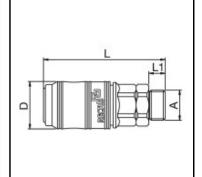
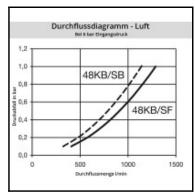
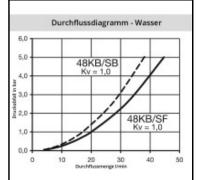
# Datasheet of 48KBAW21FVXB Quick coupling with male thread D U S T R I E

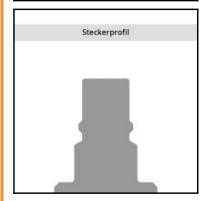


# Kein Foto vorhanden









## Description

Quick coupling double shut-off, color coded (B = blue), male thread G 1/2, nominal diameter 7, <8 bar, PVDF, seal FKM

Coupling series made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The system is also available in a solid plastic design (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material.

#### Details

Series long:       48KB         Bore in mm:       7         Bore area in mm?:       38         Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarantee for avoiding mix.ups between media when coupling. The coupling is also available with no valve for a straighthrough system.         Working pressure:       PB = 8 bar (PVDF with springs made of Steep) PB = 8 bar (PVDF with springs made of Steep) PB = 8 bar (PVDF with springs made of Steep) PB = 8 bar.(PVDF with springs made of Steep) PB = 8 bar.(PVDF with springs made of Steep) PB = 8 bar.(PVDF with springs made of Steep) PB = 8 bar.(PVDF with safety factor 4 to 1.         Working temperature:       -20°C up to +120°C depending on the medium.         Shut-Off:       Quick coupling Double Shut-Off         Connection:       Male thread 1/2"         Connection type:       Male thread 1/2"         Connection type:       Male thread         Material cescription:       PVDF         Sal description:       PVDF         Sal description:       PVDF         Surface:       blank finish         Coding:       B = blue         Material valve body:       PVDF, white         Material valve body:       PVDF, white         Material valve:       PVDF, white         Material valve:       PVDF, white         Material valve:       PVDF, white <th>Series:</th> <th>48</th>	Series:	48
Bore in mm:       7         Bore area in mm?:       38         Advantages:       Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straighthrough system.         PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of PEEK), maximum static working pressure with safet yractor 4 to 1.         Working temperature:       -20°C up to +120°C depending on the medium.         Shut-Off:       Quick coupling Double Shut-Off         Connection description:       Male thread 1/2°         Connection description:       Male thread 1/2°         Connection description:       PVDF         Stat-Garce:       blank finish         Coding:       B = blue         Material connection:       PVDF, white         Material connection:       PVDF, white         Material spring snap ring:       Stainless steel AISI 316Ti         Material spring snap ring:       Stainless steel AISI 316Ti         Material spring system:       No         Safety locking system:       No      <		
Bore area in mm*:       38         Bore area in mm*:       38         Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarante for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straighthrough system.         PB = 8 bar (PVDF with springs made of PEEK), maximum static working pressure with safety factor 4 to 1.         Working temperature:       -20°C up to +120°C depending on the medium.         Shut-Off:       Quick coupling balls with nor alve for a straighthrough system.         Working temperature:       -20°C up to +120°C depending on the medium.         Connection:       Male thread 1/2"         Connection description:       Male thread 1/2"         Connection type:       Male thread         Material:       PVDF         Straface:       blank finish         Coding:       B = blue         Material description:       PVDF         Straface:       blank finish         Coding:       B = blue         Material valve body:       PVDF, white         Material valve body:       PVDF, white         Material seleve:       PVDF, white         Material selewis:       PVDF, white         Material valve:       PVDF, white         Material sele/lipins:       PVDF, white		
Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarantee for a straightfhrough system.           Advantages:         avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straightfhrough system.           PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of steel) PS = 8 bar (PVDF with springs made of steel) PS = 8 bar (PVDF with springs made of steel) PS = 8 bar (PVDF with springs made of steel) PS = 8 bar (PVDF, white material description:           Startace:         blank finish Coding:         B = blue           Material connection:         PVDF, white Material steeve:         PVDF, white Material steeve:           Material spring snap ring:         Stainless steel AISI 31611           Material spring snap ring:         Stainless steel AISI 3161           Material seal:         Viton®           Weight in kg:         0,0385           Coded:         Yes           Self-venting coupling:         No           Safety locking system:         No           Ball locking:		
Advantages:       coding of the coupling and plug offers a guarantee for         Advantages:       avoiding mix-ups between media when coupling. The         coupling is also available with no valve for a       straightthrough system.         Working pressure:       be 8 bar (PVDF with springs made of steel) PB = 8 bar (PVDF with springs made of PEEA), maximum static         working temperature:       -20°C up to +120°C depending on the medium.         Shut-Off:       Quick coupling Double Shut-Off         Connection description:       Male thread of Whitworth form ISO 228 1/2         Connection description:       Male thread of Whitworth form ISO 228 1/2         Connection description:       PVDF         Surface:       blank finish         Coding:       B = blue         Material connection:       PVDF         Material valve body:       PVDF, white         Material valve body:       PVDF, white         Material seleve:       PVDF, white         Material seleve:       PVDF, white         Material selerign snap ring:       Stainless steel AlSI 316Ti         Material sele:       VIDF, white         Material sele:       Viton®         With registions:       PVDF, white         Material sele:       Viton         With regouplang:       No	Bore area in mm <sup>2</sup> :	
