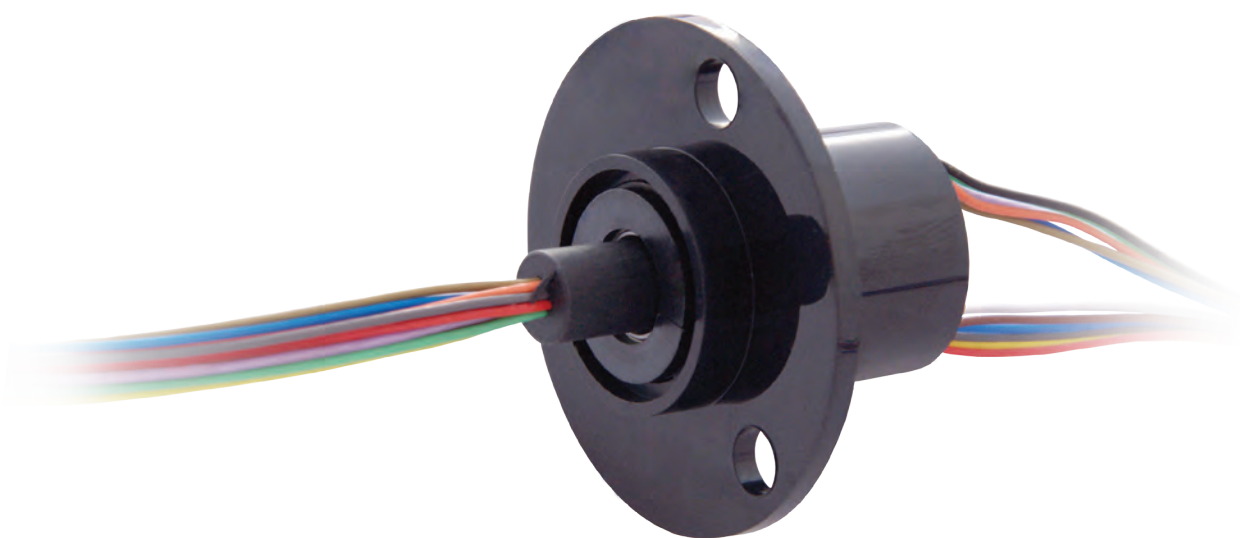


SVTS A Series

Capsule



OPTIMAL SIGNAL TRANSMISSION



COMPACT



HIGH CIRCUIT DENSITY

The capsule A Series Slip Rings, thanks to their reduced diameter, guarantees a low peripheral speed between rings and brushes, thus to reduce material consumption so as to enhance its lifetime and minimise electrical noise and interferences between rings.

This Series has been designed keeping signal transmission optimisation, compactness and reliability in mind.

Moreover, this Slip Ring family is available in a wide range of configurations, from 3 to 56 circuits. The gold-gold technology used for both rings and brushes, makes high data rate and high frequency signal transmission possible.

Benefits

Optimal signal transmission (gold-gold technology)

Compact

Light

Many customisations

High circuits density

Combinable with fluidic rotary joints and FORJ

Water resistant (IP65)*

Cost-effective

*Optional: SVTS A 03 only

1 2 3 4 5 6 7 8 9 10

SVTS A BB - C - D - EE / FF - GGGG / HHHH - II - XXX

2 Model **4** Flange types **6** Signal circuits **8** Cable length - rings side **10** Special options³

³ Ethernet 100BaseT [E1M]; Ethernet 1000BaseT [E1G]

Video systems	Wind turbines
Moving head projectors	
Packaging	
Hose & cable reels	
Control systems	
Medical / pharmaceutical	

Current	1A: continuous - 2A peak: AWG28 2A: AWG26 4A: AWG22 6A: AWG20 8A: AWG16
Voltage	240 V _{DC} / 240 V _{AC}
Cables	Silver plated / PTFE insulated / colour coded
Cables length	Standard: 250mm; custom cable length increase possible as multiples of 250mm
Dielectric strength	500 V _{AC} @ 60Hz @ 60 sec
Insulation resistance	> 500 MΩ / 500 V _{DC}
Dynamic contact resistance	< 10 mΩ
Nominal speed	250 rpm (higher speed, up to 600 rpm, upon request)
Bearings	Miniature high-precision stainless steel ball bearings
Housing	ABS (hard plastic); Alluminium (SVTS A04)
Contact	Gold-gold (alloy)
Temperature	-20°C to +80°C (-40°C as option)
Protection	IP51; IP65*
Expected lifetime	10 ⁷ revolutions (depending on speed, environmental conditions and size)

13

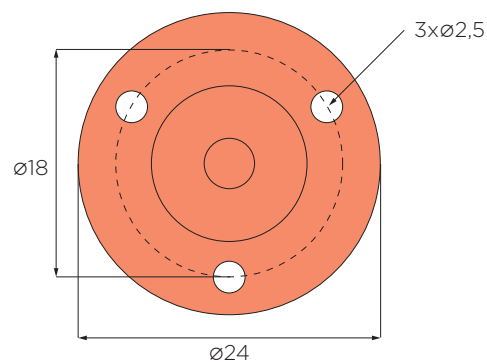
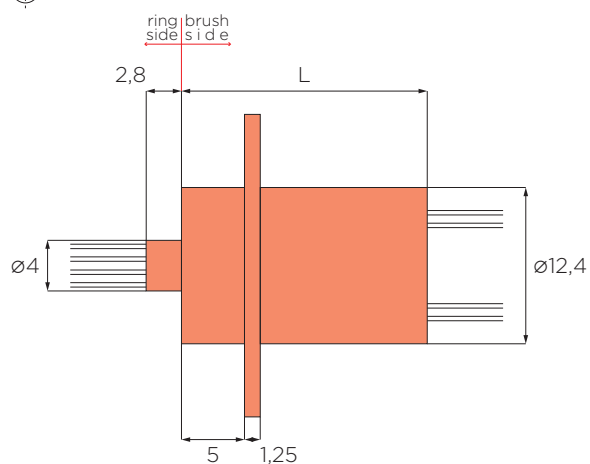
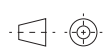
SVTS A 01

[illegible]

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Air
	Profinet	Oil
	Sercos	Water
	Powerlink	
	Ethernet	

