

Table 1. List of Values for Parameters EXTENSION & COMPESSION SPRING

ME 308

MACHINE ELEMENTS II 2023-2024 FIRST PROJECT EXTENSION & COMPESSION SPRING (DT)

NO	SURNAME, NAME	Min. Load (kg)	Max. Load (kg)	θ Angle (°)	R	n	Na min	D Washer (mm)	d Rod (mm)	y max (mm)	Spring Material	Springs are
1	AKBALIK RAHİME	5	65	30	90	2,5	5	45	8	15	Oil tempered wire	peened
2	AKDOĞAN İLAYDA	7	60	45	95	2	4	50	10	18	Hard drawn wire	unpeened
3	AKIL ÖMER	11	80	40	99	2,25	6	55	12	18	Chrome vanadium	peened
4	AKIN BURAK	9	70	45	99,9	2,5	5	60	16	15	Oil tempered wire	peened
5	AKKURT YUNUS EMRE	5	75	30	99,99	2,75	4	70	14	21	Hard drawn wire	peened
6	ALAHMAR TAHER (FF)	9	80	30	90	3	5	50	10	21	Chrome vanadium	peened
7	ALTINÖZ TUĞÇE (FF)	7	60	40	95	2,5	4	45	12	15	Chrome vanadium	peened
8	ARSLAN KAYAHAN (FF)	11	70	45	99	2	5	55	16	18	Oil tempered wire	unpeened
9	ASLAN ABDULAZİZ (FF)	11	65	30	99,9	2,25	5	60	14	18	Hard drawn wire	peened
10	AVCI SADIK BURAK	5	75	45	99,99	2,5	4	50	12	15	Oil tempered wire	peened
11	AYHAM Z. F. ASRAWI AYHAM Z. F. ASRAWI (FF)	7	80	40	90	2,75	6	70	14	21	Hard drawn wire	unpeened
12	BALOĞLU MEHMET ŞÜKRÜ (FD)	9	65	45	95	3	7	45	10	21	Chrome vanadium	unpeened
13	BAZ MUHAMMED ESAD	5	65	30	99	2,5	5	50	10	15	Oil tempered wire	peened
14	BİÇER ERDEM	7	60	30	99,9	2	7	55	8	18	Hard drawn wire	unpeened
15	BİLECE YUNUS	11	80	40	99,99	2,25	6	60	10	18	Chrome vanadium	unpeened
16	BİLGİ SAMET	9	70	45	99,9	2,5	6	70	12	15	Chrome vanadium	unpeened
17	BOYALI ALİ ALTUĞ	5	75	30	99,99	2,75	7	50	16	21	Oil tempered wire	unpeened
18	BUĞDAYCI CAFER (FF)	9	80	45	90	3	7	45	14	21	Hard drawn wire	unpeened
19	CESUR YUNUS EMRE (FF)	7	60	40	95	2,5	5	55	10	15	Oil tempered wire	unpeened
20	ÇALIŞ AHMET BURAK	11	70	45	99	2	4	60	12	18	Hard drawn wire	unpeened
21	ÇAM DİLARA	11	65	30	99,9	2,25	6	50	16	18	Chrome vanadium	unpeened
22	ÇELEBİ TALAT	5	75	30	99,99	2,5	4	70	14	15	Oil tempered wire	unpeened
23	ÇELİK GÖRKEM (FF)	9	80	40	90	2,75	4	45	12	21	Hard drawn wire	unpeened
24	ÇETİN YUNUS EMRE (FF)	7	65	45	95	3	6	50	14	15	Chrome vanadium	unpeened
25	ÇETİN MEHMET ŞAH (FF)	11	70	30	99	2,5	6	55	10	18	Chrome vanadium	unpeened
26	DURMUŞ GÖKHAN	11	75	45	99,9	2	4	60	10	18	Oil tempered wire	unpeened
27	EDE FATMA	5	80	40	99,99	2,25	7	70	12	15	Hard drawn wire	unpeened