Working pressure:         bar (PVDF with springs made of PEEK), maximum static working pressure with safety factor 4 to 1.           Working temperature:         -20°C up to +120°C depending on the medium.           Shut-Off:         Quick coupling Double Shut-Off           Connection         Male thread 1/2"           Connection type:         Male thread           Material:         PVDF           Material:         PVDF           Material description:         PVDF           Seaf description:         Fluororubber           Surface:         blank finish           Coding:         B = blue           Material secription:         PVDF, white           Material secription:         PVDF, white           Material connection:         PVDF, white           Material secription:         No           Self-venting coupling:         No           Self-venting coupling:         No           Self-venting coupling: <td>Advantages:</td> <td>coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straightthrough system.</td>	Advantages:	coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straightthrough system.
Shut-Off:       Quick coupling Double Shut-Off         Connection:       Male thread 1/2"         Connection description:       Male pipe thread of Whitworth form ISO 228 1/2         Connection type:       Male thread         Material:       PVDF         Material description:       Fluororubber         Surface:       blank finish         Coding:       B = blue         Material connection:       PVDF, white         Material valve body:       PVDF, white         Material valve body:       PVDF, white         Material somection:       PVDF, white         Material solve:       PVDF, white         Material solve:       PVDF, white         Material solve:       PVDF, white         Material solve:       PVDF, white         Material sping snap ring:       Stainless steel AISI 316Ti         Material seal:       Vitorn®         Weight in kg:       0,0365         Coded:       Yes         Self-venting coupling:       No         Safety locking system:       No         Safety locking:       No         Ball locking:       No         Vitar-Co-valve:       No         Vacuum suitable:       Yes         Wac	Working pressure:	bar (PVDF with springs made of PEEK), maximum static
Connection:Male thread 1/2"Connection description:Male pipe thread of Whitworth form ISO 228 1/2Connection type:Male threadMaterial:PVDFMaterial description:PVDFSel description:FluororubberSurface:blank finishConnection:PVDF, whiteMaterial solve body:PVDF, whiteMaterial seeve:PVDF, whiteMaterial seeve:PVDF, whiteMaterial seeve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSafety locking system:NoSafety locking system:NoBall locking:NoYeacum suitable:YesWater-resistant:NoSuitabe thread or resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure e	Working temperature:	-20°C up to +120°C depending on the medium.
Connection description:Male pipe thread of Whitworth form ISO 228 1/2Connection type:Male threadMaterial:PVDFMaterial description:PVDFSeal description:FluororubberSurface:blank finishCoding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleipring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial sleal:Viton®Weight in kg:0.0365Coded:YesSafety locking system:NoSafety locking system:NoSafety locking system:NoBall locking:NoVature:NoVature:NoSuitable:YesWater-resistant:NoFlat-sealing:NoSuitable:YesMaterial se:YesPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:YesStandard product:No	Shut-Off:	Quick coupling Double Shut-Off
Connection type:Male threadMaterial:PVDFMaterial description:PVDFSeal description:FluororubberSeal description:Bahk finishCoding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial valve:PVDF, whiteMaterial slespring snap ring:Stainless steel AISI 316TiMaterial slesiViton®Weight in kg:0.0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoVacuum suitable:YesWater-resistant:NoSuitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoStandard product:No	Connection:	Male thread 1/2"
Material:       PVDF         Material description:       PVDF         Seal description:       Fluororubber         Surface:       blank finish         Coding:       B = blue         Material connection:       PVDF, white         Material alore body:       PVDF, white         Material sleeve:       PVDF, white         Material sleeve:       PVDF, white         Material spring snap ring:       Stainless steel AISI 316Ti         Material balls/pins:       PVDF, white         Material seal:       Viton®         Weight in kg:       0,0365         Coded:       Yes         Safety locking system:       No         Single-hand operation:       Yes         Material seal:       No         Safety locking:       No         Ball locking:       No         Pin lock:       No         Ultra-FLO-valve:       No         Vacuum suitable:       Yes         Water-resistant:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Pressure eliminator:       No         Prevenatics:       Yes         Standard product:	Connection description:	Male pipe thread of Whitworth form ISO 228 1/2
