Swing Couplings SC

swing to connect
POWER COUPLINGS
tst tamsan

tst®
QUICK CONNECT

Connecting Technology
Swing Couplings SC

Contents

The TST Group Worldwide
Founded over 20 years ago, we now have a Production Facility that occupies over 10,000 sq m. Our broad range of products are designed, manufactured and constantly developed under the same roof, to meet the needs of our Worldwide Customers.

"tst" is fully integrated manufacturer of quick connect/disconnect couplings, for hydraulic, pneumatic, vacuum, gas, chemical fluid and water applications, in addition to multi couplers, fittings, hoses and accessories.

The latest technologies are utilized to Manufacture and Assembly our wide range of products to the required specifications to achieve Zero Defects and 100% Delivery Performance.

QUALITY
Our commitment to quality can be demonstrated by Customer Satisfaction Feedback and our continuous product and process development projects.

Statistical Process Control operations, performed by our operators ensure that our products meet the customers' requirements.

Latest methods and equipments are utilized to enable the vigorous testing of the New and Existing Range of Products.

Worldwide Connecting Technology Safe and of the Highest Quality

SUPPORT & SERVICE
The Engineering and Research Teams work in conjunction with the Customers and Customer Support Teams to seek the most suitable robust product for the application it is intended for at an affordable cost.
Around 80% of the manufacturing capacity is for standard products and the remainder is utilized, to cater for specialised needs of our customers, supported by our in-house design capabili

Our Customer Support Teams are in continuous communication with our customers to keep them up to date and to get feedback from our products.

Since 1997 our export sales has reached % 85 of our production and expanded to countries through out Europe and Worldwide.

Our Aim is to Exceed Customer Expectation.

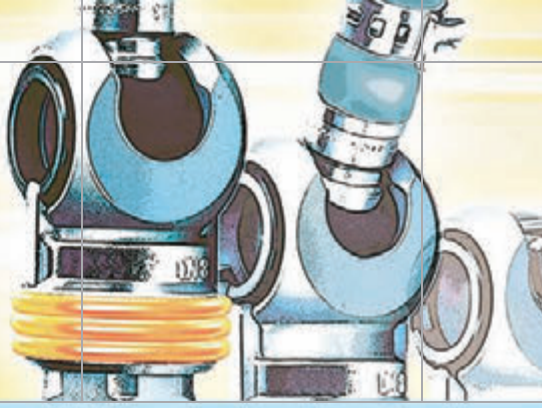
Selected Raw Materials

Future-Oriented Development

Practical Manufacturing Methods

High Quality Standards

Swing Couplings SC Product Chart



Safely swing to connect

With full flow. No force required or loss of pressure in the system.
Just a turn and the air vent ensures that the hose is ventilated – thus rendering it harmless.
TST Swing Couplings SC are available in nominal sizes DN6 to DN11 and in different models. They are compatible with most popular plug systems. The many different types and models and a wide choice of seals and lubricants mean that TST Couplings are suitable for numerous applications throughout industry.
Durability, reliability, simple and safe handling are features of all TST Swing Couplings.
TST Swing Couplings fulfill all the requirements of current quality standards and have also been awarded a type examination certificate from the Swiss Accident Insurance Institute SUVA.

Features
- In accordance with safety standard ISO 4414, EN 983
- Pressure always automatically off during the coupling process
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design
- Eco-design

DN6
1/4"

Swing Couplings SC Product Chart

The TST SC Series

DN8

3/8″

DN11

1/2″

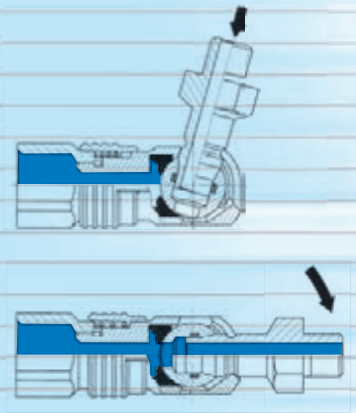
DN19

3/4″

Swing Couplings SC
Swing to Connect

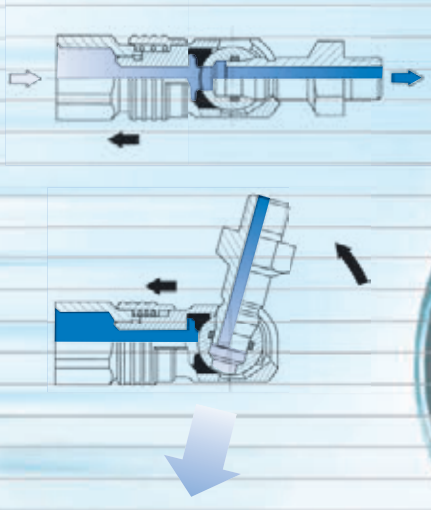
Simple and quick connection with no force or loss of pressure in the system

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



Full flow with no restrictions.

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

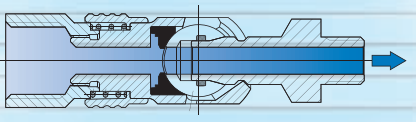


In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated.

Swing Couplings SC Full Flow

More efficient, low energy consumption and safe

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 methodf operation which is more efficient with low energy consumption, thus making it very economical.



Full flow
with negligible loss of pressure

Cross Section Model SC

Application

Throughput media

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

Pressure

Operating pressure up to 360 psi (25 bar) – connection and disconnection up to 200 psi (15 bar) – also suitable for technical vacuums up to approximately 3 inHg (100 mbar).

Temperature

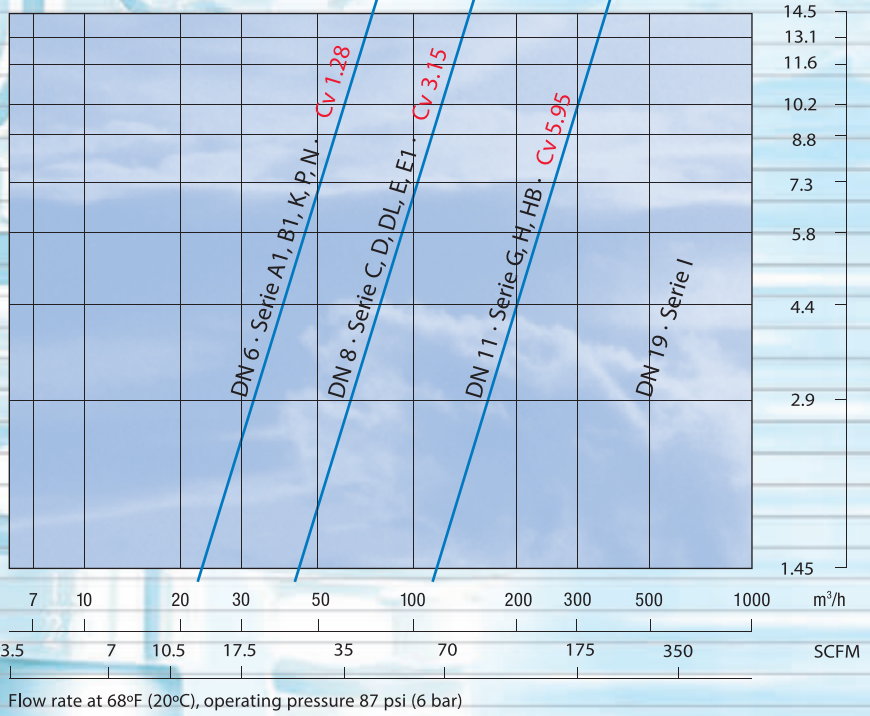
Standard model from -4°F to +212°F (-20° to +100°C). Higher temperatures possible depending upon media with the use of FPM or EPDM seals (see page 26).

Types and symbols

Coupling

Plug

SC Performance Graph for Air



Flow rate at 68°F (20°C), operating pressure 87 psi (6 bar)

Swing Couplings SC Compatibility

Full compatibility with most popular plug systems

Plug form 1:1	Nominal Bore DN	SC Series	Standards	Compatible with*		Information Page
	6 mm	Series A1		AMFLO	C38	10
	1/4″			ARO	210	
				Cejn	300	
				Foster	210	
				Parker	B53	
				Rectus	14, 22	
	6 mm	Series B1	Plug in accordance with:	Industrial Interchange	1/4″	11
	1/4″		ISO 6150-B-12	AMFLO	C20B	
			AFNOR: B-12 NF E 49-053	Hansen	1000	
			US: MIL-C-4109	Foster	3003	
				Parker	B23	
				Cejn	310	
	6 mm	Series K	Plug in accordance with:	TST	DN6	12
	1/4″		ISO 6150-C-10			
			AFNOR: C-10 NF E 49-053			
	6 mm	Series N		Imopac	CD25 ,-S ,-N	13
	1/4″					
	6 mm	Series P		PCL	AC21, AC29, AC91	14
	1/4″					
	8 mm	Series C		Cejn	320	15
	3/8″					
				Rectus	25, 26	

Swing Couplings SC Compatibility

Guide for determining the most suitable TST Swing Coupling SC

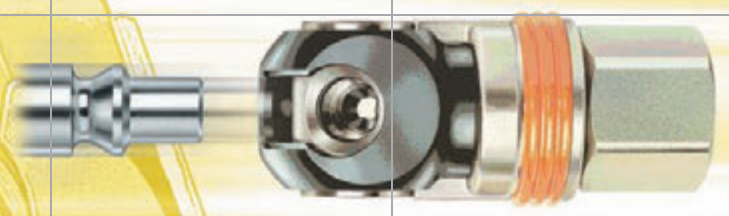
Plug form 1:1	Nominal Bore	SC Series	Standards	Compatible with*		Information Page
	8 mm 3/8″	SeriesD / DL		Nitto	20, 30, 40	16-17
	8 mm 3/8″	SeriesE	Plug in accordance with: ISO 6150-B -15 AFNOR: B-15 NF E 49-053 US: MIL-C-4109	Industrial Interchange AMFLO Cejn Hansen Foster Parker	3/8″ C26 430 440 4404 25F	18
	8 mm 3/8″	SeriesE1	Plug in accordance with: ISO 6150-C-14 AFNOR: C-14 NF E 49-053	TST	DN8	19
	8 mm 3/8″	SeriesM		Cejn Rectus	344, *342 95 KS, *96 KS *Coupling only	20
	11 mm 1/2″ 19 mm 3/4″	Series Serid	Plug in accordance with: ISO 6150-C-17 AFNOR: C-17 NF E 49-053 Plug in accordance with: ISO 6150-C-27 AFNOR: C-27 NF E 49-053	TST	DN11	21 24
	11 mm 1/2″	SeriesH / HB	Plug in accordance with: ISO 6150-B-17 AFNOR: B-17 NF E 49-053 US: MIL-C-4109	Industrial Interchange AMFLO Hansen Foster Parker	1/2″ C10 520 5205 17	22-23

