

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-11/0160
of 1 October 2021

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 Seil- und Hebetechnik GmbH
Dr.-Karl-Lenz-Str. 66
87700 Memmingen
DEUTSCHLAND

Manufacturing plant

Pfeifer Seil- und Hebetechnik GmbH
Dr.-Karl-Lenz-Str. 66
87700 Memmingen
DEUTSCHLAND

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 21 November 2018

European Technical Assessment

ETA-11/0160

English translation prepared by DIBt

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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

² 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 1 October 2021 by Deutsches Institut für Bautechnik

Dr.-Ing. Ronald Schwuchow
Head of Section

beglaubigt:
Bertram

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)

$$\gamma_R = 1.0$$

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 " t_{Lmin} " 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.

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.



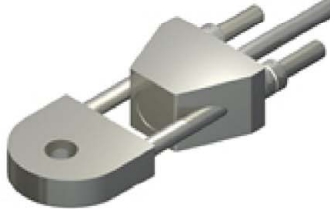
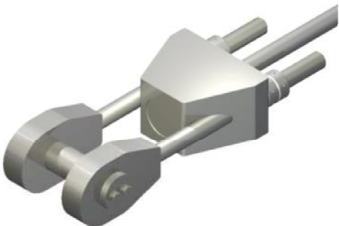




The conformity of the gusset plates and the installed wire ropes with end connectors with the provisions of the European Technical Assessment is attested by the executing assembler.

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.

| | | | |
|----|---|---|--|
| PV |  <p>Conical Socket with Internal Thread Type 800 Konische Vergusshülse mit Innengewinde Typ 800</p> |  <p>Cylindrical Socket with Internal Thread Type 801 Zylindrische Vergusshülse mit Innengewinde Typ 801</p> |  <p>Closed Bridge Socket Type 803 Vergusshülse mit Öse Typ 803</p> |
| PV |  <p>Open Bridge Socket Type 804 Vergusshülse mit Augenstab Typ 804</p> |  <p>Cyl. Socket with Internal and External Thread Type 810 Zyl. Vergusshülse mit Innen- und Außengewinde Typ 810</p> |  <p>Cylindrical Socket Type 811 Zylindrische Vergusshülse Typ 811</p> |
| PV |  <p>Cylindrical Socket with External Thread Type 812 Zylindrische Vergusshülse mit Außengewinde Typ 812</p> |  <p>Spherical Nut / Spherical Disc Type 813 / 814 Sphärische Mutter / Sphärische Scheibe Typ 813 / 814</p> | |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

End Connectors – Components
Endverankerungen – Bauteile


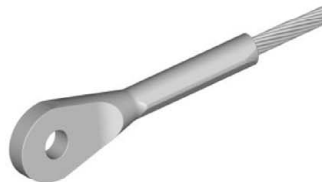


Annex B1
Anhang B1

| | |
|----|---|
| PV |    <p>Open Spelter Socket Type 700 Gabelseilhülse Typ 700</p> <p>Adjustable Open Spelter Socket Type 710 Verstellbare Gabelseilhülse Typ 710</p> <p>Spherical Anchor Type 850 Sphärischer Anker Typ 850</p> |
| PV |   <p>Conical Socket with Fork End Type 864 Konische Vergusshülse mit Gabelkopf Typ 864</p> <p>Spherical Nut / Spherical Disc Type 813 / 814 Sphärische Mutter / Sphärische Scheibe Typ 813 / 814</p> |
| PV |  <p>Threaded Rod Type 840 Gewindestange Typ 840</p> |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

End Connectors – Components
Endverankerungen – Bauteile

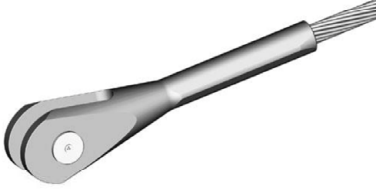
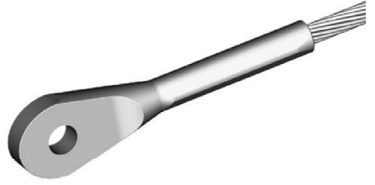


Annex B2
Anhang B2

| | |
|----|--|
| PG | <div data-bbox="288 392 647 573"></div> <div data-bbox="304 685 582 817"> <p>Open Swaged Fitting Type 980 Gabelfitting Typ 980</p> </div> <div data-bbox="1051 396 1374 577"></div> <div data-bbox="1082 685 1378 817"> <p>Closed Swaged Fitting Type 982 Ösenfitting Typ 982</p> </div> |
| PG | <div data-bbox="308 896 651 1122"></div> <div data-bbox="354 1223 676 1355"> <p>Adjustable Open Swaged Fitting Type 984 Gabelstellschloss Typ 984</p> </div> <div data-bbox="1035 929 1410 1131"></div> <div data-bbox="1120 1223 1340 1355"> <p>Threaded Fitting Type 988 Gewindefitting Typ 988</p> </div> |
| | |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

End Connectors – Components
Endverankerungen – Bauteile

Annex B3
Anhang B3

| | | |
|----|--|--|
| PE |  <p>Open Swaged Fitting Type 981 Gabelfitting Typ 981</p> |  <p>Closed Swaged Fitting Type 983 Ösenfitting Typ 983</p> |
| PE |  <p>Adjustable Open Swaged Fitting Type 985 Gabelstellschloss Typ 985</p> |  <p>Threaded Fitting Type 989 Gewindefitting Typ 989</p> |
| | | |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

End Connectors – Components
Endverankerungen – Bauteile








Annex B4
Anhang B4

| | |
|---------------------------|--|
| <p>PG UMIX</p> | <div data-bbox="304 394 639 618"></div> <p>Open Swaged Fitting Type 620 Gabelfitting Typ 620</p> <div data-bbox="679 394 1015 618"></div> <p>Closed Swaged Fitting Type 622 Ösenfitting Typ 622</p> <div data-bbox="1038 383 1430 618"></div> <p>Adjustable Open Swaged Fitting Type 624 Gabelstellschloss Typ 624</p> |
| <p>PG UMIX</p> | <div data-bbox="296 949 608 1151"></div> <p>Adjustable Closed Swaged Fitting Type 626 Ösenstellschloss Typ 626</p> <div data-bbox="663 949 983 1151"></div> <p>Threaded Fitting Type 628 Gewindefitting Typ 628</p> <div data-bbox="1046 938 1366 1151"></div> <p>Threaded Fitting with Fork End Type 632 Gewindefitting mit Gabelkopf Typ 632</p> |
| <p>PG UMIX</p> | <div data-bbox="655 1442 1086 1722"></div> <p>Threaded Fitting with Adapter Type 634 Gewindefitting mit Adapter Typ 634</p> |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Cable Systems – Components
Seilsysteme – Bauteile

Annex B5
Anhang B5

| | |
|---------------------------|---|
| <p>PE UMIX</p> | <div data-bbox="300 376 646 600"></div> <p>Open Swaged Fitting Type 621</p> <p>Gabelfitting Typ 621</p> <div data-bbox="689 376 1013 600"></div> <p>Closed Swaged Fitting Type 623</p> <p>Ösenfitting Typ 623</p> <div data-bbox="1061 392 1401 600"></div> <p>Adjustable Open Swaged Fitting Type 625</p> <p>Gabelstellschloss Typ 625</p> |
| <p>PE UMIX</p> | <div data-bbox="306 952 657 1176"></div> <p>Adjustable Closed Swaged Fitting Type 627</p> <p>Ösenstellschloss Typ 627</p> <div data-bbox="686 967 1002 1176"></div> <p>Threaded Fitting Type 629</p> <p>Gewindefitting Typ 629</p> <div data-bbox="1069 952 1372 1153"></div> <p>Threaded Fitting with Fork End Type 633</p> <p>Gewindefitting mit Gabelkopf Typ 633</p> |
| <p>PE UMIX</p> | <div data-bbox="670 1422 1085 1691"></div> <p>Threaded Fitting with Adapter Type 635</p> <p>Gabelfitting mit Adapter Typ 635</p> |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Cable Systems – Components
Seilsysteme – Bauteile

Annex B6
Anhang B6

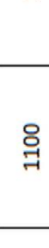
Table 1.1 - Steel grade of PV-, PG-components for wire ropes of unalloyed steel, mechanical properties (minimum values)
Tabelle 1.1 - Stahlsorten der PV-, PG-Bauteile für Seile aus unlegiertem Stahl, mechanische Eigenschaften (Mindestwerte)

| Components of end connectors Bauteile für die Endverankerungen | Steel grade Stahlsorte | | mechanical properties (minimum values) Mechanische Eigenschaften (Mindestwerte) | | | | |
|--|---------------------------|-------------------------------|--|--|--|---|---|
| | Symbol Kurzname | Material-No. Werkstoff Nr. | Thickness Erzeugnisdicke t in mm | Yield strength Streckgrenze R _{p0,2} in N/mm ² | Tensile strength Zugfestigkeit R _m in N/mm ² | Elongation Bruchdehnung A ₅ in % | Impact strength Kerbschlagarbeit α _k in J/°C (ISO-V) |
| Wire rope / Seil | | | according to / gemäß 12385 | | | | |
| Socket / Vergusschülse | G18NiMoCr3-6 | 1.6759 | | according to / gemäß EN 10340:2008-01 | | | |
| Clamp / Klemme | G18NiMoCr3-6 | 1.6759 | | according to / gemäß EN 10340:2008-01 | | | |
| Guide / Umlenklager | G18NiMoCr3-6 | 1.6759 | | according to / gemäß EN 10340:2008-01 | | | |
| Pin / Bolzen | 34CrNiMo6 | 1.6582 | | according to / gemäß EN 10083-3:2007-01 | | | |
| Socket / Vergusschülse | 34CrNiMo6 | 1.6582 | | according to / gemäß EN 10083-3:2007-01 | | | |
| Threaded rod / Gewindestange Typ 710 | 34CrNiMo6 | 1.6582 | | according to / gemäß EN 10083-3:2007-01 | | | |
| Fitting Type / Typ 980, 982, 988 | S460 | 1.8901 | | 460 | 690 | 17 | ≥27/-20 |
| Threaded rod / Gewindestange Type / Typ 864 | S460 | 1.8901 | | 460 | 625 | 17 | ≥27/-20 |
| Threaded rod / Gewindestange Typ 840, 850 | S355J2 | 1.0577 | | according to / gemäß EN 10025-2:2005-04 | | | |
| Spherical nut-disc Sphärische Mutter-Scheibe Type / Typ 813, 814, 851, 852 | S355J2 | 1.0577 | | according to / gemäß EN 10025-2:2005-04 | | | |
| Fork end / Gabelkopf Type / Typ 980 | EN-GJS-400-18-LT | 5.3103 | | according to / gemäß EN 1563:2012-03 | | | |

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

| Table 1.2 - steel grade of components for wire ropes of stainless steel, mechanical properties (minimum values) Tabelle 1.2 - Stahlsorten der Bauteile für Seile aus nichtrostendem Stahl, Mechanische Eigenschaften (Mindestwerte) | | | | | | | | | |
|--|---------------------------|-------------------------------|-------------------------------------|--|---|--|---|--|---------------------|
| Components Bauteile | Steel grade Stahlsorte | | | mechanical properties (minimum values) Mechanische Eigenschaften (Mindestwerte) | | | | | |
| | Symbol Kurzname | Material-No. Werkstoff Nr. | Strength class Festigkeitsklasse | Yield strength Streckgrenze $R_{p0.2}$ in N/mm ² | Tensile strength Zugfestigkeit R_m in N/mm ² | Elongation Bruchdehnung in % | | Thermal expansion coefficient/ Temperaturdehnzahl α_k in K ⁻¹ | |
| Wire rope / Seil | X3CrNiMo 17-13-3 | 1.4436 | S1100 | 1100 | 1450 |  | 6 | 2 | 16x10 ⁻⁶ |
| | X5CrNiMo 17-12-2 | 1.4401 | S1100 | 1100 | 1450 | | | | |
| Pin / Bolzen | | | | | | | | | |
| Open swaged fitting Type 981 Gabelfitting Typ 981 | | | | | | | | | |
| Closed swaged fitting Type 983 Ösenfitting Typ 983 | X2CrNiMoN 22-5-3 | 1.4462 | S460 | | according to / gemäß EN 10088-3:2014-12 | | | | 13x10 ⁻⁶ |
| Swaged fitting with thread Type 989 Gewindefitting Typ 989 | | | | | | | | | |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Table 1.2 - Material / Steel grade, mechanical properties (minimum values)
Tabelle 1.2 – Material / Stahlsorten, Mechanische Eigenschaften (Mindestwerte)

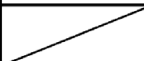
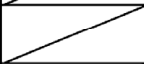
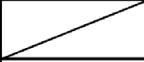
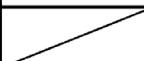
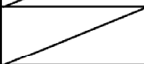
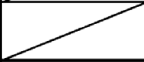
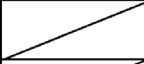
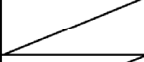
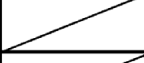
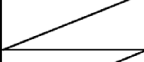
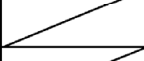
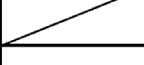
Annex C2
Anhang C2

| 1.3 Steel grade, mechanical properties PG UMIX components (minimum values) Stahlsorten, Mechanische Eigenschaften PG UMIX Bauteile (Mindestwerte) | | | | | | | |
|--|---------------------------|-------------------------------|--|--|--|---|--|
| Components Bauteile | Steel grade Stahlsorte | | Mechanical properties (minimum values) Mechanische Eigenschaften (Mindestwerte) | | | | |
| | Symbol Kurzname | Material-No. Werkstoff Nr. | Thickness Erzeugnisstärke t in mm | Yield strength Streckgrenze R _{p0,2} in N/mm ² | Tensile strength Zugfestigkeit R _m in N/mm ² | Elongation Bruchdehnung A ₅ in % | Impact strength Kerbschlagarbeit α _k in J/°C (ISO-V) |
| Fork end Gabelkopf | EN-GJS-400-18-LT | 5.3103 | according to/gemäß EN 1563:2012-03 | | | | |
| | S355J2 | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | |
| Pin/Bolzen | 34CrNiMo6+QT | 1.6582 | according to/gemäß EN ISO 683-2:2018-09 | | | | |
| Spade End/ Ösenkopf | S355J2 | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | |
| Lock Nut/ Kontermutter | S355J2 | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | |
| Swaged Fitting with Thread/ Gewindefitting | S600* | | | 530 | 790 | 17 | 27/-20 |
| Connecting Plate/ Anschlussblech | S355J2 | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | |
| Adapter | S520*/S600* | | | 530 | 710 | 17 | 27/-20 |
| | 34CrNiMo6+QT | 1.6582 | based on/in Anlehnung an EN ISO 683-2:2018-09 | | | | |
| Coupler/ Muffe | S520*/S600* | | | 530 | 710 | 17 | 27/-20 |
| | 34CrNiMo6+QT | 1.6582 | based on/in Anlehnung an EN ISO 683-2:2018-09 | | | | |
| Intersection Plate/ Knotenblech | S355J2 | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | |
| * based on/in Anlehnung an EN 10025-3:2005-02 | | | | | | | |

PFEIFER – Wire Ropes
PEIFER - Seilzugglieder

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

Annex C3
Anhang C3

| 1.3 Steel grade, mechanical properties PE UMIX components (minimum values) Stahlsorten, Mechanische Eigenschaften PE UMIX Bauteile (Mindestwerte) | | | | | | | | |
|--|---------------------------|-------------------------------|---|--|--|---|--|-----------------|
| Components Bauteile | Steel grade Stahlsorte | | Mechanical properties (minimum values) Mechanische Eigenschaften (Mindestwerte) | | | | | |
| | Symbol Kurzname | Material-No. Werkstoff Nr. | Thickness Erzeugnisdicke t in mm | Yield strength Streckgrenze R _{p0,2} in N/mm ² | Tensile strength Zugfestigkeit R _m in N/mm ² | Elongation Bruchdehnung A ₅ in % | Impact strength Kerbschlagarbeit α _k in J/°C (ISO-V) | |
| Fork end Gabelkopf | GX2CrNiMoN22-5-3 | 1.4470 | according to / gemäß EN 10283:2019-06 | | | | | 30/20 27/-20 |
| Pin/Bolzen | X5CrNiCuNb 16-4 | 1.4542 | according to / gemäß EN 10088-3:2005-09 | | | | | |
| Spade End/ Ösenkopf | GX2CrNiMoN22-5-3 | 1.4470 | according to / gemäß EN 10283:2019-06 | | | | | 30/20 27/-20 |
| Swaged Fitting with Thread/ Gewindefitting | X2CrNiMoN29-7-2 | 1.4477 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoCuWN25- 7-4 | 1.4501 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoN22-5-3 | 1.4462 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| Lock Nut/ Kontermutter | X2CrNiMo17-12-2 | 1.4404 | according to / gemäß EN 10088-5:2009-07 | | | | | |
| Connecting Plate/ Anschlussblech | S355J2 ** | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | | |
| Adapter | X2CrNiMoN29-7-2 | 1.4477 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoCuWN25- 7-4 | 1.4501 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoN22-5-3 | 1.4462 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| Coupler/ Muffe | X2CrNiMoN29-7-2 | 1.4477 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoCuWN25- 7-4 | 1.4501 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoN22-5-3 | 1.4462 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| Intersection Coupler / Kreuzmuffe | X2CrNiMoN29-7-2 | 1.4477 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoCuWN25- 7-4 | 1.4501 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| | X2CrNiMoN22-5-3 | 1.4462 |  | 580 | 790 | 17 | 100/20 40/-40 | |
| Intersection Plate/ Knotenblech | S355J2 ** | 1.0577 | according to/gemäß EN 10025-2:2005-04 | | | | | |
| <div>* based on/in Anlehnung an EN 10025-3:2005-02</div> <div>** Werkstoff in Anlehnung an S355J2 und unter Berücksichtigung der Teilsicherheitsbeiwerts γ_{MO} = 1,1 für nichtrostenden Stahl</div> | | | | | | | | |

PFEIFER – Wire Ropes
PEIFER - Seilzugglieder

Table 1.4 – Material UMIX / Steel grade, mechanical properties (minimum values)
Tabelle 1.4 – Material UMIX/ Stahlsorten, Mechanische Eigenschaften (Mindestwerte)

Annex C4
Anhang C4

Table 2 – Reference Values for modulus of elasticity E_Q

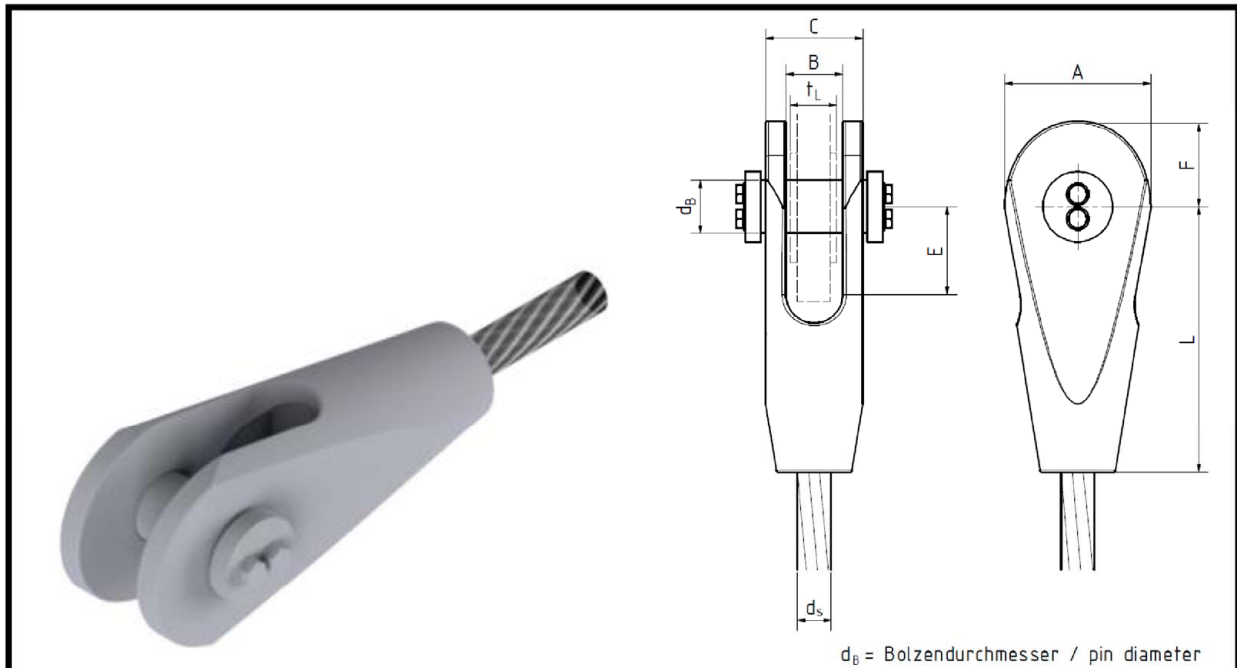
Tabelle 2 – Anhaltswerte für den Verformungsmodul E_Q

| | Cable Type Seiltyp | E_Q in N/mm ² |
|---|---|-------------------------------|
| Unalloyed steel Unlegierter Stahl | Full locked cables Vollverschlossene Seile | 0,16 x 10 ⁶ |
| | Open spiral strands Offene Spiralseile | 0,16 x 10 ⁶ |
| | Structural wire ropes with steel core Rundlitzenseile mit Stahleinlage | 0,12 x 10 ⁶ |
| | | |
| Stainless steel Nichtrostender Stahl | Open spiral strands Offene Spiralseile | 0,13 x 10 ⁶ |
| | Structural wire ropes with steel core Rundlitzenseile mit Stahleinlage | 0,10 x 10 ⁶ |
| | | |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Table 2 – Reference Values for Modulus of Elasticity E_Q
Tabelle 2 – Anhaltswerte für den Verformungsmodul E_Q

