

Hot Finished Hollow Sections Comparable Specifications

Compared by tensile and Charpy V-notch impacts

Specification	Grade	Tensile strength	Yield strength minimum	Charpy V-Notch Impact Values*	
		N/mm ²	N/mm ²	Joules	°C
EN 10210	S275J0H	430 - 580	275	27	0
BS 4360	43C	430 - 580	275	27	0
ISO 630	Fe430C	430 - 530	275	27	0
DIN 17100	St44 - 2	410 - 540	275	27	+20
DIN 17100	St44 - 3	410 - 540	275	27	0
EURONORM 25	Fe430C	430 - 510	275	28	0
SIS 14 14 12	-	430 - 540	270	-	-
UNI 7806	Fe430C	430 min.	275	28	0
NBN A21-101	AE255C	410 - 490	255	27	0
ONORM M3116	St430C	430 - 540	275	27	0
ASTM A36	-	400 - 550	250	-	-
ASTM A501	-	400 min.	250	-	-
NFA49-501	E-26/3	370 - 510	255	27	0
JIS G 3466	STKR41	402 min.	245 min.	-	-
EN 10210	S275J2H	430 - 580	275	27	-20
BS 4360	43D	430 - 580	275	27	-20
ISO 630	Fe430D	430 - 530	275	27	-20
DIN 17100	St44 - 3N	410 - 540	275	27	-20
EURONORM 25	Fe430D	430 - 510	275	28	-20
UNI 7806	Fe430D	430 min.	275	28	-20
NBN A21-101	AE255D	410 - 490	255	27	-20
ONORM M3116	St430D	430 - 540	275	27	-20
NFA49-501	E-26/4	370 - 510	255	27	-20
EN 10210	S275NL	370 - 510	275	27	-50
BS 4360	43 EE	430 - 580	275	27	-50
EN 10210	S355J0H	510 - 680	355	27	0
BS 4360	50C	490 - 640	355	27	0
ISO 630	Fe510C	490 - 630	355	27	0
DIN 17100	St52 - 3	490 - 630	355	27	0
EURONORM 25	Fe510C	510 - 610	355	28	0
SIS 14 21 32	-	510 min.	350	-	-
UNI 7806	Fe510C	510 min.	355	27	0
NBN A21-101	AE355C	510 - 610	355	27	0
ONORM M3116	St510C	510 - 630	355	27	0
NFA49-501	E-36/3	470 - 610	355	28	0
ASTM A618	-	450 min.	345	-	-
JIS G 3466	STKR50	490 min.	324 min.	-	-

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Specification	Grade	Tensile strength	Yield strength minimum	Charpy V-Notch Impact Values*	
		N/mm ²	N/mm ²	Joules	°C
EN 10210	S355J2H	510 - 680	355	27	-20
BS 4360	50D	490 - 640	355	27	-20
ISO 630	Fe510D	490 - 630	355	27	-20
DIN 17100	St52 - 3N	490 - 630	355	27	-20
EURONORM 25	Fe510D	510 - 610	355	28	-20
SIS 14 21 34	-	470 - 630	350	27	-20
UNI 7806	Fe510D	510 min.	355	27	-20
ONORM M3116	St510D	510 - 630	355	27	-20
EN 10210	S355NL	470 - 630	355	27	-50
BS 4360	50EE	490 - 640	355	27	-50
NBN A21 - 101	AE355D	510 - 610	355	40	-20
NF A49-501	E-36/4	470 - 610	355	40	-20
NORSEC 360	--	490 - 630	360	100	-20
				50	-60
EN 10210	S460N	550 - 720	460	40	-20
BS 4360	55C	550 - 700	450	27	0