* The list is not conclusive. Names and references are, in some instances, registered trademarks of other manufacturers.

tst SC Series A1

DN6

1/4″



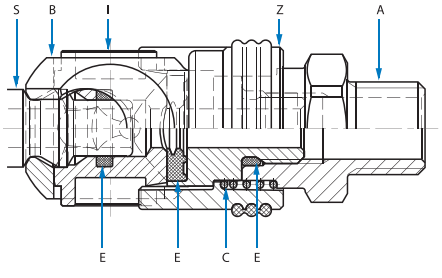
Original size

Features
- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg (100 mbar) to
360 psi (25bar), connection/disconnection to maximum 200 psi (15 bar)

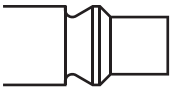
Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with

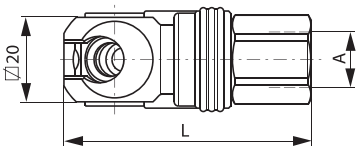
AMFLO	C38
ARO	210
Cejn	300
Foster	210
Parker	B53
Rectus	14, 22



See page 8.

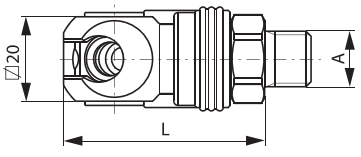
Swing Coupling

with female thread



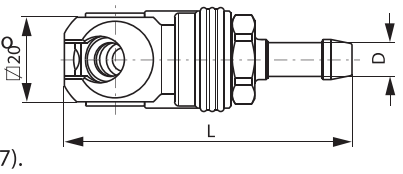
A	Part No.	L
G1/4	205 00 287	56.1
G3/8	205 00 288	57.6
G1/2	205 00 289	61.1
NPT1/4	205 00 291	56.1
NPT3/8	205 00 292	58.6
NPT1/2	205 00 293	64.6

with male thread



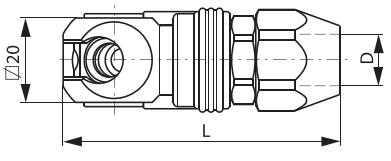
G1/4	205 00 294	47.6
G3/8	205 00 295	47.6
G1/2	205 00 296	48.6
NPT1/4	205 00 297	48.8
NPT3/8	205 00 298	48.8
NPT1/2	205 00 299	48.6

with hose stem



D		Part No.	L
6 mm	1/4″	205 00 300	68.1
8 mm	5/16″	205 00 301	68.1
10 mm	3/8″	205 00 302	68.1

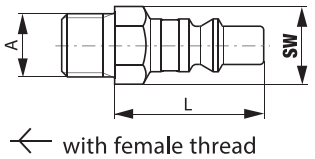
with PUR compression fitting



6.5 x 10	205 00 304	62.6
8 x 12	205 00 305	65.6

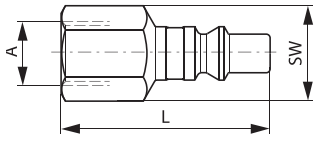
Plug

with male thread



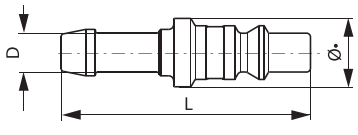
A	Part No.	L	SW
G1/8	255 00000	34.0	14
G1/4	255 00 001	31.0	14
NPT1/4	255 00 003	30.7	14
NPT3/8	255 00 066	32.7	19

with female thread

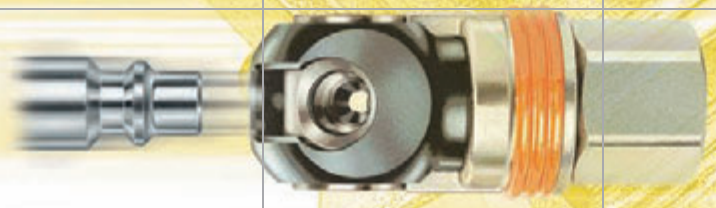


G1/4	255 00 005	43.0	17
NPT1/4	255 00 007	43.0	17
NPT3/8	255 00 068	45.0	19

with hose stem



D		Part No.	L	Ø
6 mm	1/4″	255 00 008	51.0	14
8 mm	5/16″	255 00 009	51.0	14
10 mm	3/8″	255 00 010	51.0	14



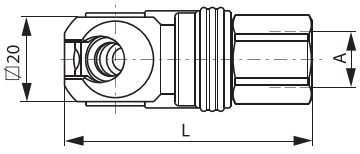
Original size

tst SC Series B1

DN 6 1/4″

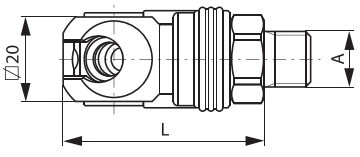
Swing Coupling

with female thread



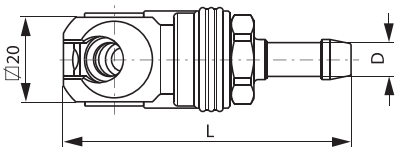
A	Part No.	L
G1/4	205 00 307	56.1
G3/8	205 00 308	57.6
G1/2	205 00 309	61.1
NPT1/4	205 00 311	56.1
NPT3/8	205 00 312	58.6
NPT1/2	205 00 313	64.6

with male thread



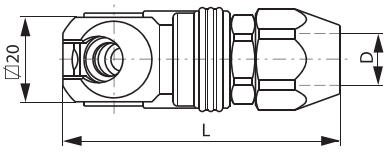
G1/4	205 00 314	47.6
G3/8	205 00 315	47.6
G1/2	205 00 316	48.6
NPT1/4	205 00 317	48.8
NPT3/8	205 00 318	48.8
NPT1/2	205 00 319	48.6

with hose stem



D		Part No.	L
6 mm	1/4″	205 00 320	68.1
8 mm	5/16″	205 00 321	68.1
10 mm	3/8″	205 00 322	68.1

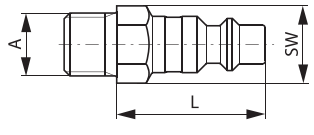
with PUR compression fitting



6.5x10	205 00 324	62.6
8x12	205 00 325	65.6

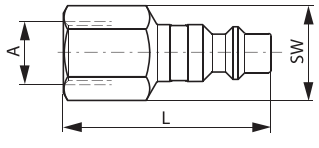
Plug

with male thread



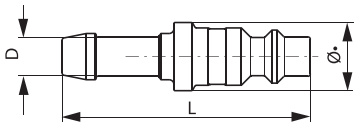
A	Part No.	L	SW
G1/8	255 00011	34.0	14
G1/4	255 00 012	31.0	14
NPT1/4	255 00 014	30.7	14
NPT3/8	255 00 069	32.7	19

with female thread



G1/4	255 00 016	43.0	17
NPT1/4	255 00 018	43.0	17
NPT3/8	255 00 274	45.0	19

with hose stem



D		Part No.	L	Ø
6 mm	1/4″	255 00 019	51.0	14
8 mm	5/16″	255 00 020	51.0	14
10 mm	3/8″	255 00 021	51.0	14

Features

- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-B-12, AFNOR: B-12 NF E 49-053 and US: MIL-C-4109
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range

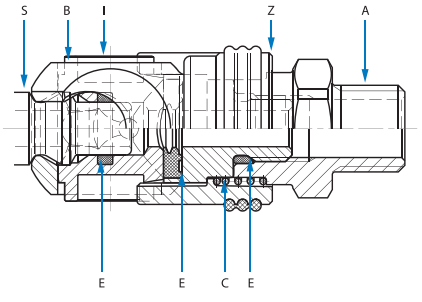
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure

3 inHg (100 mbar) to 360 psi (25 bar), connection/disconnection to maximum 200 psi (15 bar)

Materials, Seals

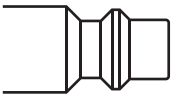
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with

Industrial Interchange	1/4″
AMFLO	C20B
Hansen	1000
Foster	3003
Parker	B23
Cejn	310



See page 8.

tst SC Series K

DN6

1/4″

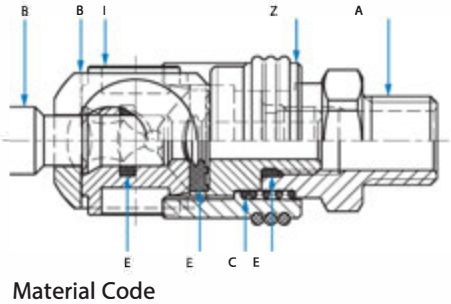
Original size

Features
- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-10 and AFNOR: C-10 NF E 49-053
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

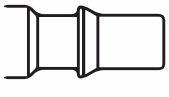
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
Z = Zinc diecast, nickel plated, orange plastic coating

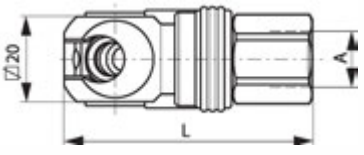
Compatible with
TST DN6



See page 8.

