

MILL TEST CERTIFICATE

Seller: HEBEI HAIYUAN PIPE FITTINGS CO., LTD YINZHUANG INDUSTRIAL ZONE, MENGUN COUNTY, CANGZHOU, HEBEI, CHINA				ACC. TO EN 10204/3.1												Buyer: EZERKER KFT KADA.149, 1106 BUDAPEST TEL: 06-1-261-4012, FAX: 1-262-9113			
Certificate No.: HY-EZ-47				Product Standard: DIN2605/2615/2616/2617												Date: October 30, 2024			
Description of Goods: STEEL PIPE FITTINGS				Total Pieces: 12915Pcs															
Item	Description of Goods	Qty	Material	Heat No.	Result	Chemical Composition										Mechanical Properties			
						C %	Si %	Mn %	S %	P %	Cr %	Ni %	Cu %	Mo %	V %	Mpa T.S.	Mpa Y.S.	% Elongation	HB Hardness
1	Concentric reducer • 26.9 - 21.3 • (2.3-2.0)	100	P235GH		Confirmed	0.14	0.21	0.41	0.009	0.017	0.014	0.010	0.015	0.006	0.001	435	249	28	124
2	Equal Tee • 21.3 x 2.0 mm	100	P235GH		Confirmed	0.12	0.23	0.46	0.011	0.019	0.015	0.013	0.016	0.005	0.004	438	252	29	125
3	Tank bottom • 33.7 x 2.3 mm	200	P235GH		Confirmed	0.15	0.25	0.41	0.008	0.018	0.014	0.010	0.015	0.007	0.002	435	251	26	123
4	Concentric reducer • 33.7 - 21.3 • (2.6-2.0)	100	P235GH		Confirmed	0.13	0.23	0.45	0.013	0.016	0.016	0.011	0.012	0.005	0.001	436	249	29	128
5	Equal Tee • 26.9 x 2.3 mm	100	P235GH		Confirmed	0.16	0.21	0.46	0.011	0.019	0.014	0.012	0.017	0.004	0.003	434	254	27	127
6	Tank bottom • 42.4 x 2.6 mm	100	P235GH		Confirmed	0.12	0.24	0.44	0.010	0.017	0.015	0.010	0.016	0.006	0.004	437	253	28	128
7	Concentric reducer • 33.7 - 26.9 • (2.6-2.3)	200	P235GH		Confirmed	0.15	0.25	0.45	0.008	0.018	0.012	0.013	0.014	0.008	0.001	434	249	27	125
8	Concentric reducer • 42.4 - 21.3 • (2.6-2.0)	100	P235GH		Confirmed	0.14	0.23	0.43	0.013	0.017	0.013	0.011	0.012	0.004	0.003	436	251	26	124
9	Elbow 90° L/R R=1.5D • 76.1 x 2.9 mm	2000	P235GH		Confirmed	0.11	0.22	0.41	0.010	0.019	0.016	0.012	0.015	0.006	0.002	438	252	29	127
10	Equal Tee • 48.3 x 2.6 mm	100	P235GH		Confirmed	0.10	0.25	0.44	0.008	0.016	0.014	0.010	0.016	0.005	0.001	434	248	28	125
11	Concentric reducer • 42.4 - 33.7 • (2.6-2.6)	200	P235GH		Confirmed	0.13	0.20	0.46	0.013	0.018	0.015	0.012	0.017	0.008	0.003	435	251	26	126
12	Elbow 90° L/R R=1.5D • 88.9 x 3.2 mm	1000	P235GH		Confirmed	0.15	0.24	0.43	0.011	0.017	0.012	0.011	0.016	0.004	0.002	437	253	29	127
13	Tank bottom • 108 x 3.6 mm	100	P235GH		Confirmed	0.10	0.25	0.44	0.012	0.019	0.015	0.010	0.012	0.003	0.001	435	249	27	125
14	Elbow 90° L/R R=1.5D • 108.0 x 3.6 mm	500	P235GH		Confirmed	0.13	0.22	0.41	0.014	0.017	0.013	0.014	0.015	0.008	0.005	437	250	29	127
15	Elbow 90° L/R R=1.5D • 114.3 x 3.6 mm	300	P235GH		Confirmed	0.14	0.23	0.45	0.009	0.018	0.015	0.012	0.016	0.005	0.003	434	248	26	128
16	Concentric reducer • 48.3 - 33.7 • (2.6-2.6)	200	P235GH		Confirmed	0.12	0.21	0.43	0.013	0.016	0.014	0.011	0.012	0.006	0.001	435	252	28	125
17	Tank bottom • 133 x 4 mm	100	P235GH		Confirmed	0.11	0.26	0.40	0.010	0.018	0.016	0.013	0.017	0.005	0.004	434	250	27	124
