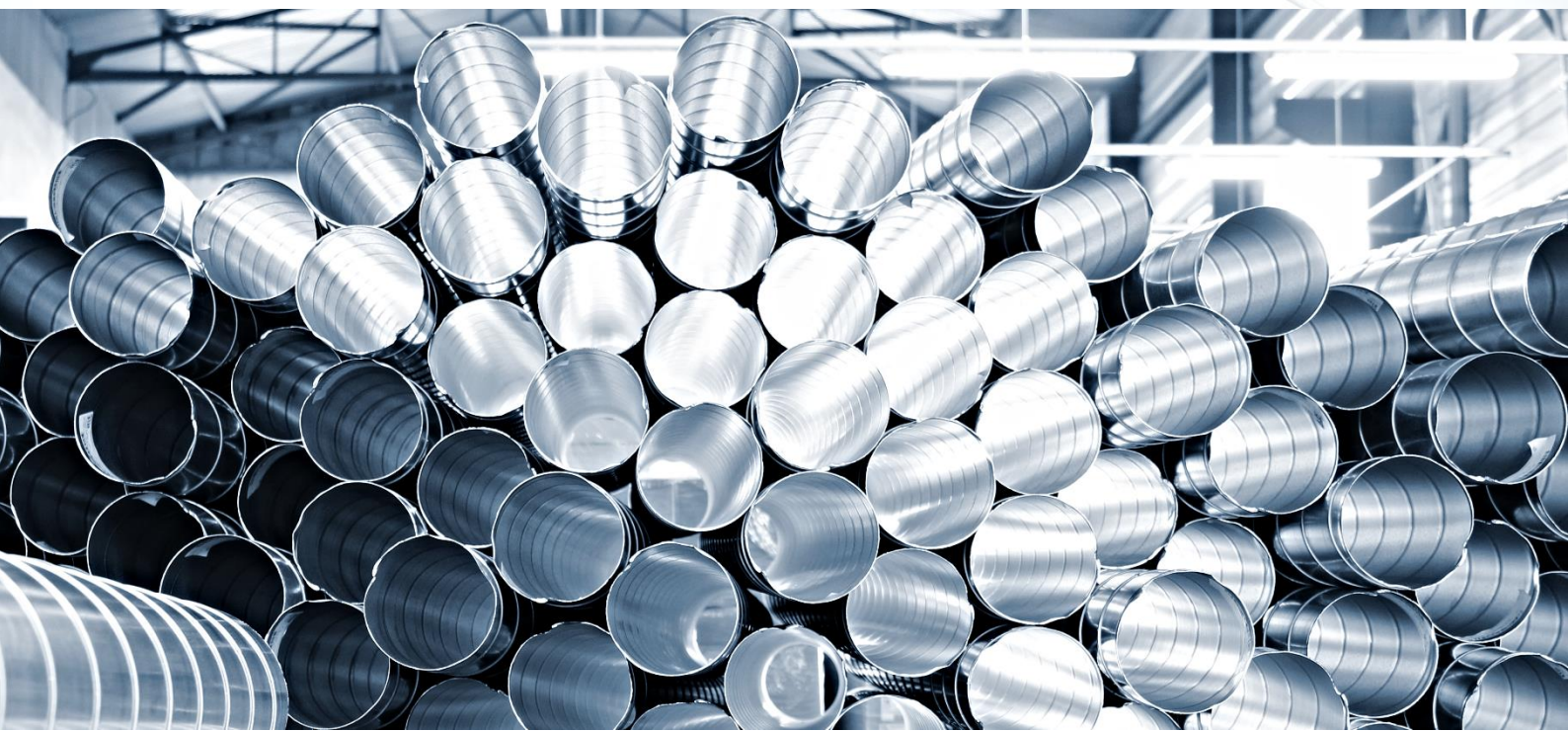




CATALOGUE • ROUND DUCT



Basic requirements for entry VZT duct production in company APIAGRA Ltd.

1. Entering into manufacturing

In digital format on the form „F05-8.0_Duct schedule“, sent by email or in written form in person – delivering to production manager - internal input. External input only through Pricing department.