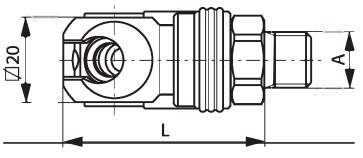
Swing Coupling

with female thread



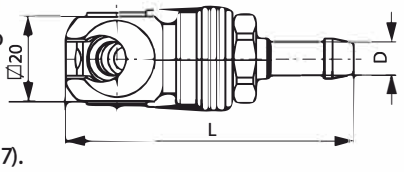
A	Part No.	L
G1/4	205 00 156	56.1
G3/8	205 00 157	57.6
G1/2	205 00 158	61.1
NPT1/4	205 00 160	56.1
NPT3/8	205 00 161	58.6
NPT1/2	205 00 162	64.6

with male thread



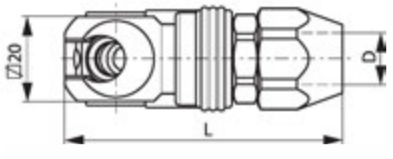
G1/4	205 00 163	47.6
G3/8	205 00 164	47.6
G1/2	205 00 165	48.6
NPT1/4	205 00 166	48.8
NPT3/8	205 00 167	48.8
NPT1/2	205 00 168	48.6

with hose stem



D		Part No.	L
6 mm	1/4″	205 00 169	68.1
8 mm	5/16″	205 00 170	68.1
10 mm	3/8″	205 00 171	68.1

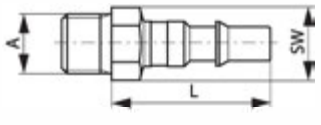
with PUR compression fitting



6.5x10	205 00 276	62.6
8x12	205 00 277	65.6

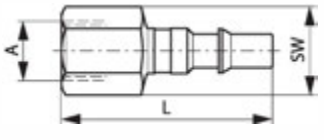
Plug

with male thread



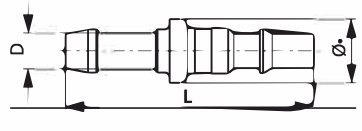
A	Part No.	L	SW
G1/8	255 00 093	38.0	14
G1/4	255 00 091	35.0	14
G3/8	255 00 092	38.0	17
NPT1/4	255 00 112	35.7	14
NPT3/8	255 00 117	38.7	17

with female thread



G1/8	255 00 100	46.0	14
G1/4	255 00 088	47.0	17
NPT1/4	255 00 119	48.0	17

with hose stem



D		Part No.	L	Ø
6 mm	1/4″	255 00 113	55.0	14
8 mm	5/16″	255 00 114	55.0	14
10 mm	3/8″	255 00 115	55.0	14
13 mm	1/2″	255 00 116	55.0	16

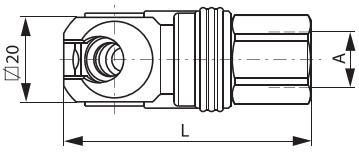
Original size

tst SC Series N

DN6 1/4″

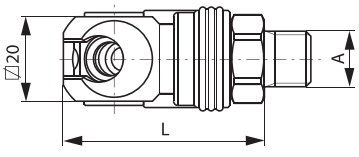
Swing Coupling

with female thread



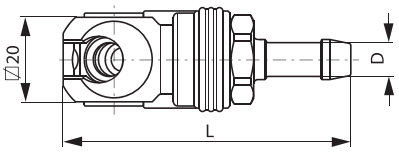
A	Part No.	L
G1/4	205 00 726	56.1
G3/8	205 00 727	57.6
G1/2	205 00 728	61.1

with male thread



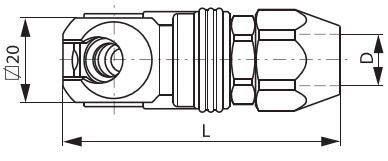
G1/4	205 00 729	47.6
G3/8	205 00 730	47.6
G1/2	205 00 731	48.6

with hose stem



D		Part No.	L
6 mm	1/4″	205 00 732	68.1
8 mm	5/16″	205 00 733	68.1
10 mm	3/8″	205 **0** 734	68.1

with PUR compression fitting



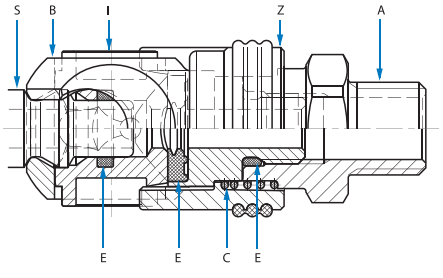
6.5 x 10	205 00 735	62.6
8 x 12	205 00 736	65.6

Features
- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

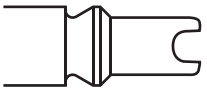
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with
Imopac — CD25 ,-S ,-N



See page 8.

tst SC Series P

DN6

1/4″

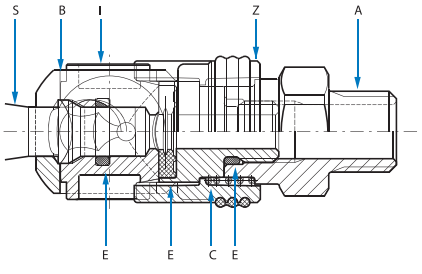
Original size

Features
- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

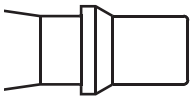
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

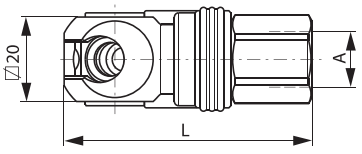
Compatible with
PCL AC21, AC29, AC91



See page 8.

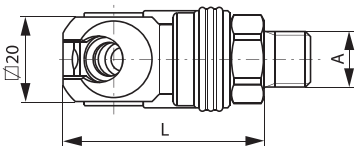
Swing Coupling

with female thread



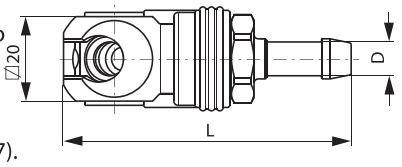
A	Part No.	L
G1/4	205 00 438	56.1
G3/8	205 00 439	57.6
G1/2	205 00 440	61.1

with male thread



G1/4	205 00 434	47.6
G3/8	205 00 441	47.6
G1/2	205 00 442	48.6

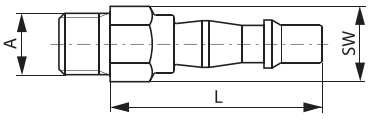
with hose stem



D		Part No.	L
6 mm	1/4″	205 00 443	68.1
8 mm	5/16″	205 00 444	68.1
10 mm	3/8″	205 00 445	68.1

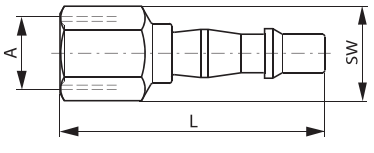
Plug

with male thread



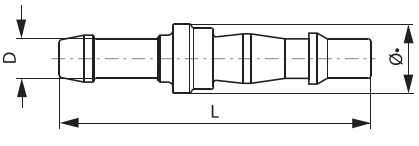
A	Part No.	L	SW
G1/4	255 00 320	43.0	14
G3/8	255 00 321	45.5	17

with female thread



G1/4	255 00 318	55.0	17
G3/8	255 00319	57.5	19

with hose stem



D		Part No.	L	Ø
6 mm	1/4″	255 00 322	63.0	14
8 mm	5/16″	255 00 323	63.0	14
10 mm	3/8″	255 00 324	63.0	14

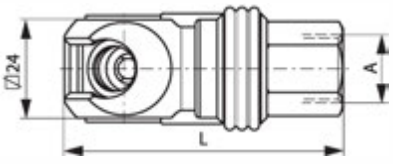
Original size

tst SC Series C

DN8 3/8″

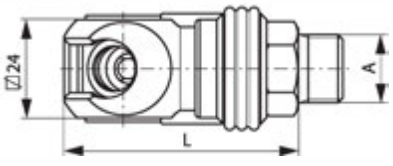
Swing Coupling

with female thread



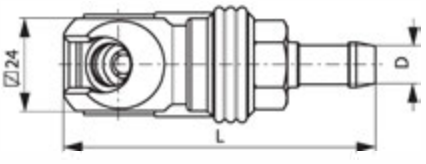
A	Part No.	L
G1/4	205 00 345	68.5
G3/8	205 00 346	68.5
G1/2	205 00 347	69.5
NPT1/4	205 00 348	68.5
NPT3/8	205 00 349	68.5
NPT1/2	205 00 350	73.5

with male thread



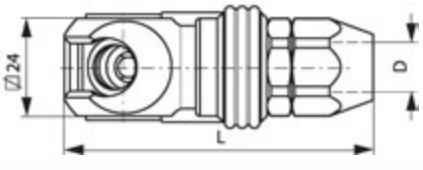
G1/4	205 00 351	57.5
G3/8	205 00 352	57.5
G1/2	205 00 353	58.5
NPT1/4	205 00 375	56.2
NPT3/8	205 00 354	56.2
NPT1/2	205 00 355	58.5

with hose stem



D		Part No.	L
8 mm	5/16″	205 00 356	81.5
10 mm	3/8″	205 00 357	81.5
13 mm	1/2″	205 00 358	81.5

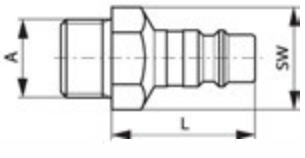
with PUR compression fitting



8x12	205 00 360	75.8
11x16	205 00 361	80.8

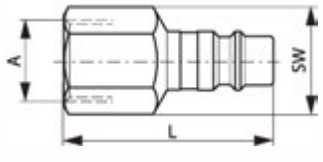
Plug

with male thread



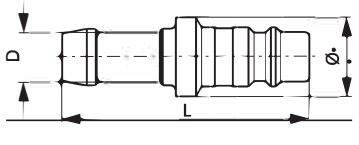
A	Part No.	L	SW
G1/4	255 00 023	31.0	14
G3/8	255 00 024	31.0	19
NPT1/4	255 00 275	28.7	14
NPT3/8	255 00 177	28.7	19

with female thread



G1/4	255 00 026	42.0	17
G3/8	255 00 027	43.0	19
NPT1/4	255 00 276	42.0	17
NPT3/8	255 00 178	43.0	19

with hose stem



D		Part No.	L	Ø
8 mm	5/16″	255 00 029	50.0	14
10 mm	3/8″	255 00 030	50.0	14
13 mm	1/2″	255 00 031	50.0	16

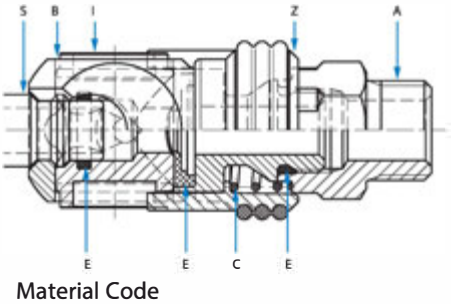
Features

- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg (100 mbar) to 360 psi (25 bar), connection/disconnection to maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
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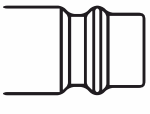
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with

Cejn	320
Rectus	25, 26

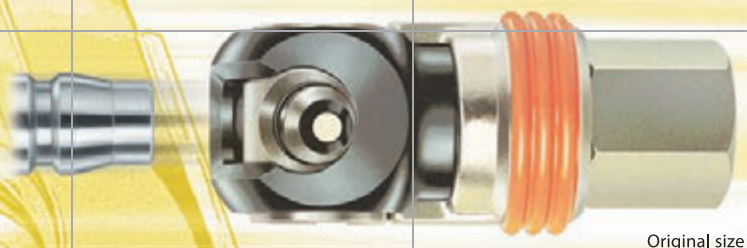


See page 8.

tst SC Series D

DN8

3/8″



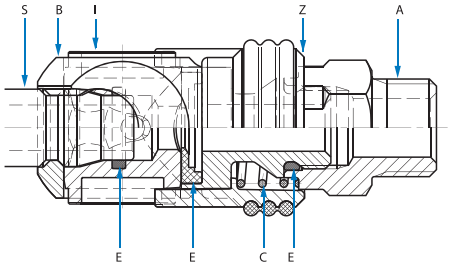
Original size

Features
- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

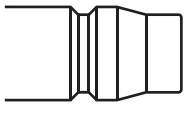
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

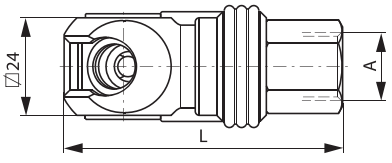
Compatible with
Nitto 20, 30, 40



See page 9.