18	Elbow 90° L/R R=1.5D • 133.0 x 4 mm	600	P235GH		Confirmed	0.10	0.21	0.44	0.009	0.017	0.012	0.011	0.015	0.008	0.002	437	253	28	126
19	Concentric reducer • 48.3 - 42.4 • (2.6-2.6)	300	P235GH		Confirmed	0.15	0.25	0.42	0.011	0.019	0.014	0.012	0.017	0.003	0.001	436	248	26	128
20	Equal Tee • 108 x 3.6 mm	200	P235GH		Confirmed	0.14	0.23	0.44	0.013	0.017	0.015	0.010	0.014	0.006	0.003	433	251	29	124
21	Elbow 90° L/R R=1.5D • 139.7 x 4 mm	400	P235GH		Confirmed	0.12	0.22	0.43	0.011	0.019	0.016	0.013	0.016	0.003	0.001	435	252	27	127
22	Concentric reducer • 60.3 - 26.9 • (2.9-2.3)	50	P235GH		Confirmed	0.14	0.26	0.45	0.014	0.016	0.012	0.010	0.014	0.004	0.002	437	248	28	124
23	Equal Tee • 114.3 x 3.6 mm	150	P235GH		Confirmed	0.13	0.24	0.40	0.011	0.019	0.015	0.011	0.017	0.006	0.001	433	253	29	126
24	Tank bottom • 159 x 4.5 mm	50	P235GH		Confirmed	0.15	0.21	0.41	0.013	0.018	0.014	0.013	0.016	0.007	0.003	438	249	27	123
25	Elbow 90° L/R R=1.5D • 159.0 x 4.5 mm	400	P235GH		Confirmed	0.14	0.25	0.45	0.014	0.019	0.015	0.011	0.014	0.006	0.001	435	251	28	127
26	Concentric reducer • 60.3 - 33.7 • (2.9-2.6)	150	P235GH		Confirmed	0.15	0.22	0.42	0.010	0.016	0.013	0.010	0.012	0.008	0.003	436	254	29	124
27	Equal Tee • 133 x 4.0 mm	100	P235GH		Confirmed	0.11	0.23	0.42	0.012	0.018	0.012	0.011	0.014	0.004	0.002	433	253	26	128
28	Tank bottom • 168.3 x 4.5 mm	50	P235GH		Confirmed	0.16	0.25	0.44	0.015	0.017	0.016	0.010	0.013	0.005	0.003	437	249	28	126
29	Elbow 90° L/R R=1.5D • 168.3 x 4.5 mm	400	P235GH		Confirmed	0.13	0.24	0.43	0.010	0.019	0.012	0.013	0.015	0.007	0.001	438	251	29	125
30	Concentric reducer • 60.3 - 42.4 • (2.9-2.6)	200	P235GH		Confirmed	0.12	0.21	0.46	0.011	0.016	0.014	0.011	0.015	0.006	0.002	434	252	27	127
31	Equal Tee • 139.7 x 4.0 mm	100	P235GH		Confirmed	0.15	0.22	0.41	0.013	0.018	0.016	0.010	0.013	0.004	0.001	433	248	26	123
32	Tank bottom • 219.1 x 6.3 mm	50	P235GH		Confirmed	0.11	0.24	0.44	0.014	0.016	0.012	0.011	0.016	0.005	0.004	435	251	29	128
33	Elbow 90° L/R R=1.5D • 219.1 x 6.3 mm	600	P235GH		Confirmed	0.10	0.21	0.45	0.010	0.017	0.015	0.014	0.017	0.007	0.001	437	253	28	123
34	Concentric reducer • 60.3 - 48.3 • (2.9-2.6)	400	P235GH		Confirmed	0.13	0.25	0.43	0.013	0.019	0.016	0.010	0.013	0.005	0.003	438	248	26	124
35	Equal Tee • 159 x 4.5 mm	50	P235GH		Confirmed	0.12	0.23	0.41	0.008	0.017	0.013	0.012	0.014	0.004	0.002	433	250	28	127
36	Elbow 90° L/R R=1.5D • 273.0 x 6.3 mm	100	P235GH		Confirmed	0.15	0.22	0.44	0.009	0.016	0.014	0.013	0.016	0.006	0.003	436	251	29	128
37	Equal Tee • 168.3 x 4.5 mm	50	P235GH		Confirmed	0.14	0.24	0.43	0.011	0.018	0.015	0.011	0.014	0.008	0.001	435	249	27	124
38	Tank bottom • 323.9 x 7.1 mm	20	P235GH		Confirmed	0.11	0.23	0.45	0.010	0.016	0.012	0.013	0.015	0.005	0.003	437	254	28	127
39	Elbow 90° L/R R=1.5D • 323.9 x 7.1 mm	50	P235GH		Confirmed	0.10	0.20	0.44	0.013	0.018	0.016	0.010	0.014	0.004	0.002	434	253	26	125
40	Equal Tee • 219.1 x 6.3 mm	100	P235GH		Confirmed	0.13	0.21	0.42	0.012	0.017	0.015	0.013	0.017	0.006	0.004	437	249	29	126



