

## PRODUCT DATA SHEET No 0035/36/37/22

Product name: **RSO rigid pipe, ZPSO rigid lightning protection system fitting, ZKO rigid elbow, ZKod**

Manufacturer: ELEKTROPLAST SP. Z O.O 32-431 STRÓŻA 1015

Reference documents:	PN-EN 62305-3:2011E, PN-IEC 61024-1-2-2002P, PN-EN 61386-21:2005/A11:2011E, PN-EN 61386-1:2011/A1:2019, PN-EN 13501-1:2019 LVD Directive 2014/35/EU, Directive 2011/65/EU, NZ EL - PL 007/1/2012.
Intended use:	The lightning protection system is intended for the insulation of external lightning conductors LPS (Lightning Protection System), in particular when conducting the lightning conductor on and/or in combustible facades, e.g. (polystyrene) of buildings with a specified reaction to fire class. The following components are included in the system: <b>Rigid RSO lightning protection pipes, ZPSO rigid fitting (connection in straight lines), ZKO rigid elbows (90°) intended for the insulation of the discharge conductor (aluminium) at the exit of the conductor from the combustible zone of the wall or wall insulation e.g. polystyrene., ZKod (30°) intended for the insulation of the discharge conductor (steel, copper) at the exit of the conductor from the combustible zone of the wall or wall insulation e.g. wood, polystyrene.,</b>
Product features: RSO, ZPSO, ZKO, ZKod rigid pipe.	<ul style="list-style-type: none"> <li>• RSO, ZPSO, ZKO, <b>ZKO rigid pipe - self-extinguishing</b></li> <li>• Material: Rigid PVC</li> <li>• Reaction to fire: <b>B-s2, d0</b></li> <li>• UV-resistant for temperate climates</li> <li>• Colour grey</li> </ul>
Compression resistance - RSO, ZPSO, ZKO, ZKod	<b>1250N</b>
Wall thickness: RSO, ZPSO, ZKO, ZKod	<b>C ≥ 3 mm</b>
Surge 1.2/50µs voltage sustained	<b>C ≥ 100 kV</b>
Chemical resistance:	Resistant to alcohols, aromatic-free petrol, glycol, hydrochloric acid (100% at 60°C), nitric acid (10% at 60°C), sulphuric acid (96% at 20°C), diesel fuel at 20°C, hydrogen sulphide at 60°C.
Temperature range : (transport, installation, operation)	(-45°C) to (+60°C)
internal/external diameters[mm]:	<b>RSO 20/14;40/34 ; ZPSO 26/20;46/40 ; ZKO, ZKod 26/20;46/40</b>

Catalogue no.	Ø external/internal	Length of section	Pieces/ packaging.
<b>RSO</b>			
06.52	20/14	3m	20
06.52(2)	20/14	2m	20
06.53	40/34	3m	5
<b>ZPSO</b>			
06.54	26/20		10
06.55	46/40		5
<b>ZKO single-socket (90°)</b>			
06.56	26/20		10
06.57	46/40		5
<b>ZKO double-socket (90°)</b>			
06.56A	26/20		10
06.57A	46/40		5
<b>ZKod (30°)</b>			
06.58	26/20		10
06.59	46/40		5



Fig. 1 RSO lightning protection system pipe RSO grey Ø20/14 and Ø40/34



Fig.2 ZKO Single-socket, double-socket, ZKod,

Table 1

No	d	D	L
1. <b>ZPSO 20</b>	20 <sup>+03</sup>	26 <sup>-03</sup>	74 <sup>-05</sup>
2. <b>ZPSO 40</b>	40 <sup>+03</sup>	46 <sup>-03</sup>	79,5 <sup>-03</sup>



Fig.3,4 ZPSO fitting - grey  $\varnothing 26/20$  and  $\varnothing 46/40$

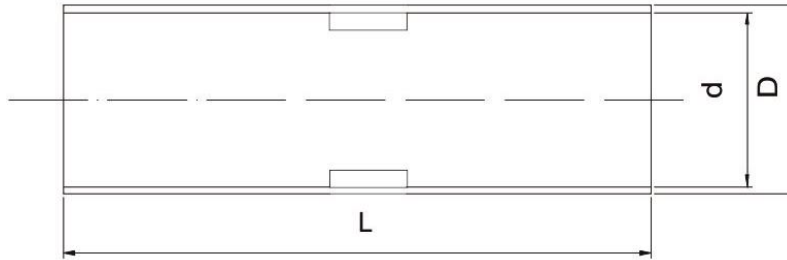


Table 1a. single and double - socket

No	"d1"	"D1"	L1	L2	S
1. <b>ZKO 20</b>	20 <sup>-03</sup>	26 <sup>-03</sup>	180 <sup>+02/-05</sup>	150 <sup>+02/-05</sup>	32 <sup>+02/-05</sup>
2. <b>ZKO 40</b>	40 <sup>-03</sup>	46 <sup>-03</sup>	240 <sup>+02/-05</sup>	190 <sup>+02/-05</sup>	50 <sup>+02/-05</sup>