28	EKİCİ HAKAN BURAK	7	60	45	99	2,5	6	50	16	21	Oil tempered wire	unpeened
29	EKİNCİ SELMAN	9	70	30	99,9	2,75	4	45	14	21	Hard drawn wire	unpeened
30	ELBASTAWISI FATHI FOUAD ELDESOUKI	5	65	30	99,99	3	4	55	10	15	Chrome vanadium	unpeened
31	ELMACI TUANA	7	75	40	90	2,5	5	60	12	18	Oil tempered wire	peened
32	ER MUSTAFA	11	80	30	95	2,75	4	50	16	18	Hard drawn wire	unpeened
33	ERATILGAN TULAY	9	65	45	99	3	4	70	14	15	Chrome vanadium	peened

34	ERAZ CAFER DENİZ	5	65	40	99,9	2,5	5	45	12	21	Chrome vanadium	unpeened
35	EREN HAKAN (FF)	9	60	45	99,99	2	4	50	14	21	Oil tempered wire	peened
36	ERGİN HÜSEYİN YAĞIZ (FF)	7	80	30	90	2,25	7	55	10	15	Hard drawn wire	unpeened
37	ERKİLİNÇ İBRAHİM HALİL	11	70	30	95	2,5	7	60	10	18	Oil tempered wire	peened
38	ERTUNÇ YUSUF	11	75	40	99	2,75	7	70	8	18	Hard drawn wire	unpeened
39	ESKİCİOĞLU MÜCAHİD (FD)	5	80	45	99,9	3	6	50	10	15	Chrome vanadium	peened
40	EZDEŞİR ZAFER	5	60	30	99,99	2,5	4	45	12	21	Oil tempered wire	unpeened
41	GEDİK SELVA (FF)	7	70	45	90	2	5	55	16	21	Hard drawn wire	peened
42	GELİNCİK BERKAN (FD)	9	60	40	95	2,25	6	60	14	15	Chrome vanadium	unpeened
43	GÖKÇEPİNAR YUSUF	5	70	45	99	2,5	5	50	10	18	Chrome vanadium	peened
44	GÜBEN BUĞRAHAN	7	65	30	99,9	2,75	7	70	12	18	Oil tempered wire	unpeened
45	GÜNAYDIN FERİT (FF)	11	75	30	99,99	3	7	50	16	15	Hard drawn wire	peened
46	GÜRBÜZ MEHMET İSLAM (FF)	9	80	40	90	2,5	6	55	14	21	Oil tempered wire	unpeened
47	GÜRSOYLU MEHMET	5	65	45	95	2,75	6	60	12	15	Hard drawn wire	peened
48	HACİÖMEROĞLU AHMET	9	65	30	99	3	6	70	14	18	Chrome vanadium	unpeened
49	HAMADE AHMAD	7	60	45	99,9	2,5	4	50	10	18	Oil tempered wire	peened
50	HAYDAROĞLU MELİKE DAMLA	11	80	40	99,99	2	5	45	12	15	Hard drawn wire	unpeened
51	HERGÜNER BERKAY (FD)	11	70	45	99,99	2,25	7	55	16	21	Chrome vanadium	peened
52	HOPLAMAZ ALİ	5	75	30	90	2,5	6	60	14	21	Chrome vanadium	unpeened
53	HUYLUOĞLU MEHMET ALİ	9	80	30	95	2,75	6	50	12	15	Oil tempered wire	unpeened
54	İŞİK ALPEREN	7	60	40	99	3	5	70	14	18	Hard drawn wire	unpeened
55	İŞİK YUSUF EMİR (FF)	11	70	45	99,9	2,5	7	45	10	18	Oil tempered wire	unpeened
56	İBİLİ CEM BERKE	11	65	30	99,99	2	5	50	10	15	Hard drawn wire	unpeened
57	İNANÇ FEYYAZ (FF)	5	75	45	90	2,25	7	55	8	21	Chrome vanadium	unpeened
58	İŞCAN SENA	7	80	40	95	2,5	7	60	10	21	Oil tempered wire	peened
