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European Technical Assessment Body for construction products



European Technical Assessment

ETA-11/0160 of 21 February 2025

English translation prepared by DIBt - Original version in German language

General Part

| Technical Assessment Body issuing the European Technical Assessment: | Deutsches Institut für Bautechnik |
|--|--|
| Trade name of the construction product | PFEIFER Wire Ropes |
| Product family to which the construction product belongs | Prefabricated unalloyed steel and stainless steel wire ropes with end connectors |
| Manufacturer | PFEIFER Structures GmbH Memmingerstraße 40 87740 Buxheim GERMANY |
| Manufacturing plant | PFEIFER manufacturing plants |
| This European Technical Assessment contains | 61 pages including 57 annexes which form an integral part of this assessment |
| This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of | EAD 200001-00-0602 |
| This version replaces | ETA-11/0160 issued on 1 October 2021 |



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Specific part

1 Technical description of the product

The construction products are prefabricated high-strength unalloyed and stainless steel wire ropes with appropriate end connectors and the trade name "PFEIFER Wire Ropes".

The prefabricated high-strength wire ropes made of unalloyed steel consist of full locked coil cables or open spiral strands as well as the appropriate end connectors. The unalloyed wire ropes correspond to EN 10264-2:2012, EN 10264-3:2012 as well as to the series of the standards EN 12385¹.

The prefabricated high-strength wire ropes made of stainless steel consist of open spiral strands and the appropriate end connectors. Wire ropes made of stainless steel correspond to EN 10264-4:2012 as well as to the series of the standards EN 12385¹.

In addition to the above-mentioned standards, the unalloyed and stainless steel wire ropes comply with the specifications in annexes C1 to L2.

The end connectors including the connection components consist of a combination of the individual components given in annex B (B1 to B6), depending on the particular application. For the product characteristics of the components of the end connectors the indications in annex C (C1 to C5) apply. The dimensions correspond to the indications in annexes D1 to H7. Threads are metric ISO threads.

Drawings of the end connectors with its components with the essential dimensions are given in the annexes to this European technical assessment.

Dimensions and tolerances not indicated in the annexes shall correspond to the indications laid down in the technical documentation² to this European Technical Assessment.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The intended use comprises all typical structural applications of high-strength wire ropes made of unalloyed respectively stainless steel taking into account the national provisions of the Member State applicable for the location where the product is incorporated in the works.

The wire ropes with the appropriate connectors are intended for the use in structures with static or quasi-static loads according to EN 1990:2002, where no verification of fatigue relating to EN 1993-1-9:2005 is necessary.

The performances given in Section 3 are only valid if the prefabricated high-strength wire ropes with the appropriate end connectors are used in compliance with the specifications and conditions given in annex A and the annexes.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the prefabricated high-strength wire ropes with the appropriate end connectors of at least 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

With regard to durability the regulations given in EN 1993-1-11:2006+AC:2009, section 4 and EN 1090-2:2018 shall be observed.

For sockets EN 13411-4:2011 applies.

¹ EN 12385-1:2009, EN 12385-2:2008, EN 12385-3:2020, EN 12385-4:2008 and EN 12385-10:2008 The technical desumatetion to this European Technical Assessment is dependent with Deutenhas Inst

The technical documentation to this European Technical Assessment is deposited with Deutsches Institut für Bautechnik and, as far as relevant for the tasks of the approved bodies involved in the attestation of conformity procedure is handed over to the approved bodies.



3 Performance of the product and references to the methods used for its assessment

3.1 Mechanical resistance and stability (BWR 1)

| Essential characteristic | Performance |
|-------------------------------------|---------------------------------|
| Breaking strength | See Annexes J1 to J3, L1 and L2 |
| Modulus of deformation / elasticity | See Annex C5 |

3.2 Safety in case of fire (BWR 2)

| Essential characteristic | Performance |
|--------------------------|--|
| Reaction to fire | Class A1 according to EN 13501-1:2007+A1:2009 |

The components of the prefabricated unalloyed steel and stainless steel wire ropes with end connectors satisfy the requirements for performance class A1 of the characteristic reaction to fire, in accordance with the provisions of EC decision 96/603/EC (as amended).

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 200001-00-0602 the applicable European legal act is: Decision 1998/214/EC.

The system to be applied is: 2+

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 21 February 2025 by Deutsches Institut für Bautechnik

Dr.-Ing. Ronald Schwuchow Head of Section *beglaubigt:* Bertram English translation prepared by DIBt

Deutsches Institut für Bautechnik

Annex A

A.1 Assumptions concerning design

The design is carried out according to EN 1993-1-11:2006+AC:2009.

The design values of resistance given below are used for design.

The loading is static or quasi-static according to EN 1990:2002 without need of verification of fatigue relating to EN 1993-1-9:2005+AC:2009.

The dimensions, tolerances, material properties and thread engagements ("ETmin") stated in this European Technical Assessment are observed.

The wire ropes with appropriate end connectors are to be used that no systematic bending occurs in the connecting parts.

The design is carried out by a designer of the structure experienced in the field of steel structures.

Design tension resistance of the wire ropes with end connectors

The design value of the tension resistance F_{Rd} (corresponds to the values in the annexes J1 to J3, L1 and L2) of the wire ropes including the end connectors shall be determined as follows:

$$F_{Rd} = F_{uk}/(1.5 \cdot \gamma_R)$$

Where:

 F_{uk} = characteristic value of the breaking strength of the wire ropes according to annexes J1 to J3, L1 and L2

(General remark: $F_{uk} = F_{min} \cdot k_e$ with: F_{min} - minimum breaking force and k_e - loss factor)

 $\gamma_{\rm R}$ = 1.0

The value given for the partial safety factor γ_R is a minimum value, that means values < 1,0 for γ_R are not allowed. It should be used in cases where no values or no unfavourable values are given in national regulations of the Member State where the wire ropes with end connectors are used or in the respective National Annex to Eurocode 3.

Resistance of pins

The resistance of the pins of the fork end connectors is already covered by the tension resistance F_{Rd} of the wire ropes with end connectors (as before) if the thickness of the gusset plate "tLmin" is in accordance with the indications in annexes D1, D2, D5, D6, D13, E1, E3, F1, F3, G1, G3, G6, G7, H1, H3, H6 and H7 and the steel grade of the gusset plate is at least S355.

Resistance of sockets

The resistance of the sockets is already covered by the tension resistance F_{Rd} of the wire ropes.

Resistance of threads

The resistance of the threads is already covered by the tension resistance F_{Rd} of the wire ropes in compliance with the minimum thread engagements "ETmin" according to the annexes I1 to I3 and K1.

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A.2 Assumptions concerning installation

The installation is carried out such that the wire ropes with end connectors are accessible for repair or maintenance at any time.

The installation is only carried out according to the manufacturer's instructions. The manufacturer hands over the assembly instructions to the assembler. From the assembly instructions it is followed that, prior to installation, all components of the wire ropes with end connectors shall be checked for their perfect condition and that damaged components shall not be used.

The responsible assembler attests by notation that all connections with threads were checked concerning the keeping of the minimum thread engagements.

Below the lock nut of the sockets type 803 and type 804 washers according to EN ISO 7089-200HV-tzn shall be arranged. For undeliverable sizes washers shall be made of steel 34CrNiMo6+QT.

By installing the sockets of type 803 and type 804 attention is paid on accurate symmetric arrangement of thread bar to avoid eccentric loading of the sleeve.

An uneven distribution of the wire rope force and unfavourable compulsion on Type 803 and Type 804 are excluded. When installing the adjustable sockets Type 803 and Type 804 the two threaded rods are tightened evenly. The difference between the free lengths of the threaded rods in the final state is a maximum of 2 mm.

The conformity of the gusset plates and the installed wire ropes with end connectors with the provisions of the European Technical Assessment is attested by the executing assembler.

A.3 Indications to the manufacturer

The manufacturer shall ensure that the information on the specific conditions is given to those who are concerned. This information may be given by reproduction of the European Technical Assessment.

In addition all essential installation data shall be shown clearly on the package or on an enclosed instruction sheet, preferably using illustration(s).

To prevent confusion the wire ropes with end connectors should be packaged and delivered as a complete unit.

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Bruchdehnung Kerbschlagarbeit

Impact strength

Elongation

Mindestwerte)

imum values)

stwerte) r values) ו

 α_k in J/°C (ISO-V)

 A_5 in %

0340:2008-01 0340:2008-01 0340:2008-01

| Table 1.1 - Steel grade of PV-, P Tabelle 1.1 - Stahlsorten der PV | G-components for -, PG-Bauteile für S | wire ropes of u eile aus unlegi | nalloyed steel, n ertem Stahl, mec | nechanical prop hanische Eigen | oerties (minimum v schaften (Mindestv | valu wei |
|---|--|------------------------------------|--|--|--|-------------|
| Components of end | Steel gr Stahlso | ade orte | | mechanica Mechanische | l properties (minim e Eigenschaften (Mi | lind |
| connectors Bauteile für die Endverankerungen | Symbol Kurzname | Material-No. Werkstoff Nr. | Thickness Erzeugnisdicke t in mm | Yield strength Streckgrenze R _{p0,2} in N/mm ² | Tensile strength Zugfestigkeit B R _m in N/mm ² | Bru |
| Wire rope / Seil | | | accord | ding to / gemäß | 3 12385 | |
| Socket / Vergusshülse | G18NiMoCr3-6 | 1.6759 | | according | to / gemäß EN 103 | 40 |
| Clamp / Klemme | G18NiMoCr3-6 | 1.6759 | | according | to / gemäß EN 1034 | :01 |
| Guide / Umlenklager | G18NiMoCr3-6 | 1.6759 | | according | to / gemäß EN 1034 | :05 |
| Pin / Bolzen | 34CrNiMo6 | 1.6582 | ассо | rding to / gemä | iß EN 10083-3:2007-(| -01 |
| Socket / Vergusshülse | 34CrNiMo6 | 1.6582 | ассо | rding to / gemä | iß EN 10083-3:2007-(| -01 |
| Threaded rod / Gewindestange Typ 710 | 34CrNiMo6 | 1.6582 | ассо | rding to / gemä | áß EN 10083-3:2007-(| -01 |
| Fitting Type / Typ 980, 982, 988 | S460 | 1.8901 | | 460 | 069 | |
| Threaded rod / Gewindestange Type / Typ 864 | S460 | 1.8901 | | 460 | 625 | |
| Threaded rod / Gewindestange Typ 840,850 | S355J2 | 1.0577 | | according t | to / gemäß EN 10025 | 25-2 |
| Spherical nut-disc | | | | | | |
| Sphärische Mutter-Scheibe Type / Typ 813, 814, 851, 852 | S355J2 | 1.0577 | | according t | to / gemäß EN 10025 | 25-2 |
| Fork end / Gabelkopf Type / Typ 980 | EN-GJS-400-18-LT | 5.3103 | | according | g to / gemäß EN 156 | 63:2 |
| | | | | | | |
| | | | | | | |

PFEIFER – Wire Ropes PFEIFER – Seil-Zugglieder

Table 1.1 - Material / Steel grade, mechanical properties (minimum values) Tabelle 1.1 – Material / Stahlsorten, Mechanische Eigenschaften (Mindestwerte)