Annex C5
Anhang C5

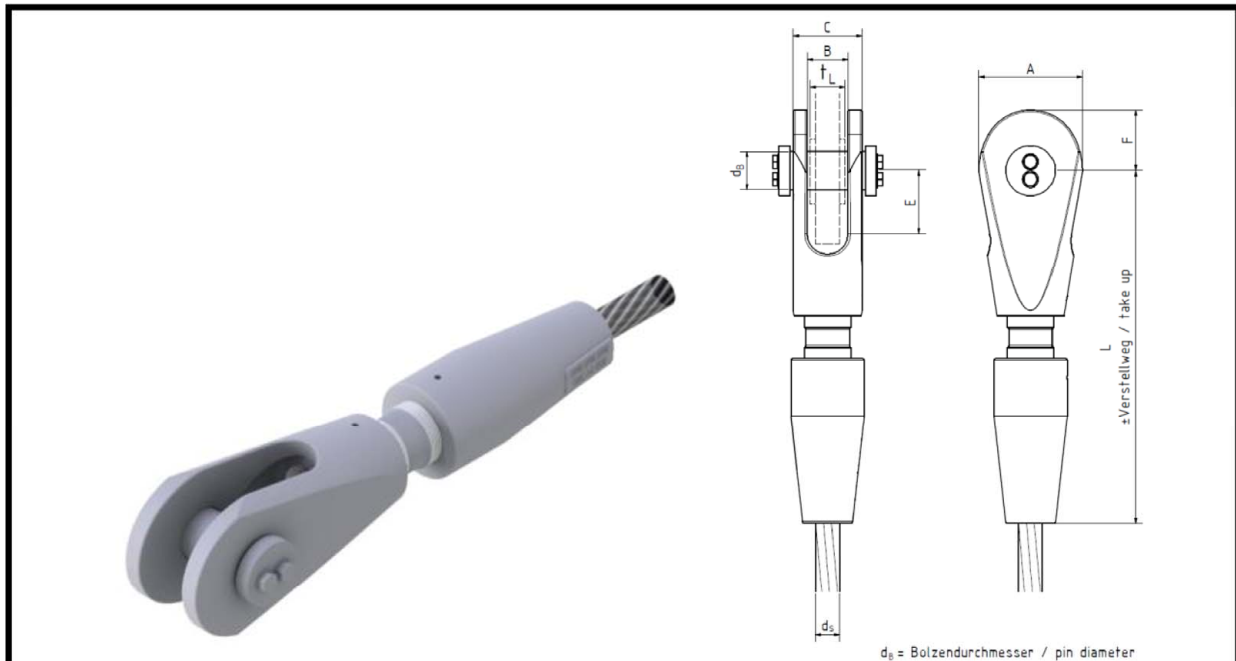


| Size Größe | ds mm | A mm | B mm | C mm | dB mm | E mm | F mm | tL min mm | L mm |
|---------------|----------|---------|---------|---------|----------|---------|---------|-----------------|---------|
| PV 40 | 21 | 92 | 35 | 61 | 39 | 55 | 57 | 29 | 168 |
| PV 60 | 26 | 116 | 43 | 75 | 44 | 70 | 68 | 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 |
| PV 420 | 65 | 285 | 111 | 189 | 108 | 173 | 165 | 100 | 520 |
| PV 490 | 70 | 308 | 119 | 203 | 118 | 186 | 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 | 179 | 305 | 182 | 279 | 276 | 159 | 840 |
| PV1220 | 110 | 484 | 187 | 319 | 187 | 292 | 286 | 165 | 880 |
| 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 | 671 | 255 | 435 | 271 | 398 | 400 | 217 | 1200 |
| PV2450 | 155 | 688 | 264 | 450 | 281 | 411 | 415 | 224 | 1240 |
| PV2600 | 160 | 710 | 272 | 464 | 291 | 424 | 428 | 232 | 1280 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Open Spelter Socket Type 700
Gabelseilhülse Typ 700

Annex D1
Anhang D1

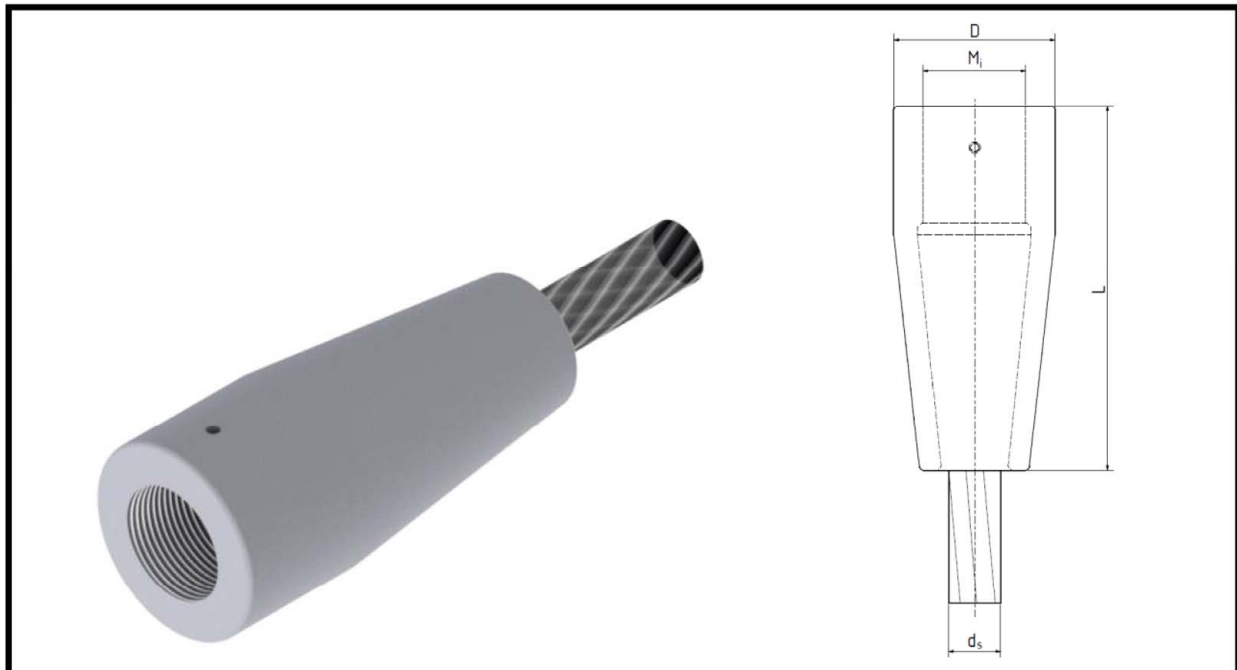


| Size Größe | ds mm | A mm | B mm | C mm | dB mm | E mm | F mm | tL min mm | L mm | take up Verstellweg mm |
|---------------|----------|---------|---------|---------|----------|---------|---------|-----------------|---------|------------------------------|
| PV 40 | 21 | 92 | 35 | 61 | 39 | 55 | 57 | 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 | 40 | 176 | 68 | 116 | 64 | 106 | 98 | 60 | 590 | ±42 |
| PV 195 | 45 | 197 | 73 | 131 | 73 | 120 | 110 | 69 | 660 | ±46 |
| PV 240 | 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 |
| PV 720 | 85 | 372 | 145 | 247 | 142 | 226 | 220 | 129 | 1261 | ±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 |
| PV1340 | 115 | 511 | 196 | 334 | 202 | 305 | 299 | 174 | 1731 | ±118 |
| PV1450 | 120 | 532 | 204 | 348 | 207 | 318 | 312 | 180 | 1808 | ±122 |
| 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 | 644 | 247 | 421 | 261 | 385 | 387 | 211 | 2199 | ±150 |
| PV2300 | 150 | 671 | 255 | 435 | 271 | 398 | 400 | 217 | 2264 | ±156 |
| PV2450 | 155 | 688 | 264 | 450 | 281 | 411 | 415 | 224 | 2330 | ±162 |
| PV2600 | 160 | 710 | 272 | 464 | 291 | 424 | 428 | 232 | 2400 | ±168 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Adjustable Open Spelter Socket Type 710
Verstellbare Gabelseilhülse Typ 710

Annex D2
Anhang D2

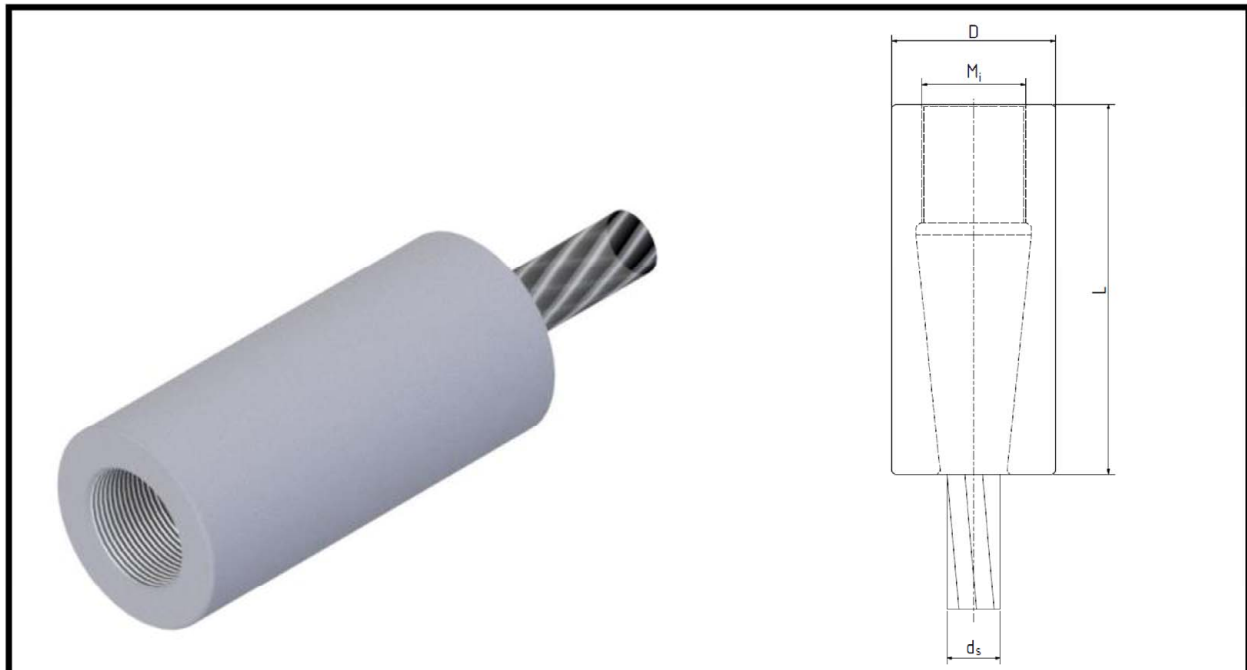


| Size Größe | ds mm | D mm | Mi mm | L mm |
|---------------|----------|---------|----------|---------|
| PV 40 | 21 | 80 | 42 x 3 | 165 |
| PV 60 | 26 | 95 | 52 x 3 | 200 |
| PV 90 | 31 | 110 | 64 x 4 | 235 |
| PV 115 | 35 | 125 | 75 x 4 | 270 |
| PV 150 | 40 | 125 | 75 x 4 | 270 |
| PV 195 | 45 | 140 | 85 x 4 | 305 |
| PV 240 | 50 | 155 | 95 x 4 | 350 |
| PV 300 | 55 | 170 | 108 x 4 | 385 |
| PV 360 | 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 | 90 | 280 | 185 x 6 | 645 |
| PV 910 | 95 | 295 | 195 x 6 | 680 |
| PV 1010 | 100 | 310 | 205 x 6 | 715 |
| PV 1110 | 105 | 330 | 215 x 6 | 760 |
| PV 1220 | 110 | 345 | 225 x 6 | 800 |
| PV 1340 | 115 | 360 | 235 x 6 | 840 |
| PV 1450 | 120 | 380 | 245 x 6 | 880 |
| PV 1580 | 125 | 395 | 260 x 6 | 920 |
| 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 | 155 | 490 | 325 x 6 | 1125 |
| PV2600 | 160 | 510 | 335 x 6 | 1160 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Conical Socket with internal Thread Type 800
Konische Vergusshülse mit Innengewinde Typ 800

Annex D3
Anhang D3

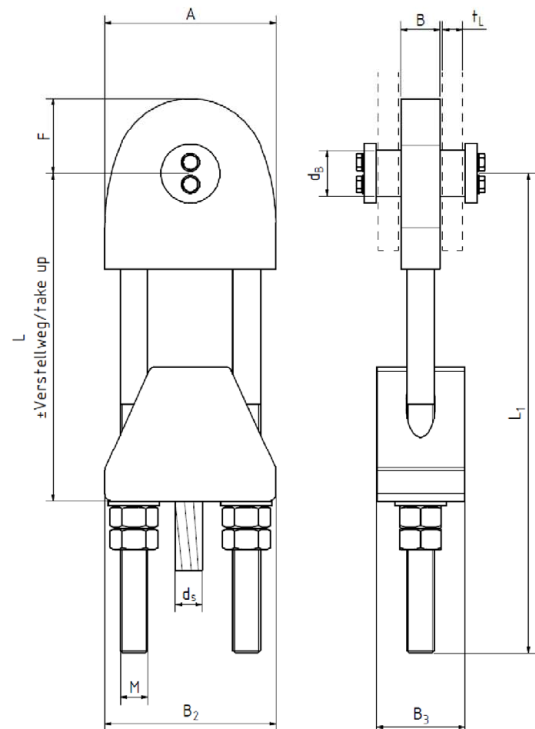


| Size Größe | ds mm | D mm | Mi mm | L mm |
|---------------|----------|---------|----------|---------|
| PV 40 | 21 | 80 | 42 x 3 | 165 |
| PV 60 | 26 | 95 | 52 x 3 | 200 |
| PV 90 | 31 | 110 | 64 x 4 | 235 |
| PV 115 | 35 | 125 | 75 x 4 | 270 |
| PV 150 | 40 | 125 | 75 x 4 | 270 |
| PV 195 | 45 | 140 | 85 x 4 | 305 |
| PV 240 | 50 | 155 | 95 x 4 | 350 |
| PV 300 | 55 | 170 | 108 x 4 | 385 |
| PV 360 | 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 | 90 | 280 | 185 x 6 | 645 |
| PV 910 | 95 | 295 | 195 x 6 | 680 |
| PV 1010 | 100 | 310 | 205 x 6 | 715 |
| PV 1110 | 105 | 330 | 215 x 6 | 760 |
| PV 1220 | 110 | 345 | 225 x 6 | 800 |
| PV 1340 | 115 | 360 | 235 x 6 | 840 |
| PV 1450 | 120 | 380 | 245 x 6 | 880 |
| PV 1580 | 125 | 395 | 260 x 6 | 920 |
| 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 | 155 | 490 | 325 x 6 | 1125 |
| PV2600 | 160 | 510 | 335 x 6 | 1160 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Cylindrical Socket with Internal Thread Type 801
Zylindrische Vergusshülse mit Innengewinde Typ 801

Annex D4
Anhang D4



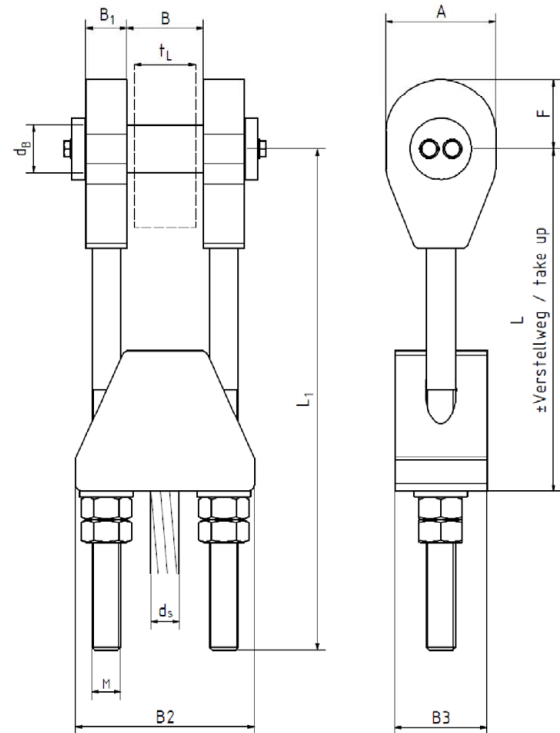
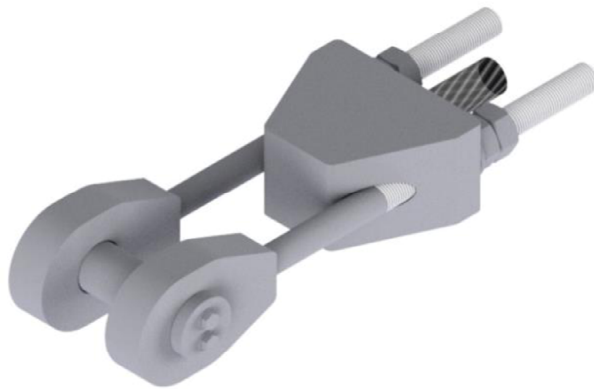
d_B = Bolzendurchmesser / pin diameter

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

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Closed Bridge Socket Type 803
Vergusshülse mit Öse Typ 803

Annex D5
Anhang D5



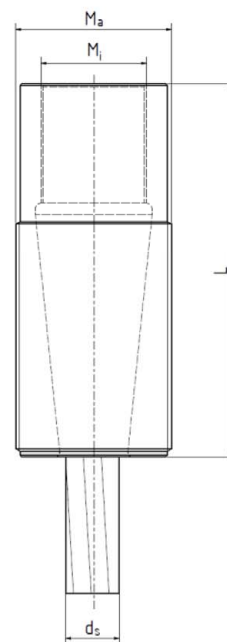
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d_s mm | A mm | B mm | B1 mm | B2 mm | B3 mm | d_B mm | M mm | L1 mm | F mm | tL mm | L mm | take up Verstellweg mm |
|---------------|-------------|---------|---------|----------|----------|----------|-------------|---------|----------|---------|----------|---------|------------------------------|
| PV 40 | 21 | 94 | 65 | 30 | 155 | 80 | 39 | 20 | 525 | 61 | 60 | 330 | ±150 |
| PV 60 | 26 | 110 | 75 | 40 | 190 | 90 | 44 | 27 | 579 | 71 | 70 | 375 | ±150 |
| PV 90 | 31 | 127 | 85 | 50 | 220 | 110 | 54 | 30 | 624 | 83,5 | 80 | 415 | ±150 |
| PV 115 | 35 | 148 | 95 | 70 | 260 | 130 | 67 | 42 | 725 | 96 | 90 | 495 | ±150 |
| PV 150 | 40 | 148 | 95 | 70 | 260 | 130 | 67 | 42 | 725 | 96 | 90 | 495 | ±150 |
| PV 195 | 45 | 165 | 120 | 70 | 290 | 150 | 75 | 48 | 781 | 107,5 | 115 | 540 | ±150 |
| PV 240 | 50 | 200 | 130 | 80 | 325 | 160 | 83 | 52 | 825 | 128 | 125 | 575 | ±150 |
| PV 300 | 55 | 215 | 150 | 80 | 350 | 180 | 93 | 56 | 981 | 136,5 | 145 | 670 | ±200 |
| PV 360 | 60 | 235 | 160 | 90 | 380 | 200 | 106 | 60 | 1035 | 150 | 155 | 715 | ±200 |
| PV 420 | 65 | 250 | 175 | 100 | 420 | 220 | 115 | 68 x 6 | 1093 | 163 | 170 | 760 | ±200 |
| PV 490 | 70 | 270 | 180 | 110 | 450 | 240 | 124 | 72 x 6 | 1147 | 175 | 175 | 805 | ±200 |
| PV 560 | 75 | 290 | 210 | 110 | 480 | 250 | 133 | 76 x 6 | 1187 | 190 | 205 | 845 | ±200 |
| PV 640 | 80 | 310 | 230 | 120 | 510 | 280 | 142 | 80 x 6 | 1342 | 201 | 225 | 940 | ±250 |
| PV 720 | 85 | 330 | 255 | 120 | 550 | 300 | 151 | 85 x 6 | 1389 | 215 | 250 | 980 | ±250 |
| PV 810 | 90 | 365 | 270 | 130 | 580 | 320 | 168 | 90 x 6 | 1437 | 240 | 265 | 1020 | ±250 |
| PV 910 | 95 | 385 | 285 | 140 | 630 | 340 | 179 | 100 x 6 | 1514 | 250 | 280 | 1075 | ±250 |
| PV 1010 | 100 | 405 | 290 | 150 | 650 | 350 | 188 | 105 x 6 | 1566 | 265 | 285 | 1120 | ±250 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Open Bridge Socket Type 804
Vergusschülse mit Augenstab Typ 804

Annex D6
Anhang D6

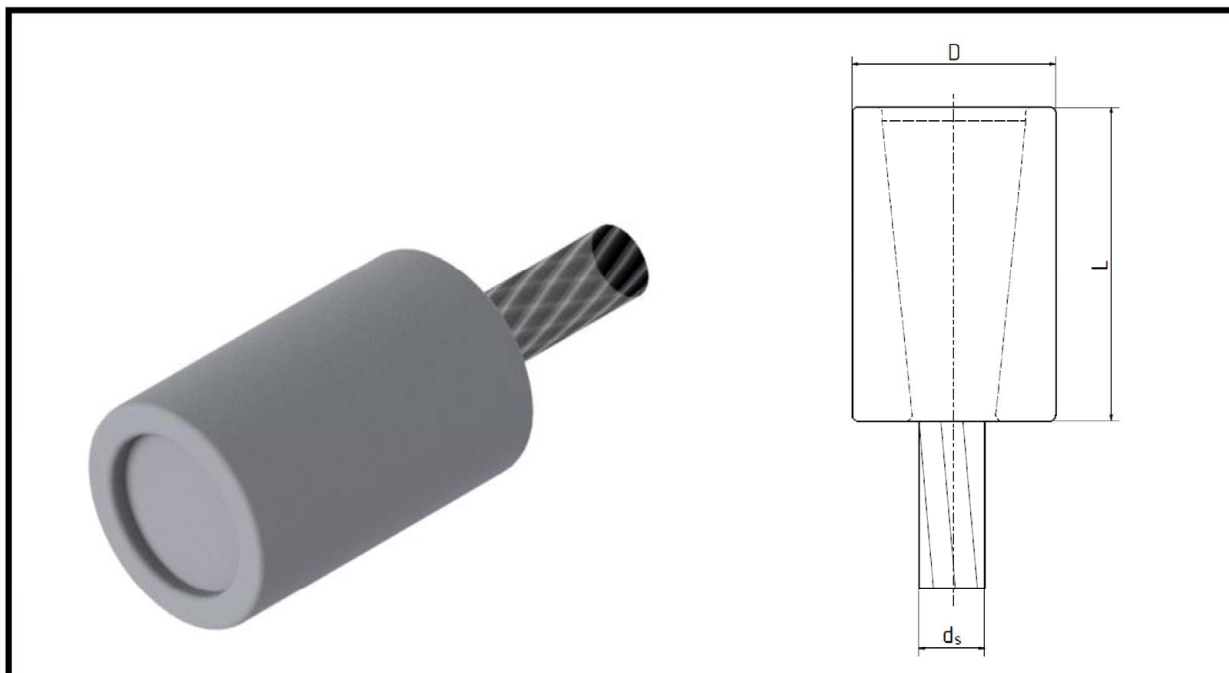


| Size Größe | ds mm | Mi mm | Ma mm | L mm |
|---------------|----------|----------|----------|---------|
| PV 40 | 21 | 42 x 3 | 70 x 4 | 165 |
| PV 60 | 26 | 52 x 3 | 85 x 4 | 200 |
| PV 90 | 31 | 64 x 4 | 100 x 4 | 235 |
| PV 115 | 35 | 75 x 4 | 115 x 6 | 270 |
| PV 150 | 40 | 75 x 4 | 115 x 6 | 270 |
| PV 195 | 45 | 85 x 4 | 130 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 | 128 x 4 | 195 x 6 | 460 |
| PV 490 | 70 | 140 x 4 | 210 x 8 | 495 |
| PV 560 | 75 | 150 x 4 | 225 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 910 | 95 | 195 x 6 | 285 x 8 | 680 |
| PV 1010 | 100 | 205 x 6 | 300 x 8 | 715 |
| 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 | 120 | 245 x 6 | 370 x 8 | 880 |
| PV 1580 | 125 | 260 x 6 | 385 x 10 | 920 |
| 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 | 145 | 300 x 6 | 450 x 10 | 1070 |
| PV2300 | 150 | 310 x 6 | 465 x 10 | 1100 |
| PV2450 | 155 | 325 x 6 | 480 x 10 | 1125 |
| PV2600 | 160 | 335 x 6 | 500 x 10 | 1160 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Cylindrical Socket with Internal and External Thread Type 810
Zylindrische Vergusshülse mit Innen- und Außengewinde Typ 810