Fig.5 Single-socket and double-socket grey ZKO

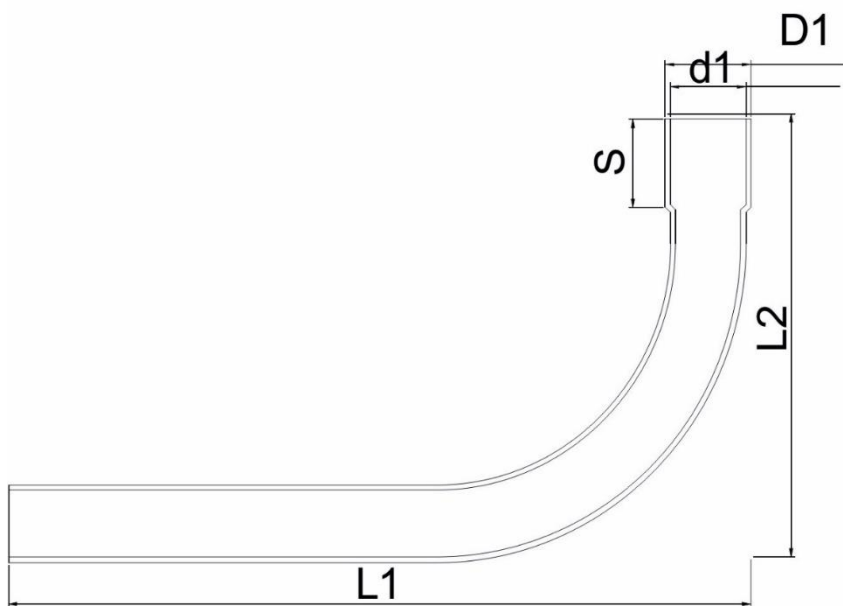
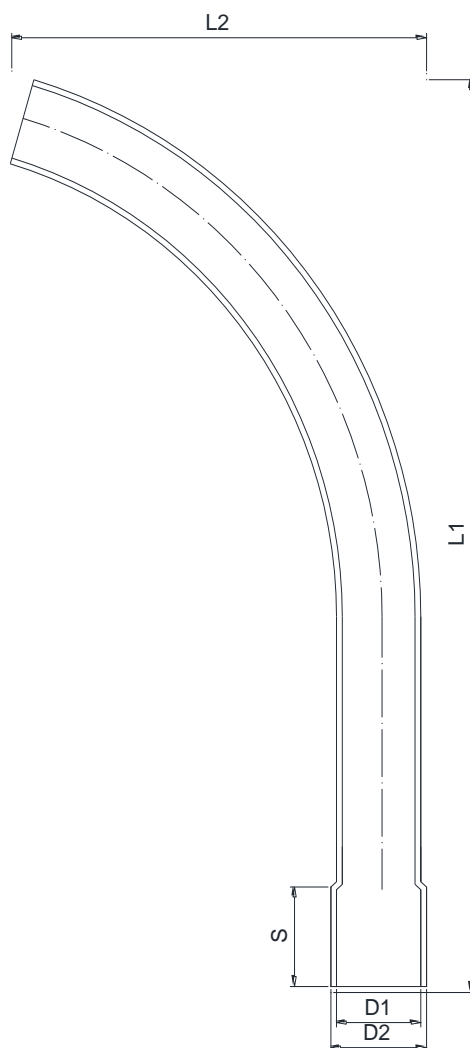


Table 1b.

Lp.	D1	D2	L1	L2	S
1ZKod <b>20</b>	20 <sup>+03</sup>	26 <sup>-03</sup>	370 <sup>+2/-5</sup>	140 <sup>+2/-5</sup>	32 <sup>+02/-05</sup>
2ZKod <b>40</b>	40 <sup>+03</sup>	46 <sup>-03</sup>	400 <sup>+02/-05</sup>	170 <sup>+02/-05</sup>	55 <sup>+02/-05</sup>



Fig.6 ZKod grey Ø26/20



The above information is based on the current state of knowledge and applies to the product as manufactured by the manufacturer: Elektroplast Spółka z ograniczoną odpowiedzialnością.

In the case of use of the product for purposes other than those stated by the manufacturer, the responsibility for the safety, duration and quality of use of the products falls on the user. **The product data sheet was prepared by: Stanisław Klakla - Production Director**

ELEKTROPLAST  
Spółka z ograniczoną odpowiedzialnością  
DYREKTOR PRODUKCJI  
*Stanisław Klakla*