Annex C1 Anhang C1



≥27/-40 ≥27/-40

≥27/-40

≥27/-20 ≥27/-20

17 17 025-2:2005-04

025-2:2005-04

563:2012-03



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| | ralues) stwerte) | Thermal expansion coefficient/ Temperaturdehnzahl | α_k in K ⁻¹ | 16x10 ⁻⁵ | 16x10 ⁻⁵ | | | 13×10 ⁻⁶ | | |
|---|------------------------------------|---|--|----------------------------|---------------------|---------------------|---|--|--|-----------------------|
| | mum v Minde | gunu | A _{GL} | 2 | 2 | | | | | |
| (e) | (mini ften (1 | ongati chdeh in % | A10 | 9 | 9 | | | | | _ |
| ues) estwer | perties | h Bru | As | \geq | \geq | | | | | |
| (minimum valı chaften (Minde | nechanical proj echanische Eige | Tensile strengt Zugfestigkeit | R _m in N/mm² | 1450 | 1450 | | | ng to / gemäß 88-3:2014-12 | | |
| nical properties hanische Eigens | ž | Yield strength Streckgrenze | R _{po,2} in N/mm ² | 1100 | 1100 | | | accordi EN 100 | | |
| nless steel, mecha endem Stahl, Mech | | Strength class Festigkeitsklasse | 0 | S1100 | S1100 | | | S460 | | |
| re ropes of stair e aus nichtroste | Steel grade Stahlsorte | Material-No. Werkstoff Nr. 1 | | 1.4436 | 1.4401 | | | 1.4462 | | |
| f components for wir der Bauteile für Seil | | Symbol Kurzname | | X3CrNiMo 17-13-3 | X5CrNiMo 17-12-2 | | | X2CrNiMoN 22-5-3 | | |
| Table 1.2 - steel grade of Tabelle 1.2 - Stahlsorten | | Components Bauteile | | Mire rone / Seil | | Pin / Bolzen | Open swaged fitting Type 981 Gabelfitting Typ 981 | Closed swaged fitting Type 983 Ösenfitting Typ 983 | Swaged fitting with thread Type 989 Gewindefitting Typ 989 | |
| ble 1.2 - Materia | l al / Ste | PFEIFE PFEIFEF | ER - ? - ? | - Wire Seil-Zu echan | Rope ugglied | s der roperti | ies (minimu | m values) | | Annex C2 Anhang C2 |

Z064902.25

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Z064902.25



Table 1.3 – Material UMIX / Steel grade, mechanical properties (minimum values) Tabelle 1.3 – Material UMIX/ Stahlsorten, Mechanische Eigenschaften (Mindestwerte) Anhang C3

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| | Stahlsort Steel gra | en, Mechanische de | Eigenschaften PE | UMIX Bauteile Mechanical | Mindestwerte) properties (mini | mum values) | |
|---|--|-------------------------------------|---|---|--|--|--|
| Components Bauteile | Symbol Kurzname | te Material-No. Werkstoff Nr. | Thickness Erzeugnissdicke t in mm | Mechanische Yield strength Streckgrenze R _{p0,2} in N/mm ² | Eigenschaften (N Tensile strength Zugfestigkeit R _m in N/mm ² | Aindestwerte) Elongation Bruchdehnung A ₅ in % | Impact strength Kerbschlagarbeit α _k in J/°C (ISO-V) |
| Fork end Gabelkopf | GX2CrNiMoN22-5-3 | 1.4470 | ассо | ording to / gemä | iß EN 10283:2019- | 06 | 30/20 27/-20 |
| Pin/Bolzen | X5CrNiCuNb 16-4 | 1.4542 | | according t | o / gemäß EN 100 | 88-3:2005-09 | - |
| Spade End/ Ösenkopf | GX2CrNiMoN22-5-3 | 1.4470 | ассо | ording to / gemä | iß EN 10283:2019- | 06 | 30/20 27/-20 |
| Swaged Eitting | X2CrNiMoN29-7-2 | 1.4477 | | 580 | 790 | 17 | 100/20 40/-40 |
| with Thread/ Gewindefitting | X2CrNiMoCuWN25-7-4 | 1.4501 | | 580 | 790 | 17 | 100/20 40/-40 |
| een naen tang | X2CrNiMoN22-5-3 | 1.4462 | | 580 | 790 | 17 | 100/20 40/-40 |
| Lock Nut/ Kontermutter | X2CrNiMo17-12-2 | 1.4404 | | according t | o / gemäß EN 100 | 88-5:2009-07 | |
| Connecting Plate/ Anschlussblech | S355J2 ** | 1.0577 | | according | to/gemäß EN 1002 | 25-2:2005-04 | |
| | X2CrNiMoN29-7-2 | 1.4477 | | 580 | 790 | 17 | 100/20 40/-40 |
| Adapter | X2CrNiMoCuWN25-7-4 | 1.4501 | | 580 | 790 | 17 | 100/20 40/-40 |
| | X2CrNiMoN22-5-3 | 1.4462 | | 580 | 790 | 17 | 100/20 40/-40 |
| | X2CrNiMoN29-7-2 | 1.4477 | | 580 | 790 | 17 | 100/20 40/-40 |
| Coupler/ Muffe | X2CrNiMoCuWN25-7-4 | 1.4501 | | 580 | 790 | 17 | 100/20 40/-40 |
| | X2CrNiMoN22-5-3 | 1.4462 | | 580 | 790 | 17 | 100/20 40/-40 |
| lute use stices | X2CrNiMoN29-7-2 | 1.4477 | | 580 | 790 | 17 | 100/20 40/-40 |
| Coupler / | X2CrNiMoCuWN25-7-4 | 1.4501 | | 580 | 790 | 17 | 100/20 40/-40 |
| Kreuzinuire | X2CrNiMoN22-5-3 | 1.4462 | | 580 | 790 | 17 | 100/20 40/-40 |
| ntersection Plate/ Knotenblech | S355J2 ** | 1.0577 | | according | to/gemäß EN 1002 | 25-2:2005-04 | |
| * based on/in Anle * Werkstoff in Anle | hnung an EN 10025-3:200 ehnung an S355J2 und un | 05-02 Iter Berücksichtig | ung der Teilsicher | heitsbeiwerts γ | ™ = 1,1 für nichtro | ostenden Stahl | |
| | DEI | | a Rones | | | | |
| | PEI | FER - Seilzu | gglieder | | | | |

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| | Cable Type | Fa |
|-------------------------|---|------------------------|
| | Seiltyp | in N/mm² |
| d steel er Stahl | Full locked cables Vollverschlossene Seile | 0,16 x 10 ⁶ |
| Unalloye Unlegiert | Open spiral strands Offene Spiralseile | 0,16 x 10 ⁶ |
| - | Structural wire ropes with steel core Rundlitzenseile mit Stahleinlage | 0,12 x 10 ⁶ |
| s steel nder Stahl | Open spiral strands Offene Spiralseile | 0,13 x 10 ⁶ |
| Stainles Nichtroster | Structural wire ropes with steel core Rundlitzenseile mit Stahleinlage | 0,10 x 10 ⁶ |

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| | F | | | | dB | | d _B = Bolze | ndurchmes | A 8 Ser / pin di | ameter |
|---------|-----|----------------------|-----------------------|--------------------|-----|-----|------------------------|-----------|------------------------|---------|
| Size | ds | А | В | С | dB | F | F | tL | | |
| Größe | mm | mm | mm | mm | mm | | | min | mm | |
| PV 40 | 21 | 92 | 35 | 61 | 39 | 55 | 57 | 29 | 168 | |
| PV 60 | 26 | 116 | 43 | 75 | 44 | 70 | 68 | 36 | 208 | |
| PV 90 | 31 | 137 | 52 | 90 | 54 | 83 | 86 | 45 | 248 | |
| PV 115 | 35 | 153 | 60 | 102 | 59 | 93 | 91 | 52 | 280 | |
| PV 150 | 40 | 176 | 68 | 116 | 64 | 106 | 98 | 60 | 320 | |
| PV 195 | 45 | 197 | 77 | 131 | 73 | 120 | 110 | 69 | 360 | |
| PV 240 | 50 | 220 | 85 | 145 | 83 | 133 | 123 | 76 | 400 | |
| PV 300 | 55 | 241 | 94 | 160 | 88 | 146 | 140 | 85 | 440 | |
| PV 360 | 60 | 263 | 102 | 174 | 98 | 159 | 153 | 92 | 480 520 | |
| PV 420 | 70 | 308 | 119 | 203 | 118 | 173 | 178 | 107 | 560 | |
| PV 560 | 75 | 329 | 128 | 218 | 128 | 199 | 195 | 114 | 600 | |
| PV 640 | 80 | 351 | 136 | 232 | 138 | 212 | 208 | 121 | 640 | |
| PV 720 | 85 | 372 | 145 | 247 | 142 | 226 | 220 | 129 | 680 | |
| PV 810 | 90 | 395 | 153 | 261 | 153 | 239 | 233 | 136 | 720 | |
| PV 910 | 95 | 416 | 162 | 276 | 162 | 252 | 253 | 144 | 760 | |
| PV 1010 | 100 | 438 | 170 | 290 | 172 | 265 | 263 | 151 | 800 | |
| PV 1110 | 105 | 459 | 1/9 | 305 | 182 | 2/9 | 2/6 | 159 | 840 | |
| PV1340 | 115 | 511 | 196 | 334 | 202 | 305 | 299 | 174 | 920 | |
| PV1450 | 120 | 532 | 204 | 348 | 207 | 318 | 312 | 180 | 960 | |
| PV1580 | 125 | 555 | 213 | 363 | 217 | 332 | 325 | 187 | 1000 | |
| PV1730 | 130 | 577 | 221 | 377 | 227 | 345 | 338 | 193 | 1040 | |
| PV1860 | 135 | 599 | 230 | 392 | 237 | 358 | 351 | 196 | 1080 | |
| PV2000 | 140 | 621 | 238 | 406 | 247 | 371 | 364 | 204 | 1120 | |
| PV2150 | 145 | 644 | 247 | 421 | 261 | 385 | 387 | 211 | 1160 | |
| PV2300 | 150 | 6/1 | 255 | 435 | 2/1 | 398 | 400 | 217 | 1200 | |
| PV2600 | 160 | 710 | 272 | 400 | 201 | 411 | 415 | 232 | 1240 | |
| | P | PFEIFE FEIFER | R – Wire – Seil-Zı | Ropes ugglieder | | | | | | nnex D1 |
| | Ope | en Spelte Gabelse | er Socke ilhülse T | t Type 7 yp 700 | 00 | | | | An | hang D1 |

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| | 6 | |)) | | | | | d _e = Bolzenduro | A 8 | take up | |
|------------------|-------------|---|--|---|------------------------------------|-----|-----|-----------------------------|------------|-----------------|------------|
| Size | ds | A | в | С | dB | E | F | tL min | L | take up | |
| Große | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | |
| PV 40 | 21 | 92 | 35 | 61 | 39 | 55 | 57 | 29 | 359 | ±32 | |
| PV 60 | 26 | 116 | 43 | 75 | 44 | 70 | 68 | 36 | 429 | ±36 | |
| PV 90 | 31 | 137 | 52 | 90 | 54 | 83 | 86 | 45 | 497 | ±38 | |
| PV 115 | 35 | 153 | 60 | 102 | 59 | 93 | 91 | 52 | 559 | ±42 | |
| PV 150 PV 195 | 40 | 1/6 | - 68 - 73 | 131 | 64 73 | 106 | 98 | 69 | 590 660 | ±42 +46 | |
| PV 133 | 50 | 220 | 85 | 145 | 83 | 133 | 123 | 76 | 746 | ±56 | |
| PV 300 | 55 | 241 | 94 | 160 | 88 | 146 | 140 | 85 | 824 | ±58 | |
| PV 360 | 60 | 263 | 102 | 174 | 98 | 159 | 153 | 92 | 894 | ±62 | |
| PV 420 | 65 | 285 | 111 | 189 | 108 | 173 | 165 | 100 | 973 | ±70 | |
| PV 490 | 70 | 308 | 119 | 203 | 118 | 186 | 178 | 107 | 1041 | ±72 | |
| PV 560 | 75 | 329 | 128 | 218 | 128 | 199 | 195 | 114 | 1111 | ±76 | |
| PV 640 | 80 | 351 | 136 | 232 | 138 | 212 | 208 | 121 | 1181 | ±80 +84 | |
| PV 810 | 90 | 395 | 153 | 261 | 153 | 239 | 233 | 136 | 1345 | ±92 | |
| PV 910 | 95 | 416 | 162 | 276 | 162 | 252 | 253 | 144 | 1415 | ±96 | |
| PV 1010 | 100 | 438 | 170 | 290 | 172 | 265 | 263 | 151 | 1483 | ±98 | |
| PV1110 | 105 | 459 | 179 | 305 | 182 | 279 | 276 | 159 | 1561 | ±114 | |
| PV1220 | 110 | 484 | 187 | 319 | 187 | 292 | 286 | 165 | 1634 | ±124 | |
| PV1450 | 120 | 532 | 204 | 348 | 202 | 305 | 312 | 174 | 1/31 | ±118 | |
| PV1580 | 125 | 555 | 213 | 363 | 217 | 332 | 325 | 187 | 1885 | ±130 | |
| PV1730 | 130 | 577 | 221 | 377 | 227 | 345 | 338 | 193 | 1962 | ±134 | |
| PV1860 | 135 | 599 | 230 | 392 | 237 | 358 | 351 | 196 | 2037 | ±140 | |
| PV2000 | 140 | 621 | 238 | 406 | 247 | 371 | 364 | 204 | 2114 | ±144 | |
| PV2150 | 145 | 671 | 247 | 421 | 261 | 385 | 387 | 211 | 2199 | ±150 +156 | |
| PV2450 | 155 | 688 | 255 | 450 | 281 | 411 | 415 | 217 | 2330 | ±162 | |
| PV2600 | 160 | 710 | 272 | 464 | 291 | 424 | 428 | 232 | 2400 | ±168 | |
| | Adjus Ve | PFE PFEIF stable Op erstellbar | IFER – \ ER – Se ben Spel re Gabels | Vire Rop eil-Zuggli ter Sock seilhülse | eder eder et Type Typ 710 | 710 | | | | Annex Anhang | D2 3 D2 |