59	İŞÇİOĞLU MEHMET	9	65	45	99	2,75	7	70	12	15	Hard drawn wire	unpeened
60	KARACA MUHAMMET FATİH	5	70	30	99,9	3	4	50	16	18	Chrome vanadium	peened
61	KARADEMİR ŞURA	7	75	30	99,99	2	5	45	14	18	Chrome vanadium	unpeened
62	KAREM MOHAMED MOHAMED BAHAAELDIN HASSAN	11	80	30	99	2,25	4	55	10	15	Oil tempered wire	peened
63	KAWAYA GAUTHIER	9	60	40	99,9	2,5	7	60	12	21	Hard drawn wire	unpeened
64	KAYA MEHMET FATİH (FF)	5	70	45	99,99	2,75	6	50	16	21	Oil tempered wire	peened
65	KAYA ERDEM ONUR	9	65	30	90	3	5	70	14	15	Hard drawn wire	unpeened
66	KAYIHAN AYKUT (FF)	7	75	45	95	2,5	5	45	12	18	Chrome vanadium	peened
67	KILINÇ LÜTFİ	11	80	40	99	2,75	7	50	14	18	Oil tempered wire	unpeened
68	KINACILAR ARİF BERKAY	11	65	45	99,9	3	5	55	10	15	Hard drawn wire	peened
69	KIRBIYIK MEHMET ASIM	5	75	30	99,99	2,5	7	60	10	21	Chrome vanadium	unpeened
70	KOÇER TURAN (FD)	7	80	30	90	2,75	6	70	12	15	Chrome vanadium	peened
71	KOLCU KUTAY	11	60	40	95	3	6	50	16	18	Oil tempered wire	unpeened
72	KÖSELER MUHAMMED ENES	11	70	45	99	2,5	6	45	14	18	Hard drawn wire	unpeened

73	KUYRUK MELİH UĞUR	5	65	30	99,9	2,75	6	55	10	15	Oil tempered wire	unpeened
74	MOHAMED KHALED ABDULRAHİM YOUNES ALI	7	75	45	99,99	3	7	60	12	21	Hard drawn wire	unpeened
75	MUSTAFA MUHAMMED	9	80	40	90	2,25	7	50	16	21	Chrome vanadium	peened
76	OTHMAN ALİ (FD)	5	65	45	90	2,5	5	70	14	15	Oil tempered wire	unpeened
77	ÖZ SEVBAN BİLAL	7	65	30	95	2,75	7	45	12	18	Hard drawn wire	peened
78	ÖZCAN SERCAN	11	60	30	99	3	4	50	14	18	Chrome vanadium	unpeened
79	ÖZCAN DİLARA	9	80	40	99,9	2,5	5	55	10	15	Chrome vanadium	peened
80	ÖZDEMİR MURAT	5	70	30	99,99	2,25	7	60	10	21	Oil tempered wire	unpeened
81	ÖZDEMİR SELAMİ (FF)	9	75	45	90	2,5	6	70	8	21	Hard drawn wire	peened
82	ÖZGÜR ABDULLAH YAVUZ	7	80	40	95	2,75	5	50	10	15	Oil tempered wire	unpeened
83	ÖZMADEN YUSUF ARDA (FF)	11	60	45	99	3	5	45	12	18	Hard drawn wire	peened
84	ÖZTÜRK HALİL İBRAHİM (FD)	11	70	30	99,9	2,5	7	55	16	18	Chrome vanadium	unpeened
85	PALA FURKAN	5	65	30	99,99	2,75	4	60	14	15	Oil tempered wire	peened
86	PİR FURKAN	5	75	40	90	3	6	50	10	21	Hard drawn wire	unpeened
87	POLAT EROL	7	80	45	95	2,5	6	60	12	21	Chrome vanadium	unpeened
88	POLAT YILDIRIM ATAKAN (FF)	9	65	30	99	2,75	5	50	16	15	Chrome vanadium	unpeened
89	SARIBAŞ BETÜL	5	70	45	99,9	3	4	70	14	18	Oil tempered wire	unpeened
