

<u>LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS</u>	
Galvanized steel clamp for connecting round or stranded conductors Part number ELEMKO : 62 01 838	
<u>Description</u>	
Galvanized steel clamp, part number ELEMKO 62 01 838, class "H" (Heavy duty), for connecting, above ground or buried in the ground, solid round or stranded conductors Ø8-10mm diameter or 50-70mm ² . The clamp is intended for applications in lightning protection systems (LPS) and earthing systems. It is made out of hot dip galvanized steel (St/tZn). The clamp is composed out of two external plates with dimensions 50mm x 50mm x 3mm and one intermediate plate with dimensions 50mm x 50mm x 2mm. The tightening is achieved by four stainless steel mushroom head screws M6 x 25mm according to DIN 603 and stainless steel nuts M6 according to EN 24032.	
Tests according to Standard EN 50164 – 1	
Arrangements according to Standard EN 50164 – 1	<ul style="list-style-type: none"> ➤ A1 - A4 (Cross & "T" connection) ➤ A2 (Parallel connection)
Conditioning / ageing according to Standard EN 50164 – 1	<ul style="list-style-type: none"> ➤ Salt mist (3 days)¹. ➤ Humid sulphurous atmosphere (7 days)².
Electrical tests according to Standard EN 50164 - 1	<ul style="list-style-type: none"> ➤ CLASS H – 100kA (10/350µs) ➤ 50 Coulomb ➤ 2.5 MJoule / Ohm
Tightening torque	➤ 9Nm
Contact resistance	➤ < 1mΩ
The above tests are proved by test reports No 30035 (N), 30044 (N), 30531, 30532, 30539 & 30684 of ELEMKO high voltage and high current testing laboratory	
Connection Arrangement	Clamp Photo
	

¹ This test as described in EN 50164-1 is performed by applying standard EN 60068-2-52.

² This test as described in EN 50164-1 is performed by applying standard EN ISO 6988.