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| | Size | ds | D | Mi | L | | |
|---------------------------|----------------------------------|-----------------------|--------------------|--------------------|--------------|---|-----------------------|
| | Größe | mm | mm | mm | mm | | |
| | PV 40 | 21 | 80 | 42 x 3 | 165 | | |
| | PV 60 | 26 | 95 | 52 x 3 | 200 | | |
| | PV 90 | 31 | 110 | 64 x 4 | 235 | | |
| | PV 115 | 35 | 125 | 75 x 4 | 270 | | |
| | PV 150 | 40 | 125 | 75 x 4 | 270 | | |
| | PV 195 | 45 | 140 | 85 x 4 | 305 | | |
| | PV 240 | 50 | 155 | 95 X 4 | 350 | | |
| | PV 360 | 60 | 185 | 118 x 4 | 420 | | |
| | PV 420 | 65 | 205 | 128 x 4 | 460 | | |
| | PV 490 | 70 | 220 | 140 x 4 | 495 | | |
| | PV 560 | 75 | 235 | 150 x 4 | 530 | | |
| | PV 640 | 80 | 250 | 160 x 4 | 565 | | |
| | PV 720 | 85 | 265 | 172 x 4 | 600 | | |
| | PV 810 PV 910 | 90 | 280 | 185 x 6 | 645 680 | ł | |
| | PV 1010 | 100 | 310 | 205 x 6 | 715 | ł | |
| | PV 1110 | 105 | 330 | 215 x 6 | 760 |] | |
| | PV 1220 | 110 | 345 | 225 x 6 | 800 | ļ | |
| | PV 1340 | 115 | 360 | 235 x 6 | 840 | ļ | |
| | PV 1450 | 120 | 380 | 245 x 6 | 880 020 | | |
| | PV 1730 | 130 | 410 | 270 x 6 | 960 | | |
| | PV 1860 | 135 | 425 | 280 x 6 | 1000 | | |
| | PV 2000 | 140 | 440 | 290 x 6 | 1040 |] | |
| | PV2150 | 145 | 460 | 300 x 6 | 1070 | | |
| | PV2300 | 150 | 475 | 310 x 6 | 1100 | | |
| | PV2450 PV2600 | 155 160 | 490 510 | 325 x 6 335 x 6 | 1125 1160 | | |
| F | PFEIFER – V FEIFER – Se | Vire Rop il-Zuggli | es eder | | | - | |
| Conical So Konische Ve | ocket with inte rgusshülse mi | rnal Thre t Inneng | ead Type ewinde | e 800 Typ 800 | | | Annex D3 Anhang D3 |

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| | Size | ds | D | Mi | L | |
|-----------|-----------------------------|-----------------------|------------|--------------------|------------|-----------------------|
| | Größe | mm | mm | mm | mm | |
| | PV 40 | 21 | 80 | 42 x 3 | 165 | - |
| | PV 60 | 26 | 95 | 52 x 3 | 200 | |
| | PV 90 | 31 | 110 | 64 x 4 | 235 | |
| | PV 115 | 35 | 125 | 75 x 4 | 270 | |
| | PV 150 | 40 | 125 | 75 x 4 | 270 | |
| | PV 195 | 45 | 140 | 85 x 4 | 305 | - |
| | PV 240 | 50 | 155 | 95 x 4 | 350 | - |
| | PV 300 | 55 | 170 | 108 x 4 | 385 | - |
| | PV 360 PV 420 | 65 | 205 | 118 x 4 | 420 | - |
| | PV 490 | 70 | 203 | 140 x 4 | 495 | - |
| | PV 560 | 75 | 235 | 150 x 4 | 530 | |
| | PV 640 | 80 | 250 | 160 x 4 | 565 |] |
| | PV 720 | 85 | 265 | 172 x 4 | 600 | |
| | PV 810 | 90 | 280 | 185 x 6 | 645 | 4 |
| | PV 910 | 95 | 295 | 195 x 6 | 680 715 | { |
| | PV 1010 | 105 | 330 | 205 X 0 215 X 6 | 760 | |
| | PV 1220 | 110 | 345 | 225 x 6 | 800 | 1 1 |
| | PV 1340 | 115 | 360 | 235 x 6 | 840 |] [|
| | PV 1450 | 120 | 380 | 245 x 6 | 880 | 1 |
| | PV 1580 | 125 | 395 | 260 x 6 | 920 | 4 |
| | PV 1730 | 130 | 410 | 270 x 6 | 960 | { |
| | PV 2000 | 135 | 420 | 290 x 6 | 1040 | |
| | PV2150 | 145 | 460 | 300 x 6 | 1070 | 1 1 |
| | PV2300 | 150 | 475 | 310 x 6 | 1100 | 1 1 |
| | PV2450 | 155 | 490 | 325 x 6 | 1125 |] [|
| | PV2600 | 160 | 510 | 335 x 6 | 1160 | |
| | PFEIFER – V PFEIFER – Se | Vire Rop il-Zuggli | es eder | | | |
| Cylindric | al Socket with Int | ernal Th | nread Ty | pe 801 | | Annex D4 Anhang D4 |

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| | Ca | | | | | | ±Verstellweg/take up | | | | | |
|---|---|--|---|--|---|---|--|---|---|--|--|--|
| | | | | | | | | | d ₈ | = Bolzendur | chmesser / | pin diameter |
| | | | | | | | | | dB | = Bolzendur | chmesser / | pin diameter |
| Size Größe | ds | A | В | В2 | ВЗ | dB | F | М | d _e tL min | = Bolzendur | chmesser / | pin diameter |
| Size Größe | ds mm 21 | A mm 155 | B mm 30 | B2 mm | B3 mm 80 | dB mm 39 | F | M | d _B tL min mm | L1 | L 330 | pin diameter take up Verstellweg mm |
| Size Größe PV 40 PV 60 | ds mm 21 26 | A mm 155 190 | B mm 30 40 | B2 mm 155 190 | B3 mm 80 90 | dB mm 39 44 | F mm 67 75 | M mm 20 27 | d₀ tL min mm 15 20 | E Bolzendur L1 mm 525 579 | L 330 375 | pin diameter take up Verstellweg mm ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 | ds mm 21 26 31 | A mm 155 190 220 | B mm 30 40 50 | B2 mm 155 190 220 | B3 mm 80 90 110 | dB mm 39 44 54 | F mm 67 75 91 | M mm 20 27 30 | d ₈ tL min 15 20 25 | E Bolzendur L1 <u>mm</u> 525 579 624 | L mm 330 375 415 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 | ds mm 21 26 31 35 40 | A mm 155 190 220 260 | B mm 30 40 50 70 | B2 mm 155 190 220 260 | B3 mm 80 90 110 130 | dB mm 39 44 54 67 67 | F mm 67 75 91 112 | M mm 20 27 30 42 42 | d ₈ tL min 15 20 25 35 35 | E Bolzendur L1 <u>mm</u> 525 579 624 725 725 | L MM 330 375 415 495 495 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 +150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 | ds mm 21 26 31 35 40 45 | A mm 155 190 220 260 260 290 | B 30 40 50 70 70 70 70 | B2 mm 155 190 220 260 260 290 | B3 mm 80 90 110 130 130 150 | dB mm 39 44 54 67 67 75 | F mm 67 75 91 112 112 125 | M mm 20 27 30 42 42 42 48 | d₀ tL min mm 15 20 25 35 35 35 35 | E Bolzendur L1 mm 525 579 624 725 725 781 | L 330 375 415 495 540 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 195 PV 240 | ds mm 21 26 31 35 40 45 50 | A mm 155 190 220 260 260 290 325 | B mm 30 40 50 70 70 70 70 80 | B2 mm 155 190 220 260 260 290 325 | B3 mm 80 90 110 130 130 150 160 | dB mm 39 44 54 67 67 67 75 83 | F mm 67 75 91 112 112 125 138 | M mm 20 27 30 42 42 42 48 52 | d ₈ tL min 15 20 25 35 35 35 35 40 | = Bolzendur L1 <u>mm</u> 525 579 624 725 725 781 825 | L B 330 375 415 495 540 575 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 200 | ds mm 21 26 31 35 40 45 50 55 | A mm 155 190 220 260 260 290 325 350 290 | B mm 30 40 50 70 70 70 70 80 80 80 | B2 mm 155 190 220 260 260 290 325 350 220 | B3 mm 80 90 110 130 130 150 160 180 | dB mm 39 44 54 67 67 67 75 83 93 | F mm 67 75 91 112 112 112 125 138 154 | M mm 20 27 30 42 42 42 48 52 56 | d ₈ tL min 15 20 25 35 35 35 35 35 40 40 | E Bolzendur L1 mm 525 579 624 725 725 725 781 825 981 | L mm 330 375 415 495 540 575 670 715 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 240 PV 300 PV 360 PV 420 | ds mm 21 26 31 35 40 45 55 55 60 65 | A mm 155 190 220 260 260 290 325 350 380 420 | B mm 30 40 50 70 70 70 70 80 80 80 90 100 | B2 mm 155 190 220 260 260 290 325 350 380 420 | B3 mm 80 90 110 130 130 150 160 180 200 220 | dB mm 39 44 54 67 67 75 83 93 106 115 | F mm 67 75 91 112 112 125 138 154 154 174 189 | M mm 20 27 30 42 42 42 42 42 56 60 60 68 × 6 | d ₈ tL min 15 20 25 35 35 35 35 35 40 40 40 40 50 | E Bolzendur L1 mm 525 579 624 725 725 725 781 825 981 1035 1093 | L mm 330 375 415 495 540 540 575 670 715 760 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 360 PV 420 PV 490 | ds mm 21 26 31 35 40 45 55 60 65 70 | A mm 155 190 220 260 260 290 325 350 380 420 450 | B mm 30 40 50 70 70 70 70 80 80 80 90 100 110 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 | dB mm 39 44 54 67 67 75 83 93 106 115 124 | F mm 67 75 91 112 112 125 138 154 154 174 189 203 | M 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 | d ₈ tL min 15 20 25 35 35 35 35 35 40 40 40 45 50 55 | E Bolzendur L1 <u>mm</u> 525 579 624 725 725 781 825 981 1035 1093 1147 | L mm 330 375 495 540 575 670 715 760 805 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 360 PV 420 PV 490 PV 560 | ds mm 21 26 31 35 40 45 50 55 60 65 70 75 | A mm 155 190 220 260 260 290 325 350 380 420 450 480 | B mm 30 40 50 70 70 70 70 80 80 80 90 100 110 110 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 480 | B3 mm 80 90 110 130 150 160 180 200 220 240 250 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 | F mm 67 75 91 112 125 138 154 174 189 203 218 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 | d ₈ tL min mm 15 20 25 35 35 35 35 35 35 35 35 35 35 35 35 35 | = Bolzendur L1 mm 525 579 624 725 725 781 825 981 1035 1093 1147 1187 | L mm 330 375 415 495 540 575 670 715 760 805 845 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 360 PV 420 PV 490 PV 560 PV 60 PV 60 PV 60 PV 60 PV 60 PV 490 PV 560 PV 60 PV 60 PV 60 PV 90 PV 90 P | ds mm 21 26 31 35 40 45 50 55 60 65 70 75 80 | A mm 155 190 220 260 260 290 325 350 380 420 450 480 510 | B mm 30 40 50 70 70 70 70 80 80 80 90 100 110 110 110 120 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 480 510 | B3 mm 80 90 110 130 150 160 180 200 220 240 250 280 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 | F mm 67 75 91 112 125 138 154 174 189 203 218 232,5 247 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 80 × 6 | d ₈ tL min 15 20 25 35 35 35 35 35 35 35 35 35 35 35 35 35 | = Bolzendur L1 mm 525 579 624 725 725 781 825 981 1035 1093 1147 1187 1342 4000 | L mm 330 375 415 495 495 540 575 670 715 760 805 845 940 920 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 420 PV 420 PV 490 PV 560 PV 640 PV 640 PV 720 PV 810 | ds mm 21 26 31 35 40 45 55 60 65 55 60 65 70 75 80 85 90 | A mm 155 190 220 260 260 290 325 350 325 350 380 420 450 480 510 550 580 | B mm 30 40 50 70 70 70 70 70 80 80 80 90 100 110 110 110 120 120 130 | B2 mm 155 190 220 260 290 325 350 380 420 450 480 510 550 580 | B3 mm 80 90 110 130 150 160 180 200 220 240 250 240 250 280 300 320 | dB mm 39 44 54 67 67 67 75 83 93 106 115 124 133 142 133 142 151 168 | F mm 67 75 91 112 112 125 138 154 174 189 203 218 232,5 247 273 5 | M 20 27 30 42 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 80 × 6 85 × 6 90 × 6 | d ₈ tL min 15 20 25 35 35 35 35 35 35 35 35 35 35 35 35 35 | = Bolzendur L1 mm 525 579 624 725 725 781 825 981 1035 1093 1147 1187 1389 1437 | L mm 330 375 415 495 540 575 670 715 760 805 845 940 980 1020 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±250 ±250 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 240 PV 360 PV 360 PV 420 PV 420 PV 490 PV 560 PV 640 PV 720 PV 810 PV 910 | ds mm 21 26 31 35 40 45 55 60 65 55 60 65 70 75 80 85 90 95 | A mm 155 190 220 260 260 290 325 350 380 420 450 480 510 550 580 630 | B mm 30 40 50 70 70 70 70 80 80 80 90 100 110 110 110 120 120 130 140 | B2 mm 155 190 220 260 260 290 325 350 325 350 380 420 450 480 510 550 580 630 | B3 mm 80 90 110 130 130 130 150 160 180 200 220 240 220 220 240 2250 280 300 320 340 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 151 168 179 | F mm 67 75 91 112 125 138 154 154 154 154 154 154 154 154 154 154 | M 20 27 30 42 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 85 × 6 90 × 6 100 × 6 | ds tL min 15 20 25 35 35 35 35 35 35 40 40 40 45 55 55 55 55 60 60 60 65 70 | E Bolzendur L1 mm 525 579 624 725 781 825 981 1035 1093 1147 1187 1342 1389 1437 | L mm 330 375 415 495 540 540 540 540 540 540 540 540 540 54 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±250 ±250 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 360 PV 420 PV 420 PV 490 PV 560 PV 640 PV 720 PV 810 PV 910 PV 1010 | ds mm 21 26 31 35 40 45 55 60 65 55 60 65 70 75 80 85 90 95 100 | A mm 155 190 220 260 290 325 350 380 420 450 480 510 550 580 630 650 | B mm 30 40 50 70 70 70 80 80 90 100 110 110 110 120 120 130 140 150 | B2 mm 155 190 220 260 290 325 350 380 420 450 480 510 550 580 630 650 | B3 mm 80 90 110 130 150 160 180 200 220 240 250 280 300 320 340 350 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 151 168 179 188 | F mm 67 75 91 112 125 138 154 174 189 203 218 232,5 247 273,5 291 305,5 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 85 × 6 90 × 6 100 × 6 105 × 6 | d ₈ tL min 20 25 35 35 35 35 35 35 35 35 35 35 35 35 35 | = Bolzendur L1 mm 525 579 624 725 781 825 981 1035 1093 1147 1187 1342 1389 1437 1514 1566 | L mm 330 375 415 495 540 575 670 715 760 805 845 940 980 1020 1075 1120 | pin diameter take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±2 |

