

Swing Couplings SC

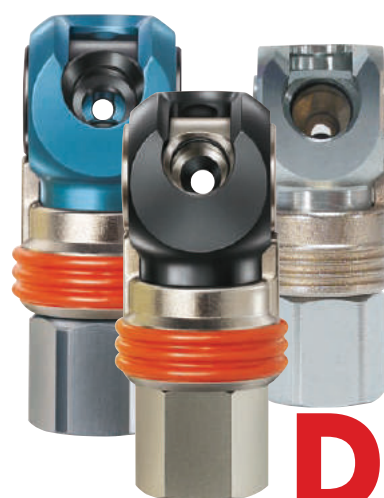
Product Overview



DN6

1/4"

Series A1
Series B1
Series K
Series N
Series P



DN8

3/8"

Series C
Series D
Series DL
Series E
Series E1
Series M
Series J



DN11

1/2"

Series G
Series H
Series HB



DN19

3/4"

Series I

Swing Couplings SC

Swing to Connect

Simple and quick connection with no force or loss of pressure in the system

EN

Connection

- Push suitable plug into coupling and swing approximately 90° until the orange ring engages in the groove.

DE

Einkuppeln

- Passenden Stecknippel in die Kupplung einstecken und ca. 90° schwenken, bis der orange Ring in der vorgesehenen Nut einrastet.

FR

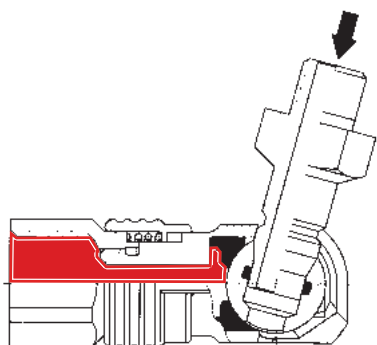
Accouplement

- Engager l'about adapté dans le coupleur et le pivoter d'environ 90° jusqu'à ce que le barillet soit bloqué par l'ergot de la bague orange.

NL

Aankoppelen

- Een passende insteeknippel in de koppeling steken en ca. 90° knikken, tot de oranje ring in de daarvoor uitgespaarde borging klikt.



Full flow with no restrictions.

EN

Disconnection

- Pull back orange ring and swing plug to stop. Remove plug from coupling.

DE

Auskuppeln

- Orangen Ring zurückstossen und Stecknippel bis zum Anschlag schwenken, Stecknippel aus der Kupplung ziehen.

FR

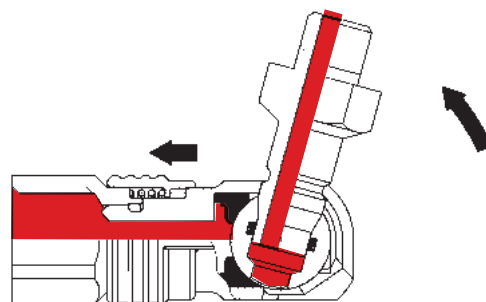
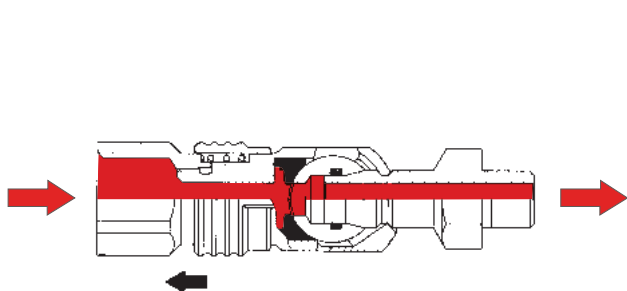
Désaccouplement

- Tirer la bague orange vers l'arrière pour dégager le barillet et pivoter l'about jusqu'au point de butée, puis désengager l'about du barillet.

NL

Afkoppelen

- De oranje ring terugschuiven en de insteeknippel tot de aanslag terugknikken, de insteeknippel uit de koppeling trekken.



EN

Disconnection

- In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.

DE

Auskuppeln

- Um ein gefährliches Rückschlagen des Schlauches zu vermeiden, muss der Stecknippel so lange in der Hand gehalten werden, bis der Schlauch vollständig entlüftet ist.

