

# Certificate

## Quality-Assurance System for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.:

01 2627 IN/M1-260015.00

Name and address  
of the manufacturer:

**Goodluck Engineering Co.**  
(Unit of Goodluck India Limited)  
Khasra No. 2839, Dhoom Manikpur,  
Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh,  
India

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, point 4.3, with regard to the materials as listed in the scope of approval.

Tested acc. to  
Directive 2014/68/EU:

**QM System acc. to EN 764-5, Clause 4.2 and AD  
2000-Merkblatt W0**

Assessment report no.:

IN/M1-260015 Rev. 0

Area of validity:

Manufacture of Stainless Steel, Carbon Steel & Alloy Steel, Ferrous and Non-Ferrous Forgings, Flanges, Forged Bars, Stub Ends, Rolled Bars, Bright Bars, Black Bars, see annex to certificate

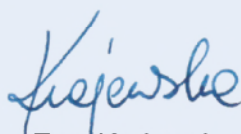
Manufacturing plant:

**Goodluck Engineering Co.**  
(Unit of Goodluck India Limited)  
Khasra No. 2839, Dhoom Manikpur,  
Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh,  
India

Period of validity:

13.03.2026 – 12.03.2029

Zabrze, 13.03.2026

  
Ewa Krajewska

TÜV Rheinland Polska Sp. z o.o.  
Certification Body for Material Manufacturers  
ul. Wolności 347, 41-800 Zabrze, Poland  
e-mail: post@pl.tuv.com



T6-MS-0038294 rev. 2

| Scope according to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3             |                     |                             |              | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |      |          |                  |                                                                                     |                                                                   |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------|---------------------|-----------------------------|--------------|-----------------------------------------------------------|------|----------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                 | Work                                                                                     |                     | Country                     |              | Date                                                      |      | Page no. |                  | TÜV Rheinland Polska Sp. z o.o.                                                     |                                                                   |                                                                                      |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |                     | India                       |              | 13.03.2026                                                |      | 1 of 7   |                  |  |                                                                   |                                                                                      |
| Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India                                                                                                                                                                                                                                                                                                                                                                                                              |                                 |                                                                                          |                     |                             |              | Rev.: 0                                                   |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| Pos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Materials-term<br>Materials-no. | Material specification                                                                   | Delivery conditions | Article<br>Type of Product  | Dimensions   |                                                           |      |          | Weight max.      |                                                                                     | Technical specifications<br>Requirements<br>Technical regulations | Remarks                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                                                                                          |                     |                             | Thickness mm |                                                           | Ø mm |          | 1=t<br>2=kg<br>↓ | result                                                                              |                                                                   |                                                                                      |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                               | 3                                                                                        | 4                   | 5                           | 6a           | 6b                                                        | 7a   | 7b       | 8a               | 8b                                                                                  | 9                                                                 | 10                                                                                   |
| <b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                          |                     |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. |                                 |                                                                                          |                     |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.5415,1.7335                   | EN 10222-2                                                                               | QT                  | Flanges<br>Forgings<br>Bars | 2.10         | 202                                                       | 12.7 | 1524     |                  |                                                                                     |                                                                   |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.7383                          | EN 10222-2                                                                               | QT/NT               |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0352                          | EN 10222-2                                                                               | QT/NT/N             |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0425, 1.0345                  | EN 10222-2                                                                               | N                   |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.4903                          | EN 10222-2                                                                               | NT                  |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.4539                          | EN 10222-5                                                                               | AT                  |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.0460,1.0426                   | EN 10222-2                                                                               | N                   |                             |              |                                                           |      |          |                  |                                                                                     |                                                                   |                                                                                      |

