



italricambi S.p.A.



FORGED PARTS

Italicambi produce a wide range of forged parts like:

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

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.

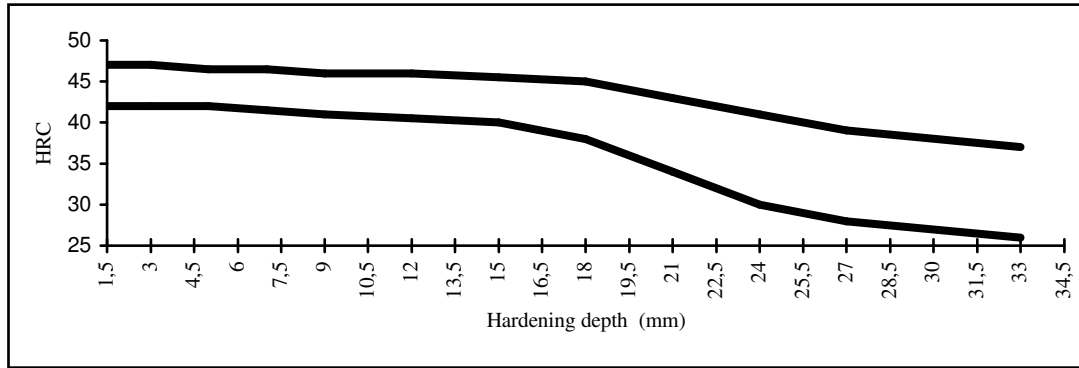
The analysis of the steels used are the following ones:

	C	Mn	Cr	Si	Mo	B	P	S	Al	Ti	Cu	Ni
03-E	0,22	1,2	0,8	0,35	0,08	0,015	0,015	0,015	0,05	0,06	0,3	0,2
05-DS/1	0,34	1,2	1,2	1,6	0,05	0,003	0,015	0,015	0,035	0,06	0,3	0,2
05-DSCR/1	0,35	1,2	1,4	1,6	0,05	0,003	0,015	0,015	0,035	0,06	0,3	0,2

STEEL 03-E

This steel is used for the production of adapters and side parts.

It is a steel with a medium-low Manganese-Chrome-Boron Carbon content. This material presents, after the heat-treatment, a 50-70J/cm² resiliency; the hardness is indicated here below, where the relevant Jominy (HRC) curve is illustrated.

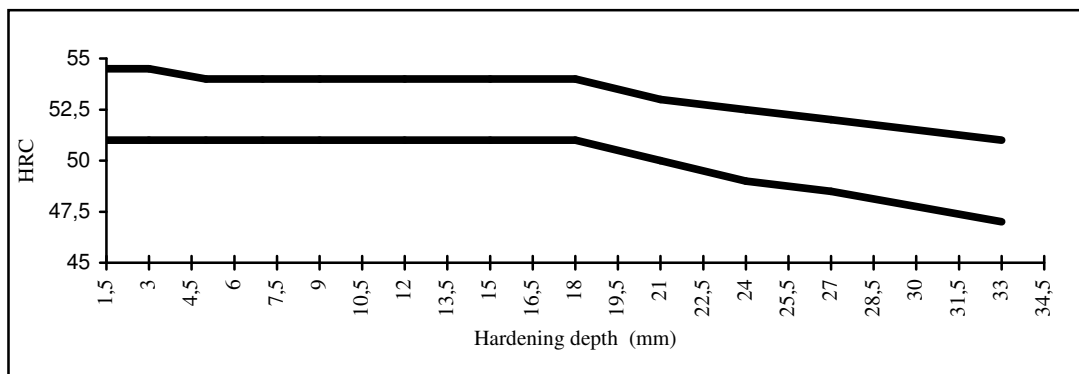


DEPTH [mm]		1,5	3	5	7	9	12	15	18	21	24	27	33
HARDNESS [HRC]	min.	42	42	42	41,5	41	40,5	40	38	34	30	28	26
	max.	47	47	46,5	46,5	46	46	45,5	45	43	41	39	37

STEEL 05-DS/1

This steel is used for the production of tips.

It is a steel with a medium-low Manganese-Chrome-Silicon-Boron Carbon content. This material presents, after the heat-treatment, a 40-60J/cm² resiliency; the hardness is indicated here below, where the relevant Jominy (HRC) curve is illustrated.

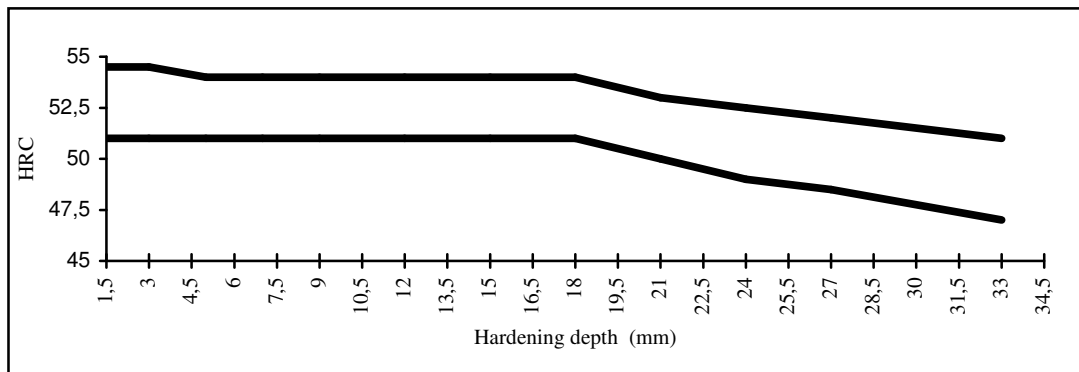


DEPTH [mm]		1,5	3	5	7	9	12	15	18	21	24	27	33
HARDNESS [HRC]	min.	51	51	51	51	51	51	51	51	50	49	48,5	47
	max.	54,5	54,5	54	54	54	54	54	54	53	52,5	52	51

STEEL 05-DSCR/1

This steel is used for the production of *tips*.

It is a steel with a medium-low Manganese-Chrome-Silicon-Boron Carbon content. This material presents, after the heat-treatment, a 40-60J/cm² resiliency; the hardness is indicated here below, where the relevant Jominy (HRC) curve is illustrated.



DEPTH [mm]		1,5	3	5	7	9	12	15	18	21	24	27	33
HARDNESS [HRC]	min.	51	51	51	51	51	51	51	51	50	49	48,5	47
	max.	54,5	54,5	54	54	54	54	54	54	53	52,5	52	51