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| C | | | | | | | | | | | r (| A () () () () () () () () () () | diameter |
|---|---|---|--|--|---|---|---|---|---|--|---|--|--|
| | | | | | | | | | | | | | |
| Size Größe | ds | A | В | B1 | B2 | ВЗ | dB | м | L1 | F | tL | L | take up Verstellweg |
| Size Größe | ds mm | A mm | B mm | B1 mm 30 | B2 mm | B3 mm | dB mm 30 | M mm 20 | L1 mm | F | tL mm | L | take up Verstellweg mm |
| Size Größe PV 40 PV 60 | ds mm 21 26 | A mm 94 110 | B mm 65 75 | B1 mm 30 40 | B2 mm 155 190 | B3 mm 80 90 | dB mm 39 44 | M mm 20 27 | L1 mm 525 579 | F mm 61 71 | tL mm 60 70 | L mm 330 375 | take up Verstellweg mm ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 | ds mm 21 26 31 | A mm 94 110 127 | B mm 65 75 85 | B1 mm 30 40 50 | B2 mm 155 190 220 | B3 mm 80 90 110 | dB mm 39 44 54 | M mm 20 27 30 | L1 mm 525 579 624 | F mm 61 71 83,5 | tL mm 60 70 80 | L mm 330 375 415 | take up Verstellweg mm ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 | ds mm 21 26 31 35 (c) | A mm 94 110 127 148 | B mm 65 75 85 95 | B1 mm 30 40 50 70 | B2 mm 155 190 220 260 | B3 mm 80 90 110 130 | dB mm 39 44 54 67 | M mm 20 27 30 42 | L1 mm 525 579 624 725 705 | F mm 61 71 83,5 96 | tL mm 60 70 80 90 | L mm 330 375 415 495 | take up Verstellweg mm ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 | ds mm 21 26 31 35 40 45 | A mm 94 110 127 148 148 165 | B mm 65 75 85 95 95 95 | B1 mm 30 40 50 70 70 70 | B2 mm 155 190 220 260 260 260 | B3 mm 80 90 110 130 130 | dB mm 39 44 54 67 67 67 75 | M mm 20 27 30 42 42 48 | L1 mm 525 579 624 725 725 781 | F mm 61 71 83,5 96 96 107 5 | tL mm 60 70 80 90 90 115 | L mm 330 375 415 495 495 540 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 | ds mm 21 26 31 35 40 45 50 | A mm 94 110 127 148 148 165 200 | B mm 65 75 85 95 95 95 120 130 | B1 mm 30 40 50 70 70 70 70 80 | B2 mm 155 190 220 260 260 260 290 325 | B3 mm 80 90 110 130 130 150 160 | dB mm 39 44 54 67 67 75 83 | M mm 20 27 30 42 42 42 48 52 | L1 mm 525 579 624 725 725 725 781 825 | F mm 61 71 83,5 96 96 107,5 128 | tL mm 60 70 80 90 90 115 125 | L mm 330 375 415 495 495 495 540 575 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 | ds mm 21 26 31 35 40 45 50 55 | A mm 94 110 127 148 148 165 200 215 | B mm 65 75 85 95 95 95 95 120 130 150 | B1 mm 30 40 50 70 70 70 70 80 80 | B2 mm 155 190 220 260 260 290 325 350 | B3 mm 80 90 110 130 130 150 160 180 | dB mm 39 44 54 67 67 75 83 93 | M mm 20 27 30 42 42 48 52 56 | L1 mm 525 579 624 725 725 725 781 825 981 | F mm 61 71 83,5 96 96 107,5 128 136,5 | tL mm 60 70 80 90 90 115 125 145 | L mm 330 375 415 495 495 540 575 670 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 195 PV 240 PV 300 PV 360 | ds mm 21 26 31 35 40 45 50 55 55 60 | A mm 94 110 127 148 148 165 200 215 235 | B mm 65 75 85 95 95 95 95 120 130 150 160 | B1 mm 30 40 50 70 70 70 70 80 80 80 90 | B2 mm 155 190 220 260 260 290 325 350 380 | B3 mm 80 90 110 130 130 150 160 180 200 | dB mm 39 44 54 67 67 75 83 93 106 | M 20 27 30 42 42 48 52 56 60 | L1 mm 525 579 624 725 725 781 825 981 1035 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 | tL mm 60 70 80 90 90 115 125 145 155 | L mm 330 375 415 495 495 540 575 670 715 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 195 PV 240 PV 300 PV 300 PV 300 PV 400 | ds mm 21 26 31 35 40 45 50 55 55 60 65 70 | A 994 110 127 148 148 165 200 215 235 250 255 250 | B mm 65 75 85 95 95 95 95 120 130 150 160 175 | B1 mm 30 40 50 70 70 70 70 80 80 80 90 100 | B2 mm 155 190 220 260 260 290 325 350 380 420 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 | dB mm 39 44 54 67 67 75 83 93 106 115 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 | L1 mm 525 579 624 725 725 781 825 981 1035 1035 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 150 | tL mm 60 70 80 90 90 115 125 145 155 170 | L mm 3300 375 415 495 540 575 670 715 760 715 760 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±150 ±1200 ±200 ±200 |
| Size Größe PV 40 PV 60 PV 90 PV 115 PV 150 PV 150 PV 150 PV 240 PV 300 PV 360 PV 420 PV 420 PV 420 PV 560 | ds mm 21 26 31 35 40 45 50 55 60 65 60 65 70 75 | A mm 94 110 127 148 148 165 200 215 235 250 225 2250 270 290 | B mm 65 75 85 95 95 95 120 130 150 150 150 150 150 210 | B1 mm 30 40 50 70 70 70 70 80 80 90 100 110 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 480 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 250 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 | L1 mm 525 579 624 725 781 825 981 1035 1033 1047 1187 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 175 190 | tL mm 60 70 80 90 90 115 125 145 155 170 175 205 | L mm 3300 375 415 495 540 575 670 715 760 805 845 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±1200 ±200 ±200 ±200 ±200 |
| Size Größe PV 40 PV 90 PV 115 PV 150 PV 150 PV 240 PV 300 PV 360 PV 420 PV 420 PV 490 PV 490 PV 490 PV 490 PV 490 PV 490 | ds mm 21 26 31 35 40 45 50 55 60 65 60 65 70 75 80 | A mm 94 110 127 148 148 165 200 215 235 250 270 270 290 310 | B mm 65 75 85 95 95 95 120 130 150 160 175 180 210 230 | B1 mm 30 40 50 70 70 70 80 80 90 100 110 110 110 120 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 450 510 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 2240 250 280 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 | M mm 20 27 30 42 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 | L1 mm 525 579 624 725 781 825 981 1035 1035 1033 11147 1187 1342 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 175 190 201 | tL mm 60 70 80 90 90 115 125 145 155 170 175 205 225 | L mm 330 375 415 495 540 575 670 715 760 805 845 940 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 |
| Size Größe PV 40 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 420 PV 40 PV | ds mm 21 26 31 35 40 45 50 55 55 60 65 70 75 80 85 | A mm 94 110 127 148 148 165 200 215 235 250 270 290 310 330 | B mm 65 75 85 95 95 120 130 150 160 175 180 210 230 255 | B1 mm 30 40 50 70 70 70 80 80 90 100 110 110 110 120 120 | B2 mm 155 190 220 260 290 325 350 380 420 450 450 480 510 550 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 2250 280 300 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 151 | M mm 20 27 30 42 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 85 × 6 | L1 mm 525 579 624 725 781 825 981 1035 1035 1035 1035 11147 1187 1342 1389 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 175 150 163 175 190 201 215 | tL mm 60 70 80 90 90 115 125 145 155 170 175 225 225 250 | L mm 330 375 415 495 540 575 670 575 670 715 760 805 845 940 980 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±250 |
| Size Größe PV 40 PV 90 PV 115 PV 150 PV 195 PV 240 PV 300 PV 300 PV 420 PV 40 PV 40 P | ds mm 21 26 31 35 40 45 50 55 55 60 65 70 65 70 75 80 85 85 90 | A mm 94 110 127 148 148 165 200 215 235 250 270 290 310 330 365 | B mm 65 75 85 95 95 120 130 150 160 175 180 210 230 255 270 | B1 mm 30 40 50 70 70 70 80 80 90 100 110 110 110 120 120 130 | B2 mm 155 190 220 260 290 325 350 380 420 450 480 510 550 580 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 250 280 300 320 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 151 168 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 85 × 6 90 × 6 | L1 mm 525 579 624 725 781 825 981 1035 1093 1035 1035 1147 1187 1342 1389 1437 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 175 150 163 175 190 201 215 240 | tL mm 60 70 80 90 90 115 125 145 155 175 175 205 225 225 225 225 225 225 225 | L mm 330 375 415 495 540 575 670 575 670 715 760 805 845 940 980 1020 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±250 ±250 |
| Size Größe PV 40 PV 60 PV 115 PV 155 PV 155 PV 240 PV 300 PV 300 PV 360 PV 420 PV 420 PV 490 PV 560 PV 560 PV 560 PV 720 PV 640 PV 720 PV 810 PV 910 PV 1010 | ds mm 21 26 31 35 40 45 50 55 55 60 65 70 75 80 85 80 85 90 95 100 | A mm 94 110 127 148 148 165 200 215 235 250 270 235 250 270 310 330 3365 3385 405 | B mm 65 75 95 95 95 95 120 130 150 150 150 150 150 150 210 230 2255 270 285 290 | B1 mm 30 50 70 70 70 70 80 80 90 100 110 110 110 110 120 120 130 140 150 | B2 mm 155 190 220 260 260 290 325 350 380 420 450 450 450 550 580 630 650 | B3 mm 80 90 110 130 130 150 160 180 200 220 240 220 240 250 280 300 320 340 350 | dB mm 39 44 54 67 67 75 83 93 106 115 124 133 142 151 168 179 188 | M mm 20 27 30 42 42 48 52 56 60 68 × 6 72 × 6 76 × 6 80 × 6 85 × 6 90 × 6 100 × 6 105 × 6 | L1 mm 525 579 624 725 781 825 981 1035 1033 1033 1147 1187 1342 1389 1437 1514 1566 | F mm 61 71 83,5 96 96 107,5 128 136,5 150 163 175 190 201 215 240 250 265 | tL mm 60 70 80 90 90 115 125 145 155 170 175 205 225 225 225 225 225 225 225 225 22 | L mm 330 375 415 495 540 575 670 715 760 805 845 940 980 1020 1075 1120 | take up Verstellweg mm ±150 ±150 ±150 ±150 ±150 ±150 ±1200 ±200 ±200 ±200 ±200 ±200 ±200 ±200 ±250 ±250 ±250 ±250 |