Remarks: +AT = solution annealed

+AR = as rolled

+M = thermomechanical treated

+N = normalized or normalizing formed

+NT = normalized and tempered

+QT = quenched and tempered

+S = soft annealed

+SR = stress relieved

A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

T7-MS-0038294 rev. 2

| Scope according to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                            | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3             |                        |                             |                 | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |                  |                      |                  |                                                                                     |                                                                      |                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|-----------------------------|-----------------|-----------------------------------------------------------|------------------|----------------------|------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                            | Work                                                                                     |                        | Country                     |                 | Date                                                      |                  | Page no.             |                  | TÜV Rheinland Polska Sp. z o.o.                                                     |                                                                      |                                                                                       |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                            | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |                        | India                       |                 | 13.03.2026                                                |                  | 2 of 7               |                  |  |                                                                      |                                                                                       |
| Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                            |                                                                                          |                        |                             |                 | Rev.: 0                                                   |                  |                      |                  |                                                                                     |                                                                      |                                                                                       |
| Pos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Materials-term<br>Materials-no.                            | Material<br>specification                                                                | Delivery<br>conditions | Article<br>Type of Product  | Dimensions      |                                                           |                  |                      | Weight<br>max.   |                                                                                     | Technical<br>specifications<br>Requirements<br>Technical regulations | Remarks                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                            |                                                                                          |                        |                             | Thickness<br>mm |                                                           | Ø<br>mm          |                      | 1=t<br>2=kg<br>↓ | result                                                                              |                                                                      |                                                                                       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                                                          | 3                                                                                        | 4                      | 5                           | 6a              | 6b                                                        | 7a               | 7b                   | 8a               | 8b                                                                                  | 9                                                                    | 10                                                                                    |
| <b>2. Materials according to the AD 2000 Code</b><br>The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. |                                                            |                                                                                          |                        |                             |                 |                                                           |                  |                      |                  |                                                                                     |                                                                      |                                                                                       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.4301,1.4404,1.4401,1.4541<br>1.4571,1.4307,1.4435,1.4550 | EN 10222-5                                                                               | AT                     | Flanges<br>Forgings<br>Bars | 2.10<br>3.2     | 202<br>800                                                | 12.7<br>10<br>10 | 1524<br>2700<br>2700 |                  |                                                                                     |                                                                      |  |

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|                                                                                                    |  |                                                                                          |  |                                                           |            |
|----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|------------|
| Scope according to:                                                                                |  | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3             |  | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |            |
| Manufacturer                                                                                       |  | Work                                                                                     |  | Country                                                   | Date       |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)                               |  | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |  | India                                                     | 13.03.2026 |
| Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |  |                                                                                          |  |                                                           | Rev.: 0    |
| Page no.                                                                                           |  | TÜV Rheinland Polska Sp. z o.o.                                                          |  |                                                           |            |
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| Pos. | Materials-term<br>Materials-no. | Material<br>specification | Delivery<br>conditions | Article<br>Type of Product | Dimensions      |         |                  |        | Weight<br>max. |    | Technical<br>specifications<br>Requirements<br>Technical regulations | Remarks |
|------|---------------------------------|---------------------------|------------------------|----------------------------|-----------------|---------|------------------|--------|----------------|----|----------------------------------------------------------------------|---------|
|      |                                 |                           |                        |                            | Thickness<br>mm | Ø<br>mm | 1=t<br>2=kg<br>↓ | result |                |    |                                                                      |         |
|      |                                 |                           |                        |                            | from            | up to   | from             | up to  | 8a             | 8b | 9                                                                    | 10      |
| 1    | 2                               | 3                         | 4                      | 5                          | 6a              | 6b      | 7a               | 7b     |                |    |                                                                      |         |

**3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)**

The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.