HVAC ROUND DUCT – STRAIGHT/SPIRO



Description

Round duct in technical terms means flat pipes, shaped pieces (fittings) and the shaped pipes evenly following them.

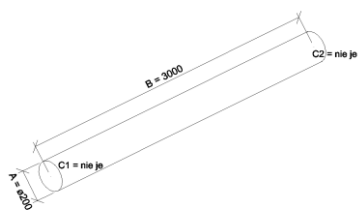
RUS / SPIRO – Spiral pipe			
L=3000mm/L=2000mm	Description + Marking/Order	Sorts/Conditions	Notes
	RUS \varnothing D/L, SPIRO \varnothing D/L Example of an order: RUS \varnothing 200/3000 ...1pcs, or SPIRO \varnothing 200/3000 ...1pcs	Dimension L=3000mm Dimension variants: <u>RUS/SPIRO \varnothingD:</u> 100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250.	Finish of the HVAC duct for the 1st group of TPA 12 0403/1



Figure 1 – Spiral pipe

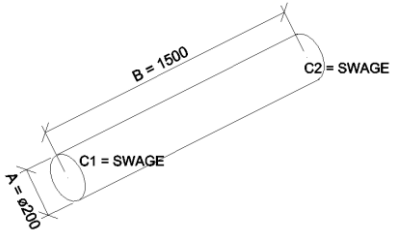
RUK – Straight Seamed Pipe			
without round flange	Description + Marking/Order	Sorts/Conditions	Notes
	RUK øD/L Example of an order: RUK ø200/1500 ...1ks	Dimension L: 1000mm for øD≤160mm 1500mm for øD>160mm Material thickness: øD≤250 Zn0,6mm 250<øD≤500 Zn0,7mm 500<øD≤630 Zn0,8mm 630<øD Zn1,0mm Dimension variants: RUK øD: 100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250.	Finish of the HVAC duct for the 1st group of TPA 12 0403/1



Figure 2 - Straight Seamed Pipe

Naming of the simple shapes is governed by the regulation STN 12 0000. Basic documents for development of technical terms are the regulations ST EN 1505, DIN 24 190, DIN 24 191, company regulations ON 120403.

HVAC ROUND DUCT – SHAPED

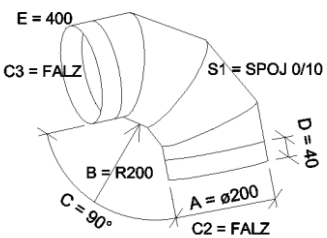


All dimensions for diameter of round fittings are given as a nominal size, it means that the actual size of diameters of round fittings is smaller than the nominal size, in terms of STN-EN, the order of 2 – 3 mm.

EXAMPLE:

Nominal size ϕ 200 corresponds to the actual size of ϕ 198.

OBLK90 – round bend angle = 90° (without round flanges).

OBLK90 – Round bend angle= 90°			
without round flange	Description + Marking/Order	Sorts/Conditions	Notes
	OBLK90 ϕA	<u>Dimension R=ϕA</u>	Finish of the HVAC duct for the 1st group of TPA 12 0403/1
	Example of an order: OBLK90 $\phi 200$...1pcs or OBLK90 200...1pcs Apiagra stores-price: <u>100,125,160,200,250,315</u>	R=centre of diameter D,E=40mm <u>Dimension variants</u> <u>OBLK90 ϕA:</u> 100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250	

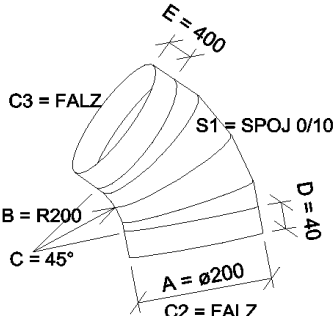
OBLK45 – Round bend angle=45°			
without round flange	Description + Marking/Order	Sorts/Conditions	Notes
	<p>OBLK45 øA</p> <p>Example of an order: OBLK45 ø200...1pcs or OBLK45 200...1pcs</p>	<p><u>Dimension R=øA</u></p> <p>R=centre of diameter D,E=40mm</p> <p><u>Dimension variants</u></p> <p><u>OBLK90 øA:</u> 100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250</p>	<p>Finish of the HVAC duct for the 1st group of TPA 12 0403/1</p> <p>Apiagra stores-price: <u>100,125,160,200,250,315</u></p>



