



NEW
from iwis

High-hardness steel flat top chains

Challenge: There are a number of reasons for the high wear rates of standard-hardness C45 steel chains used in special applications: harsh ambient conditions e.g. contamination, problematic conveyed goods (such as steel or cast-iron components with extreme hardness, a rough surface or edges) and dusty environments.

Our solution: the addition of two hardened versions to our range of flat top chains significantly reduces wear rates. Our high-hardness steel flat top chains offer **better corrosion resistance** in comparison to standard C45 chains, while their longer service life **reduces maintenance costs**. We use a special hardening process which enables us to achieve **higher tensile strength** values, depending on chain type. The new chains are available in many different geometries – and at attractive prices.



Chain material	S = hardened special steel FS = special case-hardened steel
Plate thickness	3,1 mm
Pin diameter	6,35 mm
min. curve radius	500 mm / 18 inch 190 mm (BO)
Standard length	80 Pitches (10 feet – 3,048 m)

i For more information on chain dimensions and sprockets, please refer to our catalogue for **flat top chains and accessories** at iwis.com.



Designation	Material	Width		Weight		Back-bend radius
		mm	inch	Kg/m	lb/ft	
S815 K250*	Steel / 42 HRC	63,5	2 1/2	2,181	1,46	150
S815 K325	Steel / 42 HRC	82,5	3 1/4	2,65	1,78	150
S815 K350	Steel / 42 HRC	88,9	3 1/2	2,7	1,81	150
S815 K400	Steel / 42 HRC	101,6	4	3,2	2,15	150
S815 K450	Steel / 42 HRC	114,3	4 1/2	3,4	2,28	150
S815 K600*	Steel / 42 HRC	152,4	6	4,4	2,96	150
S815 K750*	Steel / 42 HRC	190,5	7 1/2	5,1	3,43	150
FS815 K250*	Steel / 56HRC	63,5	2 1/2	2,181	1,46	150
FS815 K325	Steel / 56HRC	82,5	3 1/4	2,65	1,78	150
FS815 K350	Steel / 56HRC	88,9	3 1/2	2,7	1,81	150
FS815 K400*	Steel / 56HRC	101,6	4	3,2	2,15	150
FS815 K450	Steel / 56HRC	114,3	4 1/2	3,4	2,28	150
FS815 K600	Steel / 56HRC	152,4	6	4,4	2,96	150
FS815 K750	Steel / 56HRC	190,5	7 1/2	5,1	3,43	150
S815 K197	Steel / 42 HRC	50,0	2	1,6	1,08	90
FS815 K197	Steel / 56HRC	50,0	1,97	1,6	1,08	90
S815 K125*	Steel / 42 HRC	31,8	1 1/4	1,1	0,74	75
S815 K175*	Steel / 42 HRC	44,5	1 3/4	1,3	0,87	75
FS815 K125*	Steel / 56HRC	31,8	1 1/4	1,1	0,74	75
FS815 K175	Steel / 56HRC	44,5	1 3/4	1,3	0,87	75
S800 K750	Steel / 42 HRC	190,5	7 1/2	5,8	3,9	150
FS800 K750	Steel / 56HRC	190,5	7 1/2	5,8	3,9	150
S8810 K325 TAB BO	Steel / 42 HRC	82,5	3 1/4	3	2,02	80
FS8810 K325 TAB BO	Steel / 56HRC	82,5	3 1/4	3	2,02	80

* Require a minimum order quantity.

Comparison of surface hardness of various steel flat top chains

