

DECLARATION OF PERFORMANCE

No. 017/01

1. Product code: Column Shoes
2. Product-type: AHK16, AHK20, AHK24, AHK30,AHK36, AHK39 AND AHK45
3. Intended use/s: Column shoes are used in prefab columns for column-to-foundation and column-to-column connections. The prefab column shoes form the column connection, and they are fixed to the formwork before casting. The column shoe connection is ready for use when the concrete has reached its designed strength.
4. Manufacturing plant: Anstar Oy
Villähde
5. Company: Anstar Oy
Erstantie 2
FI-15540 Villähde, FINLAND
6. Verification of constancy: 2+
7. Notified body No: 0416

Inspecta Sertifiointi Oy has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance, assessment and evaluation of factory production control and issued factory production control certificate 0416-CPR-7247-01.

8. –
9. Declared performances:

Basic characteristics	Performance	Harmonised technical specification
Tolerances on dimensions and shape	EN 1090-2	EN 1090-1:2009+A1:2011
Weld ability	EN 10025 and EN10800 steel according S355J2+N, A500HW, B500B or B500NC	EN 1090-1:2009+A1:2011
Fracture toughness	Fracture 27J -20°C	EN 1090-1:2009+A1:2011
Reaction to fire	ClassA1	EN 1090-1:2009+A1:2011
Release of cadmium and its compounds	NPD	EN 1090-1:2009+A1:2011
Emission of radioactivity	NPD	EN 1090-1:2009+A1:2011
Durability of functional characteristics	Pre-treatment P1 or hot dip galvanized	EN 1090-1:2009+A1:2011
Design	NPD	EN 1090-1:2009+A1:2011
Durability	According to EN 1090-2. Execution class EXC2 project specific according to component.	EN 1090-1:2009+A1:2011
Structural characteristics		EN 1090-1:2009+A1:2011
Load bearing capacity	NPD	EN 1090-1:2009+A1:2011
Fatigue strength	NPD	EN 1090-1:2009+A1:2011
Resistance to fire	Calculated value R 120, after casting accordance to manual.	EN 1090-1:2009+A1:2011
Manufacturing	According to component specification 006-01-2013 execution class EXC2. Welding of reinforcing according EN17660-1.	EN 1090-1:2009+A1:2011

10. On behalf of manufacturer, i declare that the performances of the product identified in point 1 and 2 are on conformity with product properties given in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Villähde 10.12.2014



Tero Viljakainen
Quality Manager
Anstar Oy