Figure 3 – Round bend marked as OBLK90 left and OBLK45 right

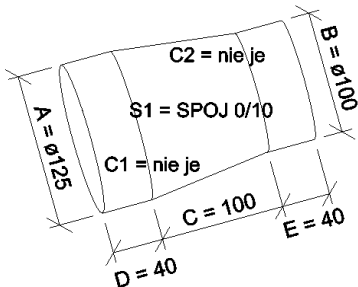
PRK1 – Round reducer - symmetrical			
without round flange	Description + Marking/Order	Sorts/Conditions	Notes
	PRK1 $\phi A/\phi B$	<u>Dimension $\phi A > \phi B$</u>	Finish of the HVAC duct for the 1st group of TPA 12 0403/1 Apiagra stores-price: <u>125/100</u> <u>160/125, 160/100</u> <u>200/160, 200/125, 200/100</u> <u>250/200, 250/160</u>
	Example of an order: PRK1 $\phi 125/\phi 100$...1pcs or PRK1 125/100...1pcs	D,E=40mm Overall length: L=C+D+E <u>Dimension C:</u> 100mm for fA \leq 200mm 200mm for fA>200mm <u>Dimension variants:</u> <u>PRK1 $\phi A/\phi B$:</u> 125/100 160/125, 100 200/160, 125, 100 250/200, 160 315/250, 200;355/315, 250 400/355;450/400;500/450 560/500;630/560;710/630 800/710;900/800;1000/900 1250/1000	



Figure 4 - Round reducer PRK1

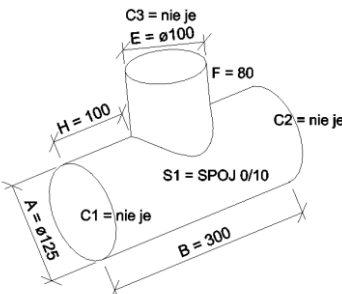
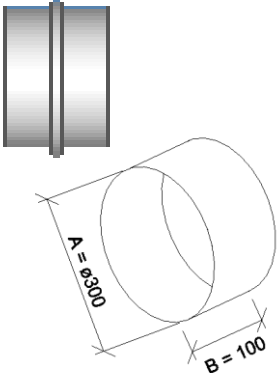
ROZK90 – Round double-branch ing – vertical branch				
without round flange	Description + Marking/Order	Sorts/Conditions	Notes	
	ROZK90 $\varnothing A/\varnothing E$	<u>Dimension $\varnothing A \geq \varnothing E$</u>	Finish of the HVAC duct for the 1st group of TPA 12 0403/1	
	Example of an order: ROZK90 $\varnothing 125/\varnothing 100$...1pcs or ROZK90 125/100...1pcs	H=100mm, F=80mm Overall length: B=2xH+E Dimension variants:		Apiagra stores-price: <u>100/100</u>
	ROZK90 $\varnothing 125/\varnothing 125$...1pcs or ROZK90 125/125...1pcs	<u>ROZK90 $\varnothing A/\varnothing E$:</u> 100/100		<u>125/125, 125/100</u>
	or ROZK90 125/125...1pcs	125/125, 100		<u>160/160, 160/125, 160/100</u>
	or ROZK90 125...1pcs	160/160, 125, 100		<u>200/200, 200/160, 200/125, 200/100</u>
		200/200, 160, 125, 100 250/250, 200, 160 315/315, 250 355/355;400/400;450/450 500/500;560/560;630/630 710/710;800/800;900/900 1000/1000		<u>250/250, 250/200, 250/160</u>