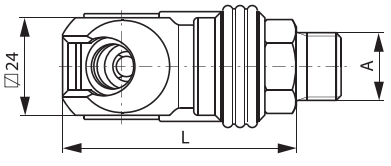
Swing Coupling

with female thread



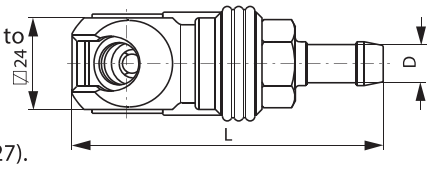
A	Part No.	L
G1/4	205 00 018	68.5
G3/8	205 00 019	68.5
G1/2	205 00 020	69.5
NPT1/4	205 00 034	68.5
NPT3/8	205 00 035	68.5
NPT1/2	205 00 036	73.5

with male thread



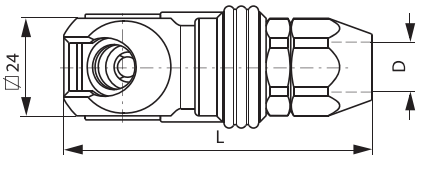
G1/4	205 00 053	57.5
G3/8	205 00 021	57.5
G1/2	205 00 022	58.5
NPT1/4	205 00 426	56.2
NPT3/8	205 00 037	56.2
NPT1/2	205 00 038	58.5

with hose stem



D		Part No.	L
8 mm	5/16″	205 00 054	81.5
10 mm	3/8″	205 00 055	81.5
13 mm	1/2″	205 00 056	81.5

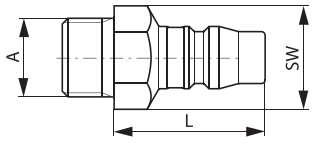
with PUR compression fitting



6.5x10	205 00 057	72.8
8x12	205 00 058	75.8
11x16	205 00 059	80.8

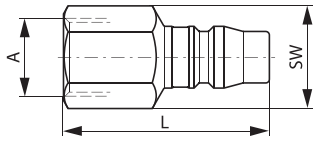
Plug

with male thread



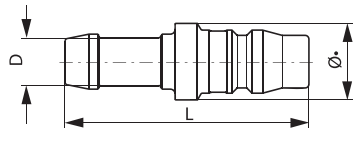
A	Part No.	L	SW
G1/4	25500 032	32.0	14
G3/8	255 00 033	32.0	19
G1/2	255 00 034	32.0	24
NPT1/4	255 00 058	28.7	14
NPT3/8	255 00 059	28.7	19
NPT1/2	255 00 060	33.0	24

with female thread

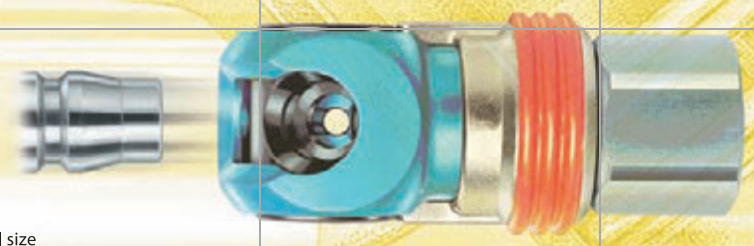


G1/4	255 00 035	43.0	17
G3/8	255 00 036	44.0	19
G1/2	255 00 037	48.5	27
NPT1/4	255 00 061	43.0	17
NPT3/8	255 00 062	44.0	19
NPT1/2	255 00 063	49.0	27

with hose stem



D		Part No.	L	Ø
8 mm	5/16″	255 00 038	51.0	14
10 mm	3/8″	255 00 039	51.0	14
13 mm	1/2″	255 00 040	51.0	16



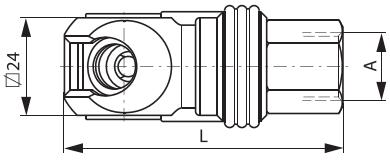
Original size

tst SC Series DL

DN 8 3/8″

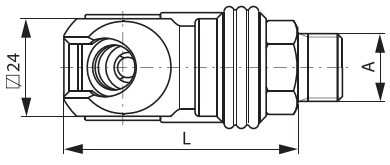
Swing Coupling

with female thread



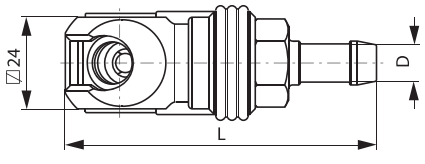
A	Part No.	L
G1/4	205 00 060	68.0
G3/8	205 00 061	68.0
G1/2	205 00 062	69.0
NPT1/4	205 00 072	68.0
NPT3/8	205 00 073	68.0
NPT1/2	205 00 074	73.0

with male thread



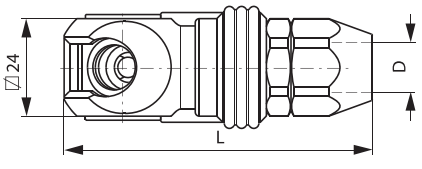
G1/4	205 00 063	57.0
G3/8	205 00 064	57.0
G1/2	205 00 065	58.0
NPT1/4	205 00 427	55.7
NPT3/8	205 00 075	55.7
NPT1/2	205 00 076	58.0

with hose stem



D		Part No.	L
8 mm	5/16″	205 00 077	81.0
10 mm	3/8″	205 00 078	81.0
13 mm	1/2″	205 00 079	81.0

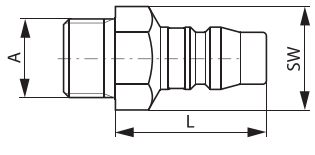
with PUR compression fitting



8x12	205 00 081	75.3
11x16	205 00 082	80.3

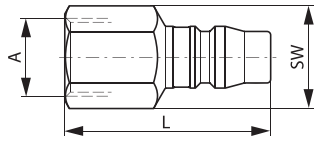
Plug

with male thread



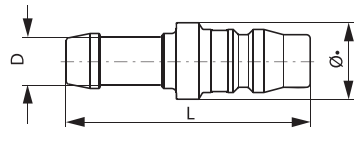
A	Part No.	L	SW
G1/4	255 00032	32.0	14
G3/8	255 00 033	32.0	19
G1/2	255 00 034	32.0	24
NPT1/4	255 00 058	28.7	14
NPT3/8	255 00 059	28.7	19
NPT1/2	255 00 060	33.0	24

with female thread



G1/4	255 00 035	43.0	17
G3/8	255 00 036	44.0	19
G1/2	255 00 037	48.5	27
NPT1/4	255 00 061	43.0	17
NPT3/8	255 00 062	44.0	19
NPT1/2	255 00 063	49.0	27

with hose stem



D		Part No.	L	Ø
8 mm	5/16″	255 00 038	51.0	14
10 mm	3/8″	255 00 039	51.0	14
13 mm	1/2″	255 00 040	51.0	16

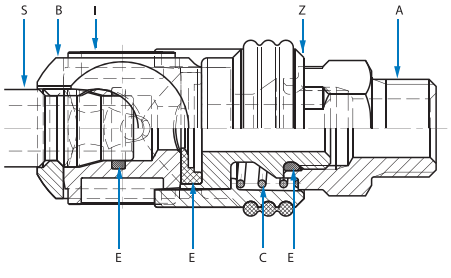
Features
- In accordance with safety standard ISO 4414, EN 983
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design
- Light weight 75 g

Not suitable for knocking, pulsating and vibrating compressed air tools

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

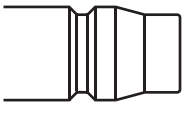
Operating Pressure
3 inHg (100 mbar) to 360 psi (25 bar), connection/disconnection to maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Aluminum
B = Aluminum
C = Aluminum
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

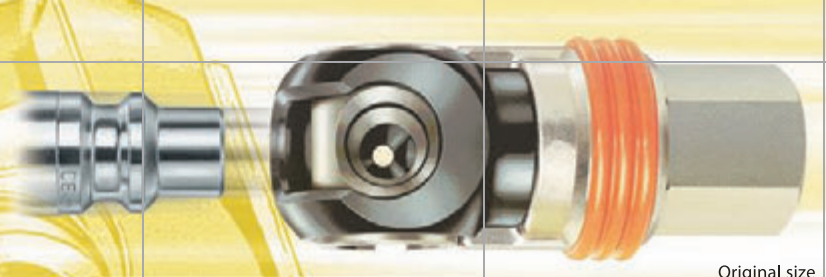
Compatible with
Nitto 20, 30, 40



See page 9.

tst SC Series E

DN8 3/8″



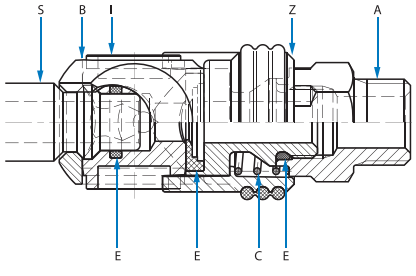
Original size

Features
- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-B-15, AFNOR: B-15 NF E 49-053 and US: MIL-C-4109
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

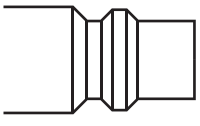
Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR))
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with

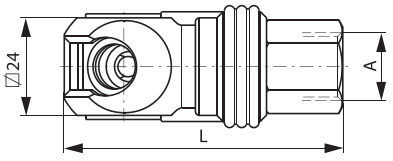
Industrial Interchange	3/8″
AMFLO	C26
Cejn	430
Hansen	440
Foster	4404
Parker	25F



See page 9.