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English translation prepared by DIBt



| | Size | de | Mi | Ma | 1 | |
|--|----------------------------|-----------------------|---------------------|----------------------|------------------|-----------|
| | Größe | | 1711 | IVIEL | L | |
| | PV 40 | 21 | 42 x 3 | 70 x 4 | 165 | |
| | PV 60 | 26 | 52 x 3 | 85 x 4 | 200 | |
| | PV 90 | 31 | 64 x 4 | 100 x 4 | 235 | |
| | PV 115 | 35 | 75 x 4 | 115 x 6 | 270 | |
| | PV 150 PV 195 | 40 | 75 x 4 85 x 4 | 115 X 6 | 305 | |
| | PV 240 | 50 | 95 x 4 | 145 x 6 | 350 | |
| | PV 300 | 55 | 108 x 4 | 160 x 6 | 385 | |
| | PV 360 | 60 | 118 x 4 | 175 x 6 | 420 | |
| | PV 420 | 65 70 | 128 x 4 | 195 x 6 | 460 | |
| | PV 490 PV 560 | 70 | 140 x 4 | 210 x 8 | 530 | |
| | PV 640 | 80 | 160 x 4 | 240 x 8 | 565 | |
| | PV 720 | 85 | 172 x 4 | 255 x 8 | 600 | |
| | PV 810 | 90 | 185 x 6 | 270 x 8 | 645 | |
| | PV 1010 | 95 100 | 205 x 6 | 205 X 8 300 X 8 | 715 | 1 |
| | PV 1110 | 105 | 215 x 6 | 320 x 8 | 760 |] |
| | PV 1220 | 110 | 225 x 6 | 335 x 8 | 800 | |
| | PV 1340 | 115 | 235 x 6 | 350 x 8 | 840 | |
| | PV 1450 PV 1580 | 120 | 245 X 6 | 370 x 8 385 x 10 | 920 | 1 |
| | PV 1730 | 130 | 270 x 6 | 400 x 10 | 960 | |
| | PV 1860 | 135 | 280 x 6 | 415 x 10 | 1000 | |
| | PV 2000 | 140 | 290 x 6 | 430 x 10 | 1040 | |
| | PV2150 PV2300 | 145 | 300 x 6 | 450 x 10 | 1070 | |
| | PV2450 | 155 | 325 x 6 | 480 x 10 | 1125 | 1 |
| | PV2600 | 160 | 335 x 6 | 500 x 10 | 1160 |] |
| PF PFE | EIFER – V IFER – Se | Vire Rop il-Zuggli | es eder | | | Anney D7 |
| Cylindrical Socket with Zylindrische Vergusshül | n Internal a se mit Inn | and Exte | rnal Thr Außenge | ead Type ewinde T | e 810 Typ 810 | Anhang D7 |

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| | Size | ds | D | L | |
|--------------------------|--------------------------|----------------------------------|----------|------------|-----------|
| | Größe | mm | mm | mm | |
| | PV 40 | 21 | 80 | 108 | |
| | PV 60 | 26 | 95 | 133 | |
| | PV 90 | 31 | 110 | 158 | |
| | PV 115 | 35 | 125 | 183 | |
| | PV 150 PV 195 | 40 | 125 | 183 208 | |
| | PV 240 | 50 | 155 | 237 | |
| | PV 300 | 55 | 170 | 262 | |
| | PV 360 | 60 | 185 | 287 | |
| | PV 420 | 65 | 205 | 312 | |
| | PV 490 PV 560 | 70 | 220 | 337 | |
| | PV 640 | 80 | 250 | 387 | |
| | PV 720 | 85 | 265 | 412 | |
| | PV 810 | 90 | 280 | 441 | |
| | PV 910 | 95 | 295 | 466 491 | |
| | PV 1110 | 105 | 330 | 516 | |
| | PV 1220 | 110 | 345 | 541 | |
| | PV 1340 | 115 | 360 | 566 | |
| | PV 1450 PV 1580 | 120 | 380 | 591 616 | |
| | PV 1730 | 130 | 410 | 645 | |
| | PV 1860 | 135 | 425 | 670 | |
| | PV 2000 | 140 | 440 | 695 | |
| | PV2150 | 145 | 475 | 745 | |
| | PV2450 | 155 | 490 | 770 | |
| | PV2600 | 160 | 510 | 800 | |
| PFEIF | ER – Wire R – Seil-Zu | Ropes ugglieder | | | Annex D8 |
| Cylindri Zylindrische | cal Socket e Vergussh | Type 81 [.] ülse Typ | 1 811 | | Anhang D8 |

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English translation prepared by DIBt

Г



| | Size | ds | Ma | 1 | |
|---|----------------------------|---------------------|-----------------------|-------------|-----------|
| | Größe | | mm | L mm | |
| | PV 40 | 21 | 70 x 4 | 108 | |
| | PV 60 | 26 | 85 x 4 | 133 | |
| | PV 90 | 31 | 100 x 4 | 158 | |
| | PV 115 PV 150 | 35 40 | 115 x 6 | 183 | |
| | PV 195 | 45 | 130 x 6 | 208 | |
| | PV 240 | 50 | 145 x 6 | 237 | |
| | PV 300 | 55 | 160 x 6 | 262 | |
| | PV 360 PV 420 | 60 | 1/5×6 | 312 | |
| | PV 490 | 70 | 210 x 8 | 337 | |
| | PV 560 | 75 | 225 x 8 | 362 | |
| | PV 640 | 80 | 240 x 8 | 387 | |
| | PV 720 PV 810 | 90 | 200 x 8 270 x 8 | 412 | |
| | PV 910 | 95 | 285 x 8 | 466 | |
| | PV 1010 | 100 | 300 x 8 | 491 | |
| | PV 1110 PV 1220 | 105 | 320 x 8 335 x 8 | 516 541 | |
| | PV 1340 | 115 | 350 x 8 | 566 | |
| | PV 1450 | 120 | 370 x 8 | 591 | |
| | PV 1580 | 125 | 385 x 10 | 616 | |
| | PV 1860 | 135 | 415 x 10 | 670 | |
| | PV 2000 | 140 | 430 x 10 | 695 | |
| | PV2150 | 145 | 450 x 10 | 720 | |
| | PV2300 | 150 | 465 x 10 | 745 | |
| | PV2600 | 160 | 500 x 10 | 800 | |
| PFEIF | ER – Wire | Ropes | | | |
| PFEIFE | R – Seil-Zı | iggliede | r | | Annex D9 |
| Cylindrical Socket v Zylindrische Vergussh | with Extern nülse mit A | al Threa ußengev | d Type 8 winde Typ | 12 0 812 | Annang D9 |

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| | Size | ds | DS | DM | Ma | S | L | L1 | |
|------|----------------------------|--------------------------|------------------------|--------------------|------------------------|-----------------|----------|-----|-------------------------|
| | Grobe | mm | mm | mm | mm | mm | mm | mm | |
| | PV 40 | 21 | 120 | 105 | 70 x 4 | 25 | 58 | 42 | |
| | PV 60 | 26 | 140 | 125 | 85 x 4 | 25 | 66 | 52 | |
| | PV 90 | 31 | 165 | 150 | 100 x 4 | 35 | 82 | 60 | |
| | PV 150 | 40 | 190 | 170 | 115 x 6 | 35 | 89 89 | 69 | |
| | PV 195 | 45 | 215 | 195 | 130 x 6 | 45 | 106 | 79 | |
| | PV 240 | 50 | 235 | 215 | 145 x 6 | 45 | 113 | 87 | |
| | PV 300 | 55 | 260 | 240 | 160 x 6 | 55 | 130 | 97 | |
| | PV 360 | 60 | 280 | 260 | 175 x 6 | 55 65 | 137 | 105 | |
| | PV 420 | 70 | 335 | 315 | 210 x 8 | 65 | 163 | 126 | |
| | PV 560 | 75 | 355 | 335 | 225 x 8 | 75 | 180 | 135 | |
| | PV 640 | 80 | 380 | 360 | 240 x 8 | 75 | 187 | 144 | |
| | PV 720 | 85 | 405 | 380 | 255 x 8 | 85 | 204 | 153 | |
| | PV 810 PV 910 | 90 | 430 | 405 | 270 x 8 285 x 8 | <u>85</u> 95 | 211 | 162 | |
| | PV 1010 | 100 | 475 | 450 | 300 x 8 | 95 | 235 | 180 | |
| | PV 1110 | 105 | 505 | 480 | 320 x 8 | 105 | 253 | 192 | |
| | PV 1220 | 110 | 525 | 500 | 335 x 8 | 105 | 264 | 201 | |
| | PV 1340 PV 1450 | 115 | 550 | 525 | 350 x 8 | 115 | 278 | 210 | |
| | PV 1580 | 125 | 600 | 575 | 385 x 10 | 125 | 306 | 231 | |
| | PV 1730 | 130 | 630 | 600 | 400 x 10 | 125 | 312 | 240 | |
| | PV 1860 | 135 | 650 | 620 | 415 x 10 | 135 | 329 | 249 | |
| | PV 2000 | 140 | 675 705 | 645 675 | 430 x 10 | 135 | 334 | 258 | |
| | PV2300 | 150 | 725 | 695 | 465 x 10 | 145 | 359 | 279 | |
| | PV2450 | 155 | 750 | 720 | 480 x 10 | 155 | 378 | 288 | |
| | PV2600 | 160 | 780 | 750 | 500 x 10 | 155 | 387 | 300 | |
| | PI | PFEIFER =EIFER – | – Wire F Seil-Zug | Ropes gglieder | | | | | |
| Sphä | Spherical N Irische Mut | lut / Sphe ter / Sphä | rical Dis Irische S | c Type 8 cheibe | 313 / 814 Typ 813 / | 814 | | | Annex D10 Anhang D10 |