Figure 5 - Round tee ROZK90

SPOK – Round connecting piece – internal			
to connect spiro and round ducts	Description + Marking/Order	Sorts/Conditions	Notes
	<p>SPOK $\varnothing A$</p> <p>Example of an order:</p> <p>SPOK $\varnothing 200$...1pcs or SPOK 200 ...1pcs</p>	<p>Overall length:</p> <p>100mm pre $\varnothing A \leq 500$mm 150mm pre $\varnothing A > 500$mm</p> <p>Dimension variants</p> <p><u>SPOK $\varnothing D$:</u></p> <p>100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250</p>	<p>Finish of the HVAC duct for the 1st group of TPA 12 0403/1</p>

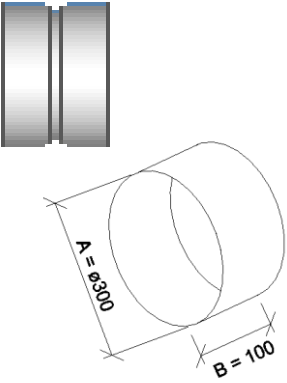
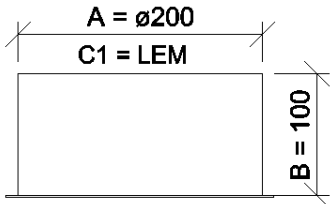
SPOKV – Round connecting piece – external			
to connect round - spiro shaped pieces	Description + Marking/Order	Sorts/Conditions	Notes
	<p>SPOKV $\varnothing A$</p> <p>Example of an order:</p> <p>SPOKV $\varnothing 200$...1pcs or SPOKV 200 ...1pcs</p>	<p>Overall length:</p> <p>100mm for $\varnothing A \leq 500$mm 150mm for $\varnothing A > 500$mm</p> <p>Dimension variants:</p> <p><u>SPOKV $\varnothing D$:</u></p> <p>100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250</p>	<p>Finish of the HVAC duct for the 1st group of TPA 12 0403/1</p>



Figure 6 - Round union (out) SPOKV (left), internal SPOK (right)

NASTK – Round extension piece			
on rectangular ducts	Description + Marking/Order	Sorts/Conditions	Notes
	<p>NASTK øA</p> <p>Example of an order:</p> <p>NASTK ø200...1pcs or NASTK 200...1pcs</p>	<p>Overall length/flange: 100mm /10mm</p> <p>Dimension variants:</p> <p>NASTK øA: 100,125,160,200,250,315, 355,400,450,500,560,630, 710,800,900,1000,1250</p>	<p>Finish of the HVAC duct for the 1st group of TPA 12 0403/1</p>

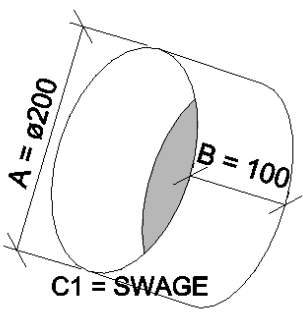
ZSLK – Round cap end piece			
to blind spiro and round ducts	Description + Marking/Order	Sorts/Conditions	Notes
	<p>ZSLK øA</p> <p>Example of an order:</p> <p>ZSLK ø200...1pcs or ZSLK 200...1pcs</p>	<p>Overall length:100mm</p> <p>Dimension variants:</p> <p>ZSLK øA:</p> <p>Apiagra stores: <u>100,125,160,200,250,315,</u></p> <p>Apiagra manufacturing: 355,400,450,500,560,630, 710,800,900,1000,1250</p>	<p>Finish of the HVAC duct for the 1st group of TPA 12 0403/1</p> <p>Apiagra stores: <u>100,125,160,200,</u> <u>250,315,</u></p>



Figure 7 - Round shoe NASTK



Figure 8 - Round cap end ZSLK



APIAGRA s.r.o.

Slanická 36

029 43 Zubrohlava

Slovakia

2017

Phone: +421 43 558 33 66

Mobil: +421 905 968 321

Fax: +421 43 552 04 80

Mail: info@apiagra.sk

Web: www.apiagra.sk