Annex D7
Anhang D7

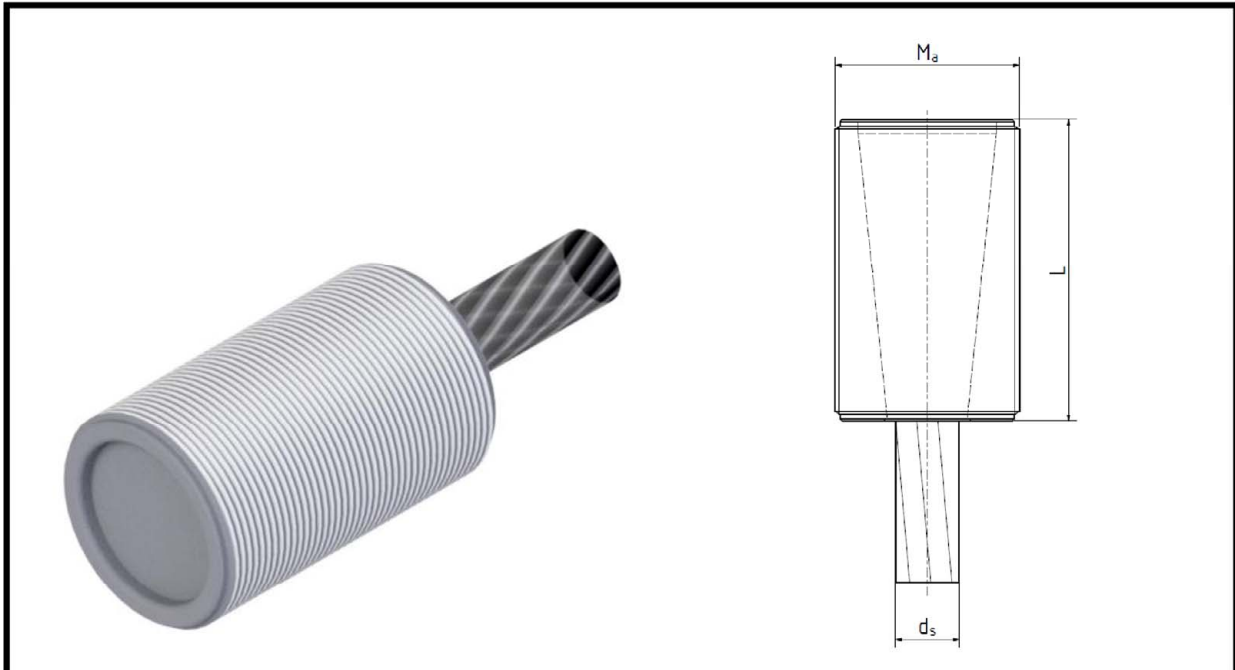


| Size Größe | ds | D | L |
|---------------|-----|-----|-----|
| | mm | mm | mm |
| PV 40 | 21 | 80 | 108 |
| PV 60 | 26 | 95 | 133 |
| PV 90 | 31 | 110 | 158 |
| PV 115 | 35 | 125 | 183 |
| PV 150 | 40 | 125 | 183 |
| PV 195 | 45 | 140 | 208 |
| PV 240 | 50 | 155 | 237 |
| PV 300 | 55 | 170 | 262 |
| PV 360 | 60 | 185 | 287 |
| PV 420 | 65 | 205 | 312 |
| PV 490 | 70 | 220 | 337 |
| PV 560 | 75 | 235 | 362 |
| PV 640 | 80 | 250 | 387 |
| PV 720 | 85 | 265 | 412 |
| PV 810 | 90 | 280 | 441 |
| PV 910 | 95 | 295 | 466 |
| PV 1010 | 100 | 310 | 491 |
| PV 1110 | 105 | 330 | 516 |
| PV 1220 | 110 | 345 | 541 |
| PV 1340 | 115 | 360 | 566 |
| PV 1450 | 120 | 380 | 591 |
| PV 1580 | 125 | 395 | 616 |
| PV 1730 | 130 | 410 | 645 |
| PV 1860 | 135 | 425 | 670 |
| PV 2000 | 140 | 440 | 695 |
| PV2150 | 145 | 475 | 745 |
| PV2300 | 150 | 490 | 770 |
| PV2450 | 155 | 490 | 770 |
| PV2600 | 160 | 510 | 800 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Cylindrical Socket Type 811
Zylindrische Vergusshülse Typ 811

Annex D8
Anhang D8

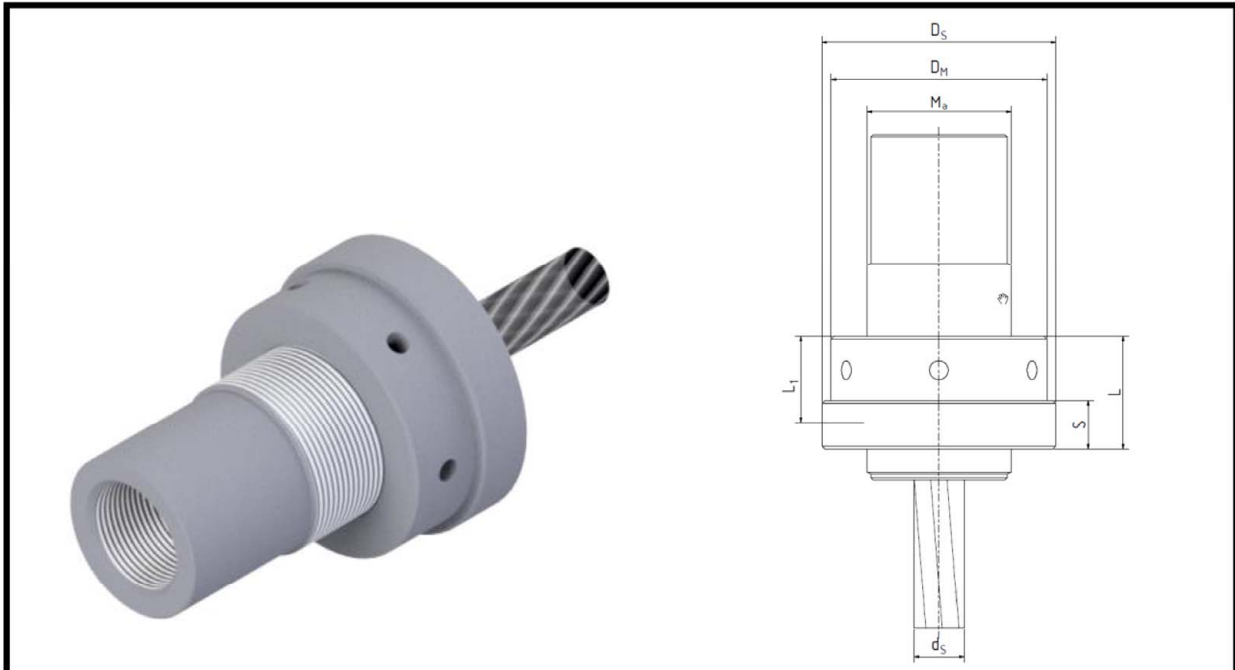


| Size Größe | ds mm | Ma mm | L mm |
|---------------|----------|----------|---------|
| PV 40 | 21 | 70 x 4 | 108 |
| PV 60 | 26 | 85 x 4 | 133 |
| PV 90 | 31 | 100 x 4 | 158 |
| PV 115 | 35 | 115 x 6 | 183 |
| PV 150 | 40 | 115 x 6 | 183 |
| PV 195 | 45 | 130 x 6 | 208 |
| PV 240 | 50 | 145 x 6 | 237 |
| PV 300 | 55 | 160 x 6 | 262 |
| PV 360 | 60 | 175 x 6 | 287 |
| PV 420 | 65 | 195 x 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 | 85 | 255 x 8 | 412 |
| PV 810 | 90 | 270 x 8 | 441 |
| PV 910 | 95 | 285 x 8 | 466 |
| PV 1010 | 100 | 300 x 8 | 491 |
| PV 1110 | 105 | 320 x 8 | 516 |
| PV 1220 | 110 | 335 x 8 | 541 |
| PV 1340 | 115 | 350 x 8 | 566 |
| PV 1450 | 120 | 370 x 8 | 591 |
| PV 1580 | 125 | 385 x 10 | 616 |
| PV 1730 | 130 | 400 x 10 | 645 |
| 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 |
| PV2450 | 155 | 480 x 10 | 770 |
| PV2600 | 160 | 500 x 10 | 800 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Cylindrical Socket with External Thread Type 812
Zylindrische Vergusshülse mit Außengewinde Typ 812

Annex D9
Anhang D9

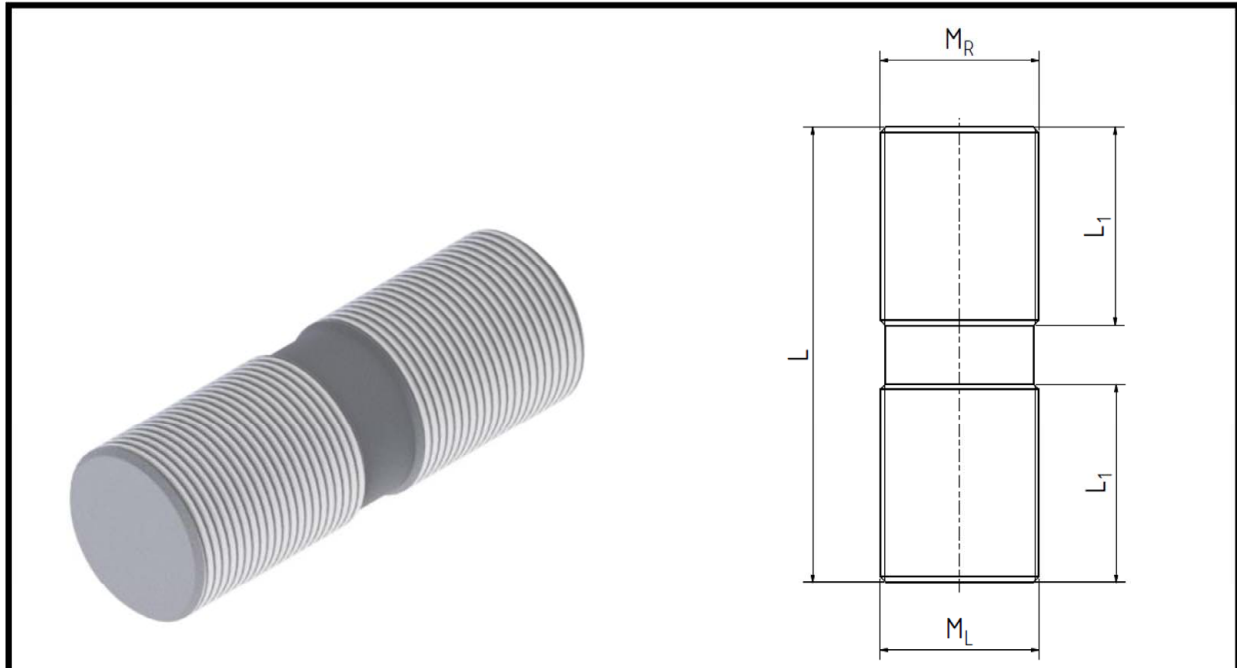


| Size Größe | ds mm | DS mm | DM mm | Ma mm | S mm | L mm | L1 mm |
|---------------|----------|----------|----------|----------|---------|---------|----------|
| PV 40 | 21 | 120 | 105 | 70 x 4 | 25 | 58 | 42 |
| PV 60 | 26 | 140 | 125 | 85 x 4 | 25 | 66 | 52 |
| PV 90 | 31 | 165 | 150 | 100 x 4 | 35 | 82 | 60 |
| PV 115 | 35 | 190 | 170 | 115 x 6 | 35 | 89 | 69 |
| PV 150 | 40 | 190 | 170 | 115 x 6 | 35 | 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 | 137 | 105 |
| PV 420 | 65 | 310 | 290 | 195 x 6 | 65 | 156 | 117 |
| PV 490 | 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 | 90 | 430 | 405 | 270 x 8 | 85 | 211 | 162 |
| PV 910 | 95 | 450 | 425 | 285 x 8 | 95 | 228 | 171 |
| 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 | 115 | 550 | 525 | 350 x 8 | 115 | 278 | 210 |
| PV 1450 | 120 | 580 | 555 | 370 x 8 | 115 | 286 | 222 |
| 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 | 645 | 430 x 10 | 135 | 334 | 258 |
| PV2150 | 145 | 705 | 675 | 450 x 10 | 145 | 354 | 270 |
| 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 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Spherical Nut / Spherical Disc Type 813 / 814
Sphärische Mutter / Sphärische Scheibe Typ 813 / 814

Annex D10
Anhang D10

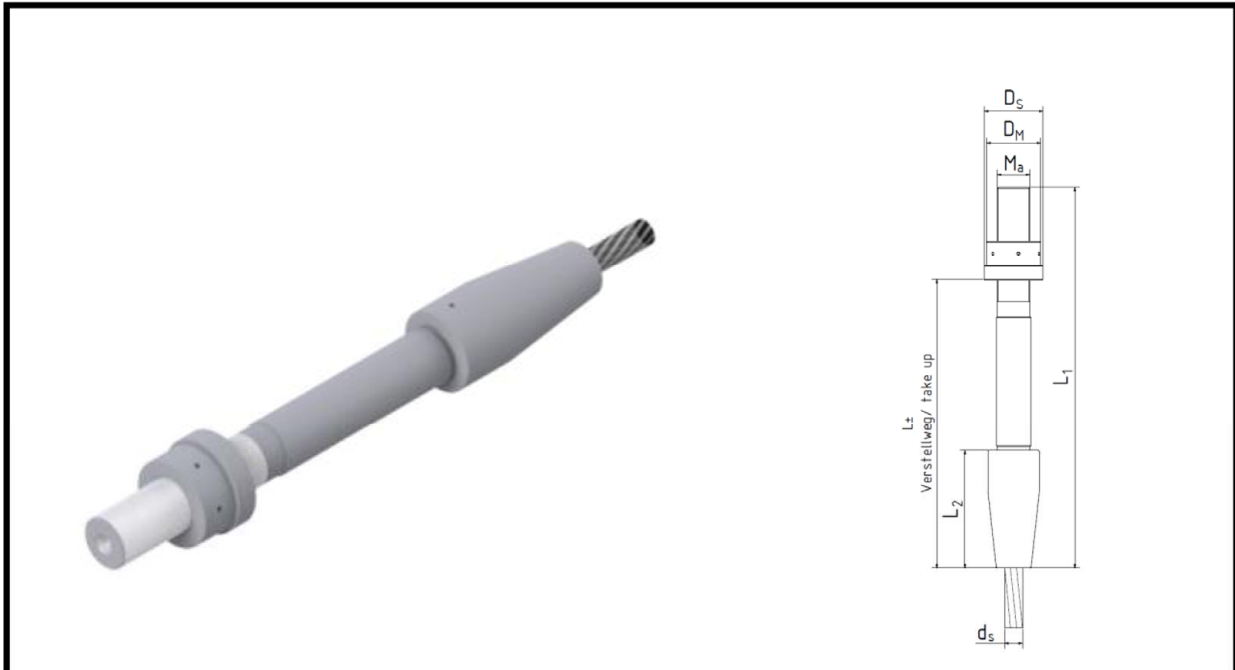


| Size Größe | MR mm | ML mm | L mm | L1 mm |
|---------------|----------|----------|---------|----------|
| PV 40 | 42 x 3 | 42 x 3 | 160 | 65 |
| PV 60 | 52 x 3 | 52 x 3 | 180 | 75 |
| PV 90 | 64 x 4 | 64 x 4 | 200 | 85 |
| PV 115 | 75 x 4 | 75 x 4 | 220 | 95 |
| PV 150 | 75 x 4 | 75 x 4 | 220 | 95 |
| PV 195 | 85 x 4 | 85 x 4 | 240 | 105 |
| PV 240 | 95 x 4 | 95 x 4 | 280 | 125 |
| PV 300 | 108 x 4 | 108 x 4 | 310 | 135 |
| PV 360 | 118 x 4 | 118 x 4 | 330 | 145 |
| PV 420 | 128 x 4 | 128 x 4 | 360 | 160 |
| PV 490 | 140 x 4 | 140 x 4 | 380 | 170 |
| PV 560 | 150 x 4 | 150 x 4 | 400 | 180 |
| PV 640 | 160 x 4 | 160 x 4 | 420 | 190 |
| PV 720 | 172 x 4 | 172 x 4 | 450 | 200 |
| PV 810 | 185 x 6 | 185 x 6 | 490 | 220 |
| PV 910 | 195 x 6 | 195 x 6 | 510 | 230 |
| PV 1010 | 205 x 6 | 205 x 6 | 530 | 240 |
| PV 1110 | 215 x 6 | 215 x 6 | 570 | 260 |
| PV 1220 | 225 x 6 | 225 x 6 | 600 | 275 |
| PV 1340 | 235 x 6 | 235 x 6 | 640 | 290 |
| PV 1450 | 245 x 6 | 245 x 6 | 670 | 305 |
| PV 1580 | 260 x 6 | 260 x 6 | 700 | 320 |
| PV 1730 | 270 x 6 | 270 x 6 | 730 | 335 |
| PV 1860 | 280 x 6 | 280 x 6 | 760 | 350 |
| PV 2000 | 290 x 6 | 290 x 6 | 790 | 365 |
| PV2150 | 300 x 6 | 300 x 6 | 820 | 370 |
| PV2300 | 310 x 6 | 310 x 6 | 830 | 375 |
| PV2450 | 325 x 6 | 325 x 6 | 830 | 375 |
| PV2600 | 335 x 6 | 335 x 6 | 850 | 385 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Threaded Rod Type 840
Gewindestange Typ 840

Annex D11
Anhang D11

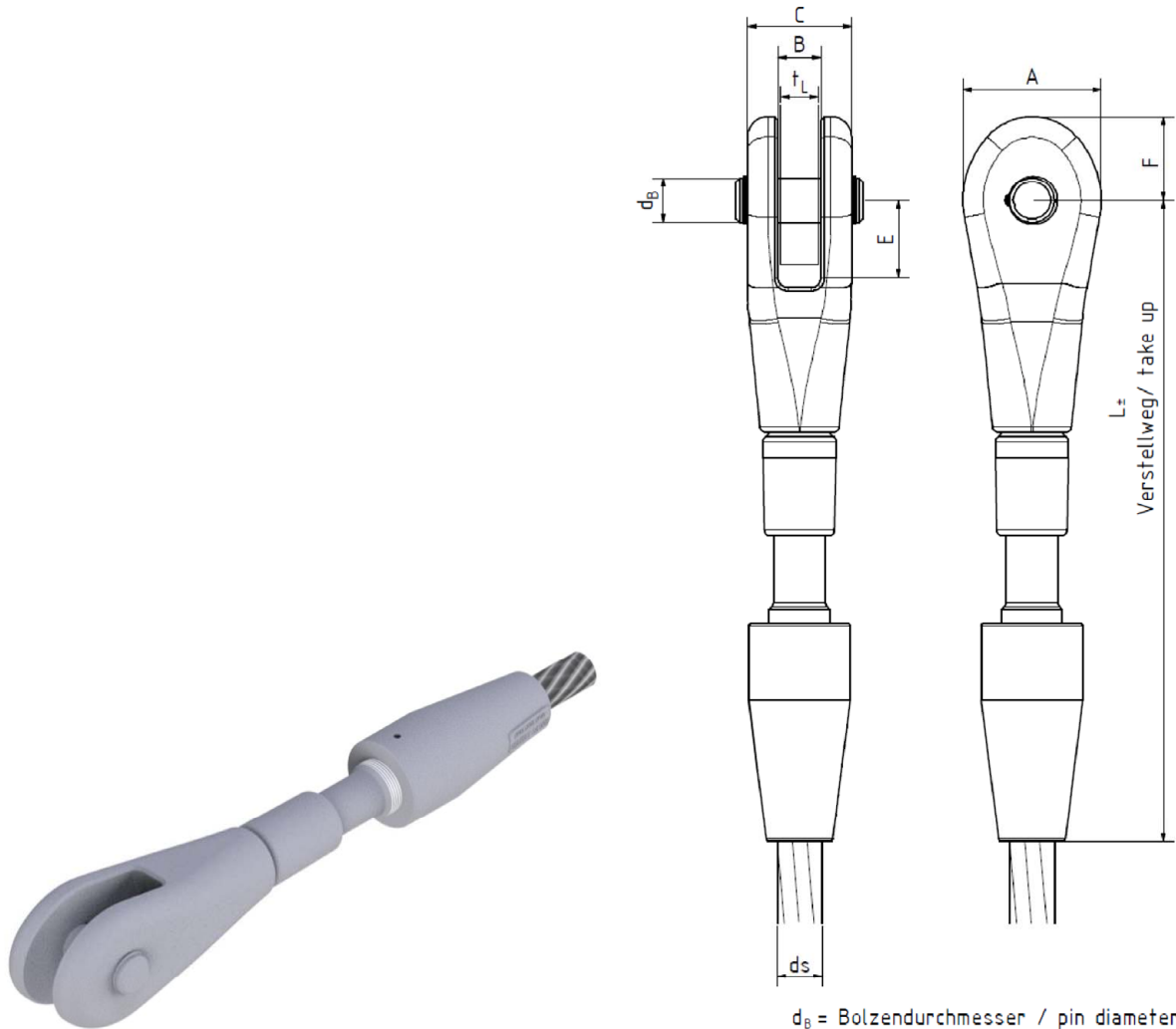


| Size Größe | ds mm | DS mm | DM mm | Ma mm | L mm | L1 mm | L2 mm | take up Verstellweg ± mm |
|---------------|----------|----------|----------|----------|---------|----------|----------|--------------------------------|
| PV 40 | 21 | 75 | 70 | 42 x 3 | 449 | 632 | 165 | 100 |
| PV 60 | 26 | 95 | 90 | 52 x 3 | 527 | 730 | 200 | 100 |
| PV 90 | 31 | 115 | 110 | 64 x 4 | 615 | 839 | 235 | 101 |
| 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 | 50 | 170 | 160 | 95 x 4 | 861 | 1142 | 350 | 103 |
| PV 300 | 55 | 195 | 180 | 108 x 4 | 950 | 1256 | 385 | 103 |
| PV 360 | 60 | 215 | 200 | 118 x 4 | 1028 | 1352 | 420 | 104 |
| 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 | 80 | 290 | 265 | 160 x 4 | 1352 | 1768 | 565 | 110 |
| PV 720 | 85 | 310 | 285 | 172 x 4 | 1439 | 1871 | 600 | 112 |
| PV 810 | 90 | 335 | 305 | 185 x 6 | 1546 | 1996 | 645 | 114 |
| 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 |
| PV 1220 | 110 | 405 | 370 | 225 x 6 | 1874 | 2404 | 800 | 121 |
| PV 1340 | 115 | 425 | 385 | 235 x 6 | 1957 | 2501 | 840 | 123 |
| PV 1450 | 120 | 440 | 405 | 245 x 6 | 2041 | 2599 | 880 | 125 |
| PV 1580 | 125 | 470 | 430 | 260 x 6 | 2148 | 2749 | 920 | 129 |
| PV 1730 | 130 | 485 | 445 | 270 x 6 | 2231 | 2848 | 960 | 131 |
| PV 1860 | 135 | 505 | 460 | 280 x 6 | 2315 | 2958 | 1000 | 134 |
| PV 2000 | 140 | 520 | 480 | 290 x 6 | 2400 | 3057 | 1040 | 136 |
| PV2150 | 145 | 540 | 495 | 300 x 6 | 2470 | 3156 | 1070 | 140 |
| PV2300 | 150 | 560 | 510 | 310 x 6 | 2550 | 3245 | 1100 | 145 |
| PV2450 | 155 | 580 | 535 | 325 x 6 | 2645 | 3375 | 1125 | 152 |
| PV2600 | 160 | 600 | 550 | 335 x 6 | 2730 | 3469 | 1160 | 157 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Spherical Anchor Type 850
Sphärischer Anker Typ 850