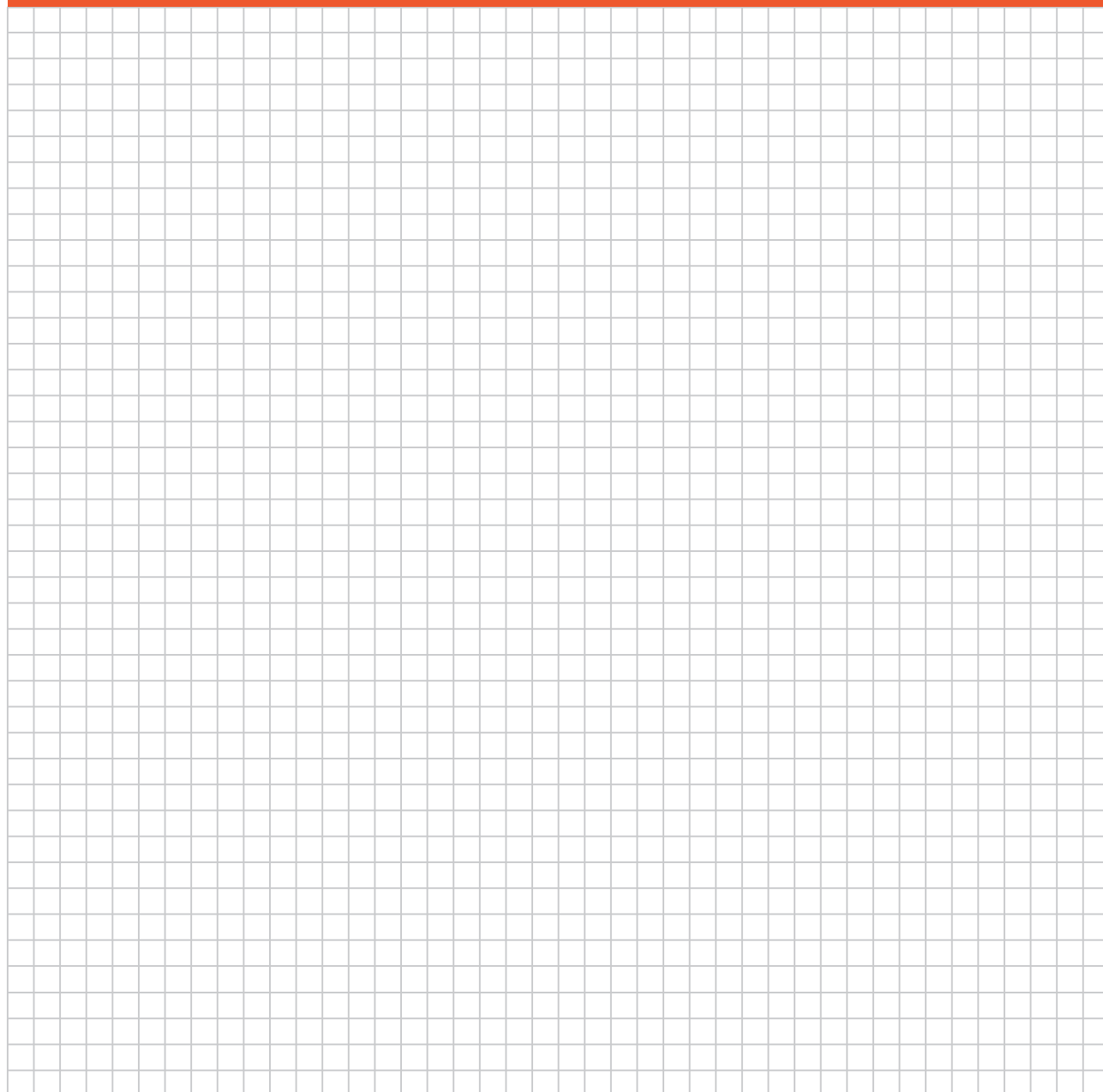
Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



SVTS A 01 ... A - Standard flange

Custom cable length increase possible as multiples of 250mm



All dimensions in millimeters, unless otherwise specified

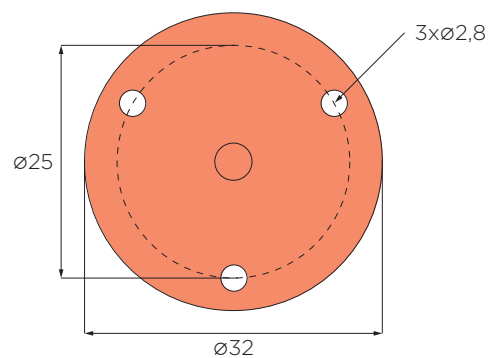
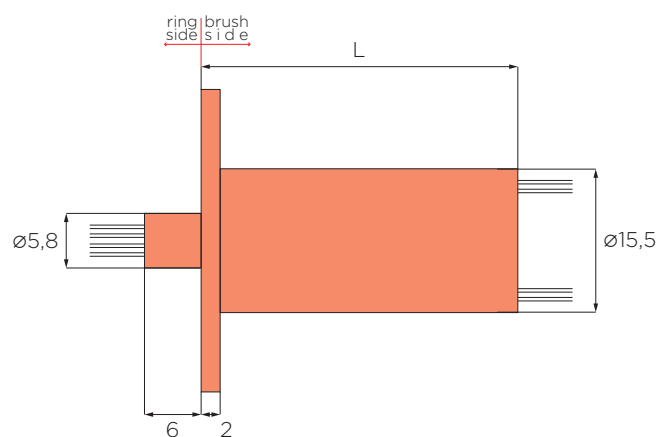
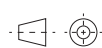
SVTS A 02

[illegible]

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	
	Profinet	
	Sercos	
	Powerlink	
	Ethernet	