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41	Concentric reducer • 76.1 - 48.3 • (2.9-2.6)	200	P235GH	Confirmed	0.15	0.24	0.46	0.009	0.019	0.012	0.011	0.016	0.008	0.003	435	251	27	128
42	Equal Tee • 273 x 6.3 mm	20	P235GH	Confirmed	0.10	0.25	0.41	0.011	0.018	0.014	0.013	0.015	0.004	0.002	438	252	28	124
43	Concentric reducer • 76.1 - 60.3 • (2.9-2.9)	600	P235GH	Confirmed	0.12	0.20	0.42	0.009	0.016	0.015	0.010	0.016	0.005	0.001	434	248	26	127
44	Concentric reducer • 88.9 - 42.4 • (3.2-2.6)	100	P235GH	Confirmed	0.14	0.22	0.41	0.012	0.017	0.014	0.011	0.012	0.007	0.003	436	248	28	124
45	Concentric reducer • 88.9 - 60.3 • (3.2-2.9)	200	P235GH	Confirmed	0.11	0.23	0.45	0.010	0.016	0.012	0.013	0.016	0.006	0.004	435	252	27	128
46	Concentric reducer • 88.9 - 76.1 • (3.2-2.9)	400	P235GH	Confirmed	0.10	0.26	0.43	0.012	0.018	0.015	0.012	0.014	0.008	0.002	434	249	29	126
47	Concentric reducer • 108 - 60.3 • (3.6-2.9)	200	P235GH	Confirmed	0.13	0.24	0.44	0.015	0.017	0.013	0.014	0.015	0.005	0.001	437	248	27	123
48	Concentric reducer • 108 - 76.1 • (3.6-2.9)	100	P235GH	Confirmed	0.12	0.25	0.43	0.010	0.016	0.015	0.011	0.013	0.007	0.003	435	250	29	124
49	Concentric reducer • 108 - 88.9 • (3.6-3.2)	200	P235GH	Confirmed	0.13	0.22	0.46	0.011	0.019	0.014	0.010	0.016	0.004	0.001	438	253	26	127
50	Concentric reducer • 133 - 60.3 (4-2.9)	20	P235GH	Confirmed	0.16	0.23	0.42	0.013	0.016	0.015	0.011	0.012	0.005	0.002	436	252	28	128
51	Concentric reducer • 133 - 76.1 • (4-2.9)	50	P235GH	Confirmed	0.15	0.21	0.45	0.010	0.019	0.013	0.012	0.015	0.003	0.001	435	248	26	123
52	Concentric reducer • 133 - 88.9 • (4-3.2)	50	P235GH	Confirmed	0.12	0.26	0.42	0.013	0.018	0.015	0.010	0.014	0.005	0.004	438	253	28	126
53	Concentric reducer • 133 - 108 • (4-3.6)	150	P235GH	Confirmed	0.14	0.21	0.45	0.011	0.016	0.014	0.013	0.017	0.004	0.003	437	250	29	124
54	Concentric reducer • 139.7 - 60.3 • (4-2.9)	10	P235GH	Confirmed	0.15	0.25	0.43	0.008	0.018	0.015	0.011	0.016	0.005	0.002	438	249	27	128
55	Concentric reducer • 139.7 - 76.1 • (4-2.9)	30	P235GH	Confirmed	0.13	0.23	0.44	0.009	0.019	0.012	0.010	0.013	0.008	0.001	435	251	28	125
56	Concentric reducer • 159 - 88.9 • (4.5-3.2)	30	P235GH	Confirmed	0.12	0.22	0.42	0.012	0.017	0.016	0.014	0.015	0.004	0.003	436	254	26	127
57	Concentric reducer • 159 - 108 • (4.5-3.6)	100	P235GH	Confirmed	0.15	0.24	0.46	0.009	0.016	0.015	0.011	0.017	0.005	0.002	434	250	29	123
