



## CENTAUR®

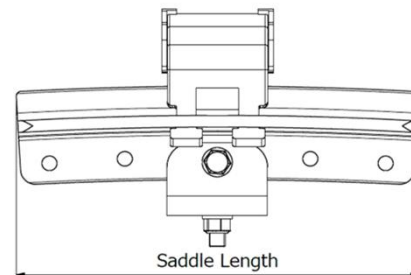
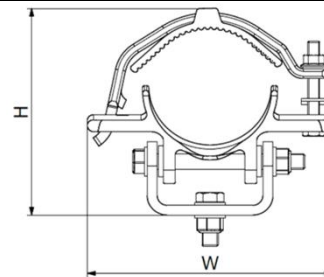
HV Aluminium Saddled Cable Cleat

UK Patent App. No. 0805128.6 , European Patent No. 1973211

US Patent No. 8398033

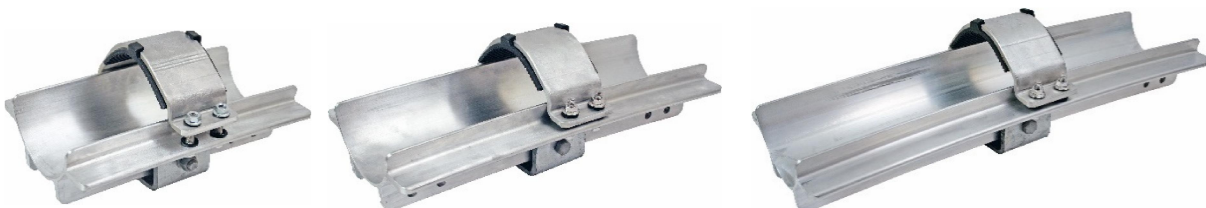
Community Design Registration No. 000749999

- 6000 series extruded aluminium saddle is pressed to an 3.5m radius arc to accomodate for cable sag.
- Galvanised steel base brasket, galvanised M16 fixings and A4 M12 stainless steel clamp fixings are insulated from the 6000 series aluminium body with polymeric top hat washers.
- Central strap fitted with soft LSF polymeric liner to cushion the cable.
- Pivot points in the base (allow the saddle to partially rotate up and down and left to right across its length) and hinged cable strap ease installation.
- Cable rollers can be positioned at the ends of the saddle for cable pulling as an optional extra.
- **Short circuit and mechanical testing to IEC 61914.**
- *Material data sheets, engineering drawings and test reports available on request.*



Part No.	Cable Range (Ø)		Dimensions				
	Min Dia mm	Max Dia. mm	W mm	H mm	Saddle Length mm	Base Fixings	Strap Fixings
CS100-112	100	112	244	205	400, 600 or 800	1 x M16	2 x M12
CS108-122	108	122	244	212	400, 600 or 800	1 x M16	2 x M12
CS120-132	120	132	244	221	400, 600 or 800	1 x M16	2 x M12
CS128-142	128	142	244	233	400, 600 or 800	1 x M16	2 x M12
CS140-152	140	152	272	240	400, 600 or 800	1 x M16	2 x M12
CS150-162	150	162	272	253	400, 600 or 800	1 x M16	2 x M12

The required saddle length is denoted by **':XXX'** where XXX is the saddle length in mm, e.g. **CS100-112:800** is a 800mm long Centaur to suit Ø100-Ø112mm cable. For full engineering drawings and roller details contact Ellis.





## Testing Summary

Centaur saddle clears have been tested in line with the International Standard of 'Cable Cleats for Electrical Installations' IEC 61914:2016. Please note that some testing predates 2016, but still conforms to the standard, typical results are detailed below:

Property	IEC 61914 Classification Clause	Units / Classification	Test Data
Cleat Type	6.1, 6.1.3	Composite	-
Temperature for Permanent Application	6.2	°C	-40 - 60
UV Resistance	6.5.1	UV Resistant	Metallic frame shields all polymer components.
Corrosion Resistance	11.2.1, 11.2.2	-	Refer to Ellis for corrosion performance details.
Impact Resistance	6.3, 6.3.5, 9.2	Very Heavy (5kg @ 400mm)	Pass
Needle Flame Test	10.0, 10.3	Application Time >30 seconds	Pass
Axial Load Test	9.4	Newtons (N)	Refer to Ellis
Lateral Load Test	9.3	Newtons (N)	Refer to Ellis
Resistance to Electromechanical Force (undertaken at KEMA Laboratories)	6.4, 6.4.3, 9.5	800mm cable phase spacing and Centaur cleats @ 8.4m with straps at midpoints	163kA peak (Report No. KEMA 313-08) Force per saddle = 23,000N
Cleat Loop Strength	N/A	Newtons (N)	85,000

### APPROVALS:



Conduit & cable hardware 4CG8 with AH-2  
& wet locations. Listed sizes: CS148-  
162:400 and CS148-162:800