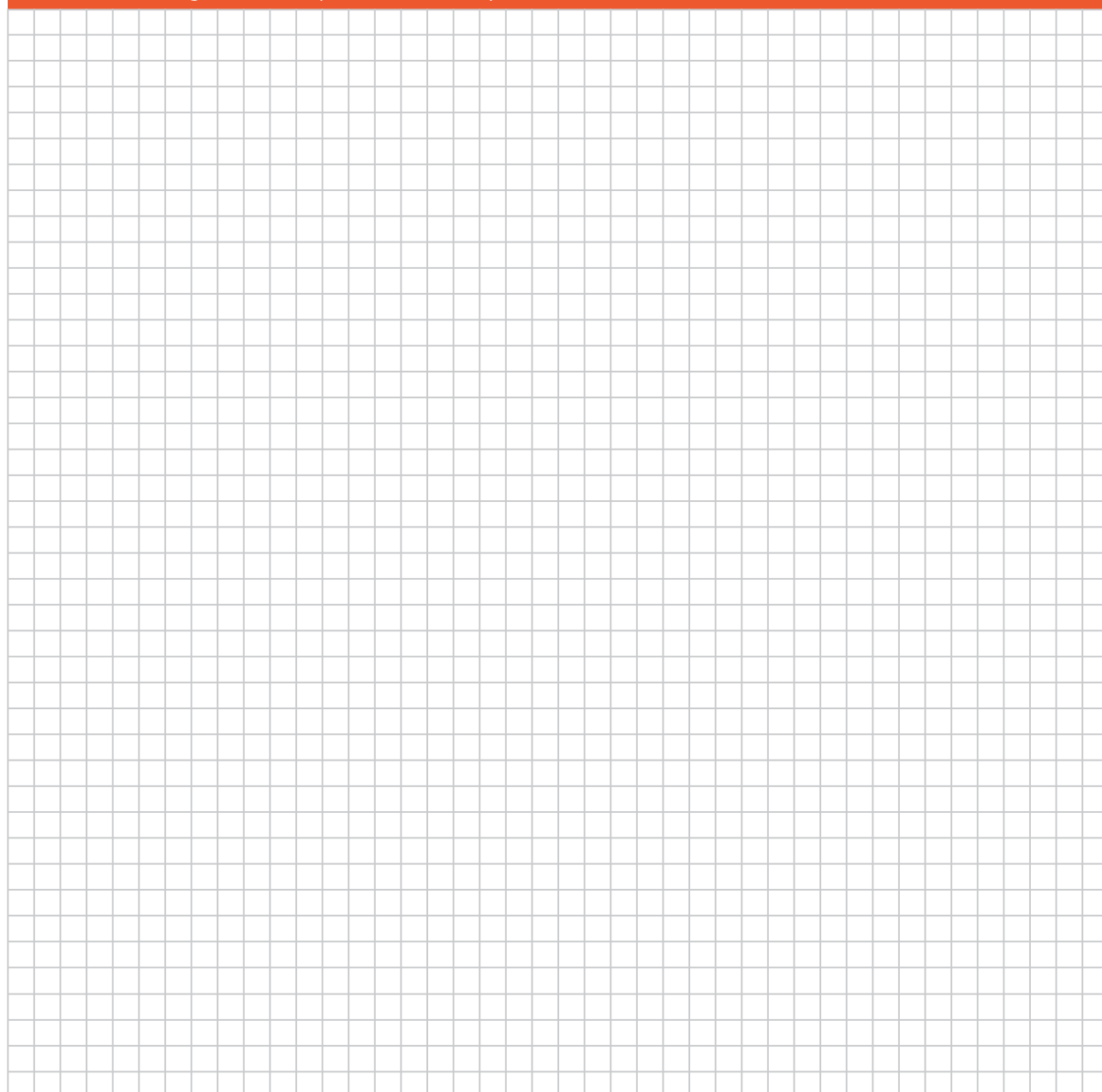
Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



SVTS A 02 ... A - Standard flange

Custom cable length increase possible as multiples of 250mm



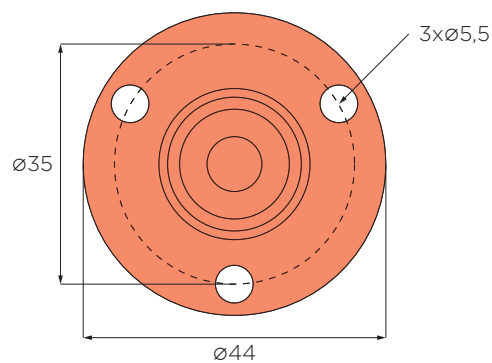
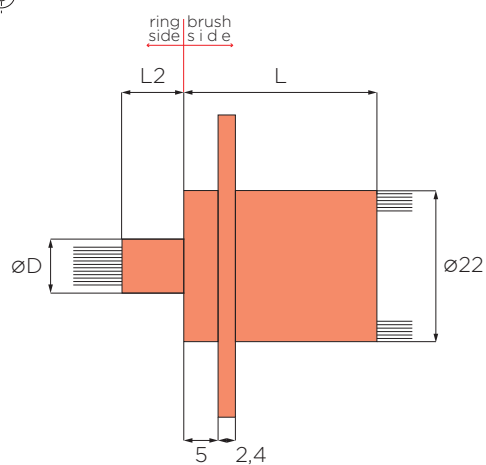
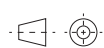
All dimensions in millimeters, unless otherwise specified

SVTS A 03

[illegible]

