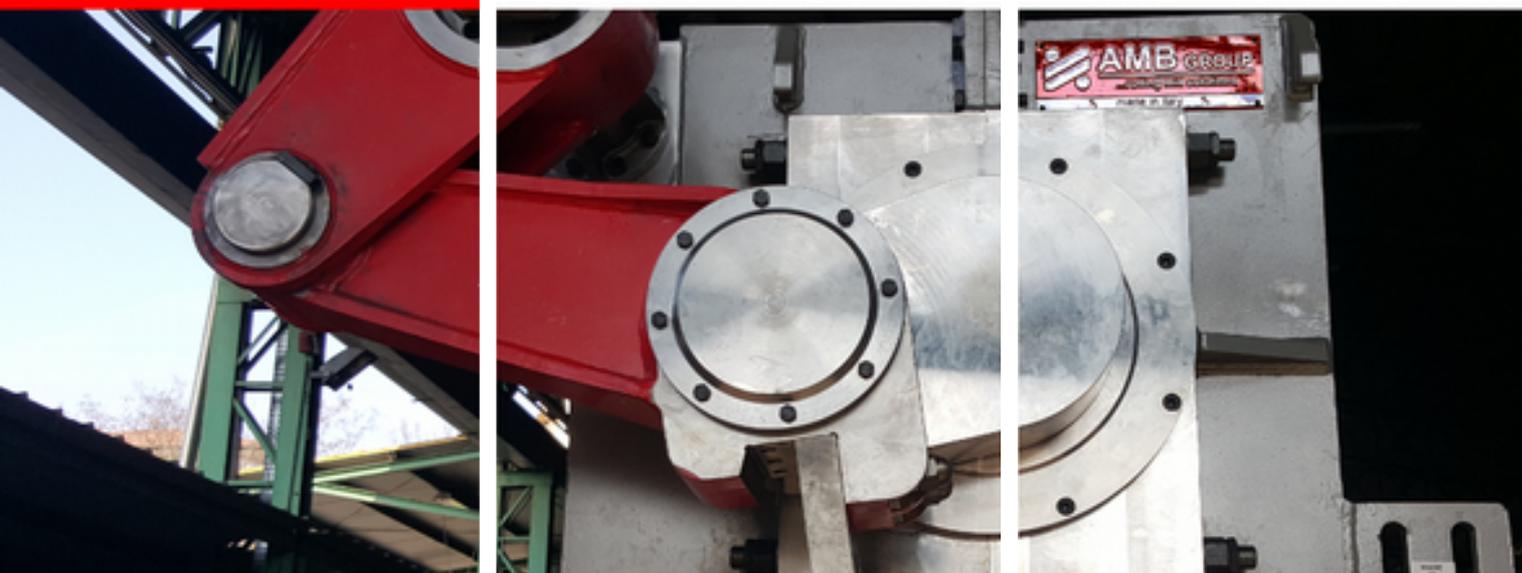


The right partner
for the best
rolling solution

Dividing Shears



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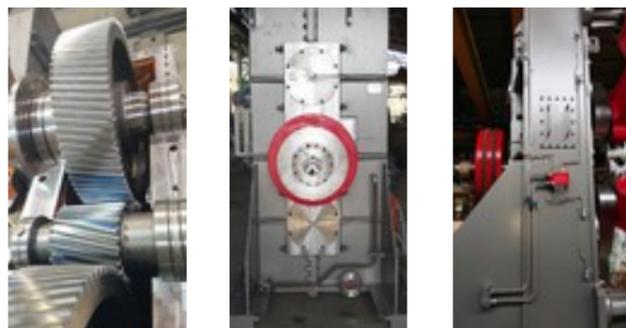
Shear purpose

The Machine to be installed in existing plant has been calculated and designed to carry out the operations of dividing the rolled stock in multiple of commercial length, before sending them in cooling bed.

The rolled stock, coming from the rolling train and quenched in line passing into thermo processing water box, arrives to the Shear at 550° C.

The Machine cuts the rolled stock (min dia. 32 and max dia. 60) in lengths accepted in cooling bed.

The Machine starts and stops at each cut.



- Gears assembly and checking
- Rear view
- Side View



Shears data

The Machine is designed and manufactured according to the following data:

Type		DCS-75	DCS-F50
Machine		Start Stop Dividing Shear	Start Stop Dividing Shear
Cutting Mode		Crack only	Crank + Rotary
Cutting force	kN	1060	588
Cutting section	mm ²	2900 max. (ø60mm)	2000 max. (ø50mm)
Cutting temperature	°C	550 min	500 min
Cutting sizes	mm	32,40,60 (quenched rebar)	8 up to 40 (ø50mm @ 800°C)
Steel grade		230 REG, 500B, 550 REG	230 REG, 500B, 550 REG
Cutting radius	mm	280	500 rotary 240 crank
Bar linear cutting speed	m/s	1.2 (ø 60mm) 5.5 (ø 32mm)	1.5 (ø 50mm) 15 (ø 8mm)
Shear lead speed	%	15	15
Cutting accuracy	mm	± 30	± 30
Service factor		≈ 2.2	≈ 2.2
Internal gear ratio		1:3,4	1:1,5
Number of knives		1 pair	1 pair
Type of knife		Shaped	Shaped
Motor type		A.C./D.C.	A.C./D.C.

Scan this QR code to view the DCS-75 working on the plant.





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