

**Scope of the approval – Manufacturer of material in accordance with  
PER 2016/1105, Schedule 2, Part 4, Para. 31 (8)**

Annex to certificate no.  
**PER-0168-QS-M 3263472/2023/MUC-01 von / dated 2023-03-16**

|   |                    |                            |              |   |
|---|--------------------|----------------------------|--------------|---|
| Name: Pinar Döküm Sanayi ve Ticaret A.Ş.              | Country: <b>TR</b> | Date: rev. 0<br>2023-03-16 | Page: 1 of 1 | <b>Competent Body of TUV SUD BABT Unlimited</b> |
| Manufacturer: Street: Kemalpaşa Cad. No:326 Pınarbaşı |                    |                            |              |   |
| City: 35060 Izmir                                     |                    |                            |              |   |

| No.                  | Material Designation<br>Material Grade | Material Specification |       | Delivery Condition<br>Code | Description Product     | Dimensions     |     |               |      | Weight |       | Requirements Technical Rules |     | Report no. C-22-IS-0502-34-B -22<br>dated 2022-11-13  |
|----------------------|--|------------------------|-------|----------------------------|-------------------------|----------------|-----|---------------|------|--------|-------|------------------------------|-----|---|
|                      |  | Spec.                  | No.   |                            |                         | Thickness [mm] |     | Diameter [mm] |      | 1=t    | value | Spec.                        | No. | Remarks   |
|                      |  |                        |       |                            |                         | from           | to  | from          | to   | ↓      |       |                              |     |   |
| 1                    | 2                                      | 3a                     | 3b    | 4                          | 5                       | 6a             | 6b  | 7a            | 7b   | 8a     | 8b    | 9a                           | 9b  | 10  |
| 01                   | GP240GH (1.0619)                       | EN                     | 10213 | N/QT                       | steel casting           | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     | <b>Repair and production welding for category 2-4 acc. to PE(S)R Schedule 2 Part 3 – 21 are not allowed. For production welds, process and personnel approvals issued by a NoBo or RTPO are mandatory.</b>  |
|                      | GP280GH (1.0625)                       |                        |       | N/QT                       |                         | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G17Mn5 (1.1131)                        |                        |       | QT                         |                         | 10             | 50  | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G20Mn5 (1.6220)                        |                        |       | N                          |                         | 1              | 30  | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G20Mn5 (1.6220)                        |                        |       | QT                         |                         | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G24Mn6 (1.1118)                        |                        |       | QT                         |                         | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G24Mn6 (1.1118)                        |                        |       | QT                         |                         | 10             | 150 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G17CrMo5-5 (1.7357)                    |                        |       | QT                         |                         | 10             | 150 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G17CrMoV5-10 (1.7706)                  |                        |       | QT                         |                         | 10             | 150 | 15            | 1200 | 1      | 5     |                              |     |   |
|                      | G17NiCrMo13-6 (1.6781)                 |                        |       | QT                         |                         | 10             | 150 | 15            | 1200 | 1      | 5     |                              |     |   |
| G17CrMo9-10 (1.7379) | QT                                     | 10                     | 150   | 15                         | 1200                    | 1              | 5   |               |      |        |       |                              |     |   |
| 02                   | GX5CrNiMo19-11-2 (1.4408)              | EN                     | 10213 | AT                         | stainless steel casting | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     | <b>For the use of materials acc. to column 2 till 4 the regulations and limits of the respective standards have to be observed. The specific material operating conditions have to be approved by the pressure equipment manufacturer or respectively by the Approved Body in charge.</b> |
|                      | GX5CrNi19-10 (1.4308)                  |                        |       |                            |                         | 10             | 100 | 15            | 1200 | 1      | 5     |                              |     |   |

**Explanation:** AT = solution annealed NT = normalized and tempered N = normalized S = stress relieved TM = thermo-mech. treated U = not annealed  
 QT = quenched and tempered CR = temperature controlled hot formed (controlled rolled) A = annealed AR = as rolled  
 a = material designation in column 10 b = condition in column 10 c = object in column 10  
 d = dimensions acc. to technical rules e = weight acc. to technical rules f = technical rules reference column 10