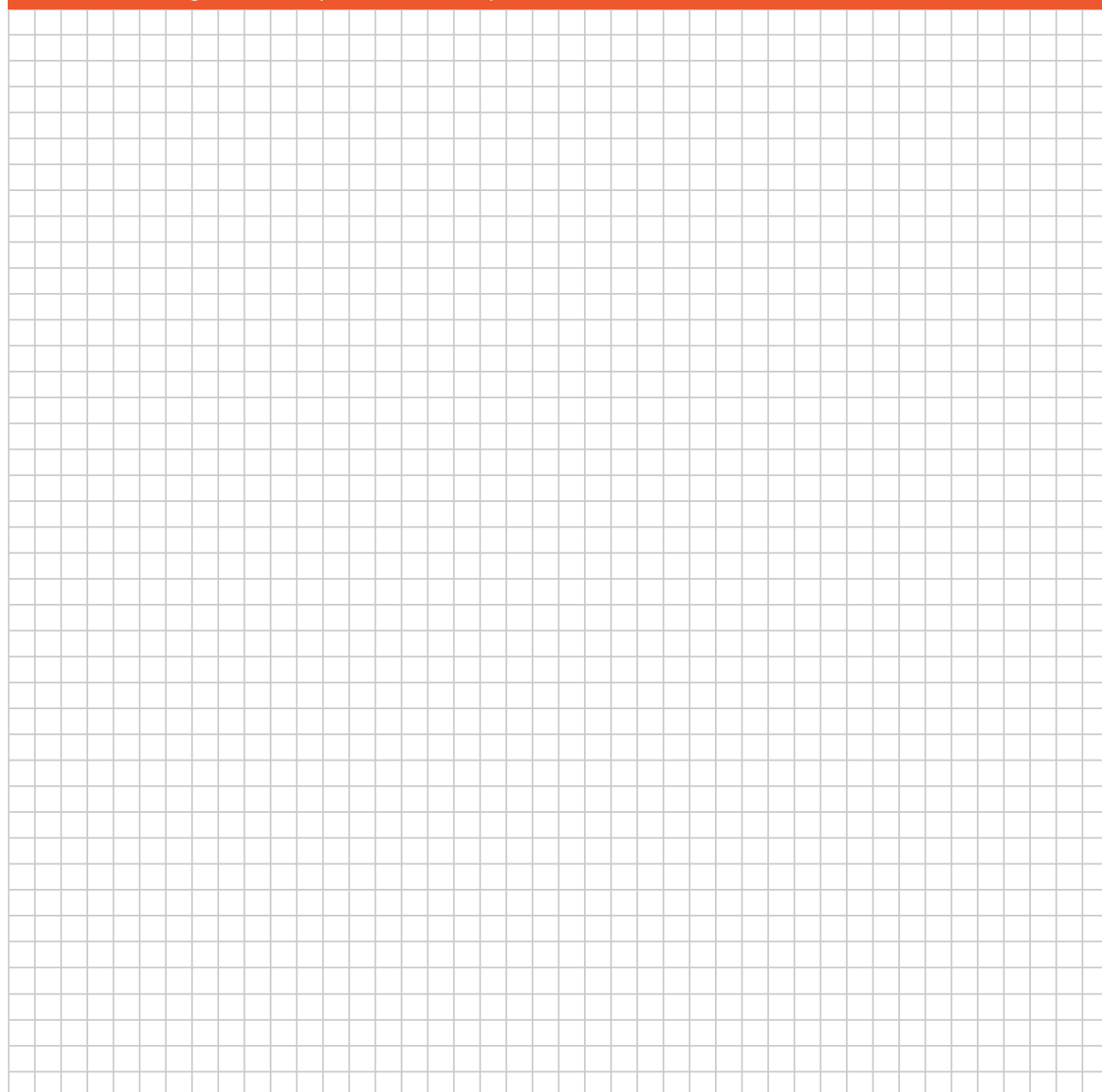
Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Oil
Power	Profinet	Air
	Sercos	Water
	Powerlink	

Customisations		



SVTS A 03 ... A - Standard flange

Custom cable length increase possible as multiples of 250mm



All dimensions in millimeters, unless otherwise specified

NEW
SVTS A 03

Ethernet

[illegible]

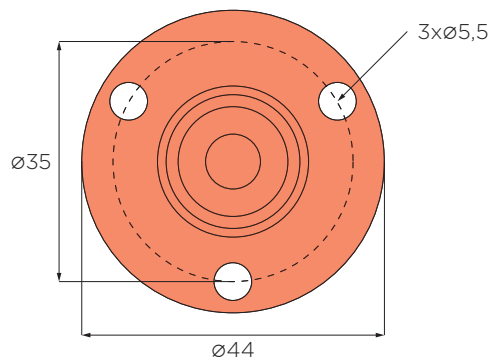
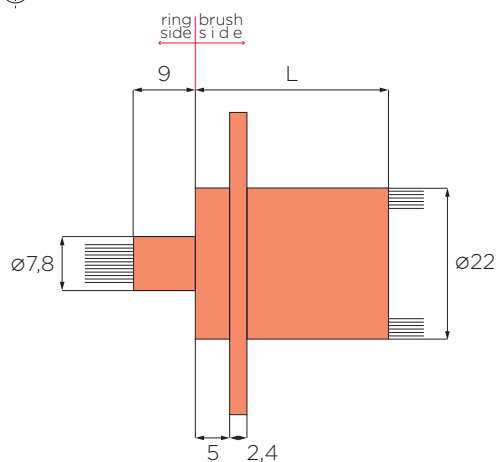
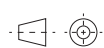
Transmission of

Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Air
Power	Profinet	Oil
	Sercos	Water
	Powerlink	
	Ethernet	

Customisations

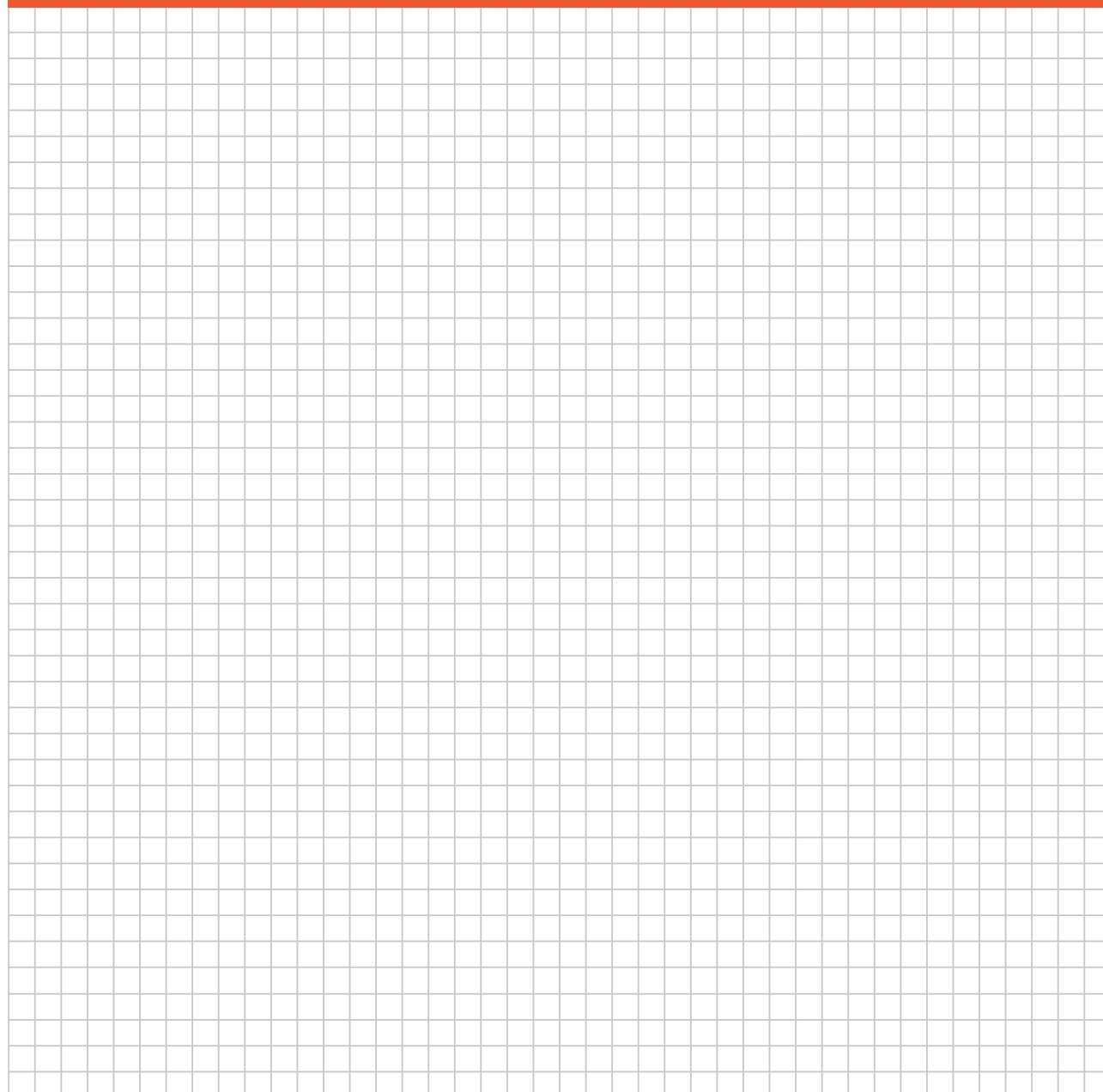
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