90	SAYAN SERKAN	7	75	40	99,99	2,25	5	45	12	18	Hard drawn wire	unpeened
91	SEL AKIN	11	80	45	90	2,5	5	50	14	15	Oil tempered wire	peened
92	SUNGUR ARDA	9	60	30	95	2,75	6	55	10	21	Hard drawn wire	unpeened
93	ŞAHİN ABDÜLKADİR	5	70	30	99	3	5	60	14	15	Chrome vanadium	peened
94	ŞAHİN MEHMET ALPER	9	65	40	99,9	2,5	7	70	10	21	Oil tempered wire	unpeened
95	ŞEN SAMET (NA)	7	75	45	99,9	2,75	5	50	12	21	Hard drawn wire	peened
96	TALAYHAN OGÜN	11	80	30	99,99	3	6	45	16	15	Chrome vanadium	peened
97	TOKER MUSA (FF)	11	65	40	90	2	6	55	14	18	Chrome vanadium	peened
98	TOMA ALİ CAN	5	65	45	95	2,25	5	60	12	18	Oil tempered wire	peened
99	TONKAZ SAĞRE BUSE	9	60	30	99	2,5	4	50	14	15	Hard drawn wire	peened
100	TOPALBEKİROĞLU HANDE HURİ (FF)	7	80	30	99,9	2,75	4	70	10	21	Oil tempered wire	unpeened
101	TOPRAK SERVET	11	70	40	99,99	3	5	45	10	21	Hard drawn wire	peened
102	TOPRAKCI EREN (FF)	11	75	45	99,9	2,5	6	50	8	15	Chrome vanadium	peened
103	TUNA ALPER	5	80	30	99,99	2,75	5	55	10	18	Oil tempered wire	peened
104	TUNÇEKİN MEMET (FD)	7	60	45	90	3	4	60	12	18	Hard drawn wire	peened
105	TURGUT MÜCAHİT TALHA	11	70	40	95	2	6	70	14	15	Chrome vanadium	peened
106	TÜRKOĞLU NECATİ SEZER	11	60	45	99	2,25	6	45	12	21	Chrome vanadium	unpeened
107	ULUDAĞ GÜNGÖR CAN	5	80	30	99,9	2,5	6	50	14	21	Oil tempered wire	unpeened
108	YAĞMURLU HÜSEYİN	9	70	30	99,99	2,75	5	55	10	15	Hard drawn wire	unpeened
109	YILMAZ FARUK	7	75	45	90	3	5	60	10	18	Chrome vanadium	unpeened

ME 308
MACHINE ELEMENTS II
2023-2024 FIRST PROJECT EXTENSION & COMPESSION SPRING (ET)

NO	SURNAME, NAME	Min. Load (kg)	Max. Load (kg)	θ Angle (°)	R	n	Na min	D Washer (mm)	d Rod (mm)	y max (mm)	Spring Material	Springs are
1	ABDALLAH SAMEER MOHD BASHEER AL HOMSI	9	65	45	99	2,75	7	70	12	15	Hard drawn wire	unpeened
2	ACIR BERKAY (FF)	5	70	30	99,9	3	4	50	16	18	Chrome vanadium	peened
3	AKARSU ZELİHA (FF)	7	75	30	99,99	2	5	45	14	18	Chrome vanadium	unpeened
4	AKAY BERKAY (FF)	11	80	30	99	2,25	4	55	10	15	Oil tempered wire	peened
5	AKÇAKAYA MEMİK CAN	9	60	40	99,9	2,5	7	60	12	21	Hard drawn wire	unpeened
6	AKDEMİR BUĞRA (FF)	5	70	45	99,99	2,75	6	50	16	21	Oil tempered wire	peened
7	AKDİŞ ÖZNUR (FD)	9	65	30	90	3	5	70	14	15	Hard drawn wire	unpeened
8	AKGÜL MİZGİN (FF)	7	75	45	95	2,5	5	45	12	18	Chrome vanadium	peened