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| 0 | | |) | | | | | Verstellweg/ take up | | |
|---|------------------|-----|----------|-----------|-------------------|------------|------|----------------------|-------------|---|
| | Size | de | DS | DM | Ma | | 11 | 12 | take up |] |
| | Größe | us | | Divi | IVIA | L | | | Verstellweg | |
| | DV 40 | mm | 75 | mm | mm 40 x 2 | mm | mm | 165 | ± mm | 4 |
| | PV 40 PV 60 | 21 | 75 95 | 90 | 42 x 3 | 449 527 | 730 | 200 | 100 | - |
| | PV 90 | 31 | 115 | 110 | 64 x 4 | 615 | 839 | 235 | 100 | 1 |
| | PV 115 | 35 | 135 | 125 | 75 x 4 | 695 | 943 | 270 | 101 |] |
| | PV 150 | 40 | 135 | 125 | 75 x 4 | 695 | 943 | 270 | 101 | |
| | PV 195 | 45 | 155 | 140 | 85 x 4 | 772 | 1042 | 305 | 102 | - |
| | PV 240 PV 300 | 50 | 170 | 160 | 95 x 4 108 x 4 | 950 | 1142 | 350 | 103 | - |
| | PV 360 | 60 | 215 | 200 | 118 x 4 | 1028 | 1352 | 420 | 100 | 4 |
| | PV 420 | 65 | 230 | 215 | 128 x 4 | 1111 | 1455 | 460 | 106 | |
| | PV 490 | 70 | 250 | 230 | 140 x 4 | 1196 | 1566 | 495 | 107 | |
| | PV 560 | 75 | 270 | 250 | 150 x 4 | 1275 | 1655 | 530 | 109 | - |
| | PV 640 PV 720 | 80 | 310 | 265 | 160 x 4 | 1352 | 1/68 | 565 600 | 110 | - |
| | PV 810 | 90 | 335 | 305 | 185 x 6 | 1546 | 1996 | 645 | 114 | 1 |
| | PV 910 | 95 | 350 | 320 | 195 x 6 | 1624 | 2088 | 680 | 116 |] |
| | PV 1010 | 100 | 370 | 340 | 205 x 6 | 1703 | 2192 | 715 | 117 | |
| | PV 1110 | 105 | 385 | 355 | 215 x 6 | 1791 | 2294 | 760 | 119 | 4 |
| | PV 1220 | 115 | 403 | 385 | 235 x 6 | 1957 | 2501 | 840 | 123 | 1 |
| | PV 1450 | 120 | 440 | 405 | 245 x 6 | 2041 | 2599 | 880 | 125 |] |
| | PV 1580 | 125 | 470 | 430 | 260 x 6 | 2148 | 2749 | 920 | 129 | 4 |
| | PV 1730 | 130 | 485 | 445 | 270 x 6 | 2231 | 2848 | 960 | 131 | - |
| | PV 1860 | 135 | 505 | 460 | 280 x 6 | 2315 | 2958 | 1000 | 134 | { |
| | PV2150 | 145 | 540 | 495 | 300 x 6 | 2470 | 3156 | 1070 | 140 | 1 |
| | PV2300 | 150 | 560 | 510 | 310 x 6 | 2550 | 3245 | 1100 | 145 |] |
| | PV2450 | 155 | 580 | 535 | 325 x 6 | 2645 | 3375 | 1125 | 152 | 4 |
| | PV2600 | 160 | 600 | 550 | 335 x 6 | 2730 | 3469 | 1160 | 157 |] |
| | | | | | | | | | | |

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| Size Größe | ds | A | В | Dmax | DL | E | F | ~Lv | | |
|----------------|---|--|--|------------------------|----|----------|----------|------------|-----------------------|--|
| PG 5 | 8,1 | 32 | 10 | 16 | 13 | 24 | 20 | 120 | | |
| PG 10 | 10,1 | 40 | 12 | 20 | 16 | 29 | 24 | 145 | | |
| PG 15 PG 20 | 14,1 | 50 | 18 | 30 | 20 | 41 | 35 | 204 | | |
| PG 25 | 17,0 | 67 80 | 20 | 34 | 27 | 48 | 41 | 245 | | |
| PG 55 | 24,4 | 96 | 25 | 49 | 35 | 66 | 57 | 338 | | |
| PG 75 | 28,3 | 110 | 30 | 57 64 | 42 | 77 84 | 67 71 | 392 437 | | |
| PG 125 | 36,3 | 142 | 45 | 71 | 57 | 102 | 86 | 515 | | |
| C | PFEI PFEIFI Closed S ^v Ös | FER – V ER – Se waged F enfitting | Vire Rop il-Zuggli Fitting Ty Typ 982 | oes eder vpe 982 | | | | | Annex E2 Anhang E2 | |
| | Os | enfitting | Тур 982 | 2 | | | | | | |

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| | | | | ds. | | <dmax< th=""><th></th></dmax<> | |
|---|---|--|---|--|---|--------------------------------|--|
| Size | ds | Dmax | м | La | ~Lv | | |
| 0120 | | mm | mm | mm | mm | | |
| Größe | mm | | | 1 | 140 | | |
| Größe | mm 8,1 | 16 | 14 | 56 | 140 | | |
| Größe PG 5 PG 10 | mm 8,1 10,1 | 16 20 | 14 16 | 56 64 | 140 | | |
| Größe PG 5 PG 10 PG 15 PG 20 | mm 8,1 10,1 12,2 14 1 | 16 20 25 30 | 14 16 20 24 | 56 64 80 96 | 140 167 205 242 | | |
| Größe PG 5 PG 10 PG 15 PG 20 PG 25 | mm 8,1 10,1 12,2 14,1 17,0 | 16 20 25 30 34 | 14 16 20 24 27 | 56 64 80 96 108 | 140 167 205 242 283 | | |
| Größe PG 5 PG 10 PG 15 PG 20 PG 25 PG 40 | mm 8,1 10,1 12,2 14,1 17,0 20,1 | 16 20 25 30 34 40 | 14 16 20 24 27 30 | 56 64 80 96 108 120 | 140 167 205 242 283 325 | | |
| Größe PG 5 PG 10 PG 15 PG 20 PG 25 PG 40 PG 55 | mm 8,1 10,1 12,2 14,1 17,0 20,1 24,4 | 16 20 25 30 34 40 49 | 14 16 20 24 27 30 36 | 56 64 80 96 108 120 144 | 140 167 205 242 283 325 392 | | |
| Größe PG 5 PG 10 PG 15 PG 20 PG 25 PG 40 PG 55 PG 75 PG 90 | mm 8,1 10,1 12,2 14,1 17,0 20,1 24,4 28,3 31.3 | 16 20 25 30 34 40 49 57 64 | 14 16 20 24 27 30 36 42 48 | 56 64 80 96 108 120 144 168 192 | 140 167 205 242 283 325 392 456 511 | | |
| Größe PG 5 PG 10 PG 15 PG 20 PG 25 PG 40 PG 55 PG 75 PG 90 PG 125 | mm 8,1 10,1 12,2 14,1 17,0 20,1 24,4 28,3 31,3 36,3 | 16 20 25 30 34 40 49 57 64 71 | 14 16 20 24 27 30 36 42 48 56 | 56 64 80 96 108 120 144 168 192 224 | 140 167 205 242 283 325 392 456 511 592 | | |

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| 6 | | | | | | | | <d<sub>max</d<sub> | | ds |
|---|---|--|--|--|--|--|---|---|--|----|
| 1 | | | | | | | | | | |
| | Size | ds | А | В | Dmax | DL | E | F | ~Lv | |
| | Size Größe | ds mm | A mm | B mm | Dmax mm | DL mm | E mm | F mm | ~Lv mm | |
| | Size Größe PE 3 | ds mm 6,1 | A mm 25 | B mm 8 | Dmax mm 13 | DL mm 11 | E mm 18 | F mm 15 | ~Lv mm 85 | |
| | Size Größe PE 3 PE 5 PE 7 | ds mm 6,1 8,1 10,1 | A mm 25 32 40 | B mm 8 10 12 | Dmax mm 13 15 20 | DL mm 11 14 16 | E mm 18 24 29 | F mm 15 20 24 | ~Lv mm 85 118 140 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 | ds mm 6,1 8,1 10,1 11,9 | A mm 25 32 40 50 | B mm 8 10 12 15 | Dmax mm 13 15 20 22 | DL mm 11 14 16 20 | E mm 18 24 29 35 | F mm 15 20 24 30 | ~Lv mm 85 118 140 178 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 PE 15 | ds mm 6,1 8,1 10,1 11,9 14,1 | A mm 25 32 40 50 57 | B mm 8 10 12 15 18 | Dmax mm 13 15 20 22 26 20 | DL mm 11 14 16 20 23 23 | E mm 18 24 29 35 41 | F mm 15 20 24 30 35 | ~Lv mm 85 118 140 178 203 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 PE 15 PE 20 PE 30 | ds mm 6,1 8,1 10,1 11,9 14,1 16,6 20,5 | A mm 25 32 40 50 57 67 80 | B mm 8 10 12 15 18 20 25 | Dmax mm 13 15 20 22 26 30 39 | DL mm 11 14 16 20 23 27 32 | E mm 18 24 29 35 41 48 59 | F mm 15 20 24 30 35 41 48 | ~Lv mm 85 118 140 178 203 230 283 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 PE 15 PE 20 PE 30 PE 45 | ds mm 6,1 8,1 10,1 11,9 14,1 16,6 20,5 24,1 | A mm 25 32 40 50 57 67 80 96 | B mm 10 12 15 18 20 25 25 | Dmax mm 13 15 20 22 26 30 39 44 | DL mm 11 14 16 20 23 27 32 37 | E mm 18 24 29 35 41 48 59 66 | F mm 15 20 24 30 35 41 48 57 | ~Lv mm 85 118 140 178 203 230 283 337 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 PE 15 PE 20 PE 20 PE 30 PE 45 PE 60 PE 75 | ds mm 6,1 8,1 10,1 11,9 14,1 16,6 20,5 24,1 28,6 22,1 | A mm 25 32 40 50 57 67 80 96 110 | B mm 8 10 12 15 18 20 25 25 25 30 25 | Dmax mm 13 15 20 22 26 30 39 44 51 | DL mm 11 14 16 20 23 27 32 37 32 37 43 49 | E mm 18 24 29 35 41 48 59 66 77 | F mm 15 20 24 30 35 41 48 57 67 71 | ~Lv mm 85 118 140 178 203 230 283 337 391 427 | |
| | Size Größe PE 3 PE 5 PE 7 PE 10 PE 15 PE 20 | ds mm 6,1 8,1 10,1 11,9 14,1 16,6 | A mm 25 32 40 50 57 67 | B mm 8 10 12 15 18 20 | Dmax mm 13 15 20 22 26 30 | DL mm 11 14 16 20 23 27 | E mm 18 24 29 35 41 48 | F mm 15 20 24 30 35 41 | ~Lv mm 85 118 140 178 203 230 | |

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| | | | | | < <u>Dmax</u> d | B B B B B B B B B B B B B B B B B B B | ۳ ۲ | d _s | A A A A A A A A A A A A A A A A A A A | |
|---|--------|------|---|--|-----------------------------|---|--------|----------------|---------------------------------------|----------|
| ŀ | Size | ds | А | В | dB | Dmax | E | F | ~Lv | |
| | | mm | mm | mm | mm | mm | mm | mm | mm | |
| I | PG 008 | 5,5 | 25 | 8 | 8 | 13 | 16,5 | 14,5 | 104,0 | |
| | PG 010 | 7,0 | 31 | 10 | 10 | 15 | 20,5 | 17,5 | 129,0 | |
| | PG 012 | 8,4 | 38 | 12 | 12 | 16 | 24,5 | 21,5 | 158,0 | |
| | PG 014 | 9,9 | 45 | 15 | 14 | 20 | 29,0 | 26,0 | 187,0 | |
| | PG 016 | 11,5 | 53 | 15 | 16 | 22 | 33,0 | 29,0 | 211,0 | |
| | PG 020 | 14,5 | 66 | 20 | 20 | 30 | 40,0 | 35,0 | 261,5 | |
| | PG 024 | 17,4 | /8 | 20 | 24 | 34 | 48,0 | 42,0 | 316,0 | |
| | | 19,8 | 88 | 20 | 2/ | 39 | 54,0 | 48,0 | 358,5 | |
| | PG 030 | 21,9 | 98 | 25 | 30 | 44 50 | 59,0 | 53,0 | 392,0 | |
| | PG 030 | 20,4 | 115 | 25 | 30 | 50 | 78.0 | 62,0 | 4/2,5 | |
| | PG 048 | 35.4 | 153 | 35 | 48 | 66 | 87.0 | 82.0 | 626.0 | |
| | | C | PFEIFE PFEIFER Closed Swa Ösen | R – Wire R – Seil-Zug ged Fitting fitting Typ 6 | opes glieder Type 622 | | | | Annex (Anhang | G2 G2 |

