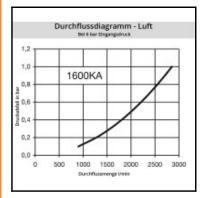
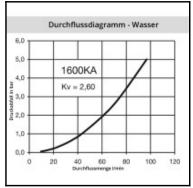


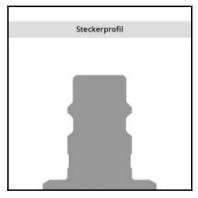
# Datasheet of 1600KAAK21SPN Quick coupling with male thread DUSTRIE



# Species P







## Description

Quick coupling single shut-off, male thread R 1/2, nominal diameter 7,8, <35 bar, steel nickel plated, seal NBR

Rectus Tema premium industrial coupling 3/8 with European standard profile. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

### Details

Series:         1600           Bore in mm:         7,8           Bore area in mm?:         48           Advantages:         One-hand operation. UltraFio valve. Reduced coupling forces.           Compatibility:         RECTUS 25 + 26 RECTUS 1625 TEMA 1600           Working pressure:         35 bar maximum static working pressure with safety factor 4 to 1.           Working temperature:         -20°C up to +100°C (NBR) -40°C up to +120°C (EPDM) depending on the medium.           Working temperature:         -15°C up to +20°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.           Shut-Off:         Quick coupling Single Shut-Off           Connection:         Male thread 112°           Connection description:         Male thread of Whitworth form DIN 2999 1/2°           Connection type:         Male thread           Material description:         Steel 9SMnPb28K 1.0718           Material description:         Steel 9SMnPb28K 1.0718           Surface:         nickel plated           Material valve body:         Steel 9SmnPb28K 1.0718           Material valve body:         Steel, QPQ treated           Material spiring snap ring:         stainless steel AISI 301           Material spiring snap ring:         stainless steel AISI 301           Material spiring snap ring:         stainless steel AISI 420		
Bore in mm:   7,8	Series:	1600
Bore area in mm²:  Advantages:  One-hand operation. UltraFlo valve. Reduced coupling forces.  Compatibility:  RECTUS 25 + 26 RECTUS 1625 TEMA 1600  Working pressure:  35 bar maximum static working pressure with safety factor 4 to 1.  -20°C up to +100°C (NBR) -40°C up to +120°C (EPDM) -15°C up to +200°C (FKM) orc up to +316°C (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off  Connection:  Male thread 1/2°  Connection type:  Male thread 1/2°  Connection type:  Male thread  Material description:  Steel solknife-plated  Material description:  Steel solknife-plated  Material connection:  Material connection:  Brass nickel plated  Material valve body:  Material valve body:  Material spring snap ring:  Material seal:  Perbunan®  Weight in kg:  0,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  No  Sall locking:  Yes  Water-resistant:  No  Ultra-FLO-valve:  Yes  Water-resistant:  No  Pressure eliminator:  Yes  Standard product:  Yes	Series long:	
Advantages:  Compatibility:  RECTUS 25 + 26 RECTUS 1625 TEMA 1600  Working pressure:  35 bar maximum static working pressure with safety factor 4 to 1.		17
Advantages: forces.  Competibility: RECTUS 25 + 26 RECTUS 1625 TEMA 1600  Working pressure: 35 bar maximum static working pressure with safety factor 4 to 1.  -20°C up to +100°C (NBR) -40°C up to +120°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +120°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.  Shut-Off: Quick coupling Single Shut-Off  Connection: Male thread 1/2°  Connection description: Male thread of Whitworth form DIN 2999 1/2° Male thread of Whitworth form DIN 2999 1/2° Male thread description: Steel nickel-plated  Material: Steel nickel-plated  Material description: Steel 9SMnPb28K 1.0718  Seal description: Nitrite-butadiene rubber  Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Steel, QPQ treated  Material valve body: Steel, QPQ treated  Material valve: Brass nickel plated  Material seleve: Brass nickel plated  Material spring snap ring: stainless steel AISI 301  Material spring snap ring: stainless steel AISI 420  Material seal: Perbunan®  Weight in kg: 0,1126  Self-venting coupling: No  Single-hand operation: Yes  Single-hand operation: No  Single-hand operation: No  Ball locking: Yes  Presum suitable: Yes  Vacuum suitable: Yes  Vacuum suitable: Yes  Vacuum suitable: Yes  Vatuable breath / respiratory protection: No  Pressure eliminator: No  Presume eliminator: No  Presume eliminator: No  Presumedics: Yes  Standard product: Yes	Bore area in mm²:	
