

Technical drawing of a metal rod assembly, showing a side view and detailed cross-sections.

Side View: A long rod with a total length L . The rod has a central section with a diameter of $\varnothing 11$ and two end sections with a diameter of $\varnothing 8,4$. The end sections are labeled 1 and 2. The central section is labeled 3. The rod is shown with a break in the middle.

Assembly Details:

- Top Detail (1):** A cross-section of the end section (1) showing a diameter of $\varnothing 8,4$ and a thickness of 1.
- Bottom Detail (2):** A cross-section of the end section (2) showing a diameter of $\varnothing 8,4$ and a thickness of 1.
- Central Detail (3):** A cross-section of the central section (3) showing a diameter of $\varnothing 11$ and a thickness of 1.
- End Section (1):** A detailed view of the end section (1) showing a hexagonal shape with a diameter of $\varnothing 11$ and a thickness of 1. The hexagon has a width of 11,4 and a height of 10,6. The thickness of the hexagonal part is 4,5. The total height of the end section is 12,4. The hexagonal part is labeled 1.
- End Section (2):** A detailed view of the end section (2) showing a hexagonal shape with a diameter of $\varnothing 11$ and a thickness of 1. The hexagon has a width of 11,4 and a height of 10,6. The thickness of the hexagonal part is 4,5. The total height of the end section is 12,4. The hexagonal part is labeled 2.
- End Section (3):** A detailed view of the central section (3) showing a hexagonal shape with a diameter of $\varnothing 11$ and a thickness of 1. The hexagon has a width of 11,4 and a height of 10,6. The thickness of the hexagonal part is 4,5. The total height of the end section is 12,4. The hexagonal part is labeled 3.

Assembly Instructions:

- Pormenor de montagem (Top):** A diagram showing the assembly of the end section (1) into the rod. The end section (1) is shown being inserted into the rod.
- Pormenor de montagem (Bottom):** A diagram showing the assembly of the end section (2) into the rod. The end section (2) is shown being inserted into the rod.

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Código			Designação										Legenda: 1 - Anilha Ø11 para ramal 2 - Casquilho M13x1 3 - Porca M14x1,5						
000710C			Ramal L=430 mm M14x1,5 Racord																
000710F			Ramal L=357 mm M14x1,5 Racord																
000710O			Ramal L=450 mm M14x1,5 Racord																
000711G			Ramal L=550 mm M14x1,5 Racord																
a	Atualização do desenho e códigos na tabela												23.11.2010		Anabela		M.Silva		
Rev.	Modificações												Data		Alterou		Verificou		
Material: Alumínio				Dimensões:						Quantidade:									
Peso:				Acab. Superf.:						Tratam. Térmico:									
	Data	Rúbrica	Escala	Tol. Geral		Substitui:													
Desenhou	03.11.2000	Freitas	± 1			Substit. por:													
Verificou	03.11.2000	M.Meireles				Distri. de Cópias													
Aprovou						AP	CP	GQ	MD										
			Designação								Aplicação								
			RAMAL M14x1,5 / RACORD M13x1																
 Rua D. Afonso Henriques Nº235 4585-322 Gandra PRD - PORTUGAL			Código				Ver Tabela		Nº Desenho			AM0000891		a	b				