

Hard chrome plated barsteel
Cromax® 327/42CrMo4V
articlecode: **334****General**

Hard chrome plated barsteel Cromax® 327/42CrMo4V.
 The bar is ready to use and has a diameter tolerance of f7.
 The thickness of the chrome layer is minimum 20 µm; sizes <20 mm
 minimum 15 µm. The surface roughness (Ra) is maximum 0,2 µm (cut-off 0,8 mm).
 The surface hardness is minimum 800HV.

The hard chrome plated bars will be mainly used as pistonrods for hydraulic cylinders.
 In an aggressive environment, like the process industry, in the mining industry,
 along the shore, on the roads and in the offshore-industry, one could use bars of
 chrome plated stainless steel bars or nickel chrome plated bars.

The lengths are about 6 meter, cutting on request.

Corresponding norms

DIN	42CrMo4V
AFNOR	42CD4

Mechanical properties

	diameter in mm	
	≤40	>40
Yieldstrength N/mm ²	≥ 750	≥ 650
Tensilestrength N/mm ²	1000-1200	900-1100
Elongation (A5) min. %	≥ 11	≥ 11
Hardness HB	295-355	265-325

Chemical analysis Cromax® 327/42CrMo4V

C%	Si%	Mn%	Cr%	Mo%
0,42	0,25	0,75	1,05	0,20

Straightness

Deviation diam. ≤ 160 mm: max. 0,3 : 1000 mm and > 160 mm: max. 0,5 mm : 1000 mm

Out of roundness

Maximum 1/2 of the diameter tolerance

Packaging

In green plastic sleeve or cardboard tube / bundle or wooden box.

Hard chrome plated barsteel - Cromax® 327/42CrMo4V



	Diameter mm	Kg/m			
Hard chrome plated barsteel -Cromax® 327/42CrMo4V	20	2,47			
	28	4,83			
	32	6,31			
	36	7,99			
	40	9,86			
	50	15,41			
	56	19,34			
	60	22,19			
	100	61,65			
		Other sizes on request			

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All mentioned sizes have a deliverytime of minimum 1 week s.b.u.

Although Van Leeuwen Precisie B.V. is carefully composing the pricelist, every responsibility concerning the offered information is excluded. For actual prices please consult our online gross-pricelist on the internetsite www.vanleeuwen-precisie.nl.