Annex D12
Anhang D12

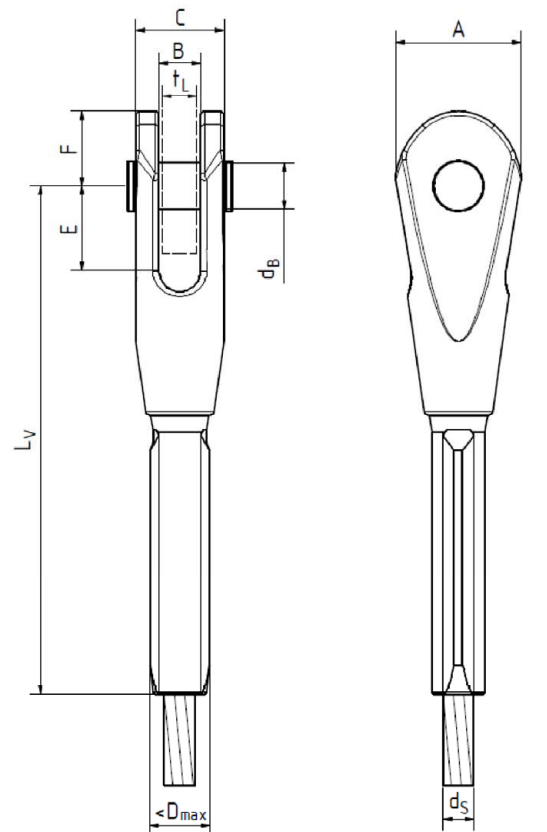


| Size Größe | ds mm | A mm | B mm | C mm | dB mm | E mm | F mm | tL mm | L mm | take up Verstellweg ± mm |
|---------------|----------|---------|---------|---------|----------|---------|---------|----------|---------|--------------------------------|
| PV 40 | 21 | 90 | 28 | 72 | 32 | 57 | 58 | 25 | 480 | 35 |
| PV 60 | 26 | 104 | 33 | 84 | 36 | 63 | 66 | 30 | 560 | 42 |
| PV 90 | 31 | 120 | 38 | 96 | 40 | 68 | 74 | 35 | 630 | 41 |
| PV 115 | 35 | 148 | 43 | 112 | 50 | 84 | 91 | 40 | 740 | 47 |
| PV 150 | 40 | 170 | 53 | 128 | 55 | 95 | 103 | 50 | 790 | 50 |
| PV 195 | 45 | 185 | 58 | 140 | 60 | 103 | 113 | 55 | 870 | 55 |
| PV 240 | 50 | 210 | 68 | 160 | 70 | 117 | 132 | 65 | 1000 | 67 |
| PV 300 | 55 | 240 | 78 | 180 | 79 | 132 | 150 | 75 | 1090 | 70 |
| PV 360 | 60 | 265 | 83 | 200 | 89 | 150 | 165 | 80 | 1210 | 75 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Conical Socket with Fork End Type 864
Konische Vergusshülse mit Gabelkopf Typ 864

Annex D13
Anhang D13



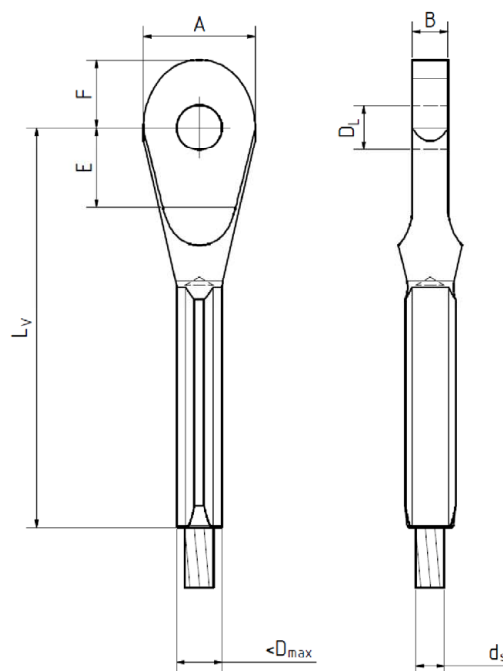
d_B = Bolzendurchmesser / pin diameter

| Size Größe | ds mm | A mm | B mm | C mm | Dmax mm | dB mm | E mm | F mm | tL min mm | ~Lv mm |
|---------------|----------|---------|---------|---------|------------|----------|---------|---------|-----------------|-----------|
| PG 5 | 8,1 | 33 | 12,5 | 25 | 16 | 12 | 24 | 20 | 10 | 135 |
| PG 10 | 10,1 | 42 | 14,5 | 30 | 20 | 15 | 29 | 25 | 12 | 167 |
| PG 15 | 12,2 | 51 | 17,5 | 37 | 25 | 19 | 35 | 30 | 15 | 200 |
| PG 20 | 14,1 | 60 | 20,5 | 42 | 30 | 22 | 41 | 35 | 18 | 234 |
| PG 25 | 17,0 | 70 | 22,5 | 49 | 34 | 25 | 48 | 40 | 20 | 276 |
| PG 40 | 20,1 | 83 | 28,0 | 59 | 40 | 30 | 59 | 49 | 25 | 335 |
| PG 55 | 24,4 | 102 | 28,0 | 70 | 49 | 33 | 66 | 60 | 25 | 403 |
| PG 75 | 28,3 | 118 | 33,0 | 82 | 57 | 40 | 77 | 69 | 30 | 471 |
| PG 90 | 31,3 | 127 | 38,0 | 87 | 64 | 45 | 84 | 74 | 35 | 514 |
| PG 125 | 36,3 | 149 | 49,0 | 105 | 71 | 55 | 102 | 89 | 45 | 604 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Open Swaged Fitting Type 980
Gabelfitting Typ 980

Annex E1
Anhang E1

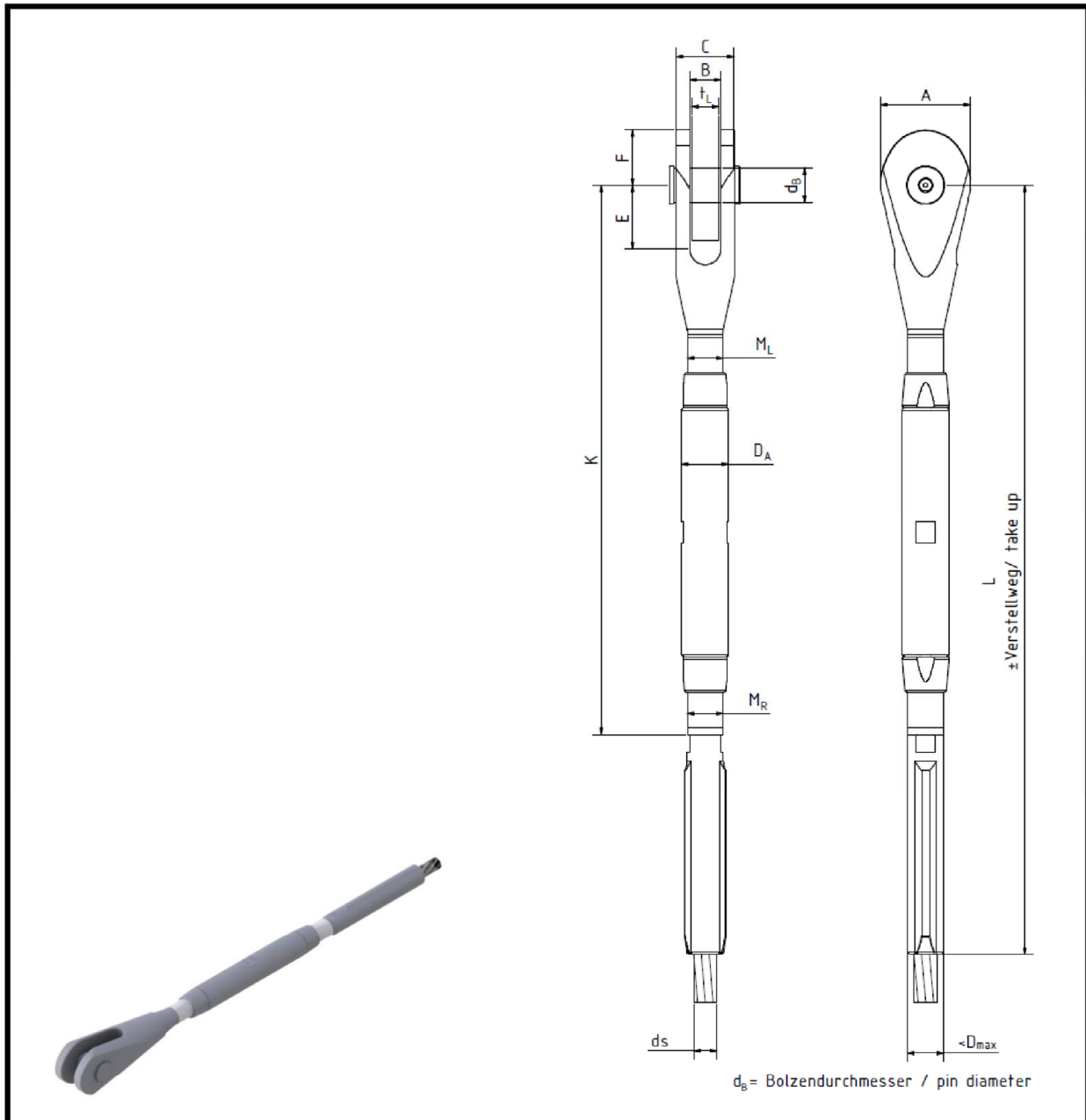


| Size Größe | ds mm | A mm | B mm | Dmax mm | DL mm | E mm | F mm | ~Lv mm |
|---------------|----------|---------|---------|------------|----------|---------|---------|-----------|
| PG 5 | 8,1 | 32 | 10 | 16 | 13 | 24 | 20 | 120 |
| PG 10 | 10,1 | 40 | 12 | 20 | 16 | 29 | 24 | 145 |
| PG 15 | 12,2 | 50 | 15 | 25 | 20 | 35 | 30 | 175 |
| PG 20 | 14,1 | 57 | 18 | 30 | 23 | 41 | 35 | 204 |
| PG 25 | 17,0 | 67 | 20 | 34 | 27 | 48 | 41 | 245 |
| PG 40 | 20,1 | 80 | 25 | 40 | 32 | 59 | 48 | 286 |
| PG 55 | 24,4 | 96 | 25 | 49 | 35 | 66 | 57 | 338 |
| PG 75 | 28,3 | 110 | 30 | 57 | 42 | 77 | 67 | 392 |
| PG 90 | 31,3 | 117 | 35 | 64 | 47 | 84 | 71 | 437 |
| PG 125 | 36,3 | 142 | 45 | 71 | 57 | 102 | 86 | 515 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Closed Swaged Fitting Type 982
Ösenfitting Typ 982

Annex E2
Anhang E2

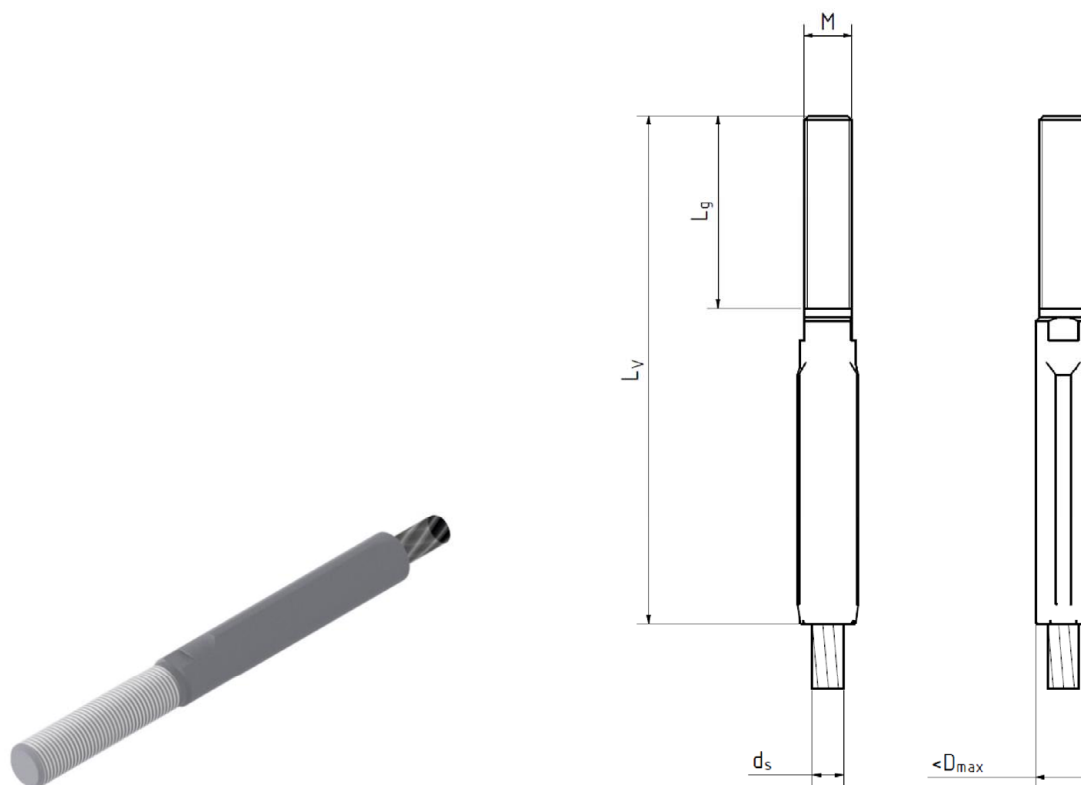


| Size Größe | ds | A | B | C | DA | Dmax | dB | E | F | M | tL min | ~L | take up Verstellweg ± mm | K |
|---------------|------|-----|------|-----|------|------|----|-----|----|----|-----------|------|--------------------------------|-----|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PG 5 | 8,1 | 33 | 12,5 | 25 | 18,5 | 16 | 12 | 24 | 20 | 14 | 10 | 310 | 28 | 230 |
| PG 10 | 10,1 | 42 | 14,5 | 30 | 22 | 20 | 15 | 29 | 25 | 16 | 12 | 369 | 32 | 270 |
| PG 15 | 12,2 | 51 | 17,5 | 37 | 27 | 25 | 19 | 35 | 30 | 20 | 15 | 455 | 40 | 335 |
| PG 20 | 14,1 | 60 | 20,5 | 42 | 33 | 30 | 22 | 41 | 35 | 24 | 18 | 537 | 48 | 397 |
| PG 25 | 17,0 | 70 | 22,5 | 49 | 37 | 34 | 25 | 48 | 40 | 27 | 20 | 619 | 54 | 450 |
| PG 40 | 20,1 | 83 | 28 | 59 | 43 | 40 | 30 | 59 | 49 | 30 | 25 | 723 | 60 | 525 |
| PG 55 | 24,4 | 102 | 28 | 70 | 51 | 49 | 33 | 66 | 60 | 36 | 25 | 875 | 72 | 635 |
| PG 75 | 28,3 | 118 | 33 | 82 | 60 | 57 | 40 | 77 | 69 | 42 | 30 | 1017 | 84 | 738 |
| PG 90 | 31,3 | 127 | 38 | 87 | 67 | 64 | 45 | 84 | 74 | 48 | 35 | 1133 | 96 | 824 |
| PG 125 | 36,3 | 149 | 49 | 105 | 78 | 71 | 55 | 102 | 89 | 56 | 45 | 1313 | 112 | 956 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Adjustable Open Swaged Fitting Type 984
Gabelstellschloss Typ 984

Annex E3
Anhang E3

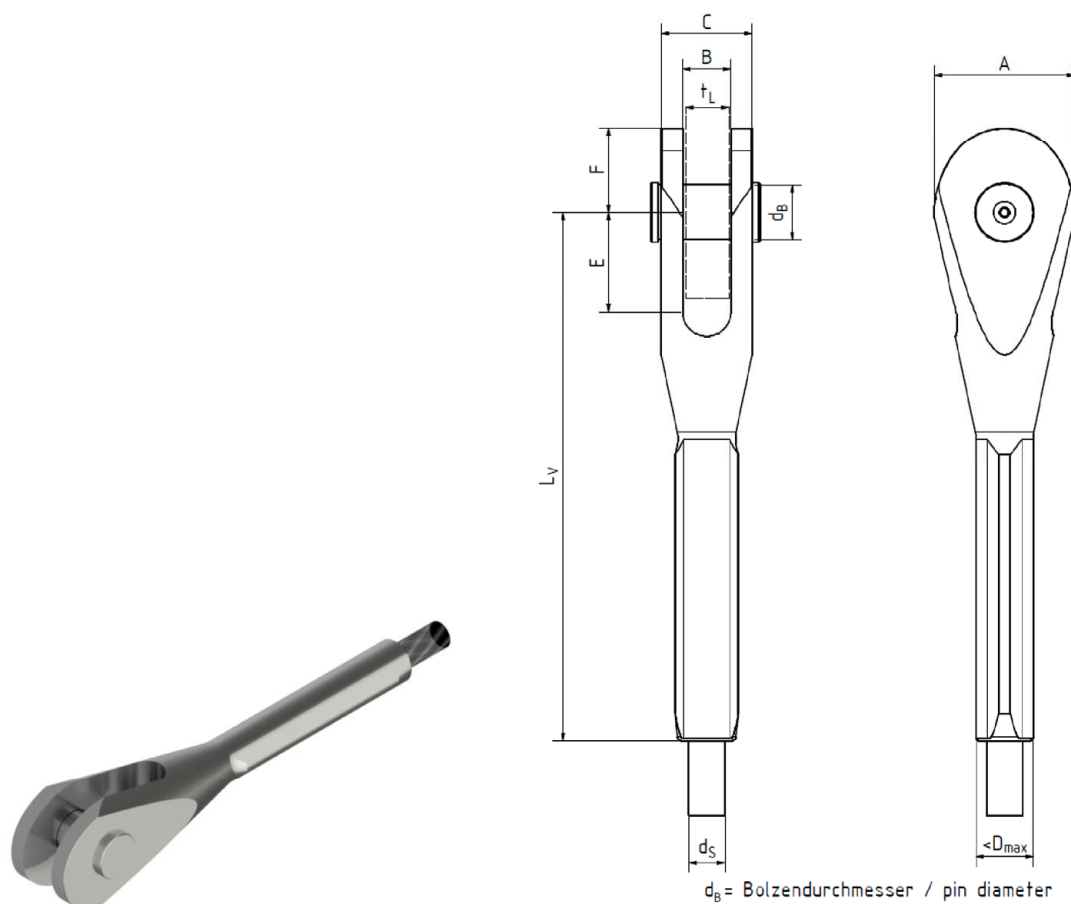


| Size Größe | ds mm | Dmax mm | M mm | Lg mm | ~Lv mm |
|---------------|----------|------------|---------|----------|-----------|
| PG 5 | 8,1 | 16 | 14 | 56 | 140 |
| PG 10 | 10,1 | 20 | 16 | 64 | 167 |
| PG 15 | 12,2 | 25 | 20 | 80 | 205 |
| PG 20 | 14,1 | 30 | 24 | 96 | 242 |
| PG 25 | 17,0 | 34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

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting Type 988
Gewindefitting Typ 988

Annex E4
Anhang E4

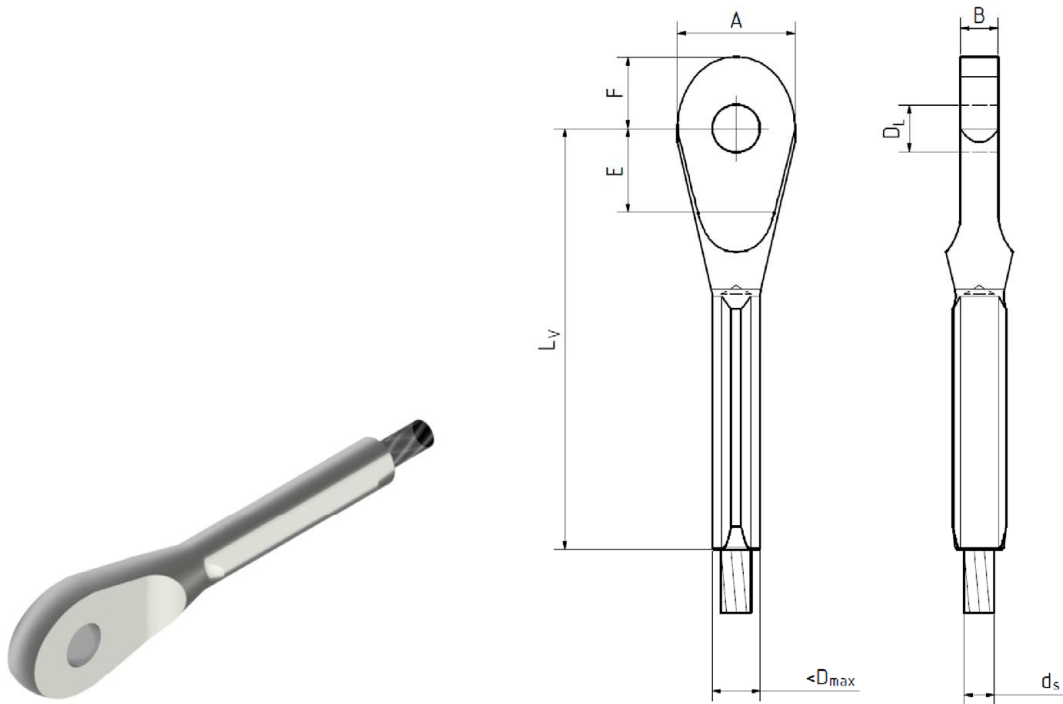


| Size Größe | ds mm | A mm | B mm | C mm | Dmax mm | dB mm | E mm | F mm | tL mm | ~Lv mm |
|---------------|----------|---------|---------|---------|------------|----------|---------|---------|----------|-----------|
| PE 3 | 6,1 | 25 | 10,5 | 18 | 13 | 9 | 18 | 15 | 8 | 99 |
| PE 5 | 8,1 | 32 | 12,5 | 23 | 15 | 12 | 24 | 20 | 10 | 127 |
| PE 7 | 10,1 | 40 | 14,5 | 27 | 20 | 15 | 29 | 24 | 12 | 153 |
| PE 10 | 11,9 | 50 | 17,5 | 33 | 22 | 19 | 35 | 30 | 15 | 187 |
| PE 15 | 14,1 | 57 | 20,5 | 38 | 26 | 22 | 41 | 35 | 18 | 218 |
| PE 20 | 16,6 | 67 | 22,5 | 43 | 30 | 25 | 48 | 41 | 20 | 253 |
| PE 30 | 20,5 | 80 | 28,0 | 52 | 39 | 30 | 59 | 48 | 25 | 303 |
| PE 45 | 24,1 | 96 | 28,0 | 58 | 44 | 34 | 66 | 57 | 25 | 375 |
| PE 60 | 28,6 | 110 | 33,0 | 68 | 51 | 40 | 77 | 67 | 30 | 415 |
| PE 75 | 32,1 | 117 | 38,0 | 76 | 59 | 45 | 84 | 71 | 35 | 458 |
| PE 100 | 36,6 | 142 | 49,0 | 92 | 65 | 55 | 102 | 86 | 45 | 535 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Open Swaged Fitting Type 981
Gabelfitting Typ 981