9	AKTOZ ABDULLAH ERAY (FF)	11	80	40	99	2,75	7	50	14	18	Oil tempered wire	unpeened
10	ALI AMR KHALED GAMAL	11	65	45	99,9	3	5	55	10	15	Hard drawn wire	peened
11	APAYDIN EFE	5	75	30	99,99	2,5	7	60	10	21	Chrome vanadium	unpeened
12	ARAS METEHAN (FF)	7	80	30	90	2,75	6	70	12	15	Chrome vanadium	peened
13	ARSLAN EDİZ	11	60	40	95	3	6	50	16	18	Oil tempered wire	unpeened
14	ASLANTAŞ OKAN	11	70	45	99	2,5	6	45	14	18	Hard drawn wire	unpeened
15	AVŞAR SAMET	5	65	30	99,9	2,75	6	55	10	15	Oil tempered wire	unpeened
16	AY HÜSEYİN CAN	7	75	45	99,99	3	7	60	12	21	Hard drawn wire	unpeened
17	AY SERHAT	9	80	40	90	2,25	7	50	16	21	Chrome vanadium	peened
18	AYDENİZ DELİL	5	65	45	90	2,5	5	70	14	15	Oil tempered wire	unpeened
19	AYDIN ATAKAN (FF)	7	65	30	95	2,75	7	45	12	18	Hard drawn wire	peened
20	AYKANAT KAAAN DAVUT	11	60	30	99	3	4	50	14	18	Chrome vanadium	unpeened
21	BAĞÇIVAN EREN ALP	9	80	40	99,9	2,5	5	55	10	15	Chrome vanadium	peened
22	BALCI HÜSEYİN	5	70	30	99,99	2,25	7	60	10	21	Oil tempered wire	unpeened
23	BAŞBOĞA HAKAN	9	75	45	90	2,5	6	70	8	21	Hard drawn wire	peened
24	BAYSAL ERSİN (FF)	7	80	40	95	2,75	5	50	10	15	Oil tempered wire	unpeened
25	BESNEK FURKAN	11	60	45	99	3	5	45	12	18	Hard drawn wire	peened
26	BİLEN ALİ CEM	11	70	30	99,9	2,5	7	55	16	18	Chrome vanadium	unpeened
27	BOYAM TOLUNAY (FF)	5	65	30	99,99	2,75	4	60	14	15	Oil tempered wire	peened
28	BÖLÜKBAŞI BATUHAN	5	75	40	90	3	6	50	10	21	Hard drawn wire	unpeened
29	BÜYÜKTEPE YUSUF (FF)	7	80	45	95	2,5	6	60	12	21	Chrome vanadium	unpeened
30	CAN ARİF KEREM	9	65	30	99	2,75	5	50	16	15	Chrome vanadium	unpeened
31	COŞKUN MİHRİCAN	5	70	45	99,9	3	4	70	14	18	Oil tempered wire	unpeened
32	ÇELİK FATİH	7	75	40	99,99	2,25	5	45	12	18	Hard drawn wire	unpeened
33	DAĞCEVİREN ENES	11	80	45	90	2,5	5	50	14	15	Oil tempered wire	peened
34	DAYMAZ BATUHAN	9	60	30	95	2,75	6	55	10	21	Hard drawn wire	unpeened
35	DİNLEYİCİ GÖKŞİN (FD)	5	70	30	99	3	5	60	14	15	Chrome vanadium	peened
36	DOĞAN MEHMET FATİH	9	65	40	99,9	2,5	7	70	10	21	Oil tempered wire	unpeened

37	DOĞAN MEHMET KAAAN (FF)	7	75	45	99,9	2,75	5	50	12	21	Hard drawn wire	peened
38	DURAN ALİ	11	80	30	99,99	3	6	45	16	15	Chrome vanadium	peened
39	ELMAS BAYRAM	11	65	40	90	2	6	55	14	18	Chrome vanadium	peened
40	ERTİT MEHMET ARİF	5	65	45	95	2,25	5	60	12	18	Oil tempered wire	peened