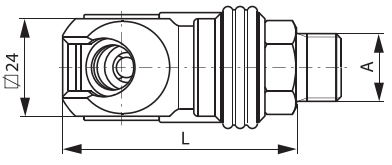
Swing Coupling

with female thread



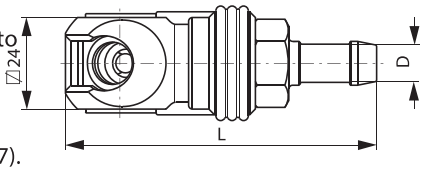
A	Part No.	L
G1/4	205 00 023	68.5
G3/8	205 00 024	68.5
G1/2	205 00 025	69.5
NPT1/4	205 00 052	68.5
NPT3/8	205 00 026	68.5
NPT1/2	205 00 027	73.5

with male thread



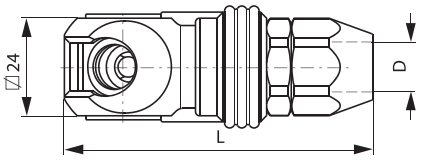
G1/4	205 00 028	57.5
G3/8	205 00 029	57.5
G1/2	205 00 045	58.5
NPT1/4	205 00 214	56.2
NPT3/8	205 00 030	56.2
NPT1/2	205 00 031	58.5

with hose stem



D		Part No.	L
8 mm	5/16″	205 00 083	81.5
10 mm	3/8″	205 00 084	81.5
13 mm	1/2″	205 00 085	81.5

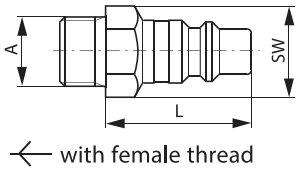
with PUR compression fitting



8x12	205 00 087	75.8
11x16	205 00 088	80.8

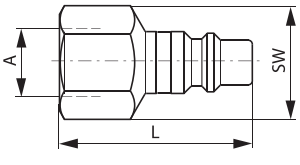
Plug

with male thread



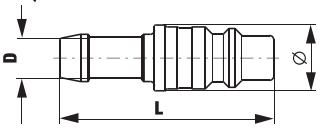
A	Part No.	L	SW
G1/4	255 00 041	35.0	17
G3/8	255 00 042	35.0	19
NPT1/4	255 00 236	31.7	17
NPT3/8	255 00 044	31.7	19
NPT1/2	255 00 045	36.0	24

with female thread



G1/4	255 00 046	46.0	17
G3/8	255 00 047	47.0	24
NPT1/4	255 00 237	46.0	17
NPT3/8	255 00 049	47.0	24
NPT1/2	255 00 050	52.0	27

with hose stem



D		Part No.	L	Ø
8 mm	5/16″	255 00 051	52.0	16
10 mm	3/8″	255 00 052	52.0	16
13 mm	1/2″	255 00 053	52.0	16

Original size

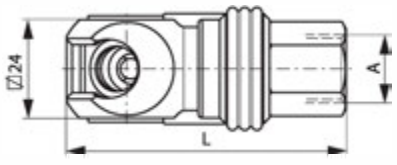
tst SC Series E1

DN8

3/8″

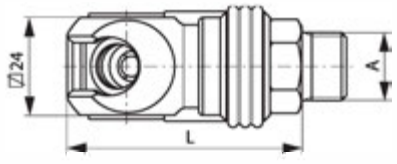
Swing Coupling

with female thread



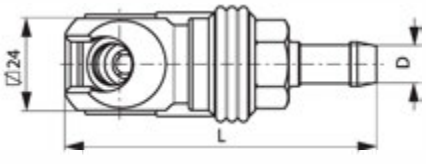
A	Part No.	L
G1/4	205 00 115	69.5
G3/8	205 00 116	69.5
G1/2	205 00 117	70.5
NPT1/4	205 00 118	69.5
NPT3/8	205 00 119	69.5
NPT1/2	205 00 120	74.5

with male thread



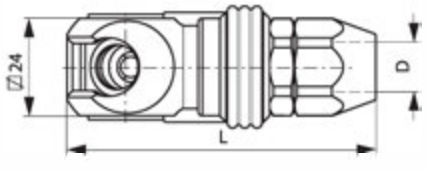
G1/4	205 00 121	58.5
G3/8	205 00 122	58.5
G1/2	205 00 123	59.5
NPT1/4	205 00 383	57.2
NPT3/8	205 00 124	57.2
NPT1/2	205 00 125	59.5

with hose stem



D		Part No.	L
8 mm	5/16″	205 00 126	82.5
10 mm	3/8″	205 00 127	82.5
13 mm	1/2″	205 00 128	82.5

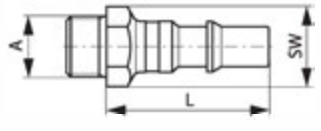
with PUR compression fitting



8x12	205 00 130	76.8
11x16	205 00 131	81.8

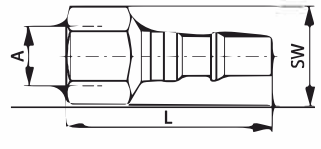
Plug

with male thread



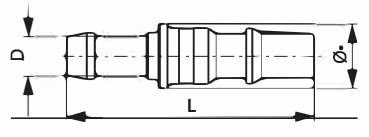
A	Part No.	L	SW
G1/4	255 00101	44.5	17
G3/8	255 00 102	44.5	19
NPT1/4	255 00 090	44.7	17
NPT3/8	255 00 089	44.7	19

with female thread



G1/4	255 00 103	55.5	17
G3/8	255 00 105	57.5	24
NPT1/4	255 00 104	56.5	17
NPT3/8	255 00 106	57.5	24

with hose stem



D		Part No.	L	Ø
8 mm	5/16″	255 00 107	62.0	14
10 mm	3/8″	255 00 108	62.0	14
13 mm	1/2″	255 00 109	62.0	16
16 mm	5/8″	255 00 110	63.0	22

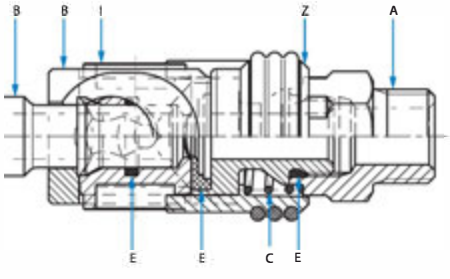
Features

- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-14 and AFNOR: C-14 NF E 49-053
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

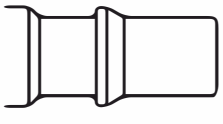
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to maximum 20 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated / aluminum
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
Z = Zinc diecast, nickel plated, orange plastic coating

Compatible with
TST DN8



See page 9.

tst SC Series M

DN8 3/8″

Original size

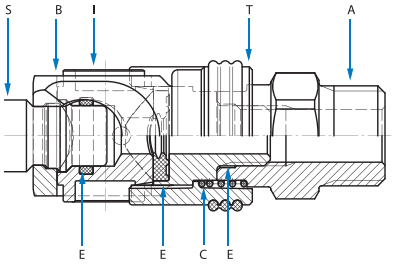
Features

- Coupling for breathing air apparatus
- BBG approved (German mining employer's liability insurance association)
- Plug according to EN 139 and EN 270
- Full flow, negligible loss of pressure
- Simple operation, no force required
- 1/4″ body size

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).

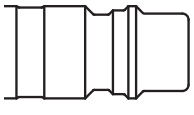


Material Code
A = Chrome plated
B = Chrome plated
C = Stainless steel, 1.4310
E = Nitrile elastomer (NBR))
I = Brass, chrome plated
S = Brass, chrome plated
T = Zinc diecast, nickel plated

Compatible with

Cejn	344, *342
Rectus	95 KS, *96 KS

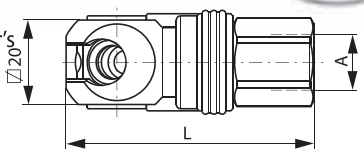
* Coupling only



See page 9.

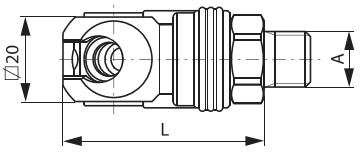
Swing Coupling

with female thread



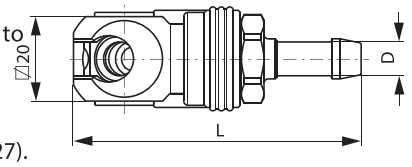
A	Part No.	L
G1/4	205 00 738	56.1
G3/8	205 00 691	57.6
NPT1/4	205 00 696	56.1
NPT3/8	205 00 697	58.6

with male thread



G1/4	205 00 739	47.6
G3/8	205 00 717	47.6
NPT1/4	205 00 740	48.8
NPT3/8	205 00 699	48.8

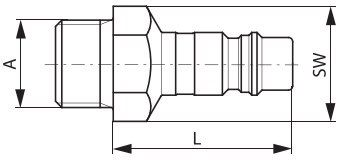
with hose stem



D		Part No.	L
6 mm	1/4″	205 00 741	68.1
8 mm	5/16″	205 00 671	68.1
10 mm	3/8″	205 00 698	68.1
13 mm	1/2″	205 00 742	68.1

