



italricambi S.p.A.



CAST PARTS

Italicambi produce a wide range of cast parts like:

- Tips for loaders, excavators and backhoes
- Adapters for loaders, excavators and backhoes
- Ripper tips and adapters for bulldozers
- Protectors for buckets

The high quality of the steels used, the production cycle (**heat-treatment throughout**) and the quality controls, enable the manufacturing of wear-and-breakage excellent resistance parts.

The analysis of the steels used are the following ones:

	C	Mn	Cr	Si	Mo	B	P	S	Al	Ti	Cu	Ni
08-B	0,3	1	1,8	1,6	0,2	--	0,02	0,02	--	--	--	--
08-C	0,3	1,2	1	0,8	0,1	--	0,02	0,02	--	--	--	--
09-B	0,22	1	0,9	0,35	0,35	--	0,02	0,02	--	--	--	--
09-C	0,25	1,2	0,9	0,35	0,30	--	0,02	0,02	--	--	--	--

STEEL 08-B

This steel is used for the production of tips and teeth.

It is a steel with a medium-low Manganese-Chrome-Molibdenum-Silicon Carbon content. This material presents, after the heat-treatment, a resiliency higher than 24J/cm^2 , while the hardness values are included between 48 HRC and 52 HRC.

STEEL 08-C

This steel is used for the production of tips and teeth.

It is a steel with a medium-low Manganese-Chrome-Silicon Carbon content. This material presents, after the heat-treatment, a resiliency higher than 25J/cm^2 , while the hardness values are included between 48 HRC and 51 HRC.

STEEL 09-B

This steel is used for the production of adapters.

It is a steel with a medium-low Manganese-Chrome-Molibdenum Carbon content. This material presents, after the heat-treatment, a resiliency higher than 35J/cm^2 , while the hardness values are included between 40 HRC and 45 HRC.

STEEL 09-C

This steel is used for the production of protectors for buckets.

It is a steel with a medium-low Manganese-Chrome-Molibdenum Carbon content. This material presents, after the heat-treatment, a resiliency higher than 30J/cm^2 , while the hardness values are included between 43 HRC and 48 HRC.