SVTS A 03 ... A - Standard flange - Ethernet

Custom cable length increase possible as multiples of 250mm



All dimensions in millimeters, unless otherwise specified

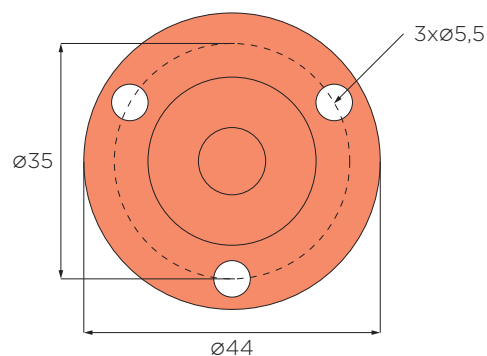
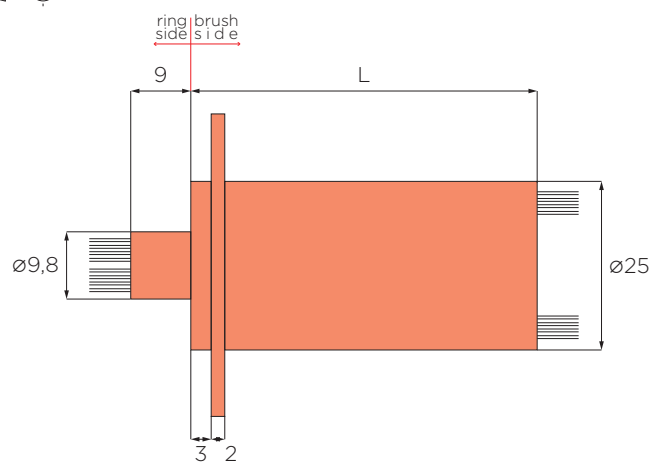
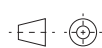
SVTS A 04

[illegible]

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	Ethernet	Air
Power	Canbus	Oil
	Profibus	Water
	RS232	

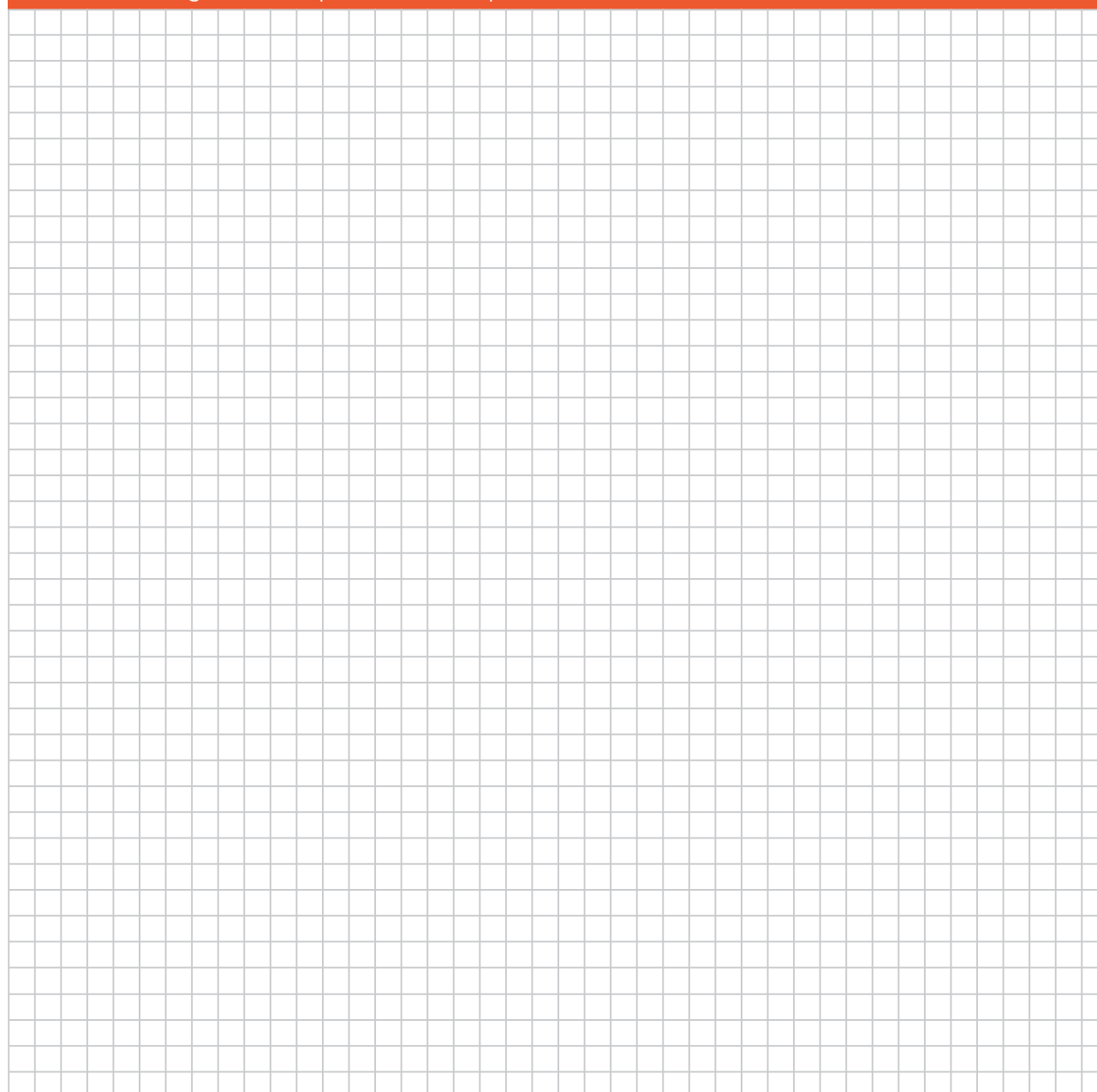
Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