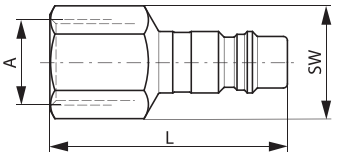
Plug

with male thread



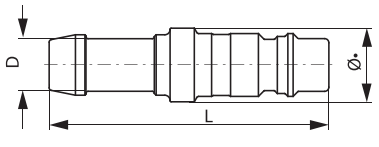
A	Part No.	L	SW
G1/4	255 00 420	34.2	14
G3/8	255 00 421	34.2	19
G1/2	255 00422	35.2	24
NPT1/4	255 00 433	31.9	14
NPT3/8	255 00 434	31.9	19

with female thread

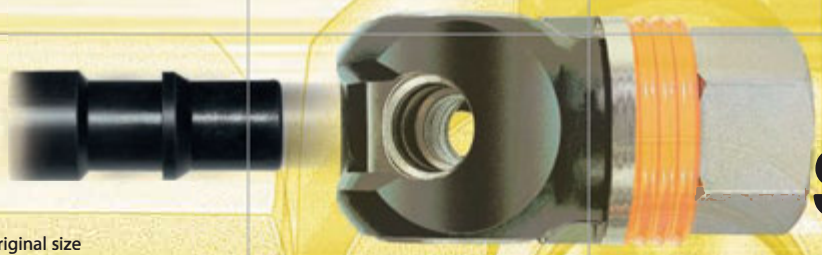


G1/4	255 00 423	45.2	17
G3/8	255 00 424	46.2	19
G1/2	255 00 425	51.2	27
NPT1/4	255 00 435	45.2	17
NPT3/8	255 00 430	46.2	19

with hose stem



D		Part No.	L	Ø
6 mm	1/4″	255 00 426	53.2	14
8 mm	5/16″	255 00 418	53.2	14
10 mm	3/8″	255 00 427	53.2	14
13 mm	1/2″	255 00 428	53.2	16

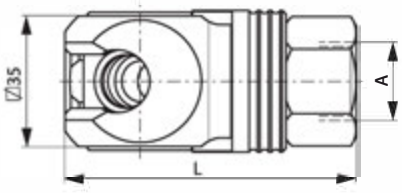


75% of original size

tst SC Series G DN11 1/2″

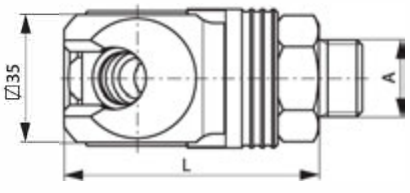
Swing Coupling

with female thread



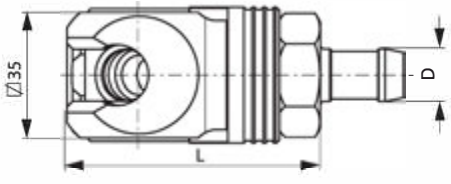
A	Part No.	L
G3/8	205 00 132	73.8
G1/2	205 00 133	77.8
G3/4	205 00 134	80.3
NPT3/8	205 00 138	78.8
NPT1/2	205 00 139	82.3
NPT3/4	205 00 140	83.3

with male thread



A	Part No.	L
G3/8	205 00 135	70.3
G1/2	205 00 136	70.3
G3/4	205 00 137	70.3
NPT3/8	205 00 141	70.3
NPT1/2	205 00 142	70.3
NPT3/4	205 00 143	70.3

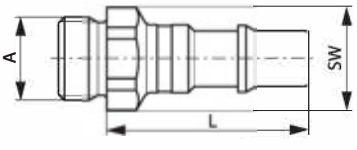
with hose stem



D		Part No.	L
13 mm	1/2″	205 00 737	93.3

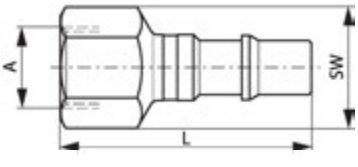
Plug

with male thread



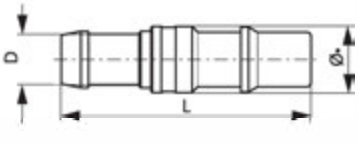
A	Part No.	L	SW
G3/8	255 00 131	51.0	24
G1/2	255 00 132	51.0	24
G3/4	255 00 133	51.0	27
NPT3/8	255 00 137	50.7	24
NPT1/2	255 00 138	50.0	24
NPT3/4	255 00 139	51.0	27

with female thread



A	Part No.	L	SW
G3/8	255 00 128	65.0	24
G1/2	255 00 129	65.0	27
G3/4	255 00 130	69.0	32
NPT3/8	255 00 134	65.0	24
NPT1/2	255 00 135	67.0	27
NPT3/4	255 00 136	69.0	32

with hose stem



D		Part No.	L	Ø
10 mm	3/8″	255 00 140	64.0	17
13 mm	1/2″	255 00 141	64.0	17
16 mm	5/8″	255 00 142	66.0	22

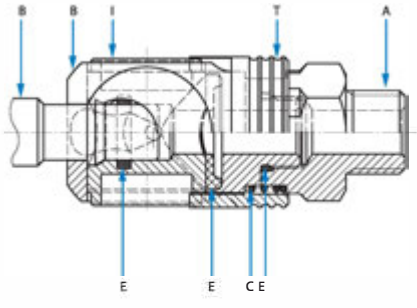
Features

- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-17 and AFNOR: C-17 NF E 49-053
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

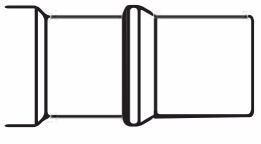
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials , Seals
Guide to selection and ordering (see page 27).



Material Code
A = Steel, nickel plated
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
T = Steel, nickel plated, orange painted

Compatible with
TST DN11

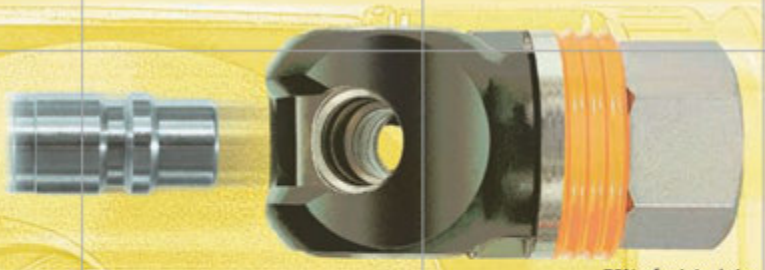


See page 9.

tst SC Series H

DN11

1/2″

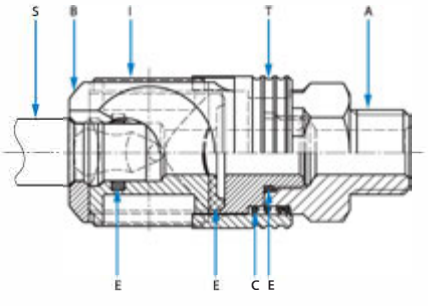


Features
- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-17, AFNOR: C-17 NF E 49-053, US: MIL-C-4109
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg(100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

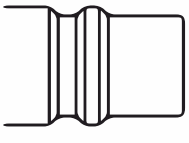
Materials, Seals
Guide to selection and ordering (see page 27):



Material Code
A = Steel, nickel plated
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
S = Surface hardened steel, galvanized
T = Steel, nickel plated, orange painted

Compatible with

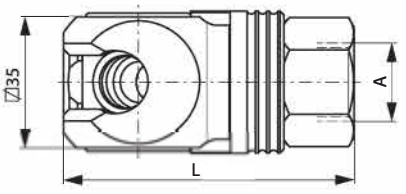
Industrial Interchange	1/2″
AMFLO	C10
Hansen	520
Foster	5205
Parker	17



See page 9.

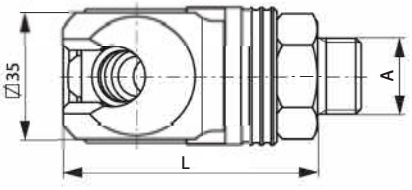
Swing Coupling

with female thread



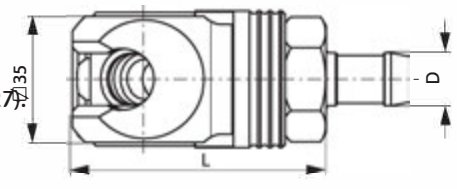
A	Part No.	L
G3/8	205 00 103	73.8
G1/2	205 00 104	77.8
G3/4	205 00 105	80.3
NPT3/8	205 00 109	78.8
NPT1/2	205 00 110	82.3
NPT3/4	205 00 111	83.3

with male thread



G3/8	205 00 106	70.3
G1/2	205 00 107	70.3
G3/4	205 00 108	70.3
NPT3/8	205 00 112	70.3
NPT1/2	205 00 113	70.3
NPT3/4	205 00 114	70.3

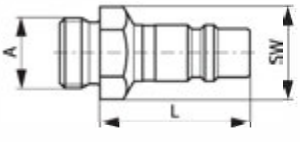
with hose stem



D		Part No.	L
13 mm	1/2″	205 00 712	93.3

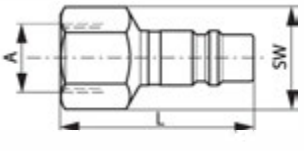
Plug

with male thread



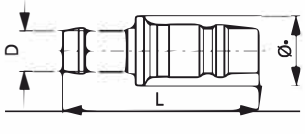
A	Part No.	L	SW
G3/8	255 00 074	45.0	19
G1/2	255 00 075	45.0	24
G3/4	255 00 290	45.0	27
NPT3/8	255 00 277	44.7	19
NPT1/2	255 00 278	44.0	24
NPT3/4	255 00 291	45.0	27

with female thread



G3/8	255 00 076	59.0	19
G1/2	255 00 077	59.0	27
G3/4	255 00 078	63.0	32
NPT3/8	255 00 279	59.0	19
NPT1/2	255 00 280	61.0	27
NPT3/4	255 00 292	63.0	32

with hose stem



D		Part No.	L	Ø
10 mm	3/8″	255 00 079	64.0	22
13 mm	1/2″	255 00 080	62.0	22
16 mm	5/8″	255 00 081	64.0	22

