

DURANOX 12

DURANOX 12 is a martensitic stainless steel that allows corrosion control. Even in wet condition, the surface condition allows the optimum slippage characteristics to be maintained.

DURANOX 12 is not a wear control product.

Main applications	Hoppers and storage or unloading skips for wet products. Sugar beet or sugarcane mill, unloading of bulk products
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Mechanical properties	Rp 0.2: 370
Typical values	Rm: 500
Thickness 20 mm	A%: 18%
	KCV: 50J

Chemical composition
Typical values Max %

C	Si	Mn	P	S	Cr	Ni	N
0.03	1	1.5	0.04	0.015	11.5	0.7	0.03

Dimensions	Available in coils: From 1 to 10 mm Available in Quarto: From 12 to 30 mm
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Implementation

For any use of a wear resistant steel with no temperature, we recommend you to use our DURSTEEL 410, 460 or 510 steels (refer to datasheet at www.wa-produr.com)

WA PRODUR filler metals recommended to weld DURANOX 12 are as follows:

CORINOX 309G/0 : Slag stainless steel cored wire with or without gas with 23% Cr and 12% Ni used for heterogeneous assemblies.

CORINOX NIMO : Cored wire with 13% chromium offering characteristics similar to those of DURANOX 12. Horizontal butt welding for G version and all position welding for VG version.