

INSPECTION CERTIFICATE

In accordance with EN 10204: 3.1



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Customer: **PRETEC AS**

Purchasing order No: **EX2019275/204757**

Order Quantity: **440pcs**

Part Name: **Tie threaded rod system BB M20 L=90**

Material: **S355/Q345D**

Finishing: **HDG**

Article No: **1440089**

Drawing No: **PTC-030-1 of Feb.04.2017**

Marking: **"CE"**

No. 9, Jinchang Rd, Haining

Zhejiang Pro. - China

www.chinapretec.com

Certificate No: **23804**

Date: **2020-01-09**

Chemical composition analysis for material, ref certificate from mill :190922040

Batch No.	T219-07185	C	Si	Mn	P	S
Requirements	Max	0.20	0.50	1.70	0.035	0.035
	Min					
Test Report		0.13	0.39	1.45	0.022	0.005

Mechanical tests for material, ref certificate from mill:190922040

Batch No.	T219-07185	Yield	Tensile	Elongation
		Rp0.2(MPa)	Rm(MPa)	(EL)%
Requirements	Min	345	470	22
	Max		630	
Test Report		382	574	23

Inspection of execution:

DIM.	L2	L3	t	Φd	HDG
					Thickness
Spec/mm	400±3	90±3	20±1	M20	≥55um
1	401	92	19.3	20.26	88
2	400	92	19.4	19.96	91
3	401	93	19.3	19.95	76
4	401	92	19.4	20.06	93
5	401	91	19.3	19.90	94

General appearance:

HDG acc.to ISO 1461:

Welding acc.to ISO 5817-C:

Threaded: acc.to DIN 13-20 after HDG, left hand threaded

☒ approved

☒ approved

☒ approved

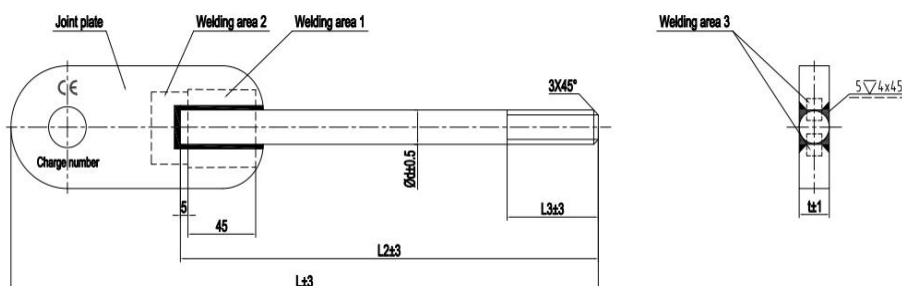
☒ approved

☐ not approved

☐ not approved

☐ not approved

☐ not approved



Type	L	L2	L3	t	Ød
M20	512.5	400	90	20	20
M24	525	400	100	20	25
M30	530	400	110	25	30

All the data on the above form is real and valid.

Conclusion : ☒ Yes ☐ No

3.1 Inspection certificate are subject to change without notice.

Works inspector: **Echo Xiang**

Checked by: **Jianbo Gu**

Date: **2020-01-09**

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