FR

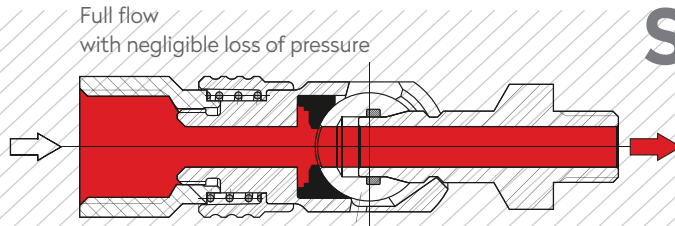
Désaccouplement

- Pour éviter un coup de fouet du tuyau, il convient de garder l'about en main jusqu'à ce que le tuyau soit entièrement purgé.

NL

Afkoppelen

- Om een gevaarlijke terugslag van de slang te vermijden, moet de insteeknippel in de hand gehouden worden tot de slang volledig ont- lucht is.



Swing Couplings SC

Swing to Connect

More efficient, low energy consumption and safe



EN

The new generation of TST Couplings, the valveless SC coupling model—result of innovative development and many years of experience—free flow guaranteed in every case. When using compressed air operated equipment, for instance, in conjunction with TST Swing Couplings SC, the result will always be a method of operation which is more efficient with low energy consumption, thus making it very economical.

Application

Throughput media

Compressed air, gases, liquids and media with low to medium viscosity due to free flow with no restrictions. Easy to clean.

DE

Die neue TST Kupplungs-Generation, des ventillosen Kupplungs-Typs SC ist das Ergebnis innovativer Entwicklung und langjähriger Erfahrung und garantiert in jedem Fall vollen Durchgang. So ist z.B. beim Betrieb druckluftbetriebener Geräte in Verbindung mit TST Schwenk-Kupplungen SC eine effizientere, energiesparendere und somit wirtschaftlichere Wirkungsweise die Folge.

Anwendungsbereich

Durchflussmedien

Druckluft, Gase, Flüssigkeiten und Medien mit niedriger bis mittlerer Viskosität dank freiem Durchgang ohne Umlenkung. Leicht zu reinigen.

FR

La nouvelle génération des coupleurs TST, les coupleurs pivotants SC sans valve – résultat d'un développement innovant et de nombreuses années d'expérience – garantit dans tous les cas un passage intégral. Ainsi l'utilisation d'un outillage pneumatique connecté au réseau par l'intermédiaire d'un coupleur pivotant SC TST se révèle-t-elle plus efficace, économe en énergie, et par conséquent plus rentable.

Domaine d'application

Fluides véhiculés

Air comprimé, gaz, liquides et substances de viscosité faible à moyenne grâce au passage libre sans déviation du flux. Facile à nettoyer.