|    |                                                                                                                |                          |             |          |      |     |      |      |  |  |  |  |  |  |  |  |  |                                                                         |
|----|----------------------------------------------------------------------------------------------------------------|--------------------------|-------------|----------|------|-----|------|------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------|
| 9  | F304, F304L, F304H, F316, F316L, F316Ti, F310, F317L, F904L, F44, F51, F60, F53, F55, F321, F321H, F347, F347H | ASTM A 182 / ASME SA 182 | AT          |          |      |     |      |      |  |  |  |  |  |  |  |  |  | PMA for the use in pressure equipment in Directive 2014/68/EU necessary |
| 10 | F1, F5, F9, F11, F12, F22, F91, F6a                                                                            | ASTM A 182 / ASME SA 182 | QT / NT     | Flanges  | 2.10 | 202 | 12.7 | 1524 |  |  |  |  |  |  |  |  |  |                                                                         |
|    |                                                                                                                |                          |             | Forgings | 3.2  | 800 | 10   | 2700 |  |  |  |  |  |  |  |  |  |                                                                         |
| 11 | LF2, LF3, LF6                                                                                                  | ASTM A 350 / ASME SA 350 | N / NT / QT | Bars     |      |     | 10   | 2700 |  |  |  |  |  |  |  |  |  |                                                                         |
| 12 | SA 266 Gr1, Gr 2, SA 266 Gr 4                                                                                  | ASME SA 266              | N / NT      |          |      |     |      |      |  |  |  |  |  |  |  |  |  |                                                                         |
| 13 | F1, F11, F5, F9, F22, F91, F12                                                                                 | ASME SA 336              | QT / NT     |          |      |     |      |      |  |  |  |  |  |  |  |  |  |                                                                         |



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|                                                                                                    |  |                                                                                          |  |                                                           |            |
|----------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|------------|
| Scope according to:                                                                                |  | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3             |  | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |            |
| Manufacturer                                                                                       |  | Work                                                                                     |  | Country                                                   | Date       |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)                               |  | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |  | India                                                     | 13.03.2026 |
| Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |  |                                                                                          |  |                                                           | Rev.: 0    |
| Page no.                                                                                           |  | TÜV Rheinland Polska Sp. z o.o.                                                          |  |                                                           |            |
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| Pos. | Materials-term<br>Materials-no. | Material<br>specification | Delivery<br>conditions | Article<br>Type of Product | Dimensions      |         |                  |        | Weight<br>max. |    | Technical<br>specifications<br>Requirements<br>Technical regulations | Remarks |
|------|---------------------------------|---------------------------|------------------------|----------------------------|-----------------|---------|------------------|--------|----------------|----|----------------------------------------------------------------------|---------|
|      |                                 |                           |                        |                            | Thickness<br>mm | Ø<br>mm | 1=t<br>2=kg<br>↓ | result |                |    |                                                                      |         |
|      |                                 |                           |                        |                            | from            | up to   | from             | up to  | 8a             | 8b | 9                                                                    | 10      |
| 1    | 2                               | 3                         | 4                      | 5                          | 6a              | 6b      | 7a               | 7b     |                |    |                                                                      |         |

### 3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)

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|    |                                                                                   |                    |        |          |      |     |      |      |  |  |  |  |                                                                                      |
|----|-----------------------------------------------------------------------------------|--------------------|--------|----------|------|-----|------|------|--|--|--|--|--------------------------------------------------------------------------------------|
| 14 | F304, F304L, F304H, F316, F316L, F316H, F321, F321H, F347 F347H, FXM19, F6NM, F92 | ASME SA 965        | AT     |          |      |     |      |      |  |  |  |  | PMA for the use in pressure equipment in Directive 2014/68/EU necessary              |
| 15 | F42, F46, F48, F50, F52 F56, F60, F65, F70                                        | ASTM A 694         | QT /NT | Flanges  | 2.10 | 202 | 12.7 | 1524 |  |  |  |  |  |
| 16 | 410,431                                                                           | ASTM A 276 / A 479 | A /QT  | Forgings | 3.2  | 800 | 10   | 2700 |  |  |  |  |                                                                                      |
| 17 | 420                                                                               | ASTM A 276         | A /QT  | Bars     |      |     | 10   | 2700 |  |  |  |  |                                                                                      |
| 18 | 303                                                                               | ASTM A 582         | AT     |          |      |     |      |      |  |  |  |  |                                                                                      |
| 19 | 416 , 430F                                                                        | ASTM A 582         | QT /A  |          |      |     |      |      |  |  |  |  |                                                                                      |

