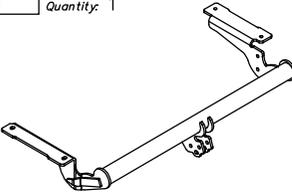
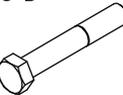
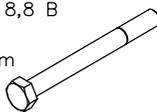
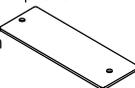


Towbar accessories:

Pos. 1 Name: Main bar Quantity: 1 	Pos. 5 Name: Right fish-plate Quantity: 1 Dim.: 295x112x5mm 	Pos. 11 Name: Nut 8 B Quantity: 6 Dim.: M10 
	Pos. 6 Name: Distance sleeve Quantity: 4 Dim.: Ø17,2x2,35; L=88mm 	Pos. 12 Name: Plain washer Quantity: 2 Dim.: Ø 13 mm 
Pos. 2 Name: Tow ball Quantity: 1 	Pos. 7 Name: Bolt 8,8 B Quantity: 2 Dim.: M12x75mm 	Pos. 13 Name: Plain washer Quantity: 6 Dim.: Ø 10,5 mm 
Pos. 3 Name: Socket plate Quantity: 1 	Pos. 8 Name: Bolt 8,8 B Quantity: 4 Dim.: M10x120mm 	Pos. 14 Name: Spring washer Quantity: 2 Dim.: Ø 12,2 mm 
Pos. 4 Name: Left fish-plate Quantity: 1 Dim.: 310x110x5mm 	Pos. 9 Name: Bolt 8,8 B Quantity: 2 Dim.: M10x35mm 	Pos. 15 Name: Spring washer Quantity: 6 Dim.: Ø 10,2 mm 
	Pos. 10 Name: Nut 8 B Quantity: 2 Dim.: M12 	Pos. 16 Name: Ball cover Quantity: 1 



PPUH AUTO-HAK Sp.J.

Produkcja Zaczepów Kulowych
Henryk & Zbigniew Nejman
76-200 SŁUPSK ul. Słoneczna 16K
tel/fax (059) 8-414-414; 8-414-413
email: office@autohak.com.pl
www.autohak.com.pl

Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **E23**

Designed for:

Manufacturer: **OPEL**

Model: **ASTRA "G"**

Type: **ESTATE**

produced since 03.1998 till 10.2004

Technical data:

D-value: 8,6 kN

maximum trailer weight: **1500 kg**

maximum vertical cup load: **75 kg**

Approval number acc. to regulations EKG/ONZ 55.01: E20-55R-01 0734

Foreword

This towbar is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating compound and underseal from vehicle (if present) in the area of the matting surfaces of the towing hitch. The vehicle manufacturer's specifications regarding trailer load and max. vertical cup load are decisive for driving, and values for the towing hitch cannot be exceeded.

D-value formula:

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]}}{\text{Max trailer weight [kg]} + \text{Max vehicle weight [kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$