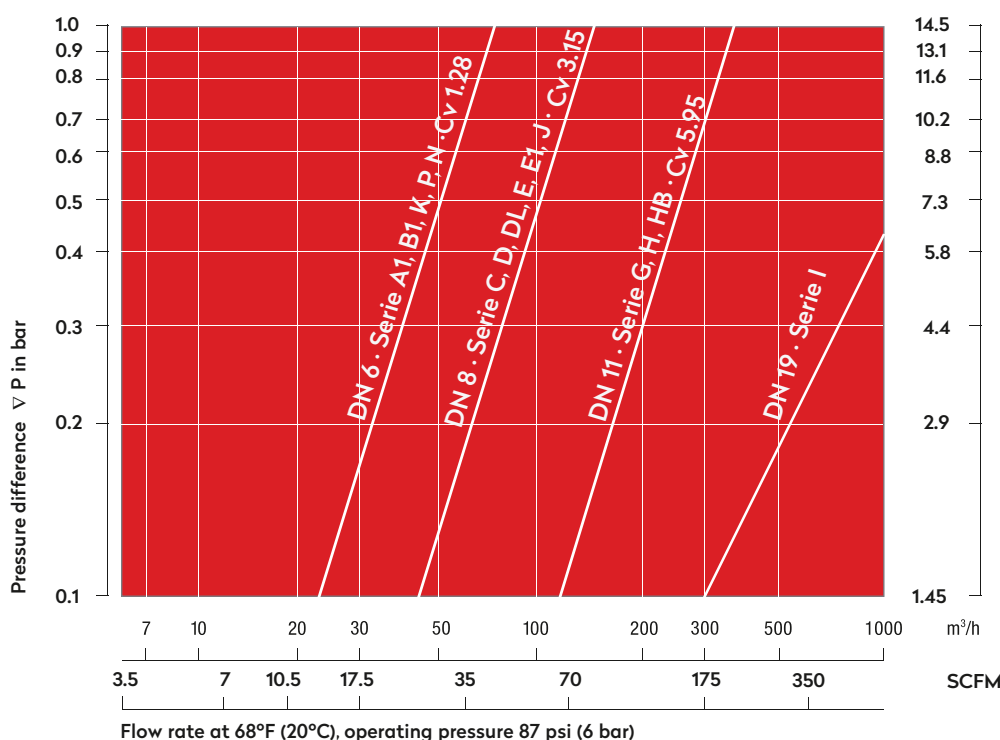
NL

Het resultaat van innovatieve ontwikkeling en jarenlange ervaring is de nieuwe generatie TST koppelingen, het SC type zonder klep – deze garandeert bij ieder gebruik een volledige doorlaat. Zo ontstaat bij het gebruik van b.v. luchtgereedschap verbonden door de TST knikkoppeling SC een werkwijze die efficiënter, energiebesparend en daarmee ook economisch verantwoord is.

Toepassingsgebied

Doorstroommedia

Drukluft, gassen, vloeistoffen en media met lage tot gemiddelde viscositeit dankzij een vrije doorlaat zonder omleiding. Gemakkelijk te reinigen



Cross Section Model SC

Swing Couplings SC

Plug Profiles

Full compatibility with most popular plug systems



SERIES A1

DN	TST	014, 022
	AMFLO	C38
	ARO	210
	Cejn	300
	Foster	210
	Parker	B53
	Rectus	14, 22
6 mm		
1/4"		

US: MIL-C-4109
ISO 6150-B-12



SERIES B1

DN	TST	023, 024
	Industrial Interchange	1/4"
	AMFLO	C20B
	Hansen	1000
	Foster	3003
	Parker	B23
	Cejn	310
6 mm		
1/4"		

ISO 6150-C-10



SERIES K

DN	TST	107, 06
	TST	018
	TST	SV - DN 6
	Rectus	18
	Cejn	291
6 mm		
1/4"		

Spanish Profile



SERIES N

DN	Imopac	CD25, -S, -N
6 mm		
1/4"		

British Profile



SERIES P

DN	TST	019
	PCL	AC21, AC29, AC91
6 mm		
1/4"		

European Profile



SERIES C

DN	TST	025, 026
	Cejn	320
	Rectus	25, 26
8 mm		
3/8"		

Japanese Profile



SERIES D

DN	TST	013
	Nitto	20, 30, 40
	Cejn	315
	Rectus	13
8 mm		
3/8"		

Japanese Profile



SERIES DL

DN	TST	013
	Nitto	20, 30, 40
	Cejn	315
	Rectus	13
8 mm		
3/8"		

Swing Couplings SC

Plug Profiles

Full compatibility with most popular plug systems



US: MIL-C-4109
ISO 6150-B-15



SERIES E

DN	TST	030
	Industrial Interchange	3/8"
	AMFLO	C26
	Cejn	430
	Hansen	440
	Foster	4404
	Rectus	30
8 mm		
3/8"		

ISO 6150-C-14



SERIES E1

DN	TST	107.08
	TST	SV - DN 8
8 mm		
3/8"		



SERIES M

DN	TST	095, 096
	Cejn	344, *342
	Rectus	95 KS, *96 KS
8 mm		
3/8"		

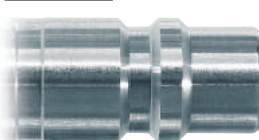
* Coupling only



SERIES J

DN	TST	040
	ARO	310
	Orion	44530
	Rectus	40
8 mm		
3/8"		