SVTS A 04 ... A - Standard flange

Custom cable length increase possible as multiples of 250mm



All dimensions in millimeters, unless otherwise specified

NEW

SVTS A 04

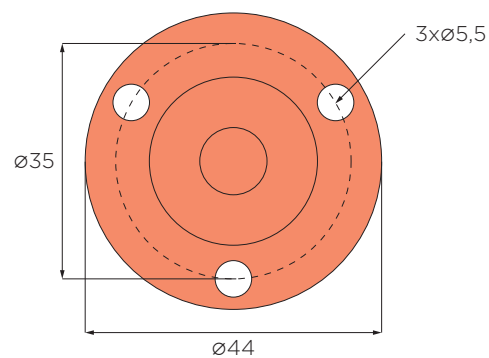
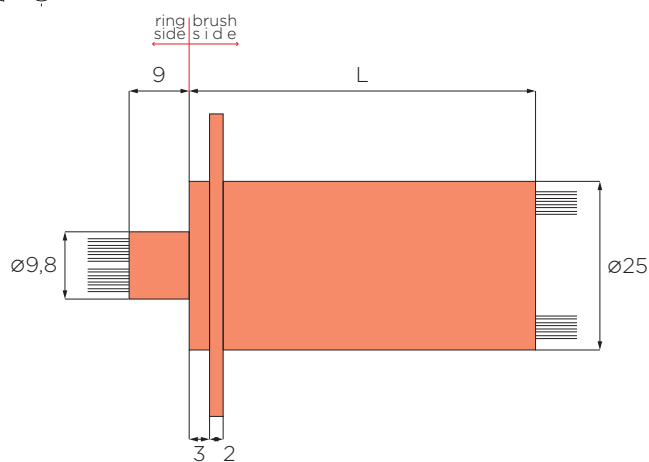
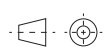
Ethernet

Model	Number of circuits			L	Weight (kg)
	Total	Signals 2A	Ethernet		
SVTS A 04-S-A-00/24-...-E1M	24	24	100BaseT	51,5	0,10
SVTS A 04-S-A-00/30-...-E1M	30	30	100BaseT	59,5	0,12
SVTS A 04-S-A-00/40-...-E1M	40	40	100BaseT	72,5	0,14
SVTS A 04-S-A-00/50-...-E1M	50	50	100BaseT	85,5	0,16
SVTS A 04-S-A-00/18-...-E1G	18	18	1000BaseT	51,5	0,10
SVTS A 04-S-A-00/24-...-E1G	24	24	1000BaseT	59,5	0,12
SVTS A 04-S-A-00/34-...-E1G	34	34	1000BaseT	72,5	0,14
SVTS A 04-S-A-00/44-...-E1G	44	44	1000BaseT	85,5	0,16

Transmission of		
Electric	Fieldbus	Fluidic (combined solutions)
Signals	EtherCAT	Air
Power	Profinet	Oil
	Sercos	Water
	Powerlink	
	Ethernet	

Customisations		
Cables	Mechanical design	Flange
Materials		

All dimensions in millimeters, unless otherwise specified



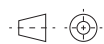
SVTS A 04 - Standard flange - Ethernet

Custom cable length increase possible as multiples of 250mm

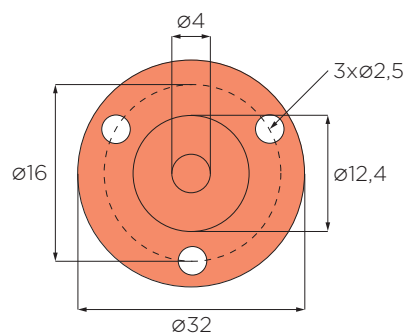
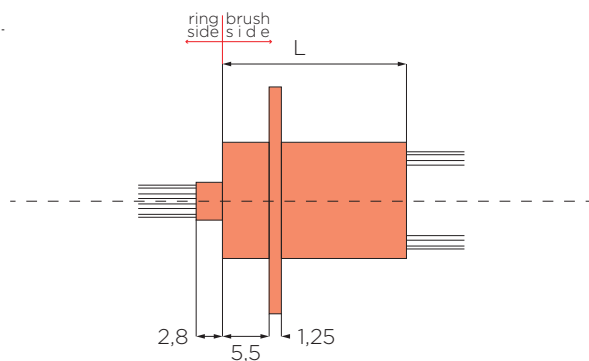


All dimensions in millimeters, unless otherwise specified

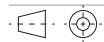
Flange types



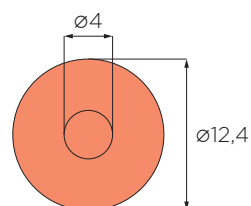
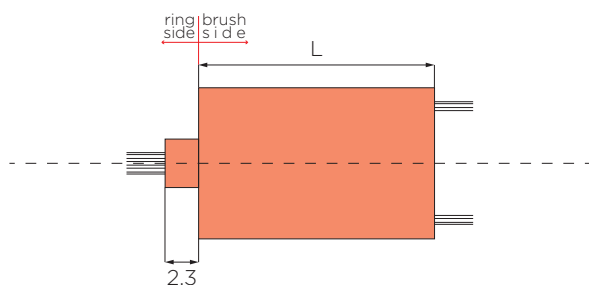
SVTSA 01



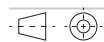
A FLANGE (STANDARD)