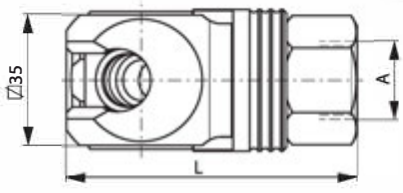
75% of original size

tst SC Series HB

DN11 1/2″

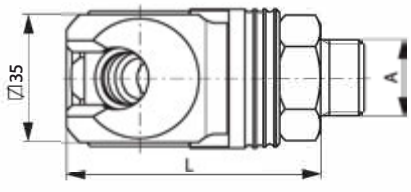
Swing Coupling

with female thread



A	Part No.	L
G1/2	205 00 685	83.3
G3/4	205 00 684	90.3
NPT1/2	205 00 687	83.3
NPT3/4	205 00 686	90.3

with male thread



G1/2	205 00 743	80.3
G3/4	205 00 744	80.3
NPT1/2	205 00 745	79.3
NPT3/4	205 00 746	79.3

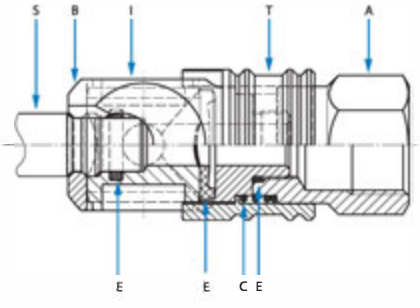
Features

- In accordance with ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-17, AFNOR: C-17 NF E 49-053, US: MIL-C-4109
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Easy grip release ring
- Corrosion and ozone proof
- Suitable for internal and external applications

Temperature Range
-15° to + 200°C (FPM)
+5° to + 392°F

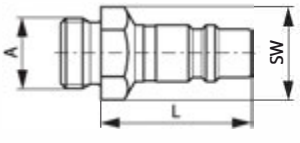
Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 200 psi (15 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



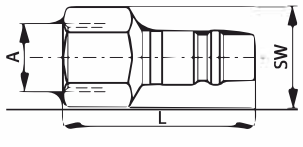
Plug

with male thread



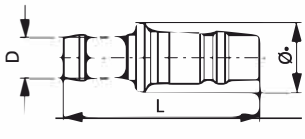
A	Part No.	L	SW
G3/8	355 00 250	45.0	19
G1/2	355 00 075	45.0	24
G3/4	355 00 327	45.0	27
NPT1/2	355 00 328	44.0	24
NPT3/4	355 00 253	45.0	27

with female thread



G3/8	355 00 076	59.0	19
G1/2	355 00 077	59.0	27
G3/4	355 00 078	63.0	32
NPT1/2	35500 255	61.0	27
NPT3/4	355 00 256	63.0	32

with hose stem

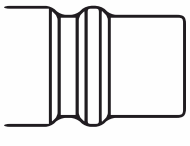


D		Part No.	L	Ø
10 mm	3/8″	355 00 079	64.0	22
13 mm	1/2″	355 00 080	62.0	22
16 mm	5/8″	355 00 081	64.0	22

Material Code
A = Brass, nickel plated
B = Brass, nickel plated
C = Stainless steel, 1.4310
E = FPM
I = Aluminum
S = Stainless steel, 1.4305
T = Brass, nickel plated

Compatible with

Industrial Interchange	1/2″
AMFLO	C10
Hansen	520
Foster	5205
Parker	17

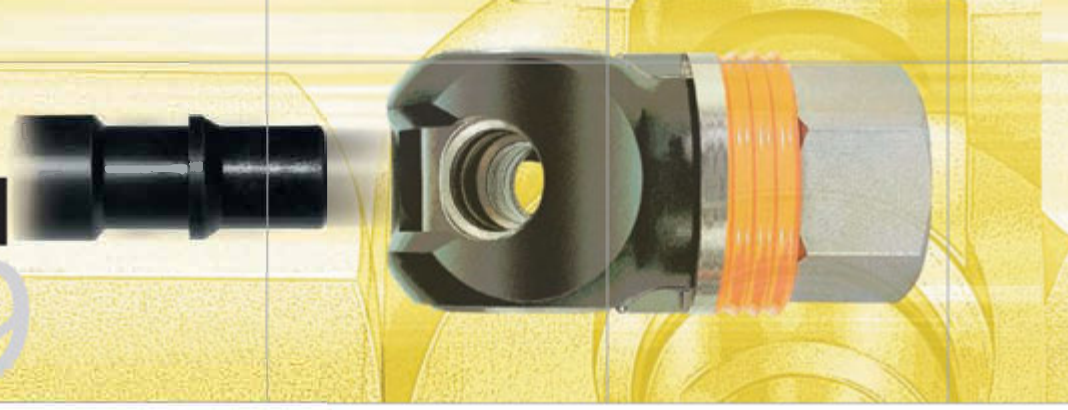


See page 9.

SC Series I

DN19

3/4"

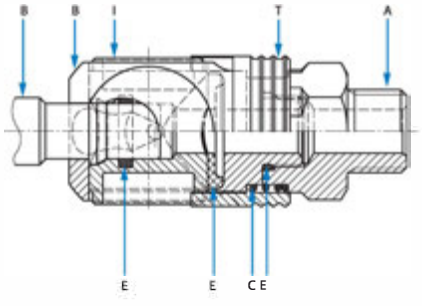


Features
- In accordance with safety standard ISO 4414, EN 983
- Plug in accordance with ISO 6150-C-27 and AFNOR: C-27 NF E 49-053
- Full flow, negligible loss of pressure
- Simple operation, no force required
- Compact design

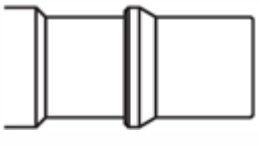
Temperature Range
-20° to + 100°C (NBR)
-4° to + 212°F

Operating Pressure
3 inHg (100 mbar) to
360 psi (25 bar), connection/disconnection to
maximum 170 psi (12 bar)

Materials, Seals
Guide to selection and ordering (see page 27).



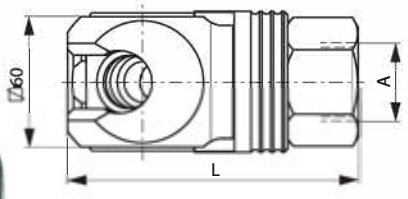
Material Code
A = Steel, nickel plated
B = Steel, tenifer treated
C = Stainless steel
E = Nitrile elastomer (NBR)
I = Surface hardened steel, nickel plated
T = Steel, nickel plated, orange painted



See page 9.

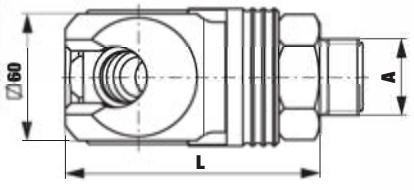
Swing Coupling

with female thread



A	Part No.	L
G3/4	205 00 144	116.0
G1	205 00 145	116.0
NPT3/4	205 00 148	118.0
NPT1	205 00 149	121.0

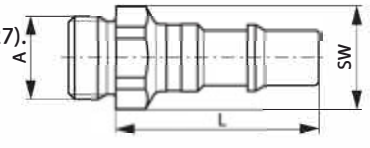
with male thread



G3/4	205 00 146	112.0
G1	205 00 147	112.0
NPT3/4	205 00 150	112.0
NPT1	205 00 151	112.0

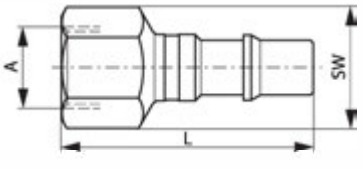
Plug

with male thread



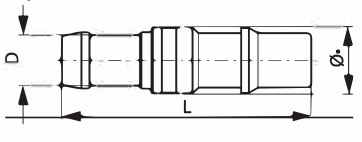
A	Part No.	L	SW
G3/4	255 00 082	81.0	36
G1	255 00 083	81.0	36

