

INSPECTION CERTIFICATE

In accordance with EN 10204: 3.1



Customer: **PRETEC AS**

Purchasing order No: **EX2019275/204757**

Order Quantity: **440pcs**

Part Name: **Tie rod system BB M20**

Material: **S355/Q345D**

Finishing: **HDG**

Article No: **1440090**

Drawing No: **PTC-030-2 of Feb.04.2017**

Marking: **"CE"**

No. 9, Jinchang Rd, Haining
Zhejiang Pro. - China
www.chinapretec.com

Certificate No: **23974**

Date: **2020-01-08**

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

Batch No.	T219-07185	C	0.20	Si	0.50	Mn	1.70	P	0.035	S	0.035
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.	L1	d	e	f	t	H	L2	Φd	HDG Thickness
Spec/mm	167.5±1	55±1	75±1	21+1/-0.5	20±1	26±0.5	3425±3	M20	≥55um
1	166.5	55.3	74.3	22.0	19.8	26.2	3425	20.01	117
2	166.8	55.2	75.1	21.9	19.8	26.2	3426	19.98	101
3	166.7	55.4	74.7	22.0	19.6	26.1	3425	19.99	121
4	166.8	55.8	74.4	21.8	19.7	26.1	3426	20.06	83
5	167.1	55.3	74.6	21.7	19.8	26.2	3426	19.97	106

General appearance:

☒ approved

☐ not approved

HDG acc.to ISO 1461:

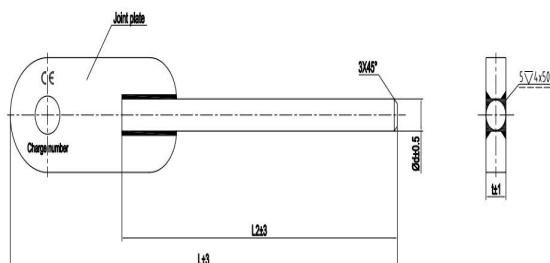
☒ approved

☐ not approved

Welding acc.to ISO 5817-C:

☒ approved

☐ not approved



Type	L	L2	t	Ød
M20	3537.5	3425	20	20
M24	3550	3425	20	25
M30	3555	3425	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: **2020-01-08**

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