Working pressure:  35 bar maximum static working pressure with safety factor 4 to 1.  -20°C up to +100°C (NBR) -40°C up to +120°C (EPDM) -15°C up to +200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off Connection:  Male thread 1/2°  Connection description:  Male thread of Whitworth form DIN 2999 1/2°  Connection type:  Male thread  Material:  Steel nickel-plated  Material description:  Steel 9SMnPb28K 1.0718  Seal description:  Nitrite-butadiene rubber  surface:  nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass sickel plated  Material sleeve:  Brass nickel plated  Materia	Advantages:	
Working pressure:  factor 4 to 1.  -20°C up to +100°C (NBR) -40°C up to +120°C (EPDM) Working temperature:  -16°C up to +200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off Connection:  Male thread 1/2"  Connection description:  Male thread of Whitworth form DIN 2999 1/2"  Male thread Material:  Steel nickel-plated Material description:  Seal description:  Surface:  nickel plated Material connection:  Brass nickel plated Material valve body:  Material valve body:  Material valve:  Brass nickel plated  Material valve:  Brass nickel plated  Material sleeve:  Material spring snap ring:  Material balls/pins:  Stainless steel AISI 301  Material balls/pins:  Stainless steel AISI 420  Material seal:  Perbunan®  Perbunan®  Self-venting coupling:  No  Safety locking system:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Yes  Vacuum suitable:  Water-resistant:  No  Presure eliminator:  Yes  Standard product:  Yes  Standard product:  Yes  Standard product:  Yes  Standard product:  Yes	Compatibility:	RECTUS 25 + 26 RECTUS 1625 TEMA 1600
Working temperature:  -15°C up to +200°C (FKM) 0°C up to +316°C (FFKM) depending on the medium.  Shut-Off:  Quick coupling Single Shut-Off  Connection:  Male thread 1/2"  Connection description:  Male tapered thread of Whitworth form DIN 2999 1/2"  Male thread  Material:  Steel nickel-plated  Material description:  Steel 9SMnPb28k 1.0718  Seal description:  Nitrite-butadiene rubber  Surface:  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material valve body:  Steel, QPQ treated  Material valve:  Brass  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Material seal:  Perbunan®  Weight in kg:  0,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  No  Ball locking:  Yes  Pin lock:  Wes  Water-resistant:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presumatics:  Yes  Standard product:  Yes	Working pressure:	
Connection:  Male thread 1/2"  Connection description:  Male tapered thread of Whitworth form DIN 2999 1/2"  Connection type:  Material:  Steel nickel-plated  Material description:  Steel symPb28K 1.0718  Seal description:  Nitrite-butadiene rubber  Surface:  nickel plated  Material connection:  Brass nickel plated  Material valve body:  Steel, QPC treated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass steel AISI 301  Material spring snap ring:  Stainless steel AISI 301  Material balls/pins:  Stainless steel AISI 420  Material seal:  Perbunan®  Weight in kg:  Q,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  Ves  Vacuum suitable:  Yes  Water-resistant:  No  Flat-sealing:  No  Suitable breath / respiratory protection:  No  Presume discription  Yes  Standard product:  Yes	Working temperature:	-15°C up to +200°C (FKM) 0°C up to +316°C (FFKM)
Connection description:  Connection type:  Male thread  Material:  Steel nickel-plated  Material description:  Steel 9SMnPb28K 1.0718  Seal description:  Nitrite-butadiene rubber  Surface:  nickel plated  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material valve:  Brass nickel plated  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Stainless steel AISI 301  Material balls/pins:  Material balls/pins:  No  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Pin lock:  Vacuum suitable:  Wes  Water-resistant:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presumatics:  No  Pneumatics:  No  Pneumatics:  Yes  Standard product:  Yes  Steel AISI 420  Material spring spring:  Material spring spring:  No  Standard product:  Material valve:  No  No  No  No  No  No  No  No  No  N	Shut-Off:	Quick coupling Single Shut-Off