Material description:PVDFSeal description:FluororubberSurface:blank finishCoding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial slesve:PVDF, whiteMaterial slesve:PVDF, whiteMaterial slesve:PVDF, whiteMaterial slesve:PVDF, whiteMaterial slespring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPresure eliminator:NoPreumatics:YesStandard product:No	Connection type:	
Seal description:FluororubberSurface:blank finishCoding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial salis/pins:PVDF, whiteMaterial salis/pins:PVDF, whiteMaterial salis/pins:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:YesStandard product:No	Material:	PVDF
Surface:blank finishCoding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoVacuum suitable:YesWater-resistant:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPreumatics:YesStandard product:No	Material description:	PVDF
Coding:B = blueMaterial connection:PVDF, whiteMaterial valve body:PVDF, whiteMaterial valve body:PVDF, whiteMaterial sleave:PVDF, whiteMaterial valve:PVDF, whiteMaterial valve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Material seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Seal description:	Fluororubber
Material connection:       PVDF, white         Material valve body:       PVDF, white         Material sleeve:       PVDF, white         Material valve:       PVDF, white         Material spring snap ring:       Stainless steel AISI 316Ti         Material balls/pins:       PVDF, white         Material seal:       Viton®         Weight in kg:       0,0365         Coded:       Yes         Self-venting coupling:       No         Safety locking system:       No         Single-hand operation:       Yes         Two-hand operation:       No         Ball locking:       No         Pin lock:       No         Ultra-FLO-valve:       No         Vacuum suitable:       Yes         Water-resistant:       No         Flat-sealing:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Presu	Surface:	blank finish
Material valve body:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial sleeve:PVDF, whiteMaterial valve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPneumatics:YesStandard product:No	Coding:	B = blue
Material sleeve:PVDF, whiteMaterial valve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPreumatics:YesStandard product:No	Material connection:	PVDF, white
Material valve:PVDF, whiteMaterial spring snap ring:Stainless steel AISI 316TiMaterial salls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPressure eliminator:NoPreumatics:YesStandard product:No	Material valve body:	PVDF, white
Material spring snap ring:Stainless steel AISI 316TiMaterial spring snap ring:PVDF, whiteMaterial balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Material sleeve:	PVDF, white
Material balls/pins:PVDF, whiteMaterial seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoBall locking:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material valve:	PVDF, white
Material seal:Viton®Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material spring snap ring:	Stainless steel AISI 316Ti
Weight in kg:0,0365Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Material balls/pins:	PVDF, white
Coded:YesSelf-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Material seal:	Viton®
Self-venting coupling:NoSafety locking system:NoSingle-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:YesStandard product:No	Weight in kg:	0,0365
Safety locking system:       No         Single-hand operation:       Yes         Two-hand operation:       No         Ball locking:       No         Pin lock:       No         Ultra-FLO-valve:       No         Vacuum suitable:       Yes         Water-resistant:       No         Flat-sealing:       No         Suitable breath / respiratory protection:       No         Pressure eliminator:       No         Hydraulics:       No         Pneumatics:       Yes         Standard product:       No	Coded:	Yes
Single-hand operation:YesSingle-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Self-venting coupling:	No
Single-hand operation:YesTwo-hand operation:NoBall locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Safety locking system:	No
Ball locking:NoPin lock:NoUltra-FLO-valve:NoVacuum suitable:YesWater-resistant:NoFlat-sealing:NoSuitable breath / respiratory protection:NoPressure eliminator:NoHydraulics:NoPneumatics:YesStandard product:No	Single-hand operation:	Yes
Pin lock:     No       Ultra-FLO-valve:     No       Vacuum suitable:     Yes       Water-resistant:     No       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Two-hand operation:	No
Ultra-FLO-valve:     No       Vacuum suitable:     Yes       Water-resistant:     No       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Ball locking:	No
Vacuum suitable:     Yes       Water-resistant:     No       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Pin lock:	No
Water-resistant:     No       Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Ultra-FLO-valve:	No
Flat-sealing:     No       Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Vacuum suitable:	Yes
Suitable breath / respiratory protection:     No       Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Water-resistant:	No
Pressure eliminator:     No       Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Flat-sealing:	No
Hydraulics:     No       Pneumatics:     Yes       Standard product:     No	Suitable breath / respiratory protection:	No
Pneumatics: Yes Standard product: No	Pressure eliminator:	No
Standard product: No	Hydraulics:	No
· · · · · · · · · · · · · · · · · · ·	Pneumatics:	Yes
Mould couplina: No	Standard product:	No
	Mould coupling:	No

### Dimensions

Connection A:	G 1/2
D mm:	26
L mm:	73,5
L1 mm:	12
SW mm:	21

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