US: MIL-C-4109
ISO 6150-B-17



SERIES H

DN	TST	037
	Industrial Interchange	1/2"
	AMFLO	C10
	Hansen	520
	Foster	5205
	Parker	17
11 mm		
1/2"		

US: MIL-C-4109
ISO 6150-B-17



SERIES HB

DN	TST	037
	Industrial Interchange	1/2"
	AMFLO	C10
	Hansen	520
	Foster	5205
	Parker	17
11 mm		
1/2"		

ISO 6150-C-17



SERIES G

DN	TST	107.11
	TST	SV - DN 11
11 mm		
1/2"		

ISO 6150-C-27



SERIES I

DN	TST	107.19
	TST	SV - DN 19
19 mm		
3/4"		

Choice of Couplings and Seals

Simple and quick connection with no force or loss of pressure in the system

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Acetone	+				+
Acetylene	+		+		
Air	+		+		
Aircraft fuel JP3-6	+		+		
Ammonium nitrate		+			+
Amyl alcohol		+			+
Beer		+	+		
Blast furnace gas		+		+	
Borax		+		+	
Butane	+		+		
Butyl alcohol		+	+		
Butylene	+			+	
Caustic soda		+			+
Carbon disulphide		+		+	
Calcium hydroxide		+	+		
Citric acid		+	+		
Copper nitrate		+	+		
Coffee		+	+		
Compressed air	+		+		
Creosote		+	+		
Cresol		+		+	
Cyclohexane	+		+		
Diesel oil	+		+		
Distilled water		+	+		
Emulsion water-oil		+	+		
Essential oils	+			+	
Ethyl alcohol		+			+
Ethylene glycol	+		+		
Formalin		+	+		
Freon 13, 14, 32, 113	+		+		
Freon 114, 115, 142, 152	+		+		
Gear oil	+		+		
Glucose		+	+		

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Glycerine	+		+		
Heating oil	+		+		
Helium	+		+		
Heptane	+		+		
Hydrogen	+		+		
Hydraulic mineral oil	+		+		
Ink		+	+		
Isopropyl alcohol	+			+	
Kerosene	+		+		
Linseed oil	+		+		
Liquid ammonia		+			+
Lubricating oil	+		+		
Magnesium hydroxide		+		+	
Machine oil	+		+		
Methane	+			+	
Methanol	+		+		
Milk		+	+		
Mineral oil	+		+		
Mercury	+		+		
Naphthalene	+			+	
Natural gas	+		+		
Nitrogen gas	+		+		
Oxalic acid		+		+	
Paraffin	+			+	
Petrol	+		+		
Petroleum	+		+		
Potassium hydroxide		+			+
Potassium sulphate		+	+		
Prussic acid		+		+	
Propane gas	+		+		
Phosphoric acid 10%		+		+	

Throughput media	Coupling		Seal		
	SC	SV 'R'	NBR	FPM	EPDM
Salicylic acid		+		+	
Sea water		+	+		
Sodium acetate		+			+
Sodium bicarbonate		+	+		
Sodium carbonate		+	+		
Sodium chloride		+	+		
Sodium sulphide		+	+		
Steam up to 200°		+			+
Sulphur dioxide		+			+
Sugar root juice		+	+		
Tar	+			+	
Tetrachloromethane		+		+	
Titanium tetrachloride		+		+	
Toluene	+			+	
Transformer oil	+		+		
Trichloroethylene		+		+	
Turpentine	+		+		
Turbo oil	+		+		
Vacuum	+		+		
Vegetable oils		+	+		
Water up to 80°		+	+		
Water up to 140°		+			+
Wine		+	+		
Whisky		+	+		
Xylol		+		+	
Zeolite		+	+		
Zinc acetate		+			+
Zinc chloride		+	+		

Choice of couplings and seals according to throughput media

This information is not binding and is based on the recommendations as made by the manufacturers of the seals.

The abbreviations mean:

SC = Couplings SC
SV 'R' = Couplings SV stainless steel
NBR = Nitrile elastomer
FPM = Fluorine elastomer
EPDM = Ethylene-propylene elastomer

Excellent Seal

Even small leaks can lead to big losses and they can also cause serious accidents.

