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**1 Purpose**

This LESER Global Standard (LGS) contains the information about pressure range of all springs which are installed in valve- types 447.

**2 Scope**

This LGS applies to all members of the LESER quality cluster as defined in the global quality management manual.

This LGS contains information about the pressure range of all springs, which are installed in valve- types 447.

The pressure ranges of the various types are given first in pressure-unit [bar]. This is followed by the pressure-unit [psig].

For additional information please see legend description.

**3 References**

LDeS 3060.01, LDeS 3265.01

**4 Legend / Indices**

- S = Sonderauftrag / special order

|                  |      |                  |         |                   |         |               |           |
|------------------|------|------------------|---------|-------------------|---------|---------------|-----------|
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Erklärungen siehe / explanation see : LGS 3600

**Ausführung**

| Standard (standard)     |              |                  |         | Standard (standard)    |              |                  |         | Standard (standard)    |              |                  |         |
|-------------------------|--------------|------------------|---------|------------------------|--------------|------------------|---------|------------------------|--------------|------------------|---------|
| p [ bar ]               |              | Feder-Sachnummer | Indizes | p [ bar ]              |              | Feder-Sachnummer | Indizes | p [ bar ]              |              | Feder-Sachnummer | Indizes |
| von p1<br>up            | bis p2<br>to |                  |         | von p1<br>up           | bis p2<br>to |                  |         | von p1<br>up           | bis p2<br>to |                  |         |
| <b>447 DN 25 do 23</b>  |              |                  |         | <b>447 DN 50 do 46</b> |              |                  |         | <b>447 DN 80 do 60</b> |              |                  |         |
| 0,10                    | - 0,19       |                  | S       | 0,10                   | - 0,34       | 540.8404.0000    |         | 0,10                   | - 0,19       |                  | S       |
| 0,20                    | - 0,52       | 540.8204.0000    |         | 0,35                   | - 0,65       | 540.8424.0000    |         | 0,20                   | - 0,25       | 540.8624.0000    |         |
| 0,53                    | - 1,10       | 540.8224.0000    |         | 0,66                   | - 1,10       | 540.8434.0000    |         | 0,26                   | - 0,29       | 540.8634.0000    |         |
| 1,11                    | - 1,44       | 540.8234.0000    |         | 1,11                   | - 1,60       | 540.4664.0000    |         | 0,30                   | - 0,35       | 540.8644.0000    |         |
| 1,45                    | - 2,22       | 540.4354.0000    |         | 1,61                   | - 2,35       | 540.4674.0000    |         | 0,36                   | - 0,49       | 540.8654.0000    |         |
| 2,23                    | - 3,10       | 540.4374.0000    |         | 2,36                   | - 3,70       | 540.4694.0000    |         | 0,50                   | - 0,70       | 540.5812.0000    |         |
| 3,11                    | - 4,20       | 540.4384.0000    |         | 3,71                   | - 5,20       | 540.4704.0000    |         | 0,71                   | - 1,10       | 540.5822.0000    |         |
| 4,21                    | - 5,20       | 540.4394.0000    |         | 5,21                   | - 7,20       | 540.4714.0000    |         | 1,11                   | - 1,60       | 540.5832.0000    |         |
| 5,21                    | - 7,20       | 540.4404.0000    |         | 7,21                   | - 10,00      | 540.4724.0000    |         | 1,61                   | - 2,30       | 540.5842.0000    |         |
| 7,21                    | - 9,00       | 540.4414.0000    |         |                        | - 16,00      |                  | S       | 2,31                   | - 2,90       | 540.5852.0000    |         |
| 9,01                    | - 12,00      | 540.4424.0000    |         |                        |              |                  |         | 2,91                   | - 4,60       | 540.5862.0000    |         |
| 12,01                   | - 16,00      | 540.4434.0000    |         |                        |              |                  |         | 4,61                   | - 6,80       | 540.5872.0000    |         |
|                         |              |                  |         |                        |              |                  |         | 6,81                   | - 10,00      | 540.5882.0000    |         |
|                         |              |                  |         |                        |              |                  |         |                        | - 16,00      |                  |         |
| <b>447 DN 100 do 92</b> |              |                  |         |                        |              |                  |         |                        |              |                  |         |
| 0,10                    | - 0,14       |                  | S       |                        |              |                  |         |                        |              |                  |         |
| 0,15                    | - 0,19       | 540.8712.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 0,20                    | - 0,27       | 540.8732.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 0,28                    | - 0,40       | 540.8742.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 0,41                    | - 0,60       | 540.8752.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 0,61                    | - 1,00       | 540.5912.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 1,01                    | - 1,35       | 540.5922.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 1,36                    | - 1,65       | 540.5932.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 1,66                    | - 2,00       | 540.5942.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 2,01                    | - 2,80       | 540.5952.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 2,81                    | - 4,00       | 540.5962.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 4,01                    | - 6,00       | 540.5972.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 6,01                    | - 8,00       | 540.9952.0000    |         |                        |              |                  |         |                        |              |                  |         |
| 8,01                    | - 10,00      | 540.5982.0000    |         |                        |              |                  |         |                        |              |                  |         |
|                         | - 16,00      |                  | S       |                        |              |                  |         |                        |              |                  |         |

