















Cold Bending Best

- This test is conducted to test the materials ductility
- The test is conducted to test the ability of the material to be shaped by bending without failure of forming a weak spot at the bens
- This test is an accept / reject test
- Specimens the do not fail are accepted while those who fail the test are rejected



Cold Bending Test

Diameter of bend according to Egyptian code for Reinforced concrete design

Type of Steel	Diameter of Bar	Diameter of Bend
Smooth	$d \le 16 \text{ mm}$	3d
	$16 < d \ge 22mm$	6d
	d > 22 mm	To be determined by manufacturer
Ribbed	$d \le 16 \text{ mm}$	5d
	$16 < d \ge 25mm$	8d
	$25 < d \ge 50 \text{ mm}$	10d
	d > 50 mm	To be determined by manufacturer
		manufacturer