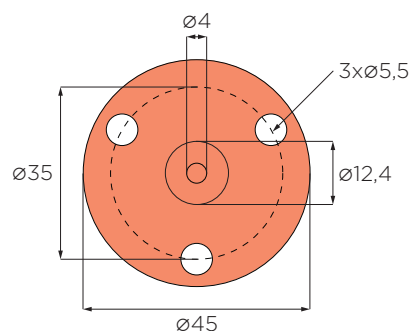
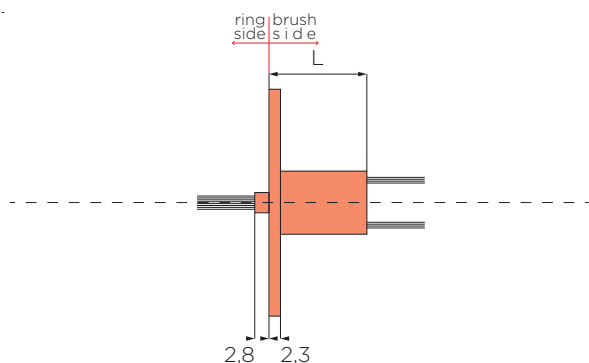
SVTSA 01



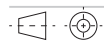
B FLANGE



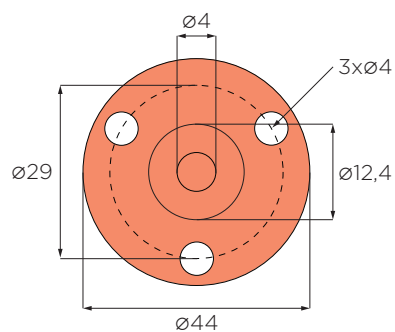
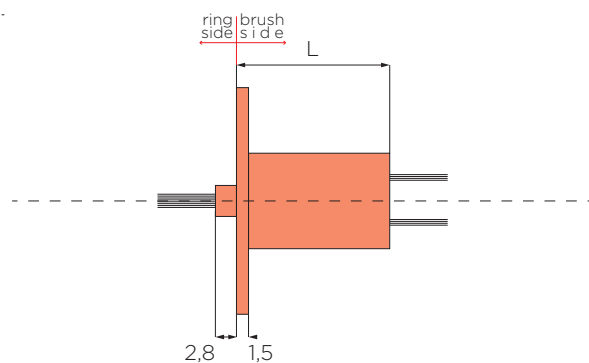
SVTSA 01



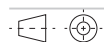
C FLANGE



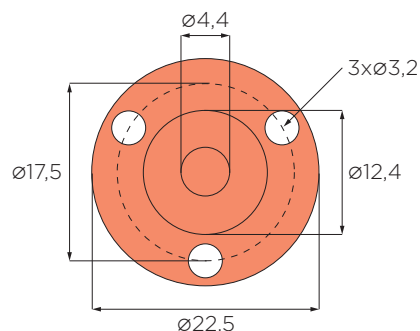
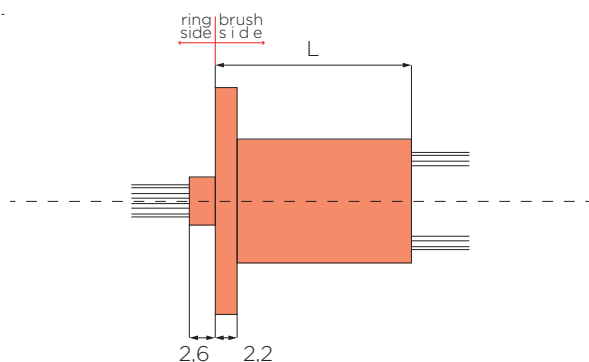
SVTSA 01



D FLANGE

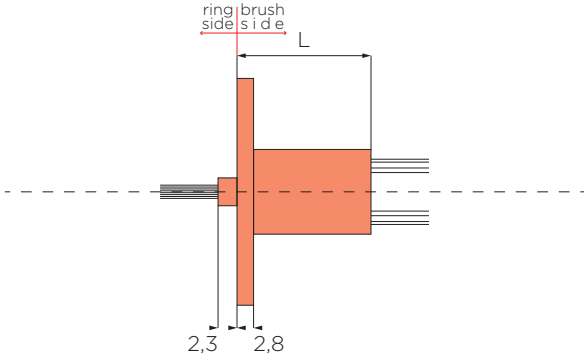
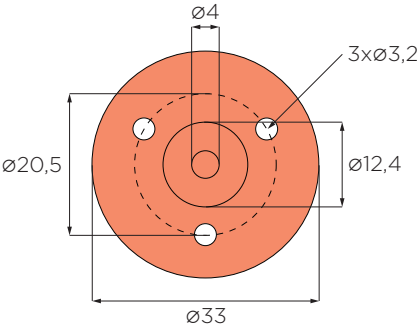
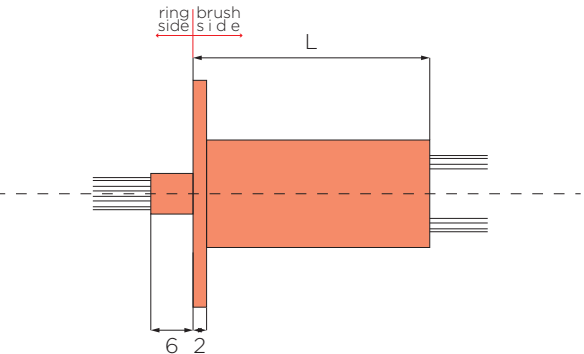
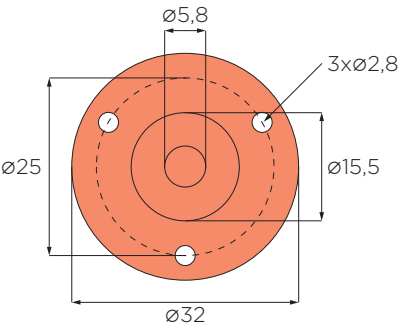
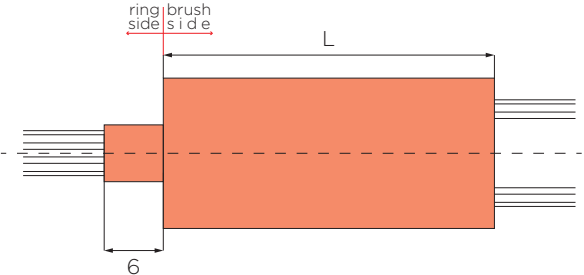
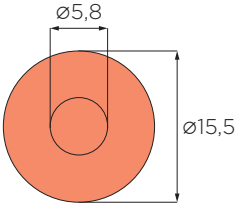
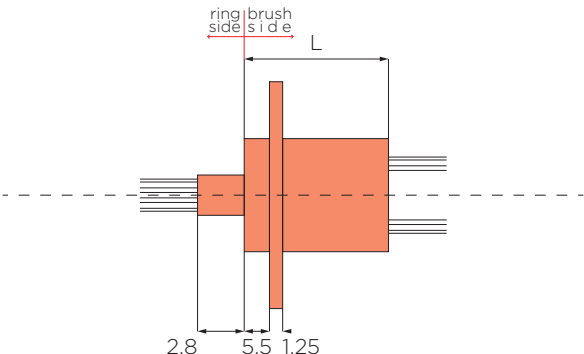
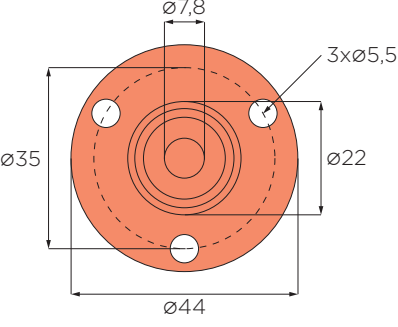
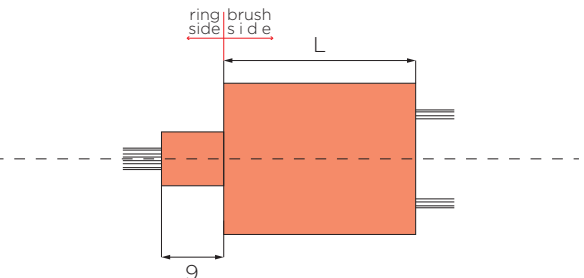
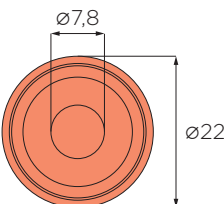


