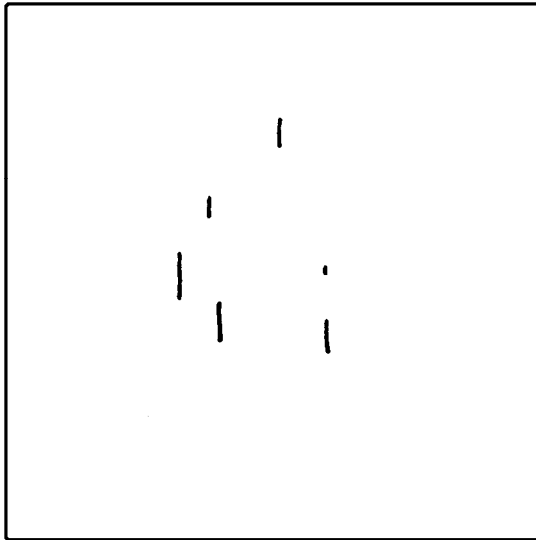
$127 \mu\text{m}$



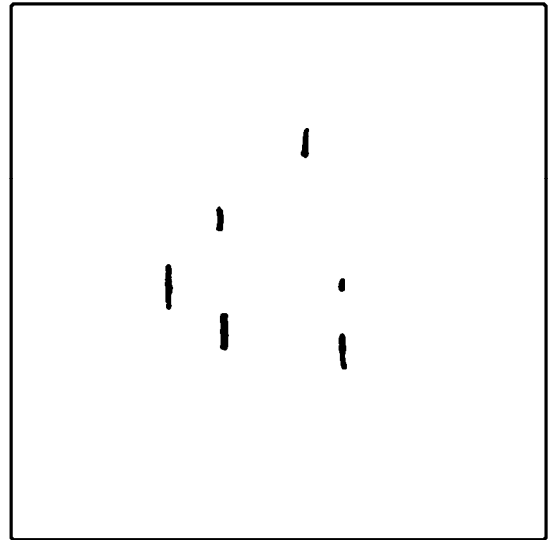
Magnification = $100\times$

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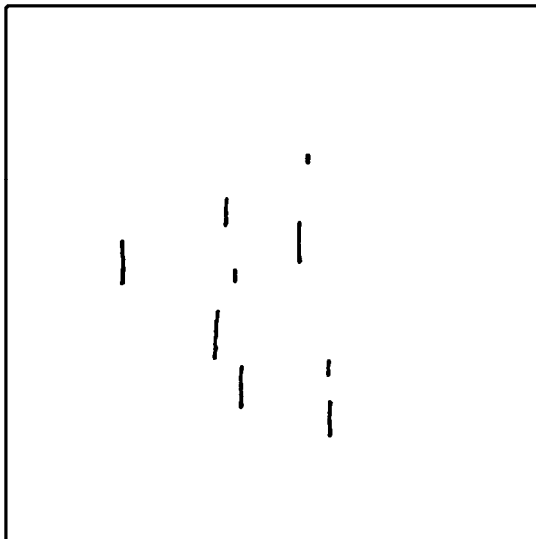
$i=1.5$