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| | | | L L | | | | |
|--|--|---|--|--|---|--|-----|
| | Size Größe | ds | Dmax | М | Lg | ~Lv | |
| | | mm | mm | mm | mm | mm |]] |
| | PG 008 | 5,5 | 13 | 8 | 44,0 | 99 | ↓ Ⅰ |
| | PG 010 | 7,0 | 15 | 10 | 53,5 | 123 | ↓ Ⅰ |
| | | 8.4 | 16 | 10 | | 447 | 1 |
| | PG 012 | -,. | | 12 | 63,0 | 147 | ╡ ┃ |
| | PG 012 PG 014 | 9,9 | 20 | 12 | 63,0 75,5 | 147 | |
| | PG 012 PG 014 PG 016 | 9,9 11,5 | 20 22 | 12 14 16 | 63,0 75,5 83,0 | 147 175 197 | |
| | PG 012 PG 014 PG 016 PG 020 PG 024 | 9,9 11,5 14,5 | 20 22 30 | 12 14 16 20 24 | 63,0 75,5 83,0 104,5 | 147 175 197 248 295 | |
| | PG 012 PG 014 PG 016 PG 020 PG 024 PG 027 | 9,9 11,5 14,5 17,4 19,8 | 20 22 30 34 39 | 12 14 16 20 24 27 | 63,0 75,5 83,0 104,5 124,0 137,5 | 147 175 197 248 295 333 | |
| | PG 012 PG 014 PG 016 PG 020 PG 024 PG 027 PG 030 | 9,9 11,5 14,5 17,4 19,8 21,9 | 20 22 30 34 39 44 | 12 14 16 20 24 27 30 | 63,0 75,5 83,0 104,5 124,0 137,5 155.0 | 147 175 197 248 295 333 370 | |
| | PG 012 PG 014 PG 020 PG 024 PG 027 PG 030 PG 036 | 9,9 11,5 14,5 17,4 19,8 21,9 26,4 | 20 22 30 34 39 44 50 | 12 14 16 20 24 27 30 36 | 63,0 75,5 83,0 104,5 124,0 137,5 155,0 183,5 | 147 175 197 248 295 333 370 442 | |
| | PG 012 PG 014 PG 020 PG 024 PG 027 PG 030 PG 036 PG 042 | 9,9 11,5 14,5 17,4 19,8 21,9 26,4 30,9 | 20 22 30 34 39 44 50 59 | 12 14 16 20 24 27 30 36 42 | 63,0 75,5 83,0 104,5 124,0 137,5 155,0 183,5 214,0 | 147 175 197 248 295 333 370 442 517 | |
| | PG 012 PG 014 PG 020 PG 024 PG 027 PG 030 PG 036 PG 042 PG 048 | 9,9 11,5 14,5 17,4 19,8 21,9 26,4 30,9 35,4 | 20 22 30 34 39 44 50 59 66 | 12 14 16 20 24 27 30 36 42 48 | 63,0 75,5 83,0 104,5 124,0 137,5 155,0 183,5 214,0 244,0 | 147 175 197 248 295 333 370 442 517 589 | |

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| Size | ds | Dmax | М | Lg | ~Lv | |
|---|--|--|---|--|---|---|
| Groise | | | | | | |
| Groise | mm | mm | mm | mm | mm | |
| PE 008 | mm 6,3 | mm 13 | mm 8 | mm 44,0 | mm 105 | - |
| PE 008 PE 010 | mm 6,3 7,9 | mm 13 15 | mm 8 10 | mm 44,0 53,5 | mm 105 130 | |
| PE 008 PE 010 PE 012 | mm 6,3 7,9 9,5 | mm 13 15 16 | mm 8 10 12 | mm 44,0 53,5 63,0 | mm 105 130 155 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 | mm 6,3 7,9 9,5 11,2 13.0 | mm 13 15 16 20 22 | mm 8 10 12 14 16 | mm 44,0 53,5 63,0 75,5 83.0 | mm 105 130 155 183 207 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 | mm 6,3 7,9 9,5 11,2 13,0 16,3 | mm 13 15 16 20 22 30 | mm 8 10 12 14 16 20 | mm 44,0 53,5 63,0 75,5 83,0 104.5 | mm 105 130 155 183 207 259 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 PE 024 | mm 6,3 7,9 9,5 11,2 13,0 16,3 19,5 | mm 13 15 16 20 22 30 34 | mm 8 10 12 14 16 20 24 | mm 44,0 53,5 63,0 75,5 83,0 104,5 124,0 | mm 105 130 155 183 207 259 308 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 PE 024 PE 027 | mm 6,3 7,9 9,5 11,2 13,0 16,3 19,5 22,2 | mm 13 15 16 20 22 30 34 39 | mm 8 10 12 14 16 20 24 27 | mm 44,0 53,5 63,0 75,5 83,0 104,5 124,0 137,5 | mm 105 130 155 183 207 259 308 348 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 PE 024 PE 027 PE 030 | mm 6,3 7,9 9,5 11,2 13,0 16,3 19,5 22,2 24,7 | mm 13 15 16 20 22 30 34 39 43 | mm 8 10 12 14 16 20 24 27 30 | mm 44,0 53,5 63,0 75,5 83,0 104,5 124,0 137,5 155,0 | mm 105 130 155 183 207 259 308 348 348 391 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 PE 024 PE 027 PE 030 PE 036 | mm 6,3 7,9 9,5 11,2 13,0 16,3 19,5 22,2 24,7 29,8 | mm 13 15 16 20 22 30 34 39 43 50 | mm 8 10 12 14 16 20 24 27 30 36 | mm 44,0 53,5 63,0 75,5 83,0 104,5 124,0 137,5 155,0 183,5 | mm 105 130 155 183 207 259 308 348 391 464 | |
| PE 008 PE 010 PE 012 PE 014 PE 016 PE 020 PE 024 PE 030 PE 036 PE 042 | mm 6,3 7,9 9,5 11,2 13,0 16,3 19,5 22,2 24,7 29,8 34,9 | mm 13 15 16 20 22 30 34 39 43 50 59 | mm 8 10 12 14 16 20 24 27 30 36 42 | mm 44,0 53,5 63,0 75,5 83,0 104,5 124,0 137,5 155,0 183,5 214,0 | mm 105 130 155 183 207 259 308 348 391 464 543 | |

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| | Conical socket with internal thread Type 800 with threaded rod material S355 Konische Vergusshülse mit Innengewinde Typ 800 mit Gewindestange Material S355 ETmin = 1,0*M |
|--|---|
| | Cylindrical socket with internal thread Type 801 with threaded rod material S355 Zylindrische Vergusshülse mit Innengewinde Typ 801 mit Gewindestange Material S355 ETmin = 1,0*M |
| | Cylindrical socket Type 810 with spherical nut / spherical disc Type 813 / 814 Zylindrische Vergusshülse Typ 810 mit sphärischer Mutter / sphärischer Scheibe Typ 813 / 814 ETmin = 0,6*M |
| | Cylindrical socket Type 812 with spherical nut / spherical disc Type 813 / 814 Zylindrische Vergusshülse Typ 812 mit sphärischer Mutter / sphärischer Scheibe Typ 813 / 814 ETmin = 0,6*M |
| | Only for installation Nur für Montage Cylindrical socket Type 810 with threaded rod material S355 Zylindrische Vergusshülse Typ 810 mit Gewindestange Material S355 ETmin = 1,0*M |
| PFEIFER – Wire Ropes PFEIFER – Seil-Zugglieder PV Screw-in depths PV Einschraubtiefen | Annex I1 Anhang I1 |

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| Size | Nominal diameter of the rope | Charact. breaking strength Fuk | Desig | n resistance F _{Rd} |
|---|--|---|---|--|
| Größe | Seil-Nenndurchmesser | Charakteristische Bruchkraft F _{uk} | Bemess | ungszugkraft F _{Rd} |
| | mm | kN | | kN |
| PV 40 | 21 | 405 | | 270 |
| PV 60 | 26 | 621 | | 414 |
| PV 90 | 31 | 916 | | 611 |
| PV 115 | 35 | 1170 | | 780 |
| PV 150 | 40 | 1520 | | 1013 |
| PV 195 | 45 | 1930 | | 1287 |
| PV 240 | 50 | 2380 | | 1587 |
| PV 300 | 55 | 3020 | | 2013 |
| PV 360 | 60 | 3590 | | 2393 |
| PV 420 | 65 | 4220 | | 2813 |
| PV 490 | 70 | 4890 | | 3260 |
| PV 560 | 75 | 5620 | | 3747 |
| PV 640 | 80 | 6390 | | 4260 |
| PV 720 | 85 | 7210 | | 4807 |
| PV 810 | 90 | 8090 | | 5393 |
| PV 910 | 95 | 9110 | | 6073 |
| PV 1010 | 100 | 10100 | | 6733 |
| PV 1110 | 105 | 11100 | | 7400 |
| PV 1220 | 110 | 12200 | | 8133 |
| PV 1340 | 115 | 13400 | | 8933 |
| PV 1450 | 120 | 14500 | | 9667 |
| PV 1580 | 125 | 15800 | | 10533 |
| PV 1730 | 130 | 17300 | | 11533 |
| PV 1860 | 135 | 18600 | | 12400 |
| PV 2000 | 140 | 20000 | | 13333 |
| PV 2150 | 145 | 21500 | | 14333 |
| PV 2300 | 150 | 23000 | | 15333 |
| PV 2450 | 155 | 24500 | | 16333 |
| PV 2600 | 160 | 26000 | | 17333 |
| All corresponding PV-cable e respectively for the design res Example: Cable PV 40 with end connect Type 804-PV 40, Type 810-P Type 850-PV 40 or Type 864 resistance 270 kN. | and PV 150 sind fint Austainine volume for a sistences F_{Rd} shown in the table. stors Type 700-PV 40, Type 710- V 40, Type 811-PV 40, Type 81 -PV 40 is designed for the characteristic size of the character | the characteristic breaking strengt -PV 40, Type 800-PV 40, Type 80 2-PV 40, Type 813 / 814-PV 40, cteristic breaking strength 405 kN | ths F _{uk} 01-PV 40, Type 840- I respective | Type 803-PV 40, PV 40, ely for the design |
| Alle dazugehörenden PV-Seil bzw. auf die in der Tabelle an Beispiel: Seil PV 40 mit den Endbesch Typ 801-PV 40, Typ 803-PV Typ 813 / 814-PV 40, Typ 84 405 kN bzw. für eine Bemess | lendbeschlage sind auf die in der gegebenen Bemessungszugkräft lägen und Verbindungsteilen Tyj 40, Typ 804-PV 40, Typ 810-PV 0-PV 40, Typ 850-PV 40 oder T ungszugkraft von 270 kN ausgel | r abelle angegebenen charakteris e F_{Rd} ausgelegt. p 700-PV 40, Typ 710-PV 40, Ty V 40, Typ 811-PV 40, Typ 812-P^A yp 864-PV 40 ist für eine charakt legt. | tischen Br p 800-PV V 40, eristische | ucnkratte F _{uk} 40, Bruchkraft von |
| D\/ Characterie | PFEIFER – Wire Ropes PFEIFER – Seil-Zugglied | er design resistances | | Annex J1 Anhang J1 |
| PV Charakterist | tische Bruchkräfte und Ber | nessungszugkräfte | | |