with female thread

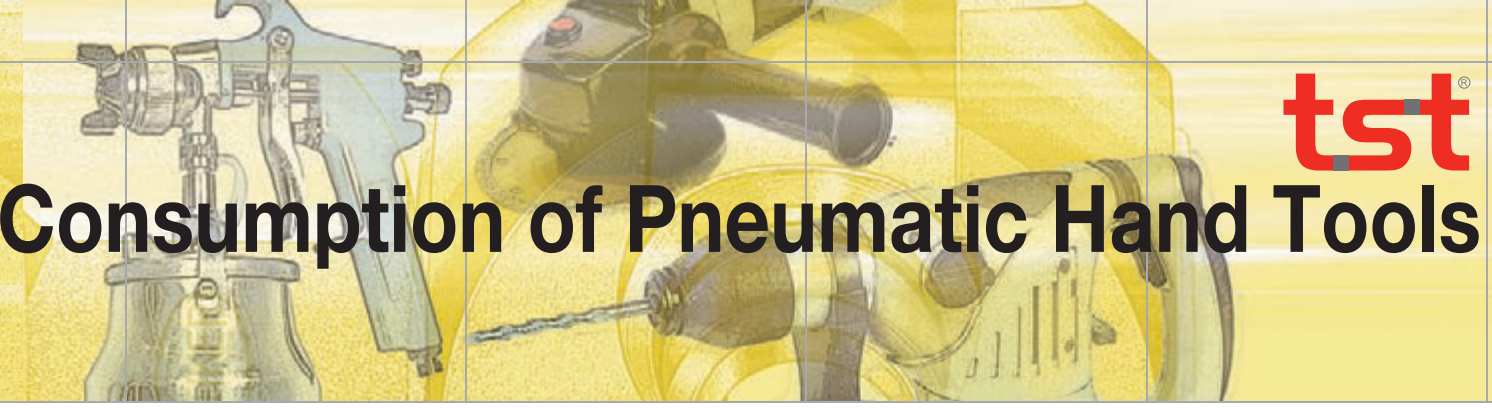


G3/4	255 00 084	89.0	36
G1	255 00 085	94.0	41

with hose stem



D	Part No.	L	Ø
LW19	255 00 086	105.0	32
LW25	255 00 087	111.0	32



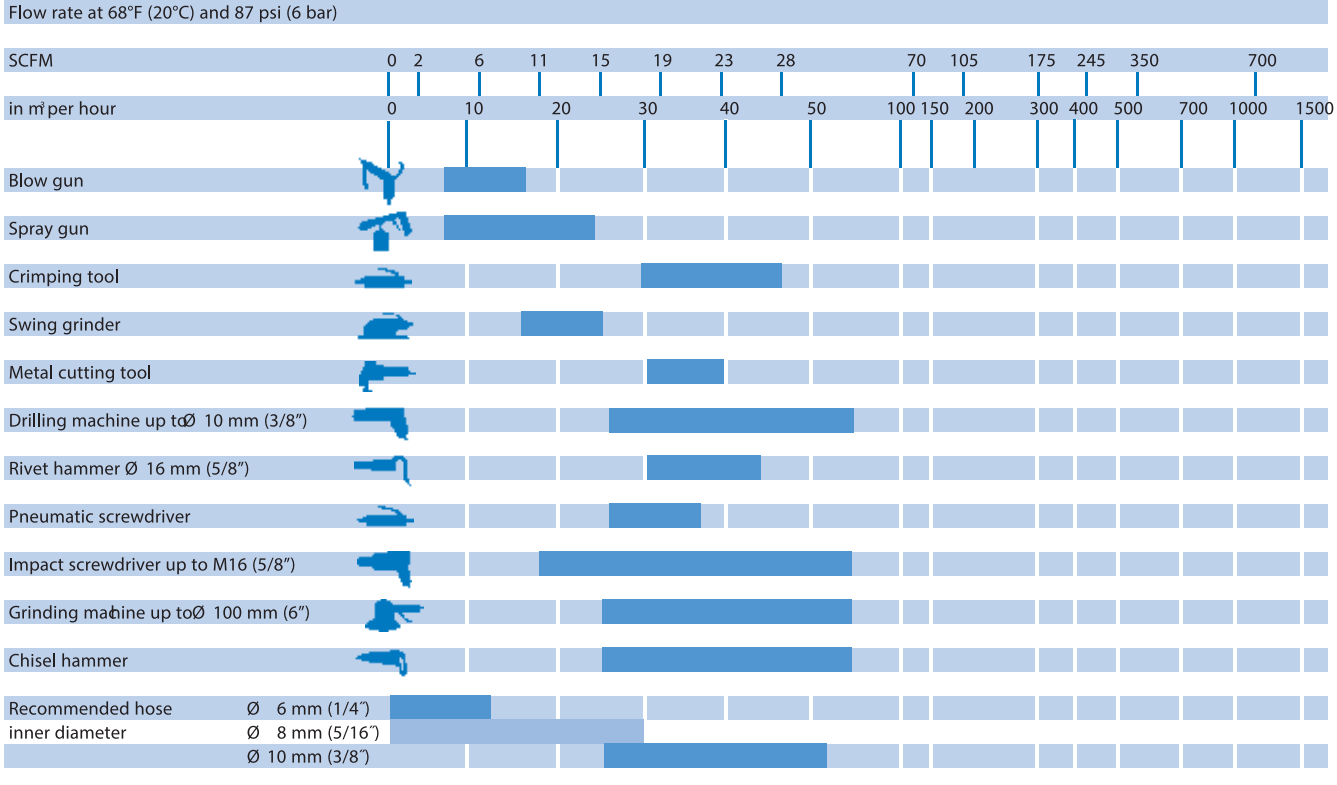
Consumption of Pneumatic Hand Tools

Excellent Seal

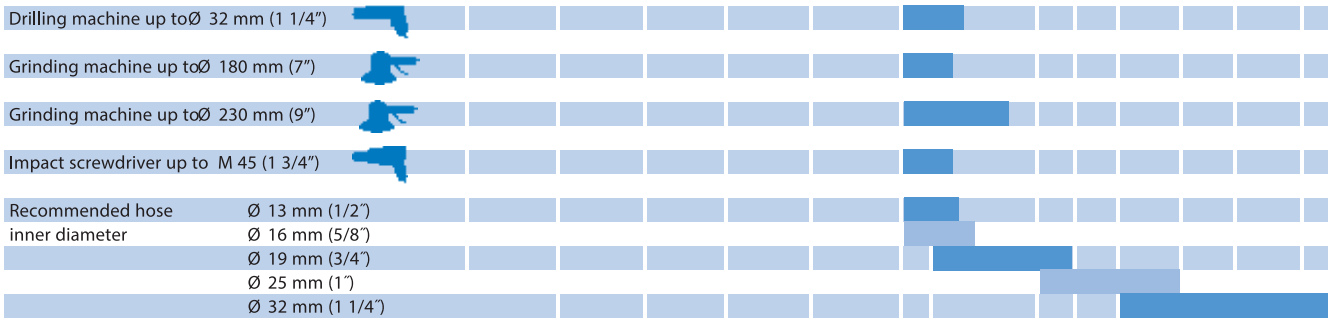
Even small leaks can lead to big losses and they can also cause serious accidents.

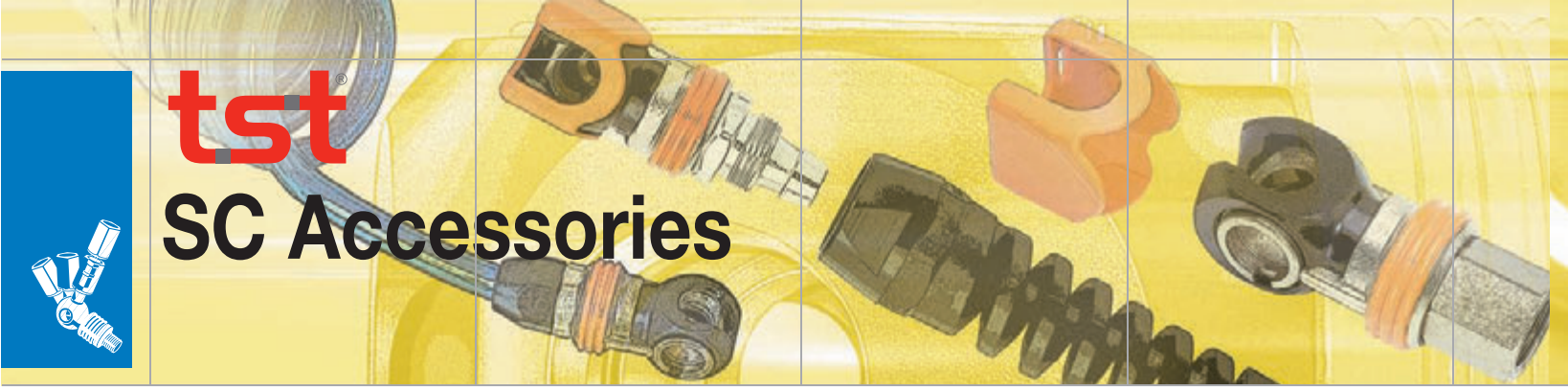
It has been shown that in the case of compressed air, leaking couplings account for an energy loss of 8-15%.

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



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





SC Accessories

Kink Prevention Spirals, Covers, Protective Covers

Kink Prevention Spirals for TST Swing Couplings SC

Prevents kinking of the hose in the area of the connection or attachment and allows for a neat, professional look. For TST Swing Couplings SC in nominal sizes DN6 and DN8, kink prevention spirals are supplied instead of the valve nuts which normally come with PUR connections.

Material
Unbreakable polyamide, black.

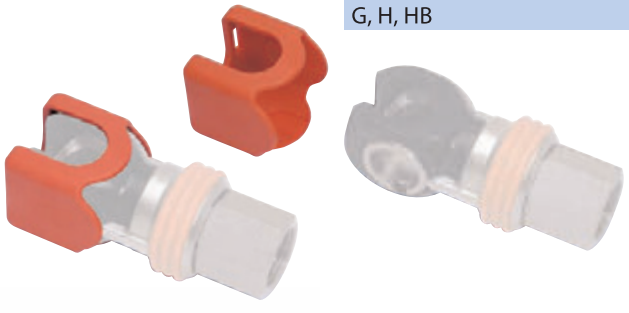
Suitable for hose	Part No.
PUR 8 x 12 mm	295 00 337
PUR 11 x 16 mm	295 00 401

Covers for TST Swing Couplings SC

The plastic cover is slipped over the housing of the TST Swing Coupling SC to protect the work piece, e.g. for work on car body parts, furniture, etc.

Material
Unbreakable polyamide, orange.

Suitable for series	Part No.
A1, B1, K, M, P, N	295 00 385
C, D, E, E1	295 00 340
G, H, HB	295 00 531



Protective Covers for TST Swing Couplings SC

Slides over airline coupling installation. Provides complete protective coverage of coupling and plug.

Material
Vinyl.

Further information about TST accessories is available upon request.

Suitable for series	Part No.
A1, B1, K, M, P, N	295 00 480
C, D, E, E1	295 00 481
G, H, HB	295 00 482

SC Materials and Seals

Guide to Selection and Ordering

Materials
TST Swing Couplings are manufactured from high quality materials. Additional special surface treatments guarantee greater durability with less weand tear and high resistance to corrosion.
The orange coating denotes safety – the plastic sleeve gives increased grip and protects the work piece from possible damage.
The cross section and material codes give details of the composition of each individual part.
In the case of air, gas and oil – as long as they are not mixed with any additives – TST Couplings made from standard materials will be suitable.
These details are not binding. Where there is any doubt, tests must be carried out.

Seals
The following quality seals are available for TST Couplings. Various seals can be used depending upon the throughput media. All details are not binding. Before use, please contact TST for information about the concentration, mixture or temperature of media. If there is any doubt, tests should be carried out. All legislation relating to foodstuffs must be observed.

Type N
Nitrile elastomer (NBR)
Good ageing resistance, high mechanical strength, resistant to oil and petrol, poor resistance against ozone.
Temperature from -4° to +212°F
(-20° to +100°C).

Type V
Fluorine elastomer (FPM)
Very good resistance at high temperatures (except for hot water and steam).
Good resistance to many chemicals, ozone, weather. Limited for low temperature range.
Temperature from +5° to +392°F
(-15° to+200°C).

Type P
Ethylene propylene elastomer (EPDM)
Very good resistance against hot water and steam, resistant to ageing and weather, not resistant to mineral oils and grease.
Temperature from -40° to +302°F
(-40° to +150°C).

Selection and Handling
Incorrect handling or the wrong choice of Swing Couplings or accessories can result in damage to property and/or personal injury.
The maximum operating pressure for each model as specified by the manufacturer must not be exceeded. The throughput medium is a critical factor in the choice of seal and coupling material. External mechanical impact and/or vibration will have an adverse effect on the durability of couplings and accessories and should therefore be avoided or, where this is not possible, limited.
TST recommends that couplings and accessories should be checked periodically for excessive wear and leaks.
TST Customer Service Department will be happy to give you further details about the use of TSTCouplings.
For more detailed information, please follow the operating instructions.

Note about Safety
ISO 6150 §7.1 recommends that a hose of at least 300 mm in length should be used between the coupling and a vibrating tool. Please also read the operating instructions which are supplied with the coupling.

Note about Ordering
If, instead of the standard version, a special seal is required, please specify this when ordering.

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The addresses of all TST companies and agencies are included on our website.

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