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| Scope according to:                                                                                                                                                        |                                 | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3 |                                                                                          |                            |                 | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |      |                  |                |          |                                                                              |                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------|-----------------|-----------------------------------------------------------|------|------------------|----------------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Manufacturer                                                                                                                                                               |                                 |                                                                              | Work                                                                                     |                            |                 | Country                                                   |      | Date             |                | Page no. |                                                                              | TÜV Rheinland Polska Sp. z o.o.                                                     |  |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)<br>Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |                                 |                                                                              | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |                            |                 | India                                                     |      | 13.03.2026       |                | 5 of 7   |                                                                              |  |  |
|                                                                                                                                                                            |                                 |                                                                              |                                                                                          |                            |                 |                                                           |      | Rev.: 0          |                |          |                                                                              |                                                                                     |  |
| Pos.                                                                                                                                                                       | Materials-term<br>Materials-no. | Material<br>specification                                                    | Delivery<br>conditions                                                                   | Article<br>Type of Product | Dimensions      |                                                           |      |                  | Weight<br>max. |          | Technical<br>specifications<br><br>Requirements<br><br>Technical regulations | Remarks                                                                             |  |
|                                                                                                                                                                            |                                 |                                                                              |                                                                                          |                            | Thickness<br>mm | Ø<br>mm                                                   |      | 1=t<br>2=kg<br>↓ | result         |          |                                                                              |                                                                                     |  |
|                                                                                                                                                                            |                                 |                                                                              |                                                                                          |                            | from            | up to                                                     | from | up to            | 8a             | 8b       | 9                                                                            | 10                                                                                  |  |
| 1                                                                                                                                                                          | 2                               | 3                                                                            | 4                                                                                        | 5                          | 6a              | 6b                                                        | 7a   | 7b               |                |          |                                                                              |                                                                                     |  |

  
**3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)**

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|    |                              |                             |        |                                                                                    |          |      |     |      |      |  |  |                                                                                                                                                                           |  |
|----|------------------------------|-----------------------------|--------|------------------------------------------------------------------------------------|----------|------|-----|------|------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 20 | A 105 / SA 105               | ASTM A 105 /<br>ASME SA 105 | N / NT |  |          |      |     |      |      |  |  | PMA for the use in pressure<br>equipment in Directive<br>2014/68/EU necessary<br><br> |  |
| 21 | 304,304L,316,316L,316Ti,321  | ASTM A 276 /A 479           | AT     |                                                                                    | Flanges  | 2.10 | 202 | 12.7 | 1524 |  |  |                                                                                                                                                                           |  |
| 22 | Gr1,Gr1A,Gr2,Gr3,Gr1C        | ASME SA 508                 | QT     |                                                                                    | Forgings | 3.2  | 800 | 10   | 2700 |  |  |                                                                                                                                                                           |  |
| 23 | Gr1,Gr1A,Gr2,Gr3,Gr1C        | ASME SA 541                 | QT     |                                                                                    | Bars     |      |     | 10   | 2700 |  |  |                                                                                                                                                                           |  |
| 24 | Gr I,Gr II,Gr III,Gr IV,Gr V | ASME SA 765                 | QT/NT  |                                                                                    |          |      |     |      |      |  |  |                                                                                                                                                                           |  |
| 25 | Gr70,Gr75,Gr80,Gr90          | ASME SA 675                 | QT/NT  |                                                                                    |          |      |     |      |      |  |  |                                                                                                                                                                           |  |
| 26 | UNS N10276                   | ASTM B 564/ B462            | AT     |                                                                                    |          |      |     |      |      |  |  |                                                                                                                                                                           |  |

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**3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)**