Connection type:  Material:  Steel nickel-plated  Material description:  Steel 9SMnPb28K 1.0718  Seal description:  Nitrite-butadiene rubber  Surface:  nickel plated  Material connection:  Brass nickel plated  Material valve body:  Steel, QPQ treated  Material sleeve:  Brass nickel plated  Material sleeve:  Material spring snap ring:  Stainless steel AISI 301  Material balls/pins:  Stainless steel AISI 420  Material seal:  Perbunan®  Weight in kg:  0,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  Vo  Ultra-FLO-valve:  Yes  Vacuum suitable:  Yes  Water-resistant:  No  Flat-sealing:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presuratics:  Yes  Standard product:  Yes  Standard product:  Yes	Connection:	Male thread 1/2"
Material: Steel nickel-plated  Material description: Steel 9SMnPb28K 1.0718  Seal description: Nitrite-butadiene rubber  Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Steel, QPQ treated  Material sleeve: Brass nickel plated  Material spring snap ring: stainless steel AISI 301  Material balls/pins: Stainless steel AISI 420  Material seal: Perbunan®  Weight in kg: 0,1126  Self-venting coupling: No  Safety locking system: No  Single-hand operation: Yes  Two-hand operation: No  Ball locking: Yes  Pin lock: No  Ultra-FLO-valve: Yes  Water-resistant: No  Pressure eliminator: No  Pressure eliminator: No  Pressure eliminator: No  Pressure eliminator: No  Presure eliminator: No  Presure eliminator: Yes  Standard product: Yes  Standard product: Yes	Connection description:	Male tapered thread of Whitworth form DIN 2999 1/2"
Material description: Steel 9SMnPb28K 1.0718 Seal description: Nitrite-butadiene rubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Steel, QPQ treated Material sleeve: Brass nickel plated Material sleeve: Brass sleel AISI 301 Material spring snap ring: Material spring snap ring: Stainless steel AISI 301 Material balls/pins: Stainless steel AISI 420 Material seal: Perbunan® Weight in kg: 0,1126 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: Yes Vacuum suitable: Yes Vacuum suitable: Yes Vacuum suitable: Yes Suitable breath / respiratory protection: No Pressure eliminator: No Pressure eliminator: No Pneumatics: Yes Standard product:	Connection type:	Male thread
Seal description:  Surface:  nickel plated  Material connection:  Material valve body:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material seal:  Weight in kg:  Self-venting coupling:  No Safety locking system:  No Single-hand operation:  Two-hand operation:  Mo Ball locking:  Pin lock:  Waterial-LO-valve:  Vacuum suitable:  Water-resistant:  Fiat-sealing:  No Suitable breath / respiratory protection:  No Pressure eliminator:  No Pneumatics:  No Presumatics:  No Pressure eliminator:  No Presumatics:  Yes Standard product:  No Pressure eliminator:  No Pressure eliminator:  No Presumatics:  Yes Standard product:  Parss nickel plated  Brass nickel pl	Material:	Steel nickel-plated
Surface: nickel plated  Material connection: Brass nickel plated  Material valve body: Steel, QPQ treated  Material sleeve: Brass nickel plated  Material sleeve: Brass nickel plated  Material valve: Brass  Material spring snap ring: stainless steel AISI 301  Material balls/pins: Stainless steel AISI 420  Material seal: Perbunan®  Weight in kg: 0,1126  Self-venting coupling: No  Safety locking system: No  Single-hand operation: Yes  Two-hand operation: No  Ball locking: Yes  Pin lock: No  Ultra-FLO-valve: Yes  Vacuum suitable: Yes  Water-resistant: No  Flat-sealing: No  Suitable breath / respiratory protection: No  Pressure eliminator: No  Pressure eliminator: No  Pneumatics: Yes  Standard product: Yes	Material description:	Steel 9SMnPb28K 1.0718
Material connection:  Material valve body:  Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material seal:  Weight in kg:  Self-venting coupling:  Safety locking system:  No Single-hand operation:  Moell locking:  Pes	Seal description:	Nitrite-butadiene rubber
Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Modelial seal:  Perbunan®  Weight in kg:  O,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Yes  Vacuum suitable:  Yes  Water-resistant:  No  Flat-sealing:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  Yes	Surface:	nickel plated
Material sleeve:  Material valve:  Material spring snap ring:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Material seal:  Perbunan®  Weight in kg:  O,1126  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Yes  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  Brass nickel plated  Brass  Brass  Brass  Inickel plated  Brass  Stainless steel AISI 301  No  No  No  No  No  No  No  No  No  N	Material connection:	Brass nickel plated
Material valve:  Material spring snap ring:  Material balls/pins:  Material seal:  Weight in kg:  Self-venting coupling:  Single-hand operation:  Two-hand operation:  Mo  Ball locking:  Yes  Yes  Vacuum suitable:  Water-resistant:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Material valve:  Brass  Stainless steel AISI 301  Stainless steel AISI 420  Mo  O,1126  Stainless steel AISI 420  No  O,1126  Stainless steel AISI 420  No  No  Self-venun®  No  No  Safety locking system:  No  No  No  Wes  Two-hand operation:  No  No  Ultra-FLO-valve:  Yes  Water-resistant:  No  Flat-sealing:  No  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pheumatics:  Yes  Standard product:  Yes	Material valve body:	Steel, QPQ treated
Material spring snap ring:  Material balls/pins:  Material seal:  Weight in kg:  Self-venting coupling:  Safety locking system:  No Single-hand operation:  Two-hand operation:  Mo Ball locking:  Pin lock:  Ultra-FLO-valve:  Ves  Water-resistant:  No Suitable breath / respiratory protection:  No Pressure eliminator:  No Pneumatics:  Stainless steel AISI 301  No  Prebunan®  No  No  No  Suitable system  No  No  Pressure eliminator:  No Pneumatics:  Yes  Standard product:  Yes	Material sleeve:	Brass nickel plated
Material balls/pins:         Stainless steel AISI 420           Material seal:         Perbunan®           Weight in kg:         0,1126           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Material valve:	Brass
Material seal:  Weight in kg:  Self-venting coupling:  Safety locking system:  No  Single-hand operation:  Two-hand operation:  Pessure sling:  Ves  Vacuum suitable:  Water-resistant:  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pheumatics:  Standard product:  Perbunan®  O,1126  No  No  No  No  No  No  No  No  No  N	Material spring snap ring:	stainless steel AISI 301
Weight in kg:         0,1126           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Material balls/pins:	Stainless steel AISI 420
Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Material seal:	Perbunan®
Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Weight in kg:	0,1126
Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Self-venting coupling:	No
Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Safety locking system:	No
Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Single-hand operation:	Yes
Pin lock:         No           Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Two-hand operation:	No
Ultra-FLO-valve:         Yes           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Ball locking:	Yes
Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         No           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         Yes	Pin lock:	No
Water-resistant:  Flat-sealing:  No Suitable breath / respiratory protection:  No Pressure eliminator:  Hydraulics:  No Pneumatics:  Yes Standard product:  No	Ultra-FLO-valve:	Yes
Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  Yes	Vacuum suitable:	Yes
Suitable breath / respiratory protection:  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  Yes	Water-resistant:	No
Pressure eliminator:  No Hydraulics: No Pneumatics: Yes Standard product: Yes	Flat-sealing:	No
Hydraulics: No Pneumatics: Yes Standard product: Yes	Suitable breath / respiratory protection:	No
Pneumatics: Yes Standard product: Yes	Pressure eliminator:	No
Standard product: Yes	Hydraulics:	No
·	Pneumatics:	Yes
Mould coupling: No	Standard product:	Yes
	Mould coupling:	No

### Dimensions

Connection A:	R 1/2
D mm:	23
L mm:	59,5
L1 mm:	17
SW mm:	22