Annex F1
Anhang F1

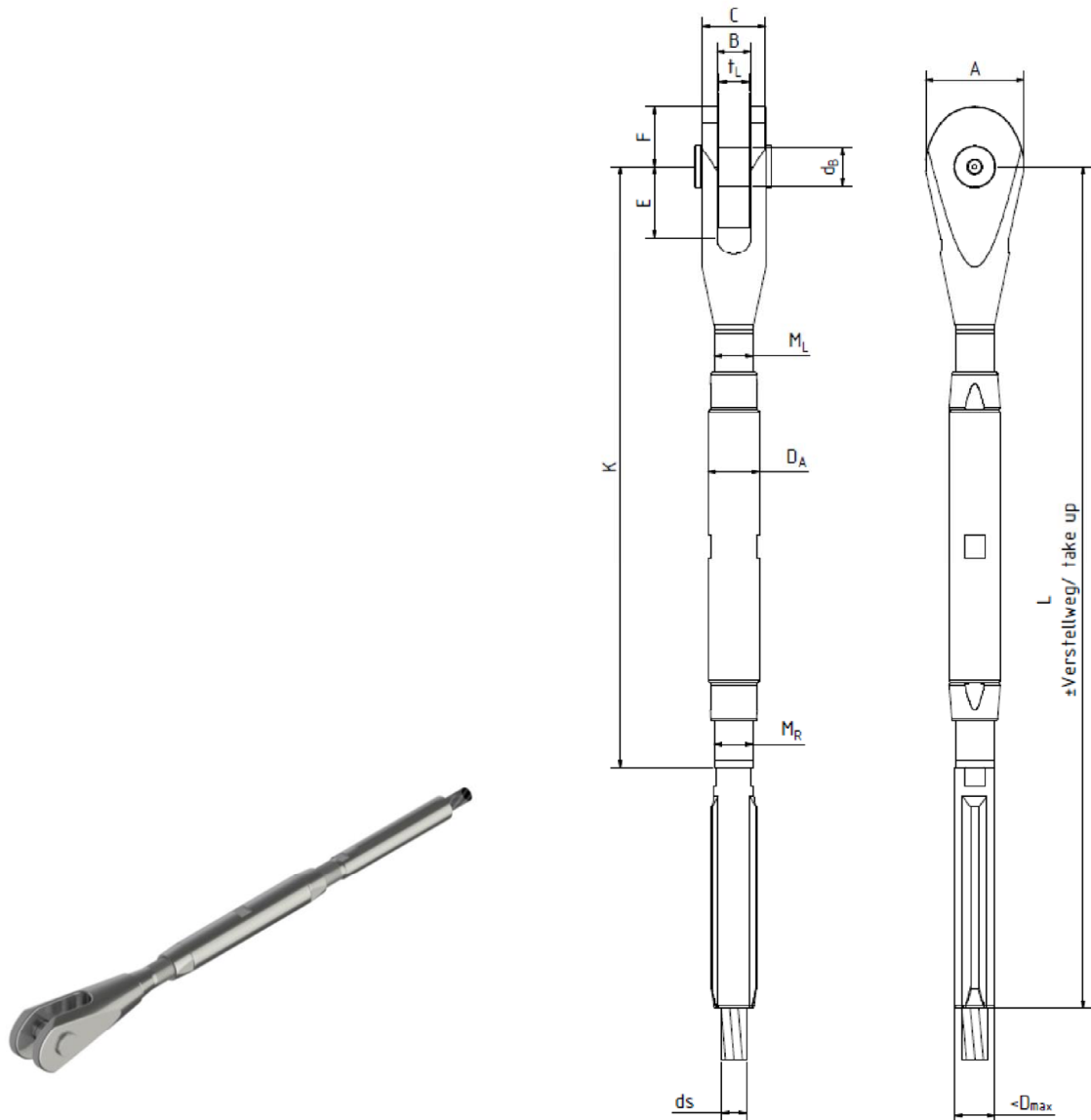


| Size Größe | ds mm | A mm | B mm | Dmax mm | DL mm | E mm | F mm | ~Lv mm |
|---------------|----------|---------|---------|------------|----------|---------|---------|-----------|
| PE 3 | 6,1 | 25 | 8 | 13 | 11 | 18 | 15 | 85 |
| PE 5 | 8,1 | 32 | 10 | 15 | 14 | 24 | 20 | 118 |
| PE 7 | 10,1 | 40 | 12 | 20 | 16 | 29 | 24 | 140 |
| PE 10 | 11,9 | 50 | 15 | 22 | 20 | 35 | 30 | 178 |
| PE 15 | 14,1 | 57 | 18 | 26 | 23 | 41 | 35 | 203 |
| PE 20 | 16,6 | 67 | 20 | 30 | 27 | 48 | 41 | 230 |
| PE 30 | 20,5 | 80 | 25 | 39 | 32 | 59 | 48 | 283 |
| PE 45 | 24,1 | 96 | 25 | 44 | 37 | 66 | 57 | 337 |
| PE 60 | 28,6 | 110 | 30 | 51 | 43 | 77 | 67 | 391 |
| PE 75 | 32,1 | 117 | 35 | 59 | 48 | 84 | 71 | 437 |
| PE 100 | 36,6 | 142 | 45 | 65 | 57 | 102 | 86 | 508 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Closed Swaged Fitting Type 983
Ösenfitting Typ 983

Annex F2
Anhang F2



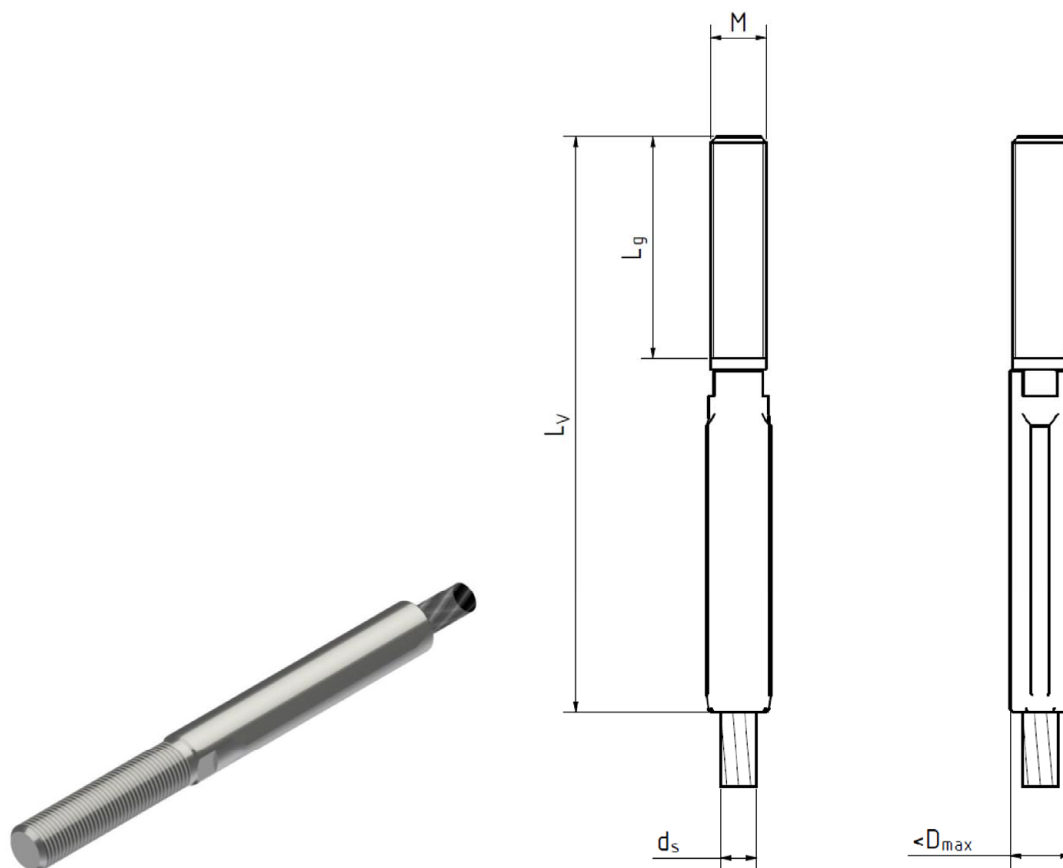
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d_s mm | A mm | B mm | C mm | D_A mm | D_{max} mm | d_B mm | E mm | F mm | M mm | t_L min mm | $\sim L$ mm | take up Verstellweg \pm mm | K mm |
|---------------|-------------|---------|---------|---------|-------------|-----------------|-------------|---------|---------|---------|--------------------|----------------|------------------------------------|---------|
| PE 3 | 6,1 | 25 | 10,5 | 18 | 14 | 13 | 9 | 18 | 15 | 10 | 8 | 225 | 20 | 165 |
| PE 5 | 8,1 | 32 | 12,5 | 23 | 18,0 | 15 | 12 | 24 | 20 | 14 | 10 | 294 | 28 | 216 |
| PE 7 | 10,1 | 40 | 14,5 | 27 | 22 | 20 | 15 | 29 | 24 | 16 | 12 | 353 | 32 | 255 |
| PE 10 | 11,9 | 50 | 17,5 | 33 | 27 | 22 | 19 | 35 | 30 | 20 | 15 | 427 | 40 | 310 |
| PE 15 | 14,1 | 57 | 20,5 | 38 | 32 | 26 | 22 | 41 | 35 | 24 | 18 | 503 | 48 | 367 |
| PE 20 | 16,6 | 67 | 22,5 | 43 | 37 | 30 | 25 | 48 | 41 | 27 | 20 | 575 | 54 | 420 |
| PE 30 | 20,5 | 80 | 28,0 | 52 | 42 | 39 | 30 | 59 | 48 | 30 | 25 | 680 | 60 | 484 |
| PE 45 | 24,1 | 96 | 28,0 | 58 | 49 | 44 | 34 | 66 | 57 | 36 | 25 | 816 | 72 | 583 |
| PE 60 | 28,6 | 110 | 33,0 | 68 | 59 | 51 | 40 | 77 | 67 | 42 | 30 | 927 | 84 | 656 |
| PE 75 | 32,1 | 117 | 38,0 | 76 | 64 | 59 | 45 | 84 | 71 | 48 | 35 | 1047 | 96 | 736 |
| PE 100 | 36,6 | 142 | 49,0 | 92 | 74 | 65 | 55 | 102 | 86 | 56 | 45 | 1215 | 112 | 868 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Adjustable Open Swaged Fitting Type 985
Gabelstellschloss Typ 985

Annex F3
Anhang F3

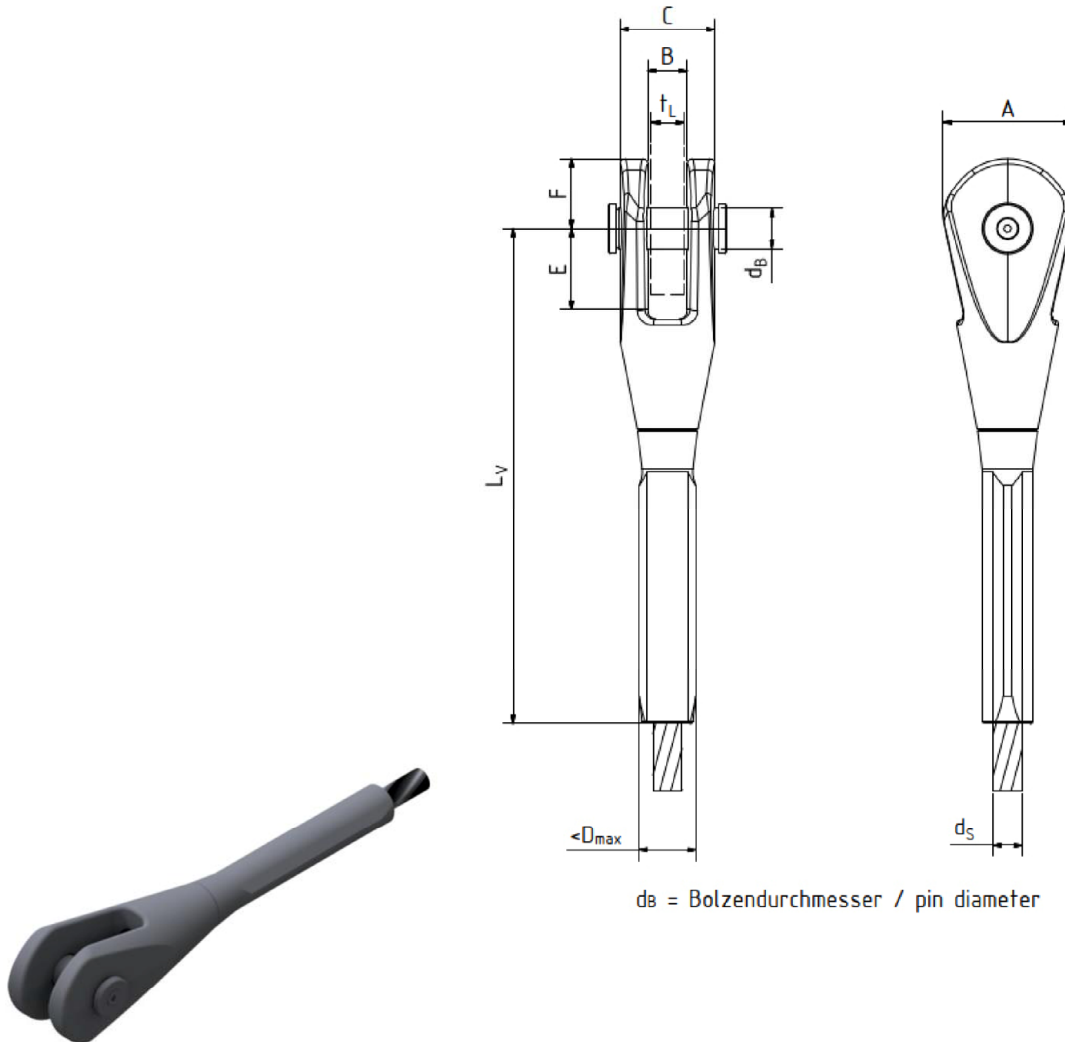


| Size Größe | ds | M | Dmax | Lg | ~Lv |
|---------------|------|----|------|-----|-----|
| | mm | mm | mm | mm | mm |
| PE 3 | 6,1 | 10 | 13 | 40 | 103 |
| PE 5 | 8,1 | 14 | 15 | 56 | 138 |
| PE 7 | 10,1 | 16 | 20 | 64 | 166 |
| PE 10 | 11,9 | 20 | 22 | 80 | 202 |
| PE 15 | 14,1 | 24 | 26 | 96 | 238 |
| PE 20 | 16,6 | 27 | 30 | 108 | 269 |
| PE 30 | 20,5 | 30 | 39 | 120 | 323 |
| PE 45 | 24,1 | 36 | 44 | 144 | 385 |
| PE 60 | 28,6 | 42 | 51 | 168 | 448 |
| PE 75 | 32,1 | 48 | 59 | 192 | 513 |
| PE 100 | 36,6 | 56 | 65 | 224 | 582 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting Type 989
Gewindefitting Typ 989

Annex F4
Anhang F4



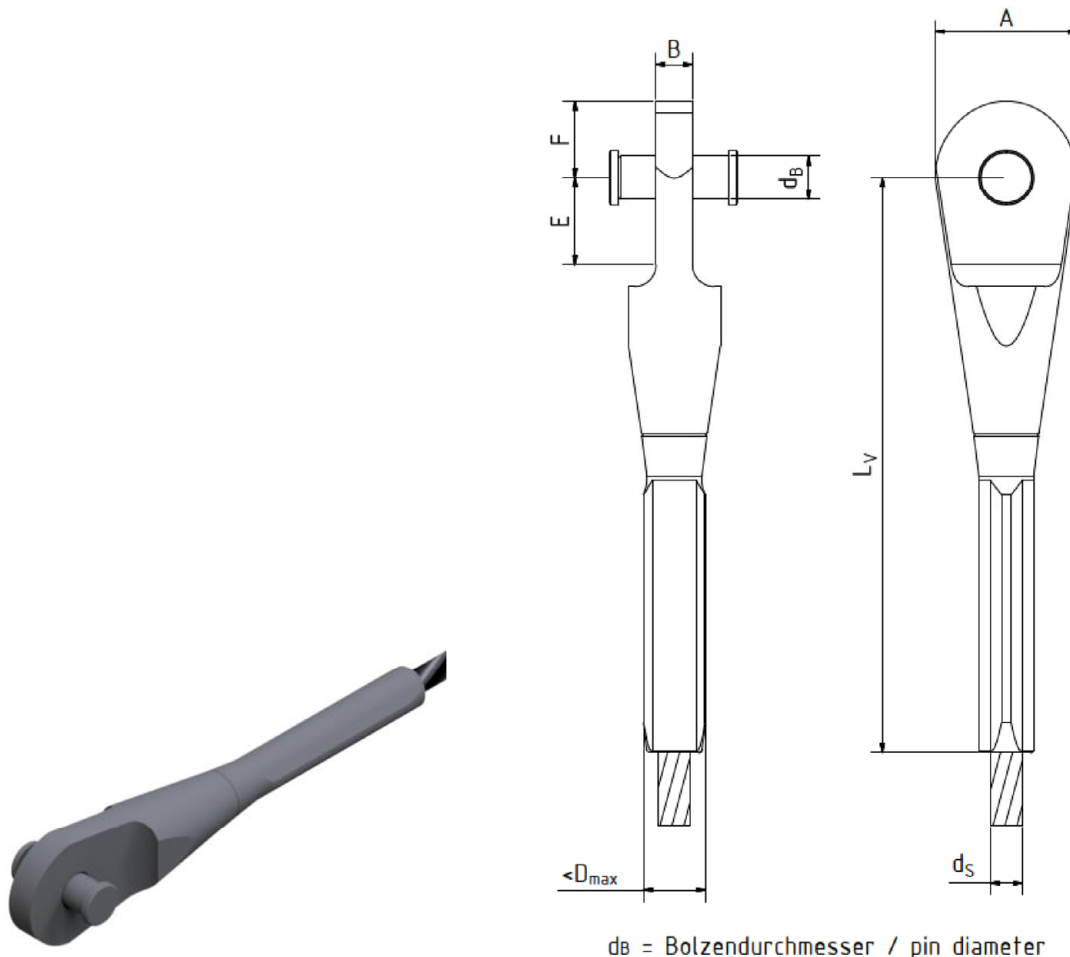
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d _s mm | A mm | B mm | C mm | d _B mm | D _{max} mm | E mm | F mm | t _L mm | ~L _v mm |
|---------------|----------------------|---------|---------|---------|----------------------|------------------------|---------|---------|----------------------|-----------------------|
| PG 008 | 5,5 | 26,0 | 10,0 | 21,0 | 8 | 13 | 18,5 | 14,5 | 8,0 | 97,0 |
| PG 010 | 7,0 | 32,0 | 12,0 | 25,6 | 10 | 15 | 22,5 | 17,5 | 10,0 | 120,0 |
| PG 012 | 8,4 | 38,5 | 14,0 | 31,0 | 12 | 16 | 27,5 | 21,5 | 12,0 | 148,0 |
| PG 014 | 9,9 | 47,0 | 17,0 | 36,0 | 14 | 20 | 32,0 | 26,0 | 15,0 | 174,0 |
| PG 016 | 11,5 | 53,0 | 18,0 | 40,0 | 16 | 22 | 37,0 | 29,0 | 15,0 | 198,0 |
| PG 020 | 14,5 | 66,0 | 23,0 | 51,0 | 20 | 30 | 45,0 | 35,0 | 20,0 | 245,0 |
| PG 024 | 17,4 | 77,0 | 23,5 | 56,5 | 24 | 34 | 54,0 | 42,0 | 20,0 | 295,0 |
| PG 027 | 19,8 | 87,5 | 23,5 | 61,5 | 27 | 39 | 60,0 | 48,0 | 20,0 | 334,0 |
| PG 030 | 21,9 | 98,0 | 28,5 | 70,5 | 30 | 44 | 65,0 | 53,0 | 25,0 | 366,0 |
| PG 036 | 26,4 | 115,0 | 28,5 | 79,5 | 36 | 50 | 76,0 | 62,0 | 25,0 | 442,0 |
| PG 042 | 30,9 | 133,0 | 34,0 | 94,0 | 42 | 59 | 86,0 | 72,0 | 30,0 | 515,0 |
| PG 048 | 35,4 | 151,0 | 39,0 | 108,0 | 48 | 66 | 96,0 | 82,0 | 35,0 | 583,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Open Swaged Fitting Type 620
Gabelfitting Typ 620

Annex G1
Anhang G1



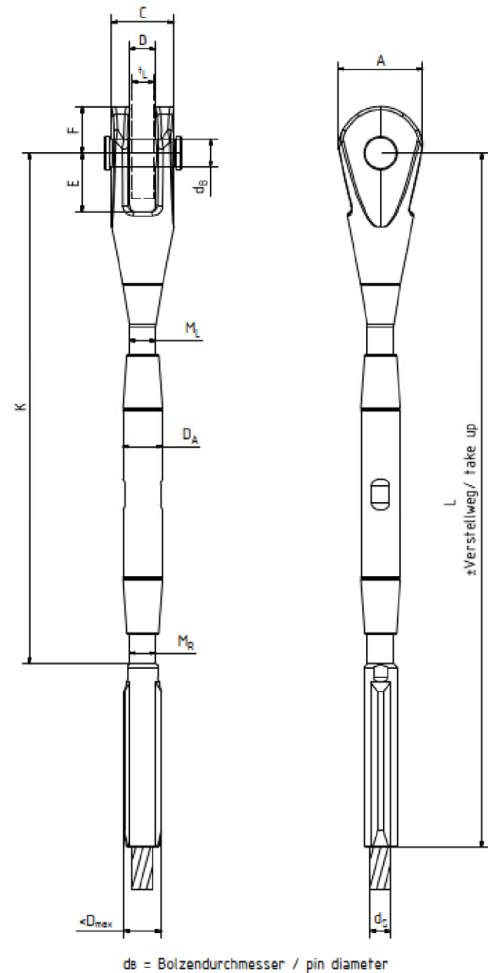
dB = Bolzendurchmesser / pin diameter

| Size Größe | ds | A | B | dB | Dmax | E | F | ~Lv |
|---------------|------|-----|----|----|------|------|------|-------|
| | mm | mm | mm | mm | mm | mm | mm | mm |
| 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 | 78 | 20 | 24 | 34 | 48,0 | 42,0 | 316,0 |
| PG 027 | 19,8 | 88 | 20 | 27 | 39 | 54,0 | 48,0 | 358,5 |
| PG 030 | 21,9 | 98 | 25 | 30 | 44 | 59,0 | 53,0 | 392,0 |
| PG 036 | 26,4 | 115 | 25 | 36 | 50 | 66,0 | 62,0 | 472,5 |
| PG 042 | 30,9 | 135 | 30 | 42 | 59 | 78,0 | 72,0 | 553,5 |
| PG 048 | 35,4 | 153 | 35 | 48 | 66 | 87,0 | 82,0 | 626,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Closed Swaged Fitting Type 622
Ösenfitting Typ 622