58	Concentric reducer • 159 - 114.3 • (4.5-3.6)	30	P235GH	Confirmed	0.10	0.21	0.42	0.013	0.018	0.016	0.012	0.013	0.007	0.003	438	251	27	128
59	Concentric reducer • 168.3 - 114.3 • (4.5-3.6)	20	P235GH	Confirmed	0.13	0.26	0.44	0.011	0.019	0.013	0.010	0.016	0.006	0.001	436	249	28	124
60	Concentric reducer • 168.3 - 133 • (4.5-4.0)	5	P235GH	Confirmed	0.14	0.23	0.41	0.009	0.016	0.015	0.012	0.015	0.008	0.004	433	253	26	126
61	Concentric reducer • 168.3 - 139.7 • (4.5-4)	30	P235GH	Confirmed	0.12	0.25	0.43	0.012	0.018	0.014	0.011	0.016	0.005	0.001	435	251	28	128
62	Concentric reducer • 219.1 - 88.9 • (6.3-3.2)	20	P235GH	Confirmed	0.11	0.21	0.45	0.008	0.019	0.015	0.012	0.013	0.004	0.002	437	253	27	124
63	Concentric reducer • 219.1 - 114.3 • (6.3-3.6)	50	P235GH	Confirmed	0.10	0.24	0.43	0.009	0.016	0.012	0.010	0.015	0.006	0.004	433	251	29	127
64	Concentric reducer • 219.1 - 133 • (6.3-4)	20	P235GH	Confirmed	0.15	0.22	0.41	0.012	0.017	0.015	0.011	0.014	0.005	0.001	438	250	27	128
65	Concentric reducer • 219.1 - 139.7 • (6.3-4.0)	30	P235GH	Confirmed	0.12	0.26	0.44	0.009	0.019	0.013	0.010	0.017	0.008	0.002	435	252	29	123
66	Concentric reducer • 219.1 - 159 • (6.3-4.5)	40	P235GH	Confirmed	0.14	0.25	0.46	0.011	0.016	0.015	0.012	0.013	0.005	0.001	436	254	26	126
67	Concentric reducer • 219.1 - 168.3 • (6.3-4.5)	50	P235GH	Confirmed	0.15	0.22	0.43	0.008	0.018	0.012	0.011	0.014	0.004	0.003	433	251	27	124
68	Concentric reducer • 273 - 139.7 • (6.3-4)	10	P235GH	Confirmed	0.12	0.24	0.44	0.013	0.016	0.016	0.010	0.016	0.006	0.001	437	249	28	128
69	Concentric reducer • 273 - 219.1 • (6.3-6.3)	40	P235GH	Confirmed	0.10	0.26	0.41	0.012	0.017	0.015	0.012	0.015	0.004	0.003	438	254	26	125
70	Concentric reducer • 323.9 - 168 • (7.1-4.5)	10	P235GH	Confirmed	0.14	0.21	0.45	0.008	0.019	0.014	0.013	0.017	0.006	0.002	434	248	27	127
71	Concentric reducer • 323.9 - 219.1 • (7.1-6.3)	20	P235GH	Confirmed	0.12	0.25	0.43	0.009	0.018	0.015	0.010	0.013	0.005	0.003	435	250	26	125
72	Concentric reducer • 323.9 - 273 • (7.1-6.3)	10	P235GH	Confirmed	0.13	0.23	0.44	0.011	0.016	0.013	0.011	0.014	0.007	0.001	437	253	29	126

1. We hereby certify that the above-mentioned products have been manufactured and tested with satisfactory results in accordance with specifications and purchaser's requirements.

2. If you have any different opinions about this certificate, please propose a disagreement with original certificate.

3. This certificate will be invalid when duplicated.



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