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|    |                                                                                                       |            |       |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |
|----|-------------------------------------------------------------------------------------------------------|------------|-------|---------------------------------------------------------------------|------|-----|------|------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 27 | UNS N07718/ UNS N07080                                                                                | ASTM B 637 | AT/AH | <div> <div>Flanges</div> <div>Forgings</div> <div>Bars</div> </div> | 2.10 | 202 | 12.7 | 1524 |  |  |  | <div> <div>PMA for the use in pressure equipment in Directive 2014/68/EU necessary</div> <div>  </div> </div> |
| 28 | Gr F2                                                                                                 | ASTM B 381 | AT    |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |
| 29 | UNS C15000                                                                                            | ASTM B 747 | AT/AH |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |
| 30 | UNS N04400, UNS N06022<br>UNS N06600, UNS N08825<br>UNS N06625, UNS N08010<br>UNS N08020 , UNS N06620 | ASTM B 564 | AT    |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |
| 31 | 1.4006, 1.4021                                                                                        | EN 10250-4 | QT/NT |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |
| 32 | 1.4057,1.4313                                                                                         | EN 10250-4 | QT    |                                                                     |      |     |      |      |  |  |  |                                                                                                                                                                                                   |

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| Scope according to:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 | <input checked="" type="checkbox"/> Directive 2014/68/EU, Annex I, point 4.3             |                        |                            |                 | <input checked="" type="checkbox"/> AD 2000-Merkblatt W 0 |         |          |                  |                                                                                     |                                                                      |                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------|------------------------|----------------------------|-----------------|-----------------------------------------------------------|---------|----------|------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 | Work                                                                                     |                        | Country                    |                 | Date                                                      |         | Page no. |                  | TÜV Rheinland Polska Sp. z o.o.                                                     |                                                                      |                                                                                                                                                                     |
| Company name: Goodluck Engineering Co. (Unit of Goodluck India Ltd.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 | Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India |                        | India                      |                 | 13.03.2026                                                |         | 7 of 7   |                  |  |                                                                      |                                                                                                                                                                     |
| Location: Khasra No. 2839, Dhoom Manikpur, Dadri, Gautambudh Nagar - 203 207, Uttar Pradesh, India                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |                                                                                          |                        |                            |                 | Rev.: 0                                                   |         |          |                  |                                                                                     |                                                                      |                                                                                                                                                                     |
| Pos.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Materials-term<br>Materials-no. | Material<br>specification                                                                | Delivery<br>conditions | Article<br>Type of Product | Dimensions      |                                                           |         |          | Weight<br>max.   |                                                                                     | Technical<br>specifications<br>Requirements<br>Technical regulations | Remarks                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |                                                                                          |                        |                            | Thickness<br>mm |                                                           | Ø<br>mm |          | 1=t<br>2=kg<br>↓ | result                                                                              |                                                                      |                                                                                                                                                                     |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                               | 3                                                                                        | 4                      | 5                          | 6a              | 6b                                                        | 7a      | 7b       | 8a               | 8b                                                                                  | 9                                                                    | 10                                                                                                                                                                  |
| <b>3. Materials according to international standards (e.g. ASTM, ASME, IBR, etc.)</b><br>The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4. |                                 |                                                                                          |                        |                            |                 |                                                           |         |          |                  |                                                                                     |                                                                      |                                                                                                                                                                     |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.4104, 1.4005                  | EN 10088-3                                                                               | QT/A                   | Flanges                    | 2.10            | 202                                                       | 12.7    | 1524     |                  |                                                                                     |                                                                      | PMA for the use in pressure equipment in Directive 2014/68/EU necessary<br><br> |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.0116, 1.0570                  | EN 10250-2                                                                               | N                      | Forgings                   | 3.2             | 800                                                       | 10      | 2700     |                  |                                                                                     |                                                                      |                                                                                                                                                                     |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.6580, 1.7725                  | EN 10250-3                                                                               | QT                     | Bars                       |                 |                                                           | 10      | 2700     |                  |                                                                                     |                                                                      |                                                                                                                                                                     |

Remarks: +AT = solution annealed

+AR = as rolled

+M = thermomechanical treated

+N = normalized or normalizing formed

+NT = normalized and tempered

+QT = quenched and tempered

+S = soft annealed

+SR = stress relieved

A = PMA for the use in pressure equipment in Directive 2014/68/EU necessary

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