Annex G2
Anhang G2



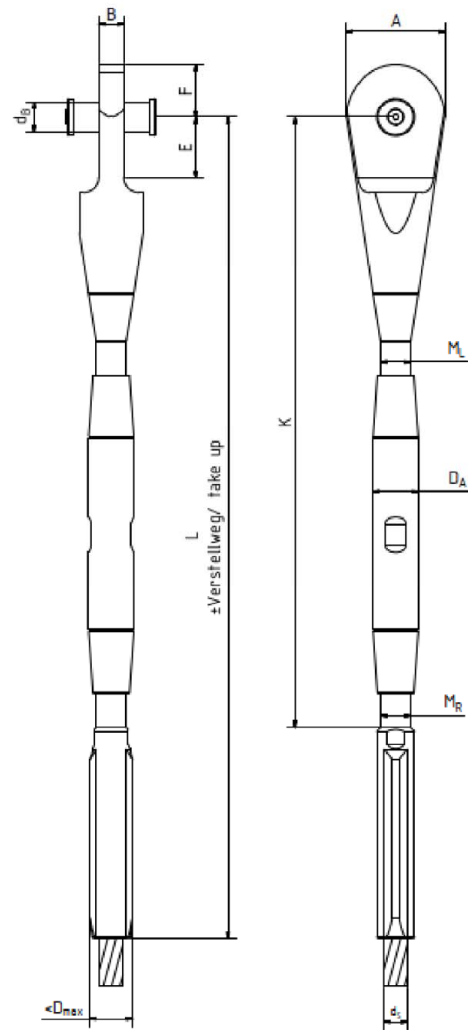
d_s = Bolzendurchmesser / pin diameter

| Size Größe | d_s mm | A mm | B mm | C mm | DA mm | dB mm | Dmax mm | E mm | F mm | M mm | tL mm | ~L mm | take up Verstellweg mm | K mm |
|---------------|-------------|---------|---------|---------|----------|----------|------------|---------|---------|---------|----------|----------|------------------------------|---------|
| PG 008 | 5,5 | 26,0 | 10,0 | 21,0 | 12,0 | 8 | 13 | 18,5 | 14,5 | 8 | 8 | 217 | 18 | 163,5 |
| PG 010 | 7,0 | 32,0 | 12,0 | 25,6 | 15,0 | 10 | 15 | 22,5 | 17,5 | 10 | 10 | 268 | 22 | 200,0 |
| PG 012 | 8,4 | 38,5 | 14,0 | 31,0 | 18,0 | 12 | 16 | 27,5 | 21,5 | 12 | 12 | 319 | 26 | 237,5 |
| PG 014 | 9,9 | 47,0 | 17,0 | 36,0 | 21,0 | 14 | 20 | 32,0 | 26,0 | 14 | 15 | 380 | 30 | 282,5 |
| PG 016 | 11,5 | 53,0 | 18,0 | 40,0 | 24,0 | 16 | 22 | 37,0 | 29,0 | 16 | 15 | 423 | 34 | 311,0 |
| PG 020 | 14,5 | 66,0 | 23,0 | 51,0 | 30,0 | 20 | 30 | 45,0 | 35,0 | 20 | 20 | 531 | 42 | 390,5 |
| PG 024 | 17,4 | 77,0 | 23,5 | 56,5 | 36,0 | 24 | 34 | 54,0 | 42,0 | 24 | 20 | 632 | 50 | 464,0 |
| PG 027 | 19,8 | 87,5 | 23,5 | 61,5 | 40,5 | 27 | 39 | 60,0 | 48,0 | 27 | 20 | 709,5 | 56 | 517,0 |
| PG 030 | 21,9 | 98,0 | 28,5 | 70,5 | 45,0 | 30 | 44 | 65,0 | 53,0 | 30 | 25 | 792 | 64 | 580,5 |
| PG 036 | 26,4 | 115,0 | 28,5 | 79,5 | 54,0 | 36 | 50 | 76,0 | 62,0 | 36 | 25 | 941 | 76 | 686,5 |
| PG 042 | 30,9 | 133,0 | 34,0 | 94,0 | 63,0 | 42 | 59 | 86,0 | 72,0 | 42 | 30 | 1095 | 88 | 796,5 |
| PG 048 | 35,4 | 151,0 | 39,0 | 108,0 | 72,0 | 48 | 66 | 96,0 | 82,0 | 48 | 35 | 1246 | 100 | 906,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Adjustable Open Swaged Fitting Type 624
Gabelstellschloss Typ 624

Annex G3
Anhang G3



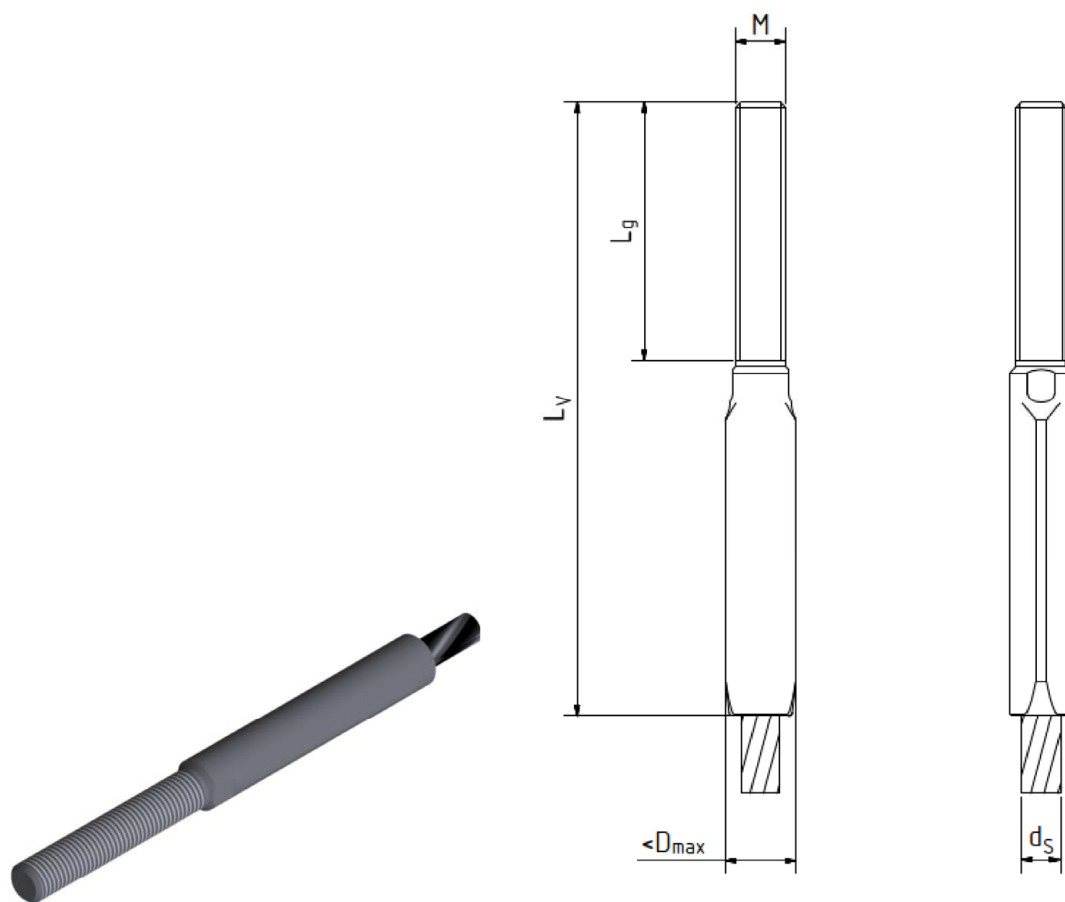
ds = Bolzendurchmesser / pin diameter

| Size Größe | ds | A | B | DA | dB | Dmax | E | F | M | ~L | take up Verstellweg | K |
|---------------|------|-----|----|------|----|------|------|------|----|--------|------------------------|-------|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PG 008 | 5,5 | 25 | 8 | 12,0 | 8 | 13 | 16,5 | 14,5 | 8 | 224,0 | 18 | 170,5 |
| PG 010 | 7,0 | 31 | 10 | 15,0 | 10 | 15 | 20,5 | 17,5 | 10 | 277,0 | 22 | 209,0 |
| PG 012 | 8,4 | 38 | 12 | 18,0 | 12 | 16 | 24,5 | 21,5 | 12 | 329,0 | 26 | 247,5 |
| PG 014 | 9,9 | 45 | 15 | 21,0 | 14 | 20 | 29,0 | 26,0 | 14 | 392,5 | 30 | 295,5 |
| PG 016 | 11,5 | 53 | 15 | 24,0 | 16 | 22 | 33,0 | 29,0 | 16 | 436,0 | 34 | 324,0 |
| PG 020 | 14,5 | 66 | 20 | 30,0 | 20 | 30 | 40,0 | 35,0 | 20 | 548,5 | 42 | 407,5 |
| PG 024 | 17,4 | 78 | 20 | 36,0 | 24 | 34 | 48,0 | 42,0 | 24 | 653,0 | 50 | 485,0 |
| PG 027 | 19,8 | 88 | 20 | 40,5 | 27 | 39 | 54,0 | 48,0 | 27 | 734,5 | 56 | 542,0 |
| PG 030 | 21,9 | 98 | 25 | 45,0 | 30 | 44 | 59,0 | 53,0 | 30 | 818,0 | 64 | 606,5 |
| PG 036 | 26,4 | 115 | 25 | 54,0 | 36 | 50 | 66,0 | 62,0 | 36 | 972,0 | 76 | 717,5 |
| PG 042 | 30,9 | 135 | 30 | 63,0 | 42 | 59 | 78,0 | 72,0 | 42 | 1134,0 | 88 | 835,5 |
| PG 048 | 35,4 | 153 | 35 | 72,0 | 48 | 66 | 87,0 | 82,0 | 48 | 1289,0 | 100 | 949,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Adjustable Closed Swaged Fitting Type 626
Ösenstellschloss Typ 626

Annex G4
Anhang G4

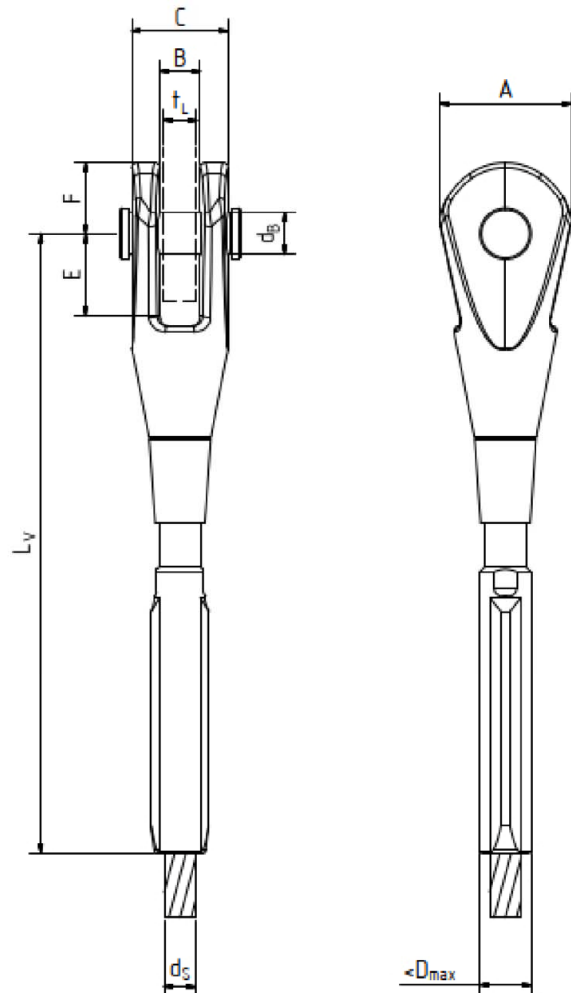


| Size Größe | ds mm | Dmax mm | M mm | Lg mm | ~Lv mm |
|---------------|----------|------------|---------|----------|-----------|
| PG 008 | 5,5 | 13 | 8 | 44,0 | 99 |
| PG 010 | 7,0 | 15 | 10 | 53,5 | 123 |
| PG 012 | 8,4 | 16 | 12 | 63,0 | 147 |
| PG 014 | 9,9 | 20 | 14 | 75,5 | 175 |
| PG 016 |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

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting Type 628
Gewindefitting Typ 628

Annex G5
Anhang G5



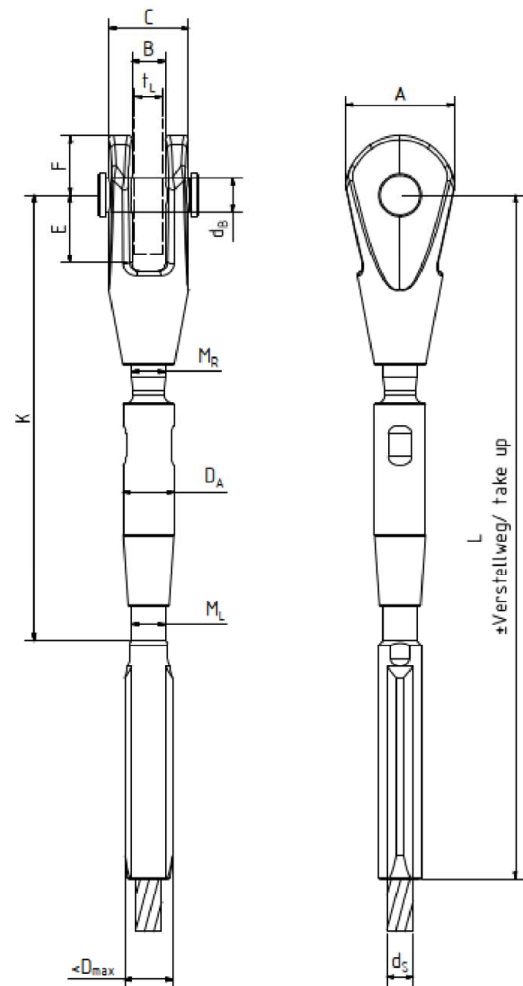
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d_S mm | A mm | B mm | C mm | d_B mm | D_{max} mm | E mm | F mm | t_L mm | $\sim L_V$ mm | take up Verstellweg mm |
|---------------|-------------|---------|---------|---------|-------------|-----------------|---------|---------|-------------|------------------|------------------------------|
| PG 008 | 5,5 | 26,0 | 10,0 | 21,0 | 8 | 13 | 18,5 | 14,5 | 8 | 122,0 | 4,5 |
| PG 010 | 7,0 | 32,0 | 12,0 | 25,6 | 10 | 15 | 22,5 | 17,5 | 10 | 151,0 | 5,5 |
| PG 012 | 8,4 | 38,5 | 14,0 | 31,0 | 12 | 16 | 27,5 | 21,5 | 12 | 181,0 | 6,5 |
| PG 014 | 9,9 | 47,0 | 17,0 | 36,0 | 14 | 20 | 32,0 | 26,0 | 15 | 216,0 | 9,0 |
| PG 016 | 11,5 | 53,0 | 18,0 | 40,0 | 16 | 22 | 37,0 | 29,0 | 15 | 243,0 | 9,0 |
| PG 020 | 14,5 | 66,0 | 23,0 | 51,0 | 20 | 30 | 45,0 | 35,0 | 20 | 305,0 | 11,5 |
| PG 024 | 17,4 | 77,0 | 23,5 | 56,5 | 24 | 34 | 54,0 | 42,0 | 20 | 363,0 | 14,0 |
| PG 027 | 19,8 | 87,5 | 23,5 | 61,5 | 27 | 39 | 60,0 | 48,0 | 20 | 409,0 | 16,0 |
| PG 030 | 21,9 | 98,0 | 28,5 | 70,5 | 30 | 44 | 65,0 | 53,0 | 25 | 453,0 | 17,5 |
| PG 036 | 26,4 | 115,0 | 28,5 | 79,5 | 36 | 50 | 76,0 | 62,0 | 25 | 539,0 | 21,0 |
| PG 042 | 30,9 | 133,0 | 34,0 | 94,0 | 42 | 59 | 86,0 | 72,0 | 30 | 628,0 | 25,0 |
| PG 048 | 35,4 | 151,0 | 39,0 | 108,0 | 48 | 66 | 96,0 | 82,0 | 35 | 713,5 | 28,5 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting with Fork End Type 632
Gewindefitting mit Gabelkopf Typ 632

Annex G6
Anhang G6



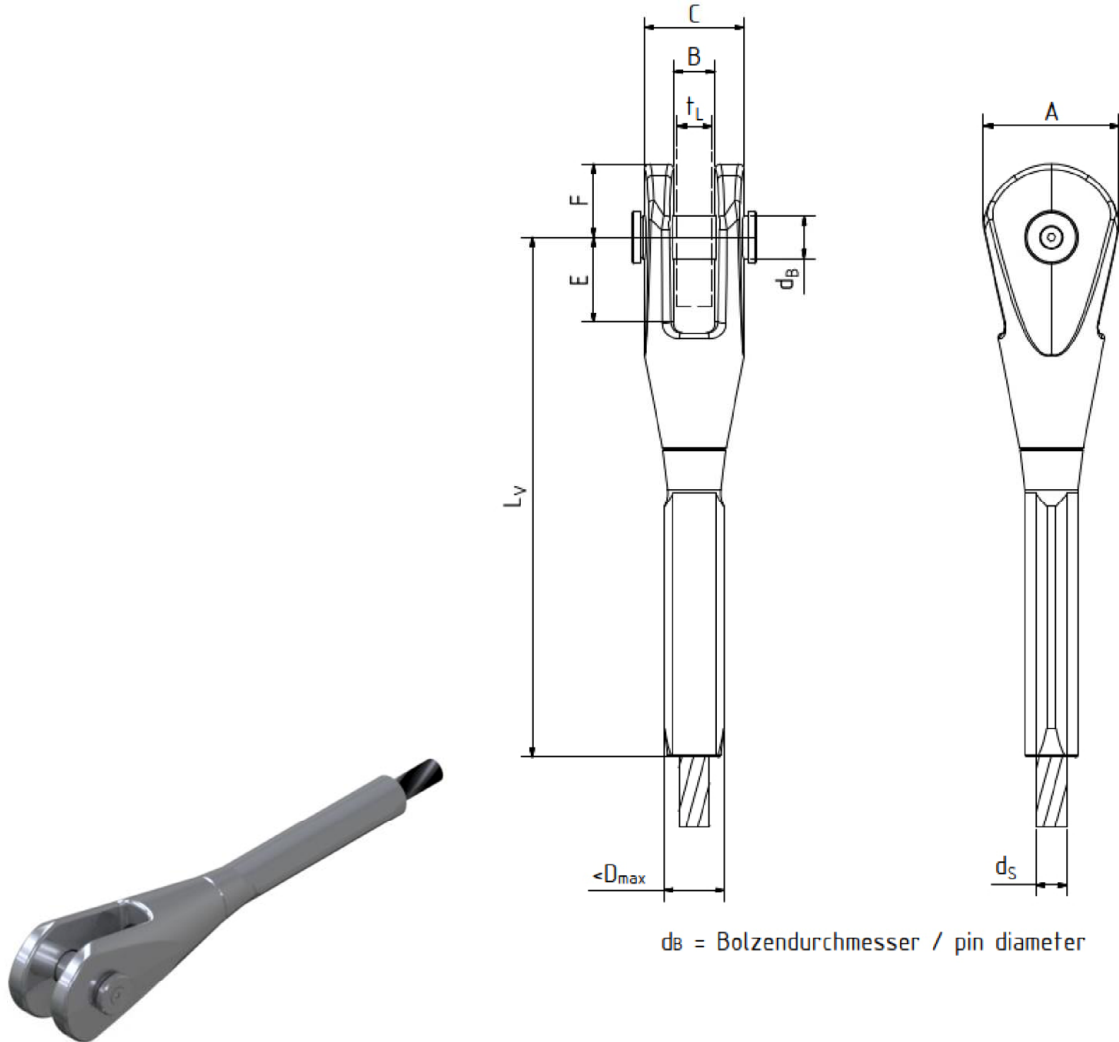
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d_s mm | A mm | B mm | C mm | D_A mm | d_B mm | D_{max} mm | E mm | F mm | M mm | t_L mm | $\sim L$ mm | take up Verstellweg mm | K mm |
|---------------|-------------|---------|---------|---------|-------------|-------------|-----------------|---------|---------|---------|-------------|----------------|------------------------------|---------|
| PG 008 | 5,5 | 26,0 | 10,0 | 21,0 | 12,0 | 8 | 13 | 18,5 | 14,5 | 8 | 8 | 164,0 | 9,0 | 110,5 |
| PG 010 | 7,0 | 32,0 | 12,0 | 25,6 | 15,0 | 10 | 15 | 22,5 | 17,5 | 10 | 10 | 203,0 | 11,0 | 135,0 |
| PG 012 | 8,4 | 38,5 | 14,0 | 31,0 | 18,0 | 12 | 16 | 27,5 | 21,5 | 12 | 12 | 244,0 | 13,0 | 162,5 |
| PG 014 | 9,9 | 47,0 | 17,0 | 36,0 | 21,0 | 14 | 20 | 32,0 | 26,0 | 14 | 15 | 290,5 | 18,0 | 193,5 |
| PG 016 | 11,5 | 53,0 | 18,0 | 40,0 | 24,0 | 16 | 22 | 37,0 | 29,0 | 16 | 15 | 323,0 | 18,0 | 210,5 |
| PG 020 | 14,5 | 66,0 | 23,0 | 51,0 | 30,0 | 20 | 30 | 45,0 | 35,0 | 20 | 20 | 405,0 | 23,0 | 264,0 |
| PG 024 | 17,4 | 77,0 | 23,5 | 56,5 | 36,0 | 24 | 34 | 54,0 | 42,0 | 24 | 20 | 483,0 | 28,0 | 315,0 |
| PG 027 | 19,8 | 87,5 | 23,5 | 61,5 | 40,5 | 27 | 39 | 60,0 | 48,0 | 27 | 20 | 542,0 | 32,0 | 349,5 |
| PG 030 | 21,9 | 98,0 | 28,5 | 70,5 | 45,0 | 30 | 43 | 65,0 | 53,0 | 30 | 25 | 602,0 | 35,0 | 390,5 |
| PG 036 | 26,4 | 115,0 | 28,5 | 79,5 | 54,0 | 36 | 50 | 76,0 | 62,0 | 36 | 25 | 704,0 | 42,0 | 449,5 |
| PG 042 | 30,9 | 133,0 | 34,0 | 94,0 | 63,0 | 42 | 59 | 86,0 | 72,0 | 42 | 30 | 821,0 | 50,0 | 522,5 |
| PG 048 | 35,4 | 151,0 | 39,0 | 108,0 | 72,0 | 48 | 66 | 96,0 | 82,0 | 48 | 35 | 933,0 | 57,0 | 593,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting with Adapter Type 634
Gewindefitting mit Adapter Typ 634

