上海集優機械股份有限公司

SHANGHAI PRIME MACHINERY CO., LTD.

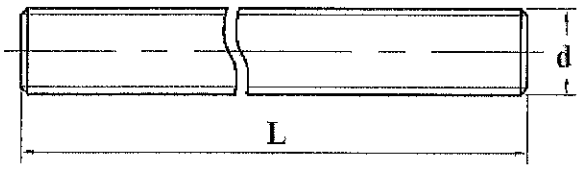
(FORMER:SHANGHAI FASTENERS IMPORT & EXPORT CO.,LTD)

TEST CERTIFICATE

Customer :	Hung Lee Metal Co., Ltd	Description :	Thread Rods
Invoice Number :	WCM31019790	Standard :	DIN 975
Shipment Date :	2013.02.25	Grade :	4.8
Issue Date :	2013.02.21	Size :	M8X3000
Certificate Number :	SFC-ZTR4800003911	Quantity :	3,000 PCS
Testing Quantity :	6 pcs	Finish :	ZINC PLATED to ISO 4042:1999
Testing Standard :	ISO 898-1:1999	Head Marking :	4.8

CHEMICAL COMPOSITION

	C%		P%	S%	B%					
	Min	Max	Max	Max	Max					
Standard	-	0.55	0.05	0.06	0.003					
Result	0.15		0.015	0.018						



MECHANICAL PROPERTIES

		Standard	Result
Tensile Strength (N/mm²)	Min	420	425
Yield Strength (N/mm²)	Min	340	349
Elongation (%)	Min	/	/
Hardness (HRB)	Min	71	75
	Max	95	92
Coating Thickness	Min	/	/

DIMENSIONS (mm)

		Standard	Result
(s) Width across flats	Min	/	/
	Max	/	/
(e) Width across corners	Min	/	/
	Max	/	/
(k) Head height	Min	/	/
	Max	/	/
(dk) Outer head width	Min	/	/
	Max	/	/
(b) Thread Length	Min	/	/
	Max	/	/
(L) Length	Min	2989.5	3000.1
	Max	3010.5	3002.0
Thread (Before H.D.G)	GO	/	PASS
	No Go		
Judgement :		**OK**	

SAMPLES DRAWN FROM EACH SPECIFICATION OF THE ABOVE MENTIONED GOODS AT RANDOM WERE TESTED AND IT WAS FOUND THE MATERIAL AND DIMENSION WERE UP TO THE REQUIREMENT OF DIN STANDARD.

上海集優机械股份有限公司 商检专用章

上海集優機械股份有限公司

SHANGHAI PRIME MACHINERY CO., LTD.

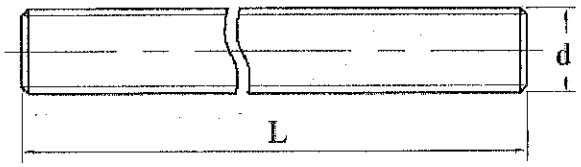
(FORMER:SHANGHAI FASTENERS IMPORT & EXPORT CO.,LTD)

TEST CERTIFICATE

Customer :	Hung Lee Metal Co., Ltd	Description :	Thread Rods
Invoice Number :	WCM10000518	Standard :	DIN 975
Shipment Date :	2013.05.22	Grade :	4.8
Issue Date :	2013.05.18	Size :	M10X3000
Certificate Number :	SFC-ZTR4800004214	Quantity :	5,600 PCS
Testing Quantity :	6 pcs	Finish :	ZINC PLATED to ISO 4042:1999
Testing Standard :	ISO 898-1:1999	Head Marking :	4.8

CHEMICAL COMPOSITION

	C%		P%	S%	B%
	Min	Max	Max	Max	Max
Standard	-	0.55	0.05	0.06	0.003
Result	0.15		0.013	0.018	



MECHANICAL PROPERTIES

		Standard	Result
Tensile Strength (N/mm²)	Min	420	427
Yield Strength (N/mm²)	Min	340	346
Elongation (%)	Min	/	/
Hardness (HRB)	Min	71	74
	Max	95	92
Coating Thickness	Min	/	/

DIMENSIONS (mm)

		Standard	Result
(s) Width across flats	Min	/	/
	Max	/	/
(e) Width across corners	Min	/	/
	Max	/	/
(k) Head height	Min	/	/
	Max	/	/
(dk) Outer head width	Min	/	/
	Max	/	/
(b) Thread Length	Min	/	/
	Max	/	/
(L) Length	Min	2989.5	3000.5
	Max	3010.5	3002.3
Thread (Before H.D.G)	GO	/	PASS
	No Go		
Judgement :		**OK**	

SAMPLES DRAWN FROM EACH SPECIFICATION OF THE ABOVE MENTIONED GOODS AT RANDOM WERE TESTED AND IT WAS FOUND THE MATERIAL AND DIMENSION WERE UP TO THE REQUIREMENT OF DIN STANDARD.

上海集優机械股份有限公司 商检专用章

上海集優機械股份有限公司

SHANGHAI PRIME MACHINERY CO., LTD.

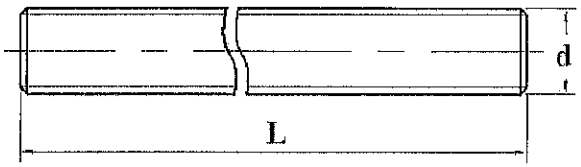
(FORMER:SHANGHAI FASTENERS IMPORT & EXPORT CO.,LTD)

TEST CERTIFICATE

Customer :	Hung Lee Metal Co., Ltd	Description :	Thread Rods
Invoice Number :	WCM10000518	Standard :	DIN 975
Shipment Date :	2013.05.22	Grade :	4.8
Issue Date :	2013.05.18	Size :	M12X3000
Certificate Number :	SFC-ZTR4800004315	Quantity :	3,500 PCS
Testing Quantity :	6 pcs	Finish :	ZINC PLATED to ISO 4042:1999
Testing Standard :	ISO 898-1:1999	Head Marking :	4.8

CHEMICAL COMPOSITION

	C%		P%	S%	B%
	Min	Max	Max	Max	Max
Standard	-	0.55	0.05	0.06	0.003
Result	0.15		0.015	0.018	



MECHANICAL PROPERTIES

		Standard	Result
Tensile Strength (N/mm²)	Min	420	429
Yield Strength (N/mm²)	Min	340	349
Elongation (%)	Min	/	/
Hardness (HRB)	Min	71	74
	Max	95	91
Coating Thickness	Min	/	/

DIMENSIONS (mm)

		Standard	Result
(s) Width across flats	Min	/	/
	Max	/	/
(e) Width across corners	Min	/	/
	Max	/	/
(k) Head height	Min	/	/
	Max	/	/
(dk) Outer head width	Min	/	/
	Max	/	/
(b) Thread Length	Min	/	/
	Max	/	/
(L) Length	Min	2989.5	3001.8
	Max	3010.5	3003.5
Thread (Before H.D.G)	GO	/	PASS
	No Go		
Judgement :		**OK**	

SAMPLES DRAWN FROM EACH SPECIFICATION OF THE ABOVE MENTIONED GOODS AT RANDOM WERE TESTED AND IT WAS FOUND THE MATERIAL AND DIMENSION WERE UP TO THE REQUIREMENT OF DIN STANDARD.

上海集優機械股份有限公司 商检专用章