



Data sheet

Quick connect coupling

Series 28

Coupling: 28KS

Plug: 28SS

DN: 10,5 = 85 mm²

Working pressure (static): 0 up to 35 bar

Working temperature: -20°C up to +100°C (depending on the seal material and medium)

Single shut off	<input checked="" type="checkbox"/>	Single hand operation	<input type="checkbox"/>	ULTRA-FLO-Valve	<input checked="" type="checkbox"/>
Double shut off	<input type="checkbox"/>	Two hand operation	<input checked="" type="checkbox"/>	Pipe-valve	<input type="checkbox"/>
Straight through	<input type="checkbox"/>	Ball locking system	<input checked="" type="checkbox"/>	U-Cup-Seal	<input type="checkbox"/>
Self venting	<input type="checkbox"/>	Pin locking system	<input type="checkbox"/>	O-Ring-Seal	<input checked="" type="checkbox"/>
Safety lock	<input checked="" type="checkbox"/>	Coupling anti-splash	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Dry Break	<input type="checkbox"/>	Plug anti-splash	<input type="checkbox"/>		<input type="checkbox"/>

Materials:

Standard

Version

Back body	Brass, nickel plated	
Valve body	Steel, nickel plated	
Sleeve	Steel, hardened, nickel plated	
Valve	Brass	
Spring	AISI 301	
Locking Balls / Pins	AISI 420	
Seals	Buna N	
Plug	Steel, hardened, nickel plated	

Description:

The 28KS safety coupling is a larger version of the 25KS series. The plug must be pushed further into the coupling before it can be disconnected, which prevents unintentional disconnection. The 28KS is a high quality coupling with a high flow-rate due to the ULTRA-FLO valve. The multitude of connecting options of the 28KS allows an universal use.

Interchangeability:

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Versions / special equipment (in part not for all versions, others upon request):

seal material Buna N, Viton, Kalrez, Ethylen-Propylen;
 surface nickel plated, chrome plated, durnicoat;
 oil and grease free, silicon free;

Test values at 20°C (depending on the version):

Flow-rate air: 2200 l/min at 6 bar inlet pressure and 0,5 bar pressure drop
 Flow-rate water: - l/min at 0,5 bar pressure drop

Vacuum coupling:	min. 87 %	Weight coupling:	app. 190 g
Vacuum plug:	min. - %	Weight plug:	app. 45 g
Vacuum connected:	min. 87 %	Leakage rate / dead volume:	app. - ml

Connecting force:	w/o pressure app. 65 N	at 6 bar inlet pressure	app. 190 N
Disconnecting force:	w/o pressure app. 65 N	at 6 bar inlet pressure	app. 190 N

Safety factor: at least 4-times Burst-pressure: at least 140 bar

Fatigue: 5000 cycles connecting/disconnecting tightness and function O.K.

Revision	Date	Name		Date	Name	Document-no.: DB-28KS-SS-engl
A	29.03.04	schwab	Made.	16.05.02	Zahn	
			Check	16.05.02	Zahn	
			Stand.			