SVTSA 01



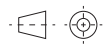
E FLANGE

All dimensions in millimeters, unless otherwise specified

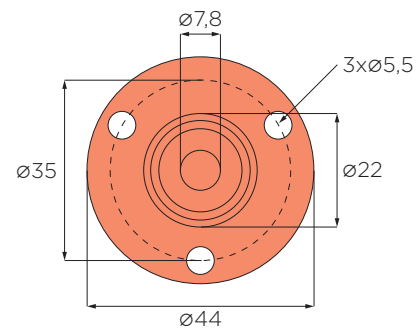
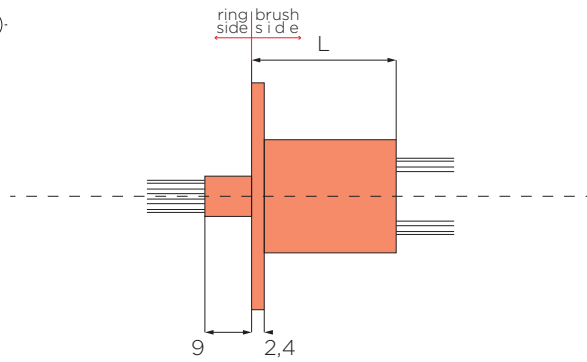
SVTSA 01			F FLANGE
SVTSA 02			A FLANGE (STANDARD)
SVTSA 02			B FLANGE
SVTSA 03			A FLANGE (STANDARD)
SVTSA 03			B FLANGE

All dimensions in millimeters, unless otherwise specified

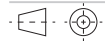
Flange types



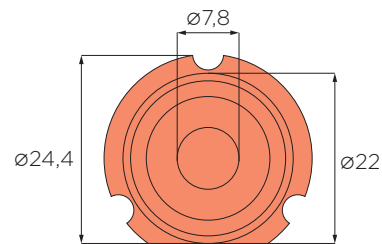
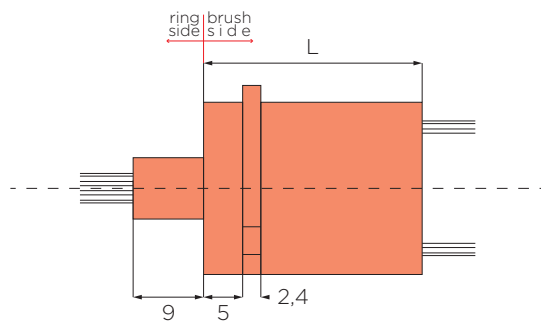
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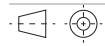
C FLANGE



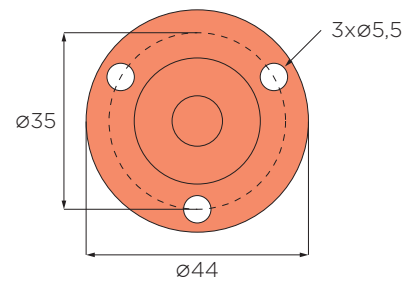
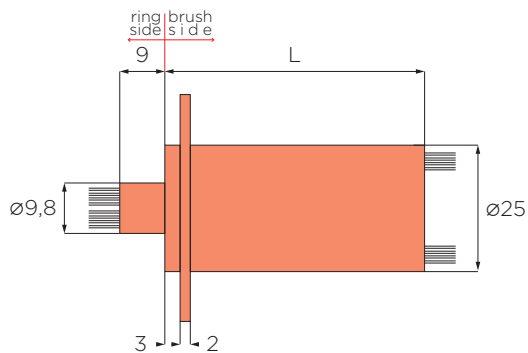
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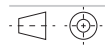
D FLANGE



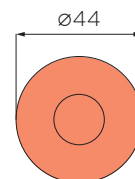
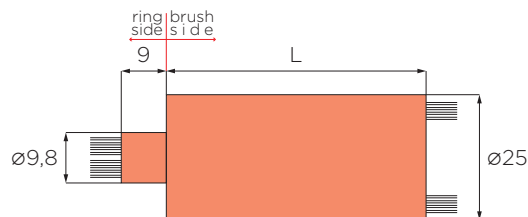
SVTSA 04



A FLANGE (STANDARD)



SVTSA 04



B FLANGE



All dimensions in millimeters, unless otherwise specified