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Erklärungen siehe / explanation see : LGS 3600

| Ausführung (model)  |                 |                          |         |                     |                 |                          |         |                     |                 |                          |         |
|---------------------|-----------------|--------------------------|---------|---------------------|-----------------|--------------------------|---------|---------------------|-----------------|--------------------------|---------|
| Standard (standard) |                 |                          |         | Standard (standard) |                 |                          |         | Standard (standard) |                 |                          |         |
| p [ psig ]          |                 | Feder-<br>Materialnummer | Indizes | p [ psig ]          |                 | Feder-<br>Materialnummer | Indizes | p [ psig ]          |                 | Feder-<br>Materialnummer | Indizes |
| von<br>p1<br>up     | bis<br>p2<br>to |                          |         | von<br>p1<br>up     | bis<br>p2<br>to |                          |         | von<br>p1<br>up     | bis<br>p2<br>to |                          |         |
| 447 DN 25 do 23     |                 |                          |         | 447 DN 50 do 46     |                 |                          |         | 447 DN 80 do 60     |                 |                          |         |
| 1                   | - 3             |                          | S       | 1                   | - 5             | 540.8404.0000            |         | 1                   | - 2,9           |                          | S       |
| 3                   | - 8             | 540.8204.0000            |         | 5                   | - 10            | 540.8424.0000            |         | 2,9                 | - 3,8           | 540.8624.0000            |         |
| 8                   | - 16            | 540.8224.0000            |         | 10                  | - 16            | 540.8434.0000            |         | 3,8                 | - 4             | 540.8634.0000            |         |
| 16                  | - 21            | 540.8234.0000            |         | 16                  | - 23            | 540.4664.0000            |         | 4                   | - 5             | 540.8644.0000            |         |
| 21                  | - 32            | 540.4354.0000            |         | 23                  | - 34            | 540.4674.0000            |         | 5                   | - 7             | 540.8654.0000            |         |
| 32                  | - 45            | 540.4374.0000            |         | 34                  | - 54            | 540.4694.0000            |         | 7                   | - 10            | 540.5812.0000            |         |
| 45                  | - 61            | 540.4384.0000            |         | 54                  | - 76            | 540.4704.0000            |         | 10                  | - 16            | 540.5822.0000            |         |
| 61                  | - 76            | 540.4394.0000            |         | 76                  | - 105           | 540.4714.0000            |         | 16                  | - 23            | 540.5832.0000            |         |
| 76                  | - 105           | 540.4404.0000            |         | 105                 | - 145           | 540.4724.0000            |         | 23                  | - 33            | 540.5842.0000            |         |
| 105                 | - 131           | 540.4414.0000            |         | 145                 | - 232           |                          | S       | 33                  | - 42            | 540.5852.0000            |         |
| 131                 | - 174           | 540.4424.0000            |         |                     |                 |                          |         | 42                  | - 67            | 540.5862.0000            |         |
| 174                 | - 232           | 540.4434.0000            |         |                     |                 |                          |         | 67                  | - 99            | 540.5872.0000            |         |
|                     |                 |                          |         |                     |                 |                          |         | 99                  | - 145           | 540.5882.0000            |         |
|                     |                 |                          |         |                     |                 |                          |         | 145                 | - 232           |                          | S       |
| 447 DN 100 do 92    |                 |                          |         |                     |                 |                          |         |                     |                 |                          |         |
| 1                   | - 2             |                          | S       |                     |                 |                          |         |                     |                 |                          |         |
| 2                   | - 3             | 540.8712.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 3                   | - 4             | 540.8732.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 4                   | - 6             | 540.8742.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 6                   | - 9             | 540.8752.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 9                   | - 15            | 540.5912.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 15                  | - 20            | 540.5922.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 20                  | - 24            | 540.5932.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 24                  | - 29            | 540.5942.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 29                  | - 41            | 540.5952.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 41                  | - 58            | 540.5962.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 58                  | - 87            | 540.5972.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 87                  | - 116           | 540.9952.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 116                 | - 145           | 540.5982.0000            |         |                     |                 |                          |         |                     |                 |                          |         |
| 145                 | - 232           |                          | S       |                     |                 |                          |         |                     |                 |                          |         |

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