Annex G7
Anhang G7

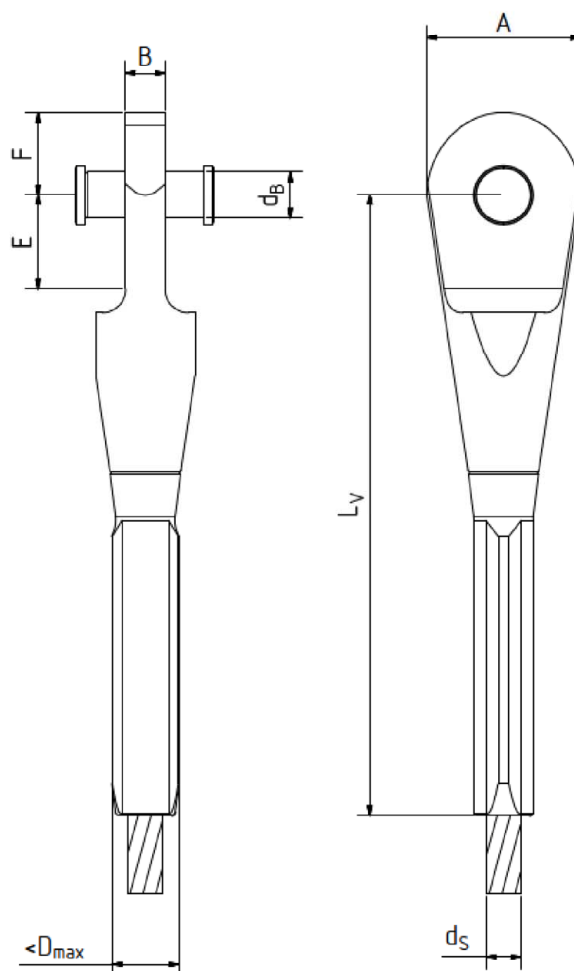
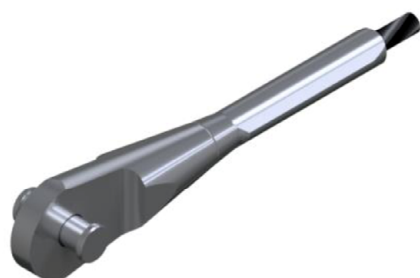


| Size Größe | ds | A | B | C | dB | Dmax | E | F | tL | ~Lv |
|---------------|------|-------|------|------|----|------|------|------|------|-------|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PE 008 | 6,3 | 26,0 | 10,0 | 21,0 | 8 | 13 | 18,5 | 14,5 | 8,0 | 103,0 |
| PE 010 | 7,9 | 32,0 | 12,0 | 25,6 | 10 | 15 | 22,5 | 17,5 | 10,0 | 127,0 |
| PE 012 | 9,5 | 38,5 | 14,0 | 31,0 | 12 | 16 | 27,5 | 21,5 | 12,0 | 156,0 |
| PE 014 | 11,2 | 47,0 | 17,0 | 36,0 | 14 | 20 | 32,0 | 26,0 | 15,0 | 182,0 |
| PE 016 | 13,0 | 53,0 | 18,0 | 40,0 | 16 | 22 | 37,0 | 29,0 | 15,0 | 208,0 |
| PE 020 | 16,3 | 66,0 | 23,0 | 51,0 | 20 | 30 | 45,0 | 35,0 | 20,0 | 256,0 |
| PE 024 | 19,5 | 77,0 | 23,5 | 56,5 | 24 | 34 | 54,0 | 42,0 | 20,0 | 308,0 |
| PE 027 | 22,2 | 87,5 | 23,5 | 61,5 | 27 | 39 | 60,0 | 48,0 | 20,0 | 349,0 |
| PE 030 | 24,7 | 98,0 | 28,5 | 70,5 | 30 | 43 | 65,0 | 53,0 | 25,0 | 387,0 |
| PE 036 | 29,8 | 115,0 | 28,5 | 79,5 | 36 | 50 | 76,0 | 62,0 | 25,0 | 464,0 |
| PE 042 | 34,9 | 133,0 | 34,0 | 94,0 | 42 | 59 | 86,0 | 72,0 | 30,0 | 537,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Open Swaged Fitting Type 621
Gabelfitting Typ 621

Annex H1
Anhang H1

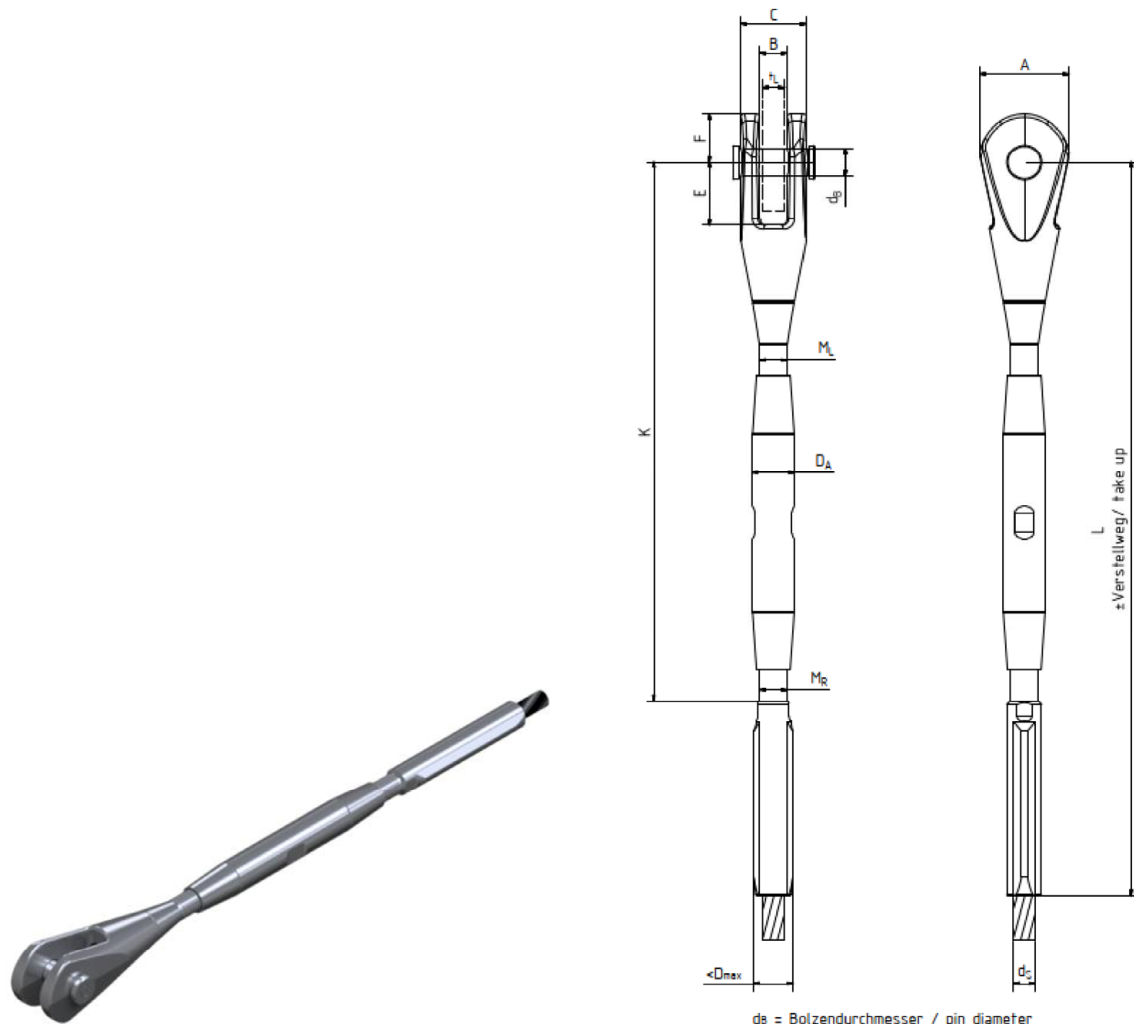


| Size Größe | ds mm | A mm | B mm | dB mm | Dmax mm | E mm | F mm | ~Lv mm |
|---------------|----------|---------|---------|----------|------------|---------|---------|-----------|
| PE 008 | 6,3 | 25,0 | 8 | 8 | 13 | 16,5 | 14,5 | 110,0 |
| PE 010 | 7,9 | 31,0 | 10 | 10 | 15 | 20,5 | 17,5 | 136,0 |
| PE 012 | 9,5 | 38,0 | 12 | 12 | 16 | 24,5 | 21,5 | 166,0 |
| PE 014 | 11,2 | 45,0 | 15 | 14 | 20 | 29,0 | 26,0 | 195,0 |
| PE 016 | 13,0 | 53,0 | 20 | 16 | 22 | 33,0 | 29,0 | 221,0 |
| PE 020 | 16,3 | 66,0 | 20 | 20 | 30 | 40,0 | 35,0 | 272,5 |
| PE 024 | 19,5 | 78,0 | 20 | 24 | 34 | 48,0 | 42,0 | 329,0 |
| PE 027 | 22,2 | 88,0 | 20 | 27 | 39 | 54,0 | 48,0 | 373,5 |
| PE 030 | 24,7 | 98,0 | 25 | 30 | 43 | 59,0 | 53,0 | 413,0 |
| PE 036 | 29,8 | 115,0 | 25 | 36 | 50 | 66,0 | 62,0 | 494,5 |
| PE 042 | 34,9 | 135,0 | 30 | 42 | 59 | 78,0 | 72,0 | 579,5 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Closed Swaged Fitting Type 623
Ösenfitting Typ 623

Annex H2
Anhang H2

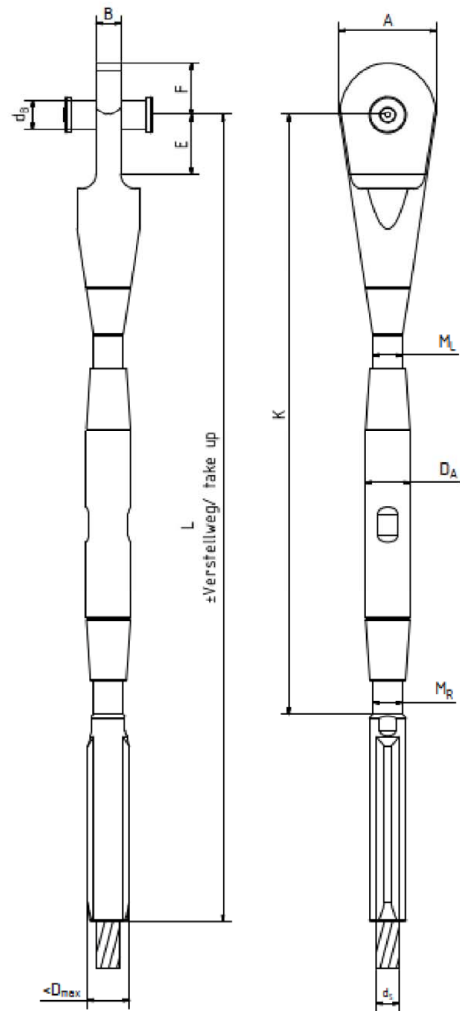


| Size Größe | ds | A | B | C | DA | dB | Dmax | E | F | M | tL | ~L | take up Verstellweg | K |
|---------------|------|-------|------|------|------|----|------|------|------|----|------|--------|------------------------|-------|
| mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PE 008 | 6,3 | 25,0 | 10,0 | 21,0 | 12,0 | 8 | 13 | 18,5 | 14,5 | 8 | 8,0 | 223,0 | 18 | 163,5 |
| PE 010 | 7,9 | 32,0 | 12,0 | 25,6 | 15,0 | 10 | 15 | 22,5 | 17,5 | 10 | 10,0 | 275,0 | 22 | 200,0 |
| PE 012 | 9,5 | 38,5 | 14,0 | 31,0 | 18,0 | 12 | 16 | 27,5 | 21,5 | 12 | 12,0 | 327,0 | 26 | 237,5 |
| PE 014 | 11,2 | 47,0 | 17,0 | 36,0 | 21,0 | 14 | 20 | 32,0 | 26,0 | 14 | 15,0 | 388,0 | 30 | 282,5 |
| PE 016 | 13,0 | 53,0 | 18,0 | 40,0 | 24,0 | 16 | 22 | 37,0 | 29,0 | 16 | 15,0 | 433,0 | 34 | 311,0 |
| PE 020 | 16,3 | 66,0 | 23,0 | 51,0 | 30,0 | 20 | 30 | 45,0 | 35,0 | 20 | 20,0 | 542,0 | 42 | 390,5 |
| PE 024 | 19,5 | 77,0 | 23,5 | 56,5 | 36,0 | 24 | 34 | 54,0 | 42,0 | 24 | 20,0 | 645,0 | 50 | 464,0 |
| PE 027 | 22,2 | 87,5 | 23,5 | 61,5 | 40,5 | 27 | 39 | 60,0 | 48,0 | 27 | 20,0 | 724,5 | 56 | 517,0 |
| PE 030 | 24,7 | 98,0 | 28,5 | 70,5 | 45,0 | 30 | 43 | 65,0 | 53,0 | 30 | 25,0 | 813,0 | 64 | 580,5 |
| PE 036 | 29,8 | 115,0 | 28,5 | 79,5 | 54,0 | 36 | 50 | 76,0 | 62,0 | 36 | 25,0 | 963,0 | 76 | 686,5 |
| PE 042 | 34,9 | 133,0 | 34,0 | 94,0 | 63,0 | 42 | 59 | 86,0 | 72,0 | 42 | 30,0 | 1121,0 | 88 | 796,5 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Adjustable open Swaged Fitting Type 625
Gabelstellschloss Typ 625

Annex H3
Anhang H3



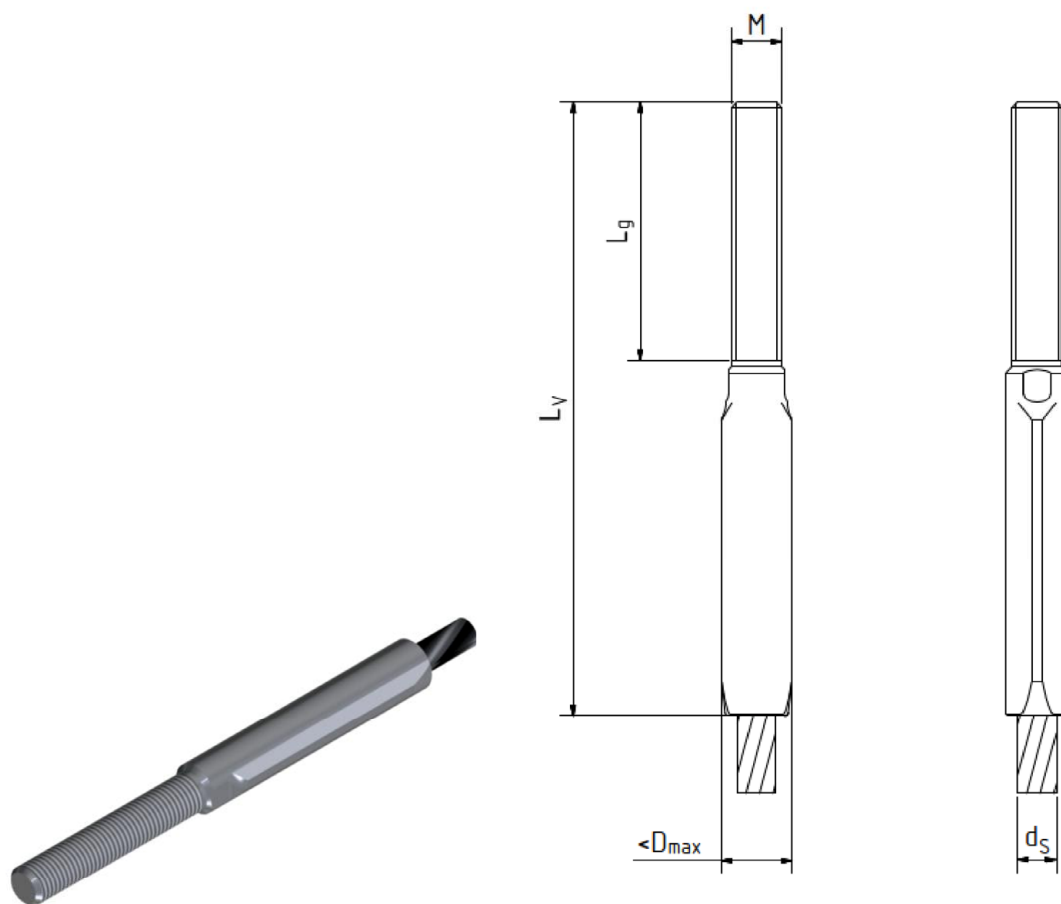
d_s = Bolzendurchmesser / pin diameter

| Size Größe | d_s mm | A mm | B mm | D_A mm | d_B mm | D_{max} mm | E mm | F mm | M mm | $\sim L$ mm | take up Verstellweg mm | K mm |
|---------------|-------------|---------|---------|-------------|-------------|-----------------|---------|---------|---------|----------------|------------------------------|---------|
| PE 008 | 6,3 | 25,0 | 8,0 | 12,0 | 8 | 13 | 16,5 | 14,5 | 8 | 230 | 18 | 170,5 |
| PE 010 | 7,9 | 31,0 | 10,0 | 15,0 | 10 | 15 | 20,5 | 17,5 | 10 | 284 | 22 | 209,0 |
| PE 012 | 9,5 | 38,0 | 12,0 | 18,0 | 12 | 16 | 24,5 | 21,5 | 12 | 337 | 26 | 247,5 |
| PE 014 | 11,2 | 45,0 | 15,0 | 21,0 | 14 | 20 | 29,0 | 26,0 | 14 | 400,5 | 30 | 295,5 |
| PE 016 | 13,0 | 53,0 | 15,0 | 24,0 | 16 | 22 | 33,0 | 29,0 | 16 | 446 | 34 | 324,0 |
| PE 020 | 16,3 | 66,0 | 20,0 | 30,0 | 20 | 30 | 40,0 | 35,0 | 20 | 559,5 | 42 | 407,5 |
| PE 024 | 19,5 | 78,0 | 20,0 | 36,0 | 24 | 34 | 48,0 | 42,0 | 24 | 666 | 50 | 485,0 |
| PE 027 | 22,2 | 88,0 | 20,0 | 40,5 | 27 | 39 | 54,0 | 48,0 | 27 | 749,5 | 56 | 542,0 |
| PE 030 | 24,7 | 98,0 | 25,0 | 45,0 | 30 | 43 | 59,0 | 53,0 | 30 | 839 | 64 | 606,5 |
| PE 036 | 29,8 | 115,0 | 25,0 | 54,0 | 36 | 50 | 66,0 | 62,0 | 36 | 994 | 76 | 717,5 |
| PE 042 | 34,9 | 135,0 | 30,0 | 63,0 | 42 | 59 | 78,0 | 72,0 | 42 | 1160 | 88 | 835,5 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zuglieder

Adjustable Closed Swaged Fitting Type 627
Ösenstellschloss Typ 627

Annex H4
Anhang H4

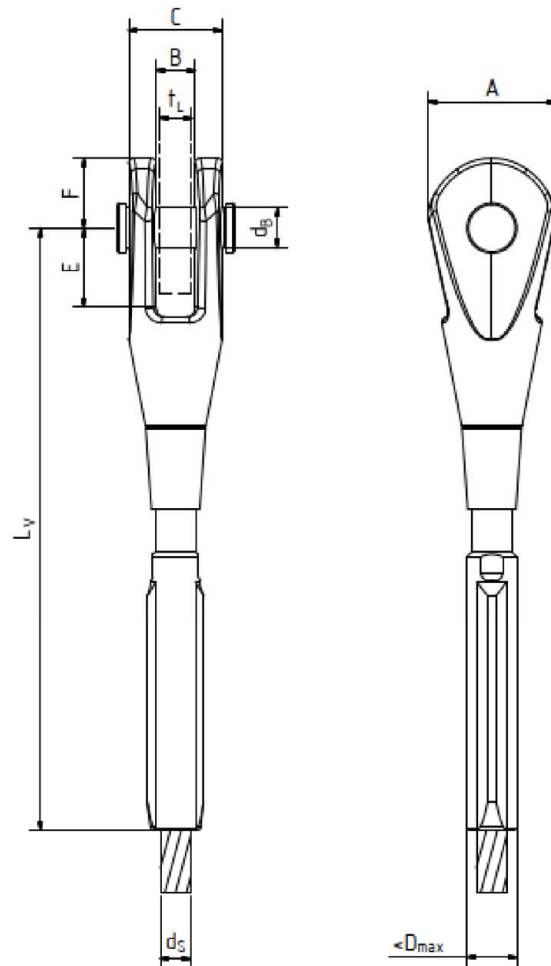


| Size Größe | ds mm | Dmax mm | M mm | Lg mm | ~Lv mm |
|---------------|----------|------------|---------|----------|-----------|
| PE 008 | 6,3 | 13 | 8 | 44,0 | 105 |
| PE 010 | 7,9 | 15 | 10 | 53,5 | 130 |
| PE 012 | 9,5 | 16 | 12 | 63,0 | 155 |
| PE 014 | 11,2 | 20 | 14 | 75,5 | 183 |
| PE 016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

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting Type 629
Gewindefitting Typ 629

Annex H5
Anhang H5



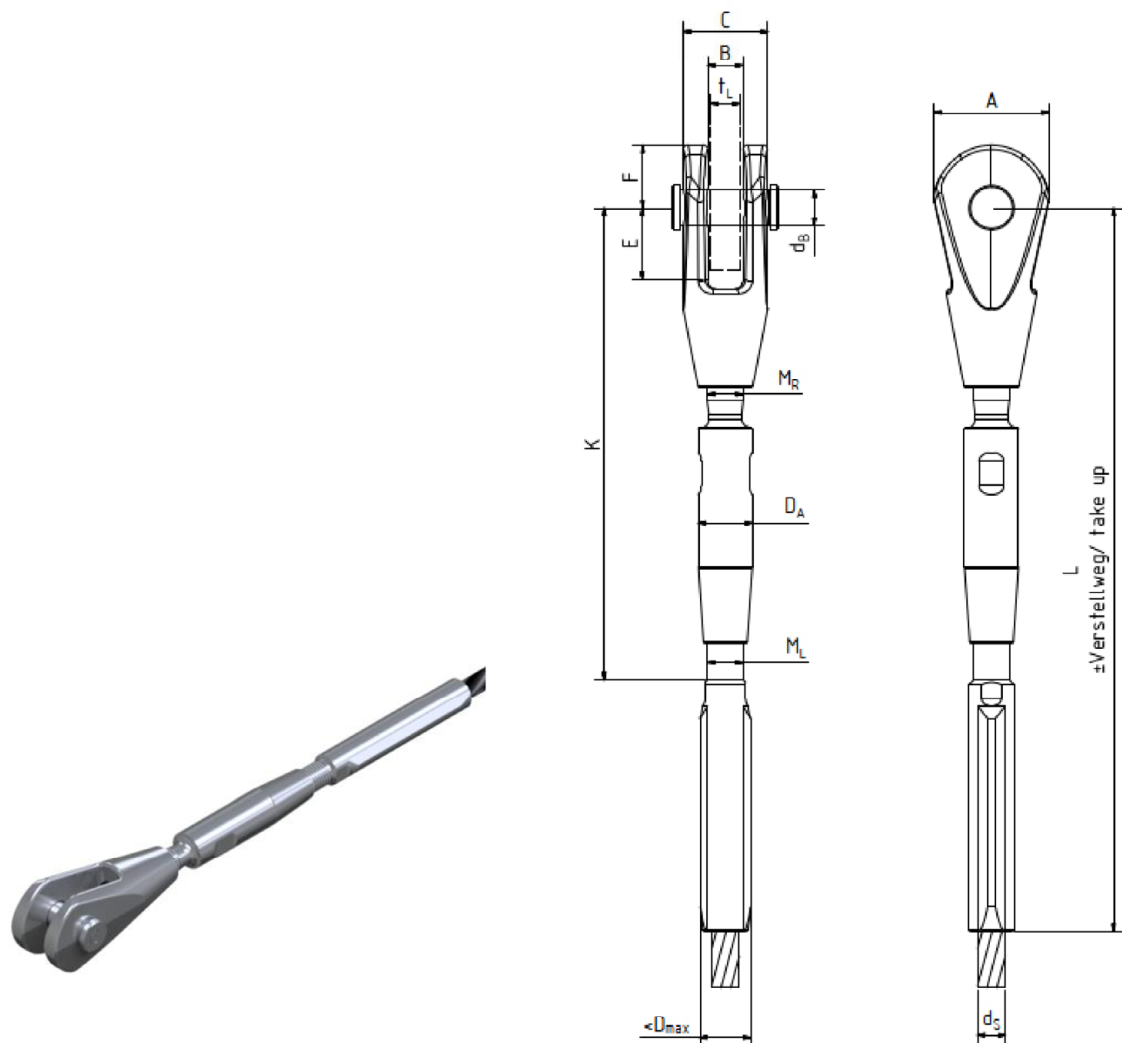
d_B = Bolzendurchmesser / pin diameter

| Size Größe | d_S mm | A mm | B mm | C mm | d_B mm | D_{max} mm | E mm | F mm | t_L mm | $\sim L_V$ mm | take up Verstellweg mm |
|---------------|-------------|---------|---------|---------|-------------|-----------------|---------|---------|-------------|------------------|------------------------------|
| PE 008 | 6,3 | 26,0 | 10,0 | 21,0 | 8 | 13 | 18,5 | 14,5 | 8 | 122,0 | 4,5 |
| PE 010 | 7,9 | 32,0 | 12,0 | 25,6 | 10 | 15 | 22,5 | 17,5 | 10 | 151,0 | 5,5 |
| PE 012 | 9,5 | 38,5 | 14,0 | 31,0 | 12 | 16 | 27,5 | 21,5 | 12 | 181,0 | 6,5 |
| PE 014 | 11,2 | 47,0 | 17,0 | 36,0 | 14 | 20 | 32,0 | 26,0 | 15 | 216,0 | 9,0 |
| PE 016 | 13,0 | 53,0 | 18,0 | 40,0 | 16 | 22 | 37,0 | 29,0 | 15 | 243,0 | 9,0 |
| PE 020 | 16,3 | 66,0 | 23,0 | 51,0 | 20 | 30 | 45,0 | 35,0 | 20 | 305,0 | 11,5 |
| PE 024 | 19,5 | 77,0 | 23,5 | 56,5 | 24 | 34 | 54,0 | 42,0 | 20 | 363,0 | 14,0 |
| PE 027 | 22,2 | 87,5 | 23,5 | 61,5 | 27 | 39 | 60,0 | 48,0 | 20 | 409,0 | 16,0 |
| PE 030 | 24,7 | 98,0 | 28,5 | 70,5 | 30 | 43 | 65,0 | 53,0 | 25 | 453,0 | 17,5 |
| PE 036 | 29,8 | 115,0 | 28,5 | 79,5 | 36 | 50 | 76,0 | 62,0 | 25 | 539,0 | 21,0 |
| PE 042 | 34,9 | 133,0 | 34,0 | 94,0 | 42 | 59 | 86,0 | 72,0 | 30 | 628,0 | 25,0 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting with Fork End Type 633
Gewindefitting mit Gabelkopf Typ 633

