

## Docol 440DP

### General Product Description

Docol 440DP dual-phase steel possesses good formability and weldability and is suitable for car safety components such as reinforcements.

#### Dimension range

Docol CR265Y440T-DP / UC: thickness 0.50-2.10 mm, width up to 1527 mm, length up to 8500 mm.

Slitting to narrow coils and cutting to sheets are available upon request.

### Mechanical Properties

Steelgrade	Thickness (mm)	Coating	Yield strength $R_{p0.2}$ (MPa)	Tensile strength $R_m$ (MPa)	Elongation $A_{50}$ (%)	Min. inner bending radius for 90 °
Docol CR265Y 440T-DP	0.50- 0.79	UC	285- 390	440- 530	27-39	0.0xt
Docol CR265Y 440T-DP	0.80- 0.99	UC	275- 380	440- 530	28-40	0.0xt
Docol CR265Y 440T-DP	1.0- 1.19	UC	265- 370	440- 530	29-41	0.0xt
Docol CR265Y 440T-DP	1.2- 1.59	UC	265- 370	440- 530	30-42	0.0xt
Docol CR265Y 440T-DP	1.6- 2.1	UC	265- 370	440- 530	31-	0.0xt

The mechanical properties are tested transverse to the direction of rolling.

### Chemical Composition

C (max %)	Si (max %)	Mn (max %)	P (max %)	S (max %)	Al (min %)	Nb+Ti (max %)
0.10	0.50	1.00	0.025	0.015	0.015	0.10

### Tolerances

Cold-rolled (UC): Tolerances in accordance to EN10131.

Customized dimensional and shape tolerances are available on request.

### Coatings and surface treatments

#### Surface treatments

All surface treatments are in accordance with RoHS directive (2011/65/EU) and do not contain Chromium VI (Cr6+). Surface treatments provide only temporary surface protection during transportation and storage. In order to avoid corrosion damages, care must be taken to keep the products dry during transportation and storage. If they become wet, they must be separated and situated so that they are dried quickly.

Surface coating	Available surface treatment
UC (Cold-rolled)	Oiled
UC (Cold-rolled)	Unprotected

### Delivery Conditions

Cold rolled, annealed condition.

## Fabrication and Other Recommendations

For information concerning welding and fabrication, see SSAB's brochures on [www.ssab.com](http://www.ssab.com) or consult Tech Support, [techsupport@ssab.com](mailto:techsupport@ssab.com). Appropriate health and safety precautions must be taken when welding, cutting, grinding or otherwise working on the product.

## Contact Information

[www.ssab.com/contact](http://www.ssab.com/contact)