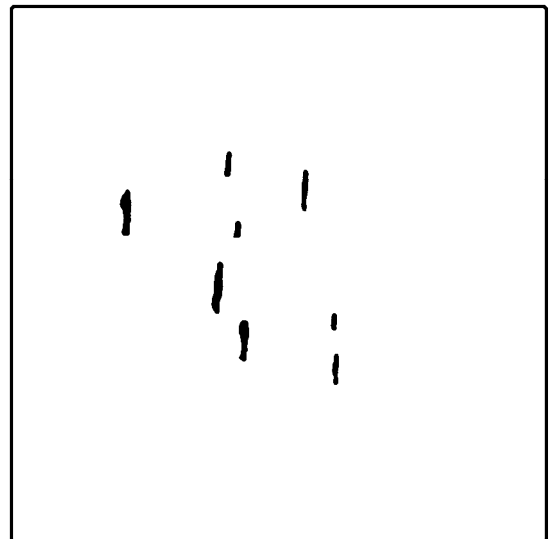
261 μm



$i=2$

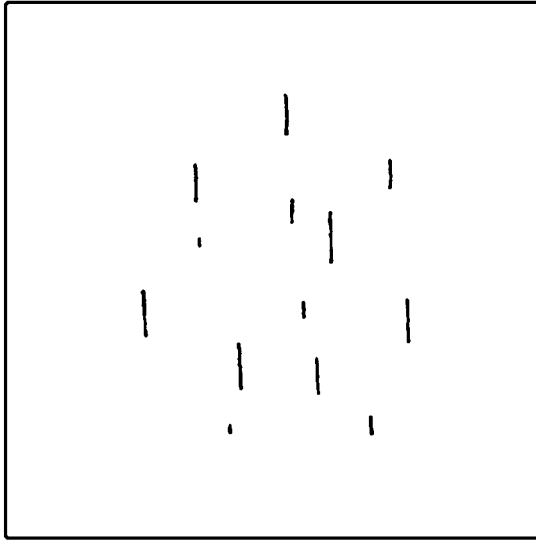


436 μm

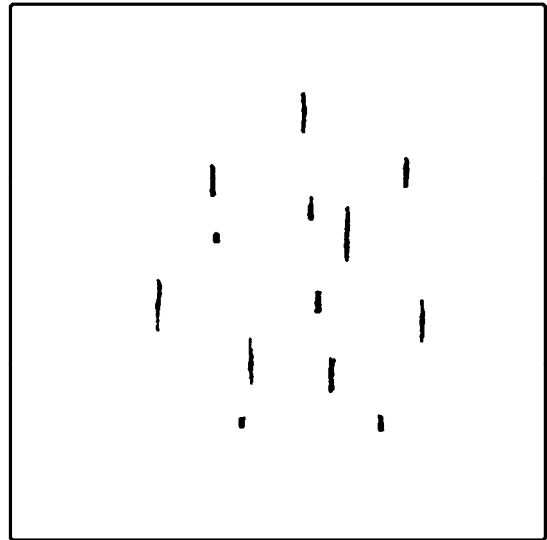


Magnification = $100\times$

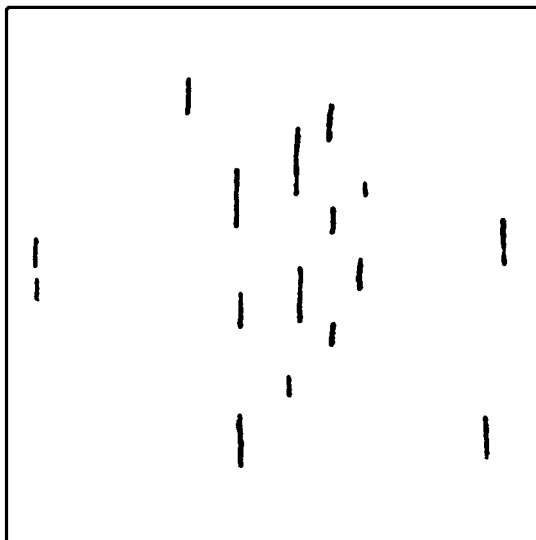
$i=2.5$



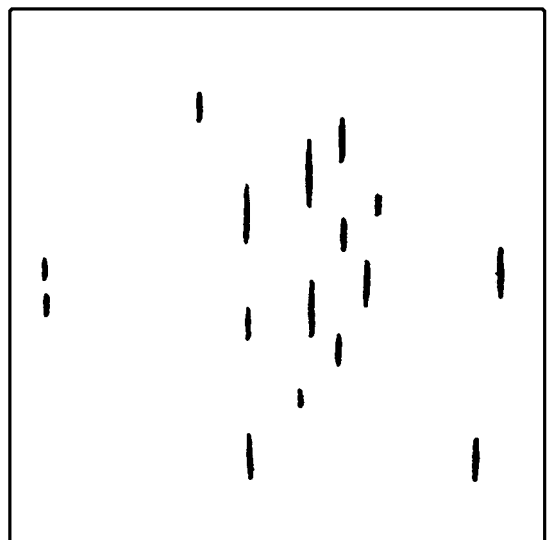
649 μm



$i=3$



898 μm



Micrograph showing a cluster of small, dark, vertical, needle-like cocrystals on a light background. The crystals are approximately 1-2 micrometers in length and are scattered within a square field of view.