Annex H6
Anhang H6

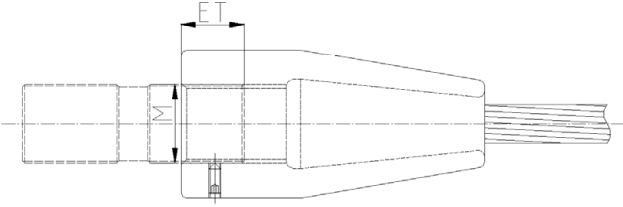
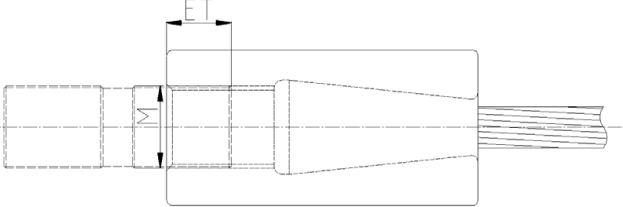
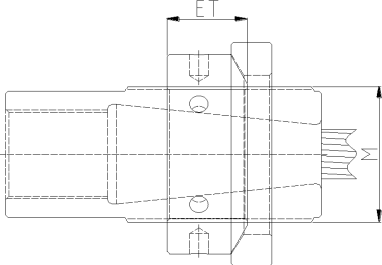
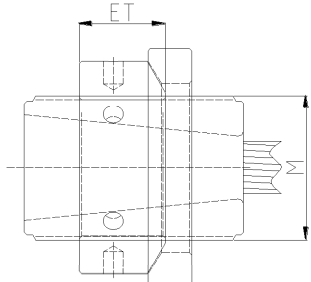
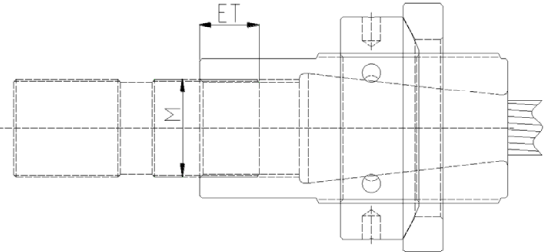


| Size Größe | ds | A | B | C | DA | dB | Dmax | E | F | M | tL | ~L | take up Verstellweg | K |
|---------------|------|-------|------|------|------|----|------|------|------|----|----|-------|------------------------|-------|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| PE 008 | 6,3 | 26,0 | 10,0 | 21,0 | 12,0 | 8 | 13 | 18,5 | 14,5 | 8 | 8 | 170,0 | 9,0 | 110,5 |
| PE 010 | 7,9 | 32,0 | 12,0 | 25,6 | 15,0 | 10 | 15 | 22,5 | 17,5 | 10 | 10 | 210,0 | 11,0 | 135,0 |
| PE 012 | 9,5 | 38,5 | 14,0 | 31,0 | 18,0 | 12 | 16 | 27,5 | 21,5 | 12 | 12 | 252,0 | 13,0 | 162,5 |
| PE 014 | 11,2 | 47,0 | 17,0 | 36,0 | 21,0 | 14 | 20 | 32,0 | 26,0 | 14 | 15 | 298,5 | 18,0 | 193,5 |
| PE 016 | 13,0 | 53,0 | 18,0 | 40,0 | 24,0 | 16 | 22 | 37,0 | 29,0 | 16 | 15 | 332,5 | 18,0 | 210,5 |
| PE 020 | 16,3 | 66,0 | 23,0 | 51,0 | 30,0 | 20 | 30 | 45,0 | 35,0 | 20 | 20 | 416,0 | 23,0 | 264,0 |
| PE 024 | 19,5 | 77,0 | 23,5 | 56,5 | 36,0 | 24 | 34 | 54,0 | 42,0 | 24 | 20 | 496,0 | 28,0 | 315,0 |
| PE 027 | 22,2 | 87,5 | 23,5 | 61,5 | 40,5 | 27 | 39 | 60,0 | 48,0 | 27 | 20 | 557,0 | 32,0 | 349,5 |
| PE 030 | 24,7 | 98,0 | 28,5 | 70,5 | 45,0 | 30 | 44 | 65,0 | 53,0 | 30 | 25 | 623,0 | 35,0 | 390,5 |
| PE 036 | 29,8 | 115,0 | 28,5 | 79,5 | 54,0 | 36 | 50 | 76,0 | 62,0 | 36 | 25 | 726,0 | 42,0 | 449,5 |
| PE 042 | 34,9 | 133,0 | 34,0 | 94,0 | 63,0 | 42 | 59 | 86,0 | 72,0 | 42 | 30 | 847,0 | 50,0 | 522,5 |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

Threaded Fitting with Adapter Type 635
Gewindefitting mit Adapter Typ 635

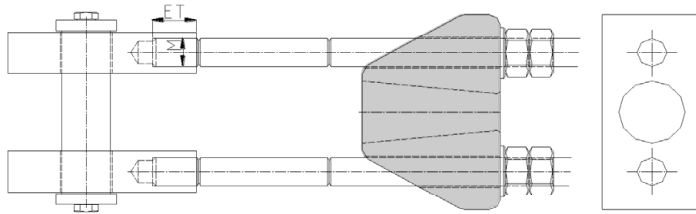
Annex H7
Anhang H7

| | |
|---|---|
|  | <p>Conical socket with internal thread Type 800 with threaded rod material S355</p> <p>Konische Vergusshülse mit Innengewinde Typ 800 mit Gewindestange Material S355</p> <p>ET_{min} = 1,0*M</p> |
|  | <p>Cylindrical socket with internal thread Type 801 with threaded rod material S355</p> <p>Zylindrische Vergusshülse mit Innengewinde Typ 801 mit Gewindestange Material S355</p> <p>ET_{min} = 1,0*M</p> |
|  | <p>Cylindrical socket Type 810 with spherical nut / spherical disc Type 813 / 814</p> <p>Zylindrische Vergusshülse Typ 810 mit sphärischer Mutter / sphärischer Scheibe Typ 813 / 814</p> <p>ET_{min} = 0,6*M</p> |
|  | <p>Cylindrical socket Type 812 with spherical nut / spherical disc Type 813 / 814</p> <p>Zylindrische Vergusshülse Typ 812 mit sphärischer Mutter / sphärischer Scheibe Typ 813 / 814</p> <p>ET_{min} = 0,6*M</p> |
|  | <p>Only for installation Nur für Montage</p> <p>Cylindrical socket Type 810 with threaded rod material S355</p> <p>Zylindrische Vergusshülse Typ 810 mit Gewindestange Material S355</p> <p>ET_{min} = 1,0*M</p> |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PV Screw-in depths
PV Einschraubtiefen

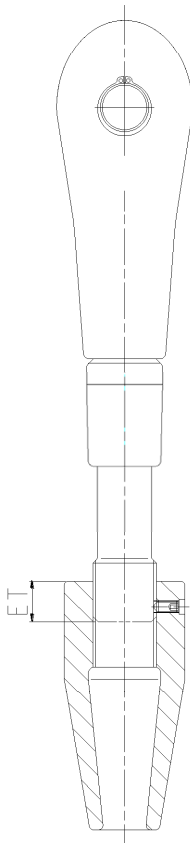
Annex I1
Anhang I1



Open bridge socket Type 804
Closed bridge socket Type 803

Vergusshülse mit Augenstab Typ 804
Vergusshülse mit Öse Typ 803

ET = 1,5*M



Conical socket with fork end
Type 864

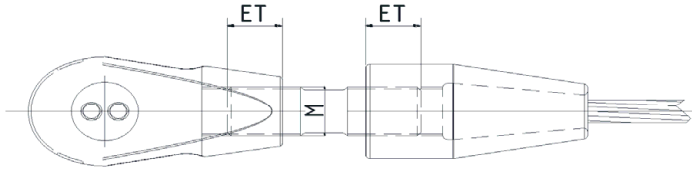
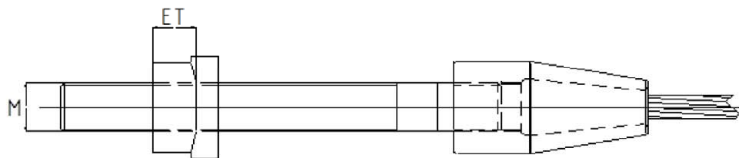
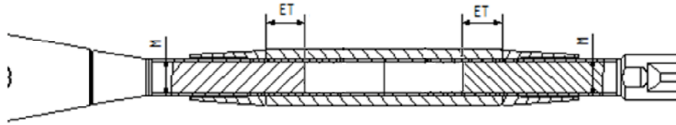
Konische Vergusshülse
mit Gabelkopf
Typ 864

PV 040: ET min = 27 mm
PV 060: ET min = 33 mm
PV 090: ET min = 41 mm
PV 115: ET min = 47 mm
PV 150: ET min = 47 mm
PV 195: ET min = 53 mm
PV 240: ET min = 59 mm
PV 300: ET min = 67 mm
PV 360: ET min = 73 mm

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PV Screw-in depths
PV Einschraubtiefen

Annex I2
Anhang I2

| | |
|---|---|
|  | <p>Adjustable open spelter socket Type 710</p> <p>Verstellbare Gabelseilhülse Typ 710</p> <p>ETmin = 0,6*M</p> |
|  | <p>Spherical anchor Type 850</p> <p>Sphärischer Anker Typ 850</p> <p>ETmin = 0,9*M</p> |
|  | <p>Adjustable open Swaged Fitting Type 984 / 985</p> <p>Gabelstellschloss Typ 984 / 985</p> <p>ETmin = 1,0*M</p> |

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PV Screw-in depths
PV Einschraubtiefen

Annex I3
Anhang I3

| Size Größe | Nominal diameter of the rope Seil- Nenndurchmesser | Charact. breaking strength F_{uk} Charakteristische Bruchkraft F_{uk} | Design resistance F_{Rd} Bemessungszugkraft 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 |

sockets of wire rope sizes PV 115 and PV 150 are identical with the exception of type 700 and type 710
die Hülsen der Seilgrößen PV 115 und PV 150 sind mit Ausnahme vom Typ 700 und 710 identisch

All corresponding PV-cable end connectors are designed for the characteristic breaking strengths F_{uk} respectively for the design resistances F_{Rd} shown in the table.

Example:

Cable PV 40 with end connectors Type 700-PV 40, Type 710-PV 40, Type 800-PV 40, Type 801-PV 40, Type 803-PV 40, Type 804-PV 40, Type 810-PV 40, Type 811-PV 40, Type 812-PV 40, Type 813 / 814-PV 40, Type 840-PV 40, Type 850-PV 40 or Type 864-PV 40 is designed for the characteristic breaking strength 405 kN respectively for the design resistance 270 kN.

Alle dazugehörenden PV-Seilendbeschläge sind auf die in der Tabelle angegebenen charakteristischen Bruchkräfte F_{uk} bzw. auf die in der Tabelle angegebenen Bemessungszugkräfte F_{Rd} ausgelegt.

Beispiel:

Seil PV 40 mit den Endbeschlägen und Verbindungsteilen Typ 700-PV 40, Typ 710-PV 40, Typ 800-PV 40, Typ 801-PV 40, Typ 803-PV 40, Typ 804-PV 40, Typ 810-PV 40, Typ 811-PV 40, Typ 812-PV 40, Typ 813 / 814-PV 40, Typ 840-PV 40, Typ 850-PV 40 oder Typ 864-PV 40 ist für eine charakteristische Bruchkraft von 405 kN bzw. für eine Bemessungszugkraft von 270 kN ausgelegt.

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PV Characteristic breaking strengths and design resistances
PV Charakteristische Bruchkräfte und Bemessungszugkräfte

Annex J1
Anhang J1

| Size Größe | Nominal diameter of the rope Seil- Nenndurchmesser | Charact. breaking strength F_{uk} Charakteristische Bruchkraft F_{uk} | Design resistance F_{Rd} 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 |
| PG 125 | 36,3 | 1189 | 793 |

All corresponding PG-cable end connectors are designed for the characteristic breaking strengths F_{uk} respectively for the design resistances F_{Rd} shown in the table.

Example:

Cable PG 5 with end connectors Type 980-PG 5, Type 982-PG 5, Type 984-PG 5 or Type 988-PG 5 is designed for the characteristic breaking strength 59 kN respectively for the design resistance 39 kN.

Alle dazugehörenden PG-Seilendbeschläge sind auf die in der Tabelle angegebenen charakteristischen Bruchkräfte F_{uk} bzw. auf die in der Tabelle angegebenen Bemessungszugkräfte F_{Rd} ausgelegt.

Beispiel:

Seil PG 5 mit den Endbeschlägen Typ 980-PG 5, Typ 982-PG 5, Typ 984-PG 5 oder Typ 988-PG 5 ist für eine charakteristische Bruchkraft von 59 kN bzw. für eine Bemessungszugkraft von 39 kN ausgelegt.

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PG Characteristic breaking strengths and design resistances
PG Charakteristische Bruchkräfte und Bemessungszugkräfte

Annex J2
Anhang J2

| Size Größe | Nominal diameter of the rope Seil- Nenndurchmesser | Charact. breaking strength F_{uk} Charakteristische Bruchkraft F_{uk} | Design resistance F_{Rd} Bemessungszugkraft F_{Rd} |
|---------------|---|--|---|
| | mm | kN | kN |
| PE 3 | 6,1 | 26 | 17 |
| PE 5 | 8,1 | 47 | 31 |
| PE 7 | 10,1 | 73 | 49 |
| PE 10 | 11,9 | 101 | 67 |
| PE 15 | 14,1 | 141 | 94 |
| PE 20 | 16,6 | 195 | 130 |
| PE 30 | 20,5 | 298 | 199 |
| PE 45 | 24,1 | 409 | 273 |
| PE 60 | 28,6 | 578 | 385 |
| PE 75 | 32,1 | 730 | 487 |
| PE 100 | 36,6 | 945 | 630 |

All corresponding PE-cable end connectors are designed for the characteristic breaking strengths F_{uk} respectively for the design resistances F_{Rd} shown in the table.

Example:

Cable PE 3 with end connectors Type 981-PE 3, Type 983-PE 3, Type 985-PE 3 or Type 989-PE 3 is designed for the characteristic breaking strength 26 kN respectively for the design resistance of 17 kN.

Alle dazugehörenden PE-Seilendbeschläge sind auf die in der Tabelle angegebenen charakteristischen Bruchkräfte F_{uk} bzw. auf die in der Tabelle angegebenen Bemessungszugkräfte F_{Rd} ausgelegt.

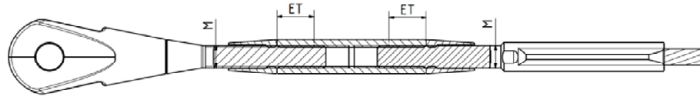
Beispiel:

Seil PE 3 mit den Endbeschlägen Typ 981-PE 3, Typ 983-PE 3, Typ 985-PE 3 oder Typ 989-PE 3 ist für eine charakteristische Bruchkraft von 26 kN bzw. für eine Bemessungszugkraft von 17 kN ausgelegt.

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

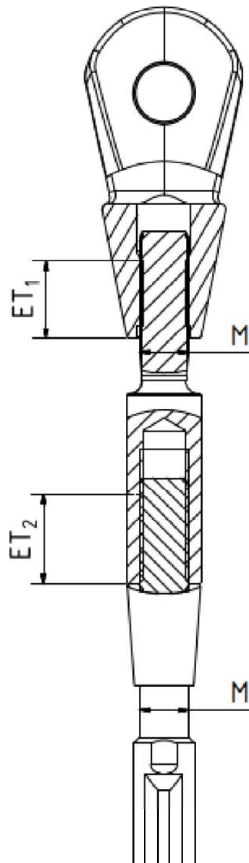
PE Characteristic breaking strengths and design resistances
PE Charakteristische Bruchkräfte und Bemessungszugkräfte

Annex J3
Anhang J3



PG UMX 624
PG UMX 626
PE UMX 625
PE UMX 627

$ET_{min} = 1,05 \cdot M$



PG UMX 632
PG UMX 634
PE UMX 633
PE UMX 635

$ET_{1min} = 1,33 \cdot M$

$ET_{2min} = 1,05 \cdot M$

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PG/PE UMX Screw-in depths
PG/PE UMX Einschraubtiefen

Annex K1
Anhang K1

| Size Größe | Nominal diameter of the rope Seil- Nenndurchmesser | Charact. breaking strength F_{uk} Charakteristische Bruchkraft F_{uk} | Design resistance F_{Rd} Bemessungszugkraft F_{Rd} |
|---------------|---|--|---|
| | mm | kN | kN |
| PG U MIX 008 | 5,5 | 28 | 19 |
| PG U MIX 010 | 7,0 | 44 | 30 |
| PG U MIX 012 | 8,4 | 65 | 43 |
| PG U MIX 014 | 9,9 | 89 | 59 |
| PG U MIX 016 | 11,5 | 120 | 80 |
| PG U MIX 020 | 14,5 | 188 | 125 |
| PG U MIX 024 | 17,4 | 270 | 180 |
| PG U MIX 027 | 19,8 | 352 | 235 |
| PG U MIX 030 | 21,9 | 430 | 286 |
| PG U MIX 036 | 26,4 | 626 | 417 |
| PG U MIX 042 | 30,9 | 859 | 573 |
| PG U MIX 048 | 35,4 | 1129 | 753 |

All corresponding PG U MIX-cable end connectors are designed for the characteristic breaking strengths F_{uk} respectively for the design resistances F_{Rd} shown in the table.

Example:

Cable PG U MIX 008 with end connectors Type 620-PG U MIX 008, Type 622-PG U MIX 008, Type 624-PG U MIX 008 or Type 634 PG U MIX 008 is designed for the characteristic breaking strength 28 kN respectively for the design resistance 19 kN.

Alle dazugehörenden PG-Seilendbeschläge sind auf die in der Tabelle angegebenen charakteristischen Bruchkräfte F_{uk} bzw. auf die in der Tabelle angegebenen Bemessungszugkräfte F_{Rd} ausgelegt.

Beispiel:

Seil PG U MIX 008 mit den Endbeschlägen Type 620-PG U MIX 008, Type 622-PG U MIX 008, Type 624-PG U MIX 008 oder Type 634 PG U MIX 008 ist für eine charakteristische Bruchkraft von 28 kN bzw. für eine Bemessungszugkraft von 19 kN ausgelegt.

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PG U MIX Characteristic breaking strengths and design resistances
PG U MIX Charakteristische Bruchkräfte und Bemessungszugkräfte

Annex L1
Anhang L1

| Size Größe | Nominal diameter of the rope Seil- Nenndurchmesser | Charact. breaking strength F_{uk} Charakteristische Bruchkraft F_{uk} | Design resistance F_{Rd} Bemessungszugkraft F_{Rd} |
|---------------|---|--|---|
| | mm | kN | kN |
| PE UMX 008 | 6,3 | 28 | 19 |
| PE UMX 010 | 7,9 | 44 | 30 |
| PE UMX 012 | 9,5 | 65 | 43 |
| PE UMX 014 | 11,2 | 89 | 59 |
| PE UMX 016 | 13,0 | 120 | 80 |
| PE UMX 020 | 16,3 | 188 | 125 |
| PE UMX 024 | 19,5 | 270 | 180 |
| PE UMX 027 | 22,2 | 352 | 235 |
| PE UMX 030 | 24,7 | 430 | 286 |
| PE UMX 036 | 29,8 | 626 | 417 |
| PE UMX 042 | 34,9 | 859 | 573 |

All corresponding PE UMX-cable end connectors are designed for the characteristic breaking strengths F_{uk} respectively for the design resistances F_{Rd} shown in the table.

Example:

Cable PE UMX 008 with end connectors Type 621-PE UMX 008, Type 623-PE UMX 008, Type 629-PE UMX 008, Type 633-PE UMX 008 or Type 635-PE UMX 008 is designed for the characteristic breaking strength 28 kN respectively for the design resistance of 19 kN.

Alle dazugehörenden PE UMX-Seilendbeschläge sind auf die in der Tabelle angegebenen charakteristischen Bruchkräfte F_{uk} bzw. auf die in der Tabelle angegebenen Bemessungszugkräfte F_{Rd} ausgelegt.

Beispiel:

Seil PE UMX 008 mit den Endbeschlägen Type 621-PE UMX 008, Type 623-PE UMX 008, Type 629-PE UMX 008, Type 633-PE UMX 008 or Type 635-PE UMX 008 ist für eine charakteristische Bruchkraft von 28 kN bzw. für eine Bemessungszugkraft von 19 kN ausgelegt.

PFEIFER – Wire Ropes
PFEIFER – Seil-Zugglieder

PE UMX Characteristic breaking strengths and design resistances
PE UMX Charakteristische Bruchkräfte und Bemessungszugkräfte

Annex L2
Anhang L2