

Original

MILL TEST CERTIFICATE 3.1 / EN10204			ISO 9001:2008 KYS ISO 27001:2013 BGYS	
ISO DÖK. NO	ISO DÖK. YAYIN TARİHİ	ISO DÖK. REVİZYON TARİHİ	ISO DÖK. REVİZYON NO	SFY
DTMFRM 09 CPR-4288/04	1 07 2006 CE 0620-Kiwa N.V.	6 03 2015	01	1/1

NAME AND ADDRESS OF THE EXPORTER:
RAM DEMİR ÇELİK SANAYİ VE TİCARET LTD. STI., ÖZKUL ÇOLAK CAD EFE PREMIUM C BLOK NO: 83/9 PAYAS / HATAY, TURKEY

PRODUCED HOT ROLED STEEL EQUAL ANGLES, FLAT, ROUND AND SQUARE
BARS AS PER ASTM A36. LENGTH (FT): 20
THE MATERIAL TO BE IN ACCORDANCE WITH ASTM A36 AND SHOWING CHEMICAL COMPOSITION, PHYSICAL PROPERTIES
AND HEAT NUMBER(S).

EQUAL ANGLES:

SIZE (MM)	HEAT NO.	CHEMICAL COMPOSITION				
		%C	%Mn	%S	%P	%Si
3/4"X3/4"X1/8"	2108874	0,14	0,42	0,020	0,005	0,21

MECHANICAL PROPERTIES			
YIELD N/mm2	TENSILE STRENGTH N/mm2	ELONGATION %	BEND TEST
301	437	33	OK

SQUARE BARS:

SIZE (MM)	HEAT NO.	CHEMICAL COMPOSITION				
		%C	%Mn	%S	%P	%Si
1/4"X1/4"	220719	0,16	0,54	0,028	0,012	0,16
3/8"X3/8"	2108874	0,14	0,42	0,020	0,005	0,21

MECHANICAL PROPERTIES			
YIELD N/mm2	TENSILE STRENGTH N/mm2	ELONGATION %	BEND TEST
328	468	29	OK
312	447	32	OK

ROUND BARS:

SIZE (MM)	HEAT NO.	CHEMICAL COMPOSITION				
		%C	%Mn	%S	%P	%Si
1/4"	220719	0,16	0,54	0,028	0,012	0,16
5/16"	2108335	0,18	0,56	0,042	0,023	0,12
3/8"	2108896	0,19	0,59	0,033	0,017	0,14

MECHANICAL PROPERTIES			
YIELD N/mm2	TENSILE STRENGTH N/mm2	ELONGATION %	BEND TEST
338	477	30	OK
379	510	28	OK
352	474	33	OK

FLAT BARS:

SIZE (MM)	HEAT NO.	CHEMICAL COMPOSITION				
		%C	%Mn	%S	%P	%Si
1/2"X1/8"	220719	0,16	0,54	0,028	0,012	0,16
1/2"X3/16"	2108336	0,17	0,56	0,023	0,015	0,13
1/2"X1/4"	2109336	0,17	0,58	0,023	0,015	0,13
3/4"X1/8"	2108893	0,20	0,58	0,016	0,039	0,25
3/4"X3/16"	2108893	0,20	0,58	0,016	0,039	0,25
3/4"X1/4"	2108891	0,18	0,58	0,032	0,008	0,18
1"X1/4"	2108888	0,19	0,53	0,035	0,017	0,08

MECHANICAL PROPERTIES			
YIELD N/mm2	TENSILE STRENGTH N/mm2	ELONGATION %	BEND TEST
344	471	31	OK
393	468	35	OK
364	467	33	OK
385	484	30	OK
347	447	35	OK
351	503	28	OK
375	513	33	OK

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