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| Size | Nominal diameter of the rope | Charact. breaking strength F_{uk} | Design resistance F_{Rd} |
|---|--|--|--|
| Größe | Seil-Nenndurchmesser | Charakteristische Bruchkraft F _{uk} | Bemessungszugkraft F _{Rd} |
| | mm | kN | kN |
| PG 5 | 8,1 | 59 | 39 |
| PG 10 | 10,1 | 93 | 62 |
| PG 15 | 12,2 | 134 | 89 |
| PG 20 | 14,1 | 181 | 121 |
| PG 25 | 17,0 | 260 | 173 |
| PG 40 | 20,1 | 367 | 245 |
| PG 55 | 24,4 | 537 | 358 |
| PG 75 | 28,3 | 722 | 481 |
| PG 90 | 31,3 | 884 | 589 |
| | | | |
| All corresponding PG-cable respectively for the design r | end connectors are designed for esistances F _{P4} shown in the table | the characteristic breaking stren | gths F _{uk} |
| All corresponding PG-cable respectively for the design r Example: Cable PG 5 with end connect is designed for the character Alle dazugehörenden PG-Se bzw. auf die in der Tabelle a Beispiel: Seil PG 5 mit den Endbesch | end connectors are designed for esistances F _{Rd} shown in the table ctors Type 980-PG 5, Type 982- istic breaking strength 59 kN res bilendbeschläge sind auf die in d mgegebenen Bemessungszugkrä | the characteristic breaking stren e. PG 5, Type 984-PG 5 or Type 98 spectively for the design resistance er Tabelle angegebenen charakter ffe F _{Rd} ausgelegt. | gths F _{uk} 28-PG 5 ce 39 kN. ristischen Bruchkräfte F _{uk} |
| All corresponding PG-cable respectively for the design r Example: Cable PG 5 with end connec is designed for the character Alle dazugehörenden PG-Se bzw. auf die in der Tabelle a Beispiel: Seil PG 5 mit den Endbesch ist für eine charakteristische | end connectors are designed for esistances F _{Rd} shown in the table ctors Type 980-PG 5, Type 982- istic breaking strength 59 kN res bilendbeschläge sind auf die in d ingegebenen Bemessungszugkrä lägen Typ 980-PG 5, Typ 982-P Bruchkraft von 59 kN bzw. für | the characteristic breaking stren e. PG 5, Type 984-PG 5 or Type 98 spectively for the design resistance er Tabelle angegebenen charakter ffe F _{Rd} ausgelegt. PG 5, Typ 984-PG 5 oder Typ 988 eine Bemessungszugkraft von 39 | gths F _{uk} 8-PG 5 ce 39 kN. ristischen Bruchkräfte F _{uk} 3-PG 5 9 kN ausgelegt. |

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| Size | Nominal diameter of the rope | Charact breaking strength F . | Design resistance F. |
|---|--|--|--|
| Size | Nominal diameter of the rope | Charact. breaking strength r_{uk} | Design resistance F _{Rd} |
| Große | Seil-Nenndurchmesser | Charakteristische Bruchkraft F _{uk} | Bemessungszugkraft F _{Rd} |
| | mm | kN 26 | kN 17 |
| PE 3 | 6,1 | 26 | 1/ |
| PE 5 | 8,1 | 4/ | 31 |
| PE / | 10,1 | 13 | 49 |
| PE 10 | 11,9 | 101 | 67 |
| PE 15 | 14,1 | 141 | 120 |
| PE 20 | 16,6 | 195 | 130 |
| PE 30 | 20,5 | 298 | 199 |
| PE 43 | 24,1 | 578 | 275 |
| PE 00 | 28,0 | 730 | 187 |
| PE 100 | 32,1 | 730 | 487 |
| | | | |
| All corresponding PE-cabl | e end connectors are designed for | the characteristic breaking stren | gths F _{uk} |
| All corresponding PE-cabl respectively for the design Example: Cable PE 3 with end conne is designed for the character | e end connectors are designed for resistances F _{Rd} shown in the table ectors Type 981-PE 3, Type 983-I eristic breaking strength 26 kN re | • the characteristic breaking stren e. PE 3, Type 985-PE 3 or Type 989 spectively for the design resistan | gths F _{uk} 9-PE 3 ce of 17 kN. |
| All corresponding PE-cabl respectively for the design Example: Cable PE 3 with end conne is designed for the characte Alle dazugehörenden PE-S bzw. auf die in der Tabelle Beispiel: Seil PE 3 mit den Endbesc ist für eine charakteristisch | e end connectors are designed for resistances F _{Rd} shown in the table ectors Type 981-PE 3, Type 983-I eristic breaking strength 26 kN re deilendbeschläge sind auf die in d angegebenen Bemessungszugkrä hlägen Typ 981-PE 3, Typ 983-P e Bruchkraft von 26 kN bzw. für | the characteristic breaking strenge. PE 3, Type 985-PE 3 or Type 985 spectively for the design resistanter reactively for the design resistanter frage ausgelegt. E 3, Typ 985-PE 3 oder Typ 989 eine Bemessungszugkraft von 1 | gths F _{uk} 9-PE 3 ce of 17 kN. ristischen Bruchkräfte F _{uk} -PE 3 7 kN ausgelegt. |
| All corresponding PE-cabl respectively for the design Example: Cable PE 3 with end conne is designed for the characte Alle dazugehörenden PE-S bzw. auf die in der Tabelle Beispiel: Seil PE 3 mit den Endbesc ist für eine charakteristisch | e end connectors are designed for resistances F _{Rd} shown in the table ectors Type 981-PE 3, Type 983-I eristic breaking strength 26 kN re deilendbeschläge sind auf die in d angegebenen Bemessungszugkrä hlägen Typ 981-PE 3, Typ 983-P e Bruchkraft von 26 kN bzw. für | the characteristic breaking strenge. PE 3, Type 985-PE 3 or Type 985 spectively for the design resistance er Tabelle angegebenen charakter ifte F _{Rd} ausgelegt. E 3, Typ 985-PE 3 oder Typ 989 eine Bemessungszugkraft von 1 | gths F _{uk} 9-PE 3 ce of 17 kN. ristischen Bruchkräfte F _{uk} -PE 3 7 kN ausgelegt. |
| All corresponding PE-cabl respectively for the design Example: Cable PE 3 with end conne is designed for the characte Alle dazugehörenden PE-S bzw. auf die in der Tabelle Beispiel: Seil PE 3 mit den Endbesc ist für eine charakteristisch | e end connectors are designed for resistances F _{Rd} shown in the table ectors Type 981-PE 3, Type 983-I eristic breaking strength 26 kN re deilendbeschläge sind auf die in d angegebenen Bemessungszugkrä hlägen Typ 981-PE 3, Typ 983-P e Bruchkraft von 26 kN bzw. für | the characteristic breaking stren e. PE 3, Type 985-PE 3 or Type 989 spectively for the design resistant er Tabelle angegebenen charakte ifte F _{Rd} ausgelegt. E 3, Typ 985-PE 3 oder Typ 989 eine Bemessungszugkraft von 1 | gths F _{uk} 9-PE 3 ce of 17 kN. ristischen Bruchkräfte F _{uk} -PE 3 7 kN ausgelegt. |

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| | PG UMIX 624 PG UMIX 626 PE UMIX 625 PE UMIX 627 ETmin= 1,05*M |
|--|---|
| | PG UMIX 632 PG UMIX 634 PE UMIX 633 PE UMIX 635 ET ₁ min=1,33*M ET ₂ min= 1,05*M |
| PFEIFER – Wire Ropes PFEIFER – Seil-Zugglieder PG/PE UMIX Screw-in depths PG/PE UMIX Einschraubtiefen | Annex K1 Anhang K1 |

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English translation prepared by DIBt

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| <i>C</i> . | | | | · |
|--|--|--|---|--|
| Size | Nominal diameter of the rope | Charact. breaking strength F_{uk} | Design resi | stance F _{Rd} |
| Größe | Seil-Nenndurchmesser | Charakteristische Bruchkraft F _{uk} | Bemessungsz | rugkraft F _{Rd} |
| | mm | KN 20 | | N |
| PG UMIX 008 | 5,5 | 28 | 19 | , |
| PG UMIX 010 | 7,0 | 44 | 30 | , |
| PG UMIX 012 | 8,4 | 65 | 43 | , , |
| PG UMIX 014 | 9,9 | 89 | 35 | , |
| PG UMIA 010 | 11,0 | 120 | 80 | 5 |
| PG UMIX 020 | 14,3 | 168 | 12 | 0 |
| PG UMIX 024 | 1/,4 | 2/0 | 18 | 5 |
| DG UMIX 020 | 21.0 | 332 /20 | 23 | 6 |
| PG UMIX 030 | 21,9 | 430 | 41 | 7 |
| PG UMIX 030 | 20,4 | 850 | 41 | 2 |
| PG UMIX 042 | 30,9 | 839 | 57. | 3 |
| | | | | |
| | | | | |
| Il corresponding PG UMIX spectively for the design re- xample: able PG UMIX 008 with en /pe 634 PG UMIX 008 is d) kN. Ile dazugehörenden PG-Sei w. auf die in der Tabelle ar sispiel: sil PG UMIX 008 mit den E ler Type 634 PG UMIX 003) kN ausgelegt. | -cable end connectors are desig sistances F _{Rd} shown in the table d connectors Type 620-PG UN esigned for the characteristic br lendbeschläge sind auf die in de agegebenen Bemessungszugkrä Endbeschlägen Type 620-PG UI 3 ist für eine charakteristische E | gned for the characteristic breaking. IIX 008, Type 622-PG UMIX 00 reaking strength 28 kN respective er Tabelle angegebenen charakter fte F _{Rd} ausgelegt. MIX 008, Type 622-PG UMIX 0 Bruchkraft von 28 kN bzw. für ein | ng strengths F _{ul} 8, Type 624-P Ply for the desi ristischen Bruc 08, Type 624-J ne Bemessung: | G UMIX 008 o gn resistance hkräfte F _{uk} PG UMIX 008 szugkraft von |

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| Size | Nominal diameter of the rope | Charact. breaking strength F_{uk} | Design resistance F_{Rd} |
|--|---|--|---|
| Größe | Seil-Nenndurchmesser | Charakteristische Bruchkraft F_{uk} | Bemessungszugkraft F_{Rd} |
| | mm | kN | kN |
| PE UMIX 008 | 6,3 | 28 | 19 |
| PE UMIX 010 | 7,9 | 44 | 30 |
| PE UMIX 012 | 9,5 | 65 | 43 |
| PE UMIX 014 | 11,2 | 89 | 59 |
| PE UMIX 016 | 13,0 | 120 | 80 |
| PE UMIX 020 | 16,3 | 188 | 125 |
| PE UMIX 024 | 19,5 | 270 | 180 |
| PE UMIX 027 | 22,2 | 352 | 235 |
| PE UMIX 030 | 24,7 | 430 | 286 |
| PE UMIX 036 | 29,8 | 626 | 417 |
| PE UMIX 042 | 34,9 | 859 | 573 |
| | | | |
| | | | |
| l corresponding PE UMI spectively for the design r cample: able PE UMIX 008 with e pe 633-PE UMIX 008 or r the design resistance of le dazugehörenden PE UI w. auf die in der Tabelle a sispiel: il PE UMIX 008 mit den pe 633-PE UMIX 008 or messungszugkraft von 15 | X-cable end connectors are desig esistances F _{Rd} shown in the table and connectors Type 621-PE UM Type 635-PE UMIX 008 is des 19 kN. MIX-Seilendbeschläge sind auf d angegebenen Bemessungszugkrä Endbeschlägen Type 621-PE U Type 635-PE UMIX 008 ist fü 9 kN ausgelegt. | ned for the characteristic breaking and for the characteristic breaking igned for the characteristic break die in der Tabelle angegebenen cl ifte F _{Rd} ausgelegt. MIX 008, Type 623-PE UMIX 0 r eine charakteristische Bruchkra | ng strengths F _{uk} 8, Type 629-PE UMIX 008, ing strength 28 kN respective narakteristischen Bruchkräfte 08, Type 629-PE UMIX 008, ft von 28 kN bzw. für eine |