Magnification = $100\times$

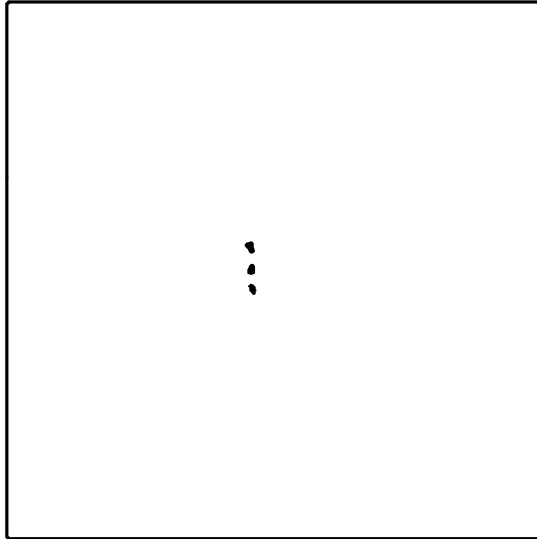
B
(Aluminate type)

Fine series
Thickness $\geq 2 \mu\text{m}$ to $9 \mu\text{m}$

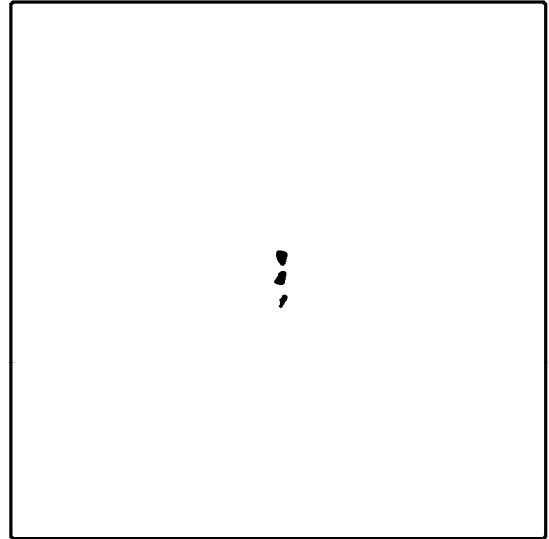
Minimum
total length

Thick series
Thickness $> 9 \mu\text{m}$ to $15 \mu\text{m}$

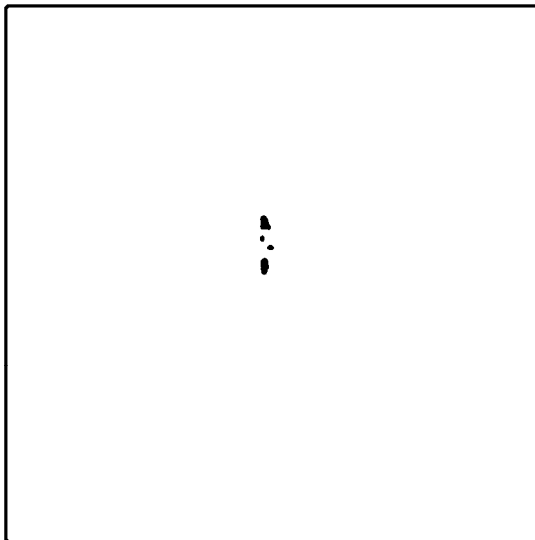
$i=0.5$



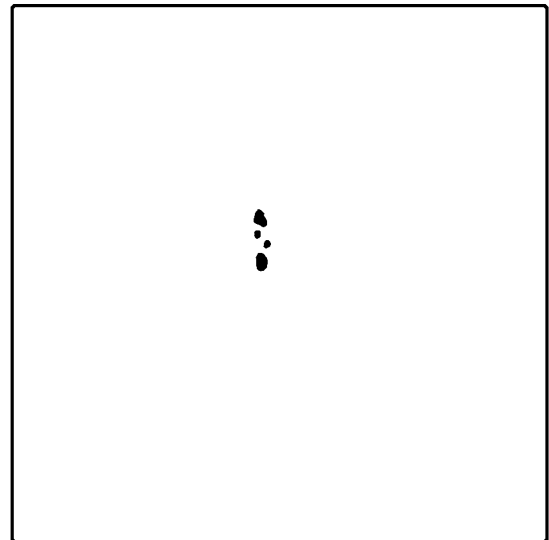
$17 \mu\text{m}$



$i=1$



$77 \mu\text{m}$



Magnification = $100\times$