It has been shown that in the case of compressed air, leaking couplings account for an energy loss of 8-15%.

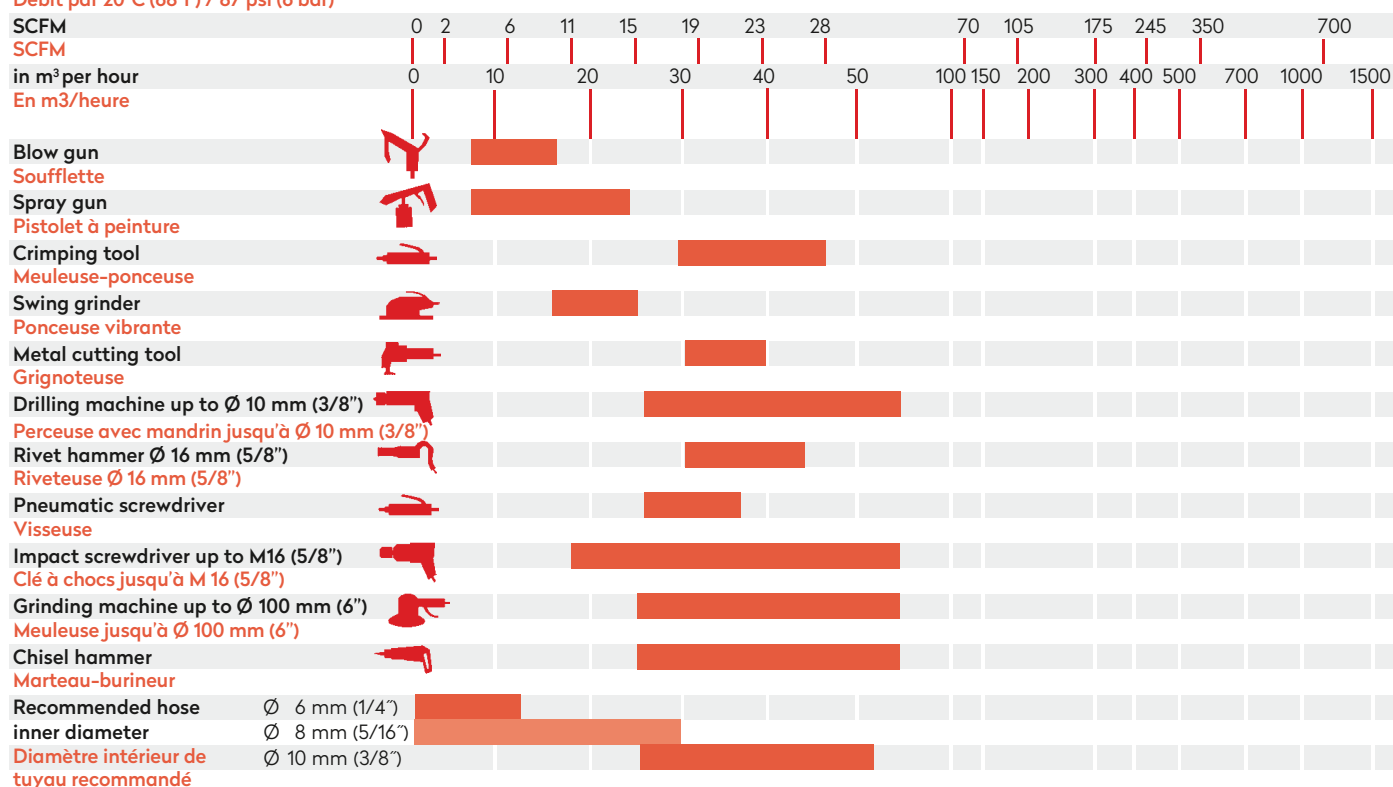
Air Consumption of Pneumatic Hand Tools



Applications for TST Couplings Series A1, B1, K, P, N DN6 / 1/4" Series C, D, E, E1, M, J DN8 / 3/8"

Flow rate at 68°F (20°C) and 87 psi (6 bar)

Débit par 20°C (68°F) / 87 psi (6 bar)



Applications for TST Couplings Series G, H, HB DN11 / 1/2" Serie I DN19 / 3/4"