41	ERTOKUŞ ARDA	9	60	30	99	2,5	4	50	14	15	Hard drawn wire	peened
42	ESİMEK UTKU	7	80	30	99,9	2,75	4	70	10	21	Oil tempered wire	unpeened
43	FİLİZ İSMAİL	11	70	40	99,99	3	5	45	10	21	Hard drawn wire	peened
44	GİRGEÇ MUHAMMET OĞUZHAN (FF)	11	75	45	99,9	2,5	6	50	8	15	Chrome vanadium	peened
45	GÖK FURKAN (FF)	5	80	30	99,99	2,75	5	55	10	18	Oil tempered wire	peened
46	GÖKCEN KAZIM (FF)	7	60	45	90	3	4	60	12	18	Hard drawn wire	peened
47	GÖKTAŞ KEMAL (FF)	11	70	40	95	2	6	70	14	15	Chrome vanadium	peened
48	GÖZEL DENİZ	11	60	45	99	2,25	6	45	12	21	Chrome vanadium	unpeened
49	GÜNEŞ KADRİYE İREM (FD)	5	80	30	99,9	2,5	6	50	14	21	Oil tempered wire	unpeened
50	GÜNGÖR MELİH (FF)	9	70	30	99,99	2,75	5	55	10	15	Hard drawn wire	unpeened
51	GÜRBÜZ ÖMER	7	75	45	90	3	5	60	10	18	Chrome vanadium	unpeened
52	İLHAN İLKER MERT (FF)	7	60	45	95	2	4	50	10	18	Hard drawn wire	unpeened
53	İYİSARAÇ KEMAL (FF)	11	80	40	99	2,25	6	55	12	18	Chrome vanadium	peened
54	KAHRAMAN MUHAMMED ALİ	9	70	45	99,9	2,5	5	60	16	15	Oil tempered wire	peened
55	KALE HAKTAN	5	75	30	99,99	2,75	4	70	14	21	Hard drawn wire	peened
56	KALE ATAKAN FATİH (FF)	9	80	30	90	3	5	50	10	21	Chrome vanadium	peened
57	KANLI HASAN BASRİ	7	60	40	95	2,5	4	45	12	15	Chrome vanadium	peened
58	KARA EMRE	11	70	45	99	2	5	55	16	18	Oil tempered wire	unpeened
59	KARAMURTLU MİKAİL	11	65	30	99,9	2,25	5	60	14	18	Hard drawn wire	peened
60	KARTAL MEHMET	5	75	45	99,99	2,5	4	50	12	15	Oil tempered wire	peened
61	KAYA DENİZ (FF)	7	80	40	90	2,75	6	70	14	21	Hard drawn wire	unpeened
62	KAYA NECMETTİN (FF)	9	65	45	95	3	7	45	10	21	Chrome vanadium	unpeened
63	KAYMAZ MUSTAFA BERKAY (FF)	5	65	30	99	2,5	5	50	10	15	Oil tempered wire	peened
64	KIRAÇ NİYAZİ (FD)	7	60	30	99,9	2	7	55	8	18	Hard drawn wire	unpeened
65	KÖKÇÜ METİN FURKAN (FD)	11	80	40	99,99	2,25	6	60	10	18	Chrome vanadium	unpeened
66	KURT MEHMET CAN (FF)	9	70	45	99,9	2,5	6	70	12	15	Chrome vanadium	unpeened
67	MENGİ İBRAHİM	5	75	30	99,99	2,75	7	50	16	21	Oil tempered wire	unpeened
68	MERCAN AHMET BERK	9	80	45	90	3	7	45	14	21	Hard drawn wire	unpeened
69	OCA TAHA	7	60	40	95	2,5	5	55	10	15	Oil tempered wire	unpeened
70	OCAKLI ÖMER	11	70	45	99	2	4	60	12	18	Hard drawn wire	unpeened
71	ONARICI CENK	11	65	30	99,9	2,25	6	50	16	18	Chrome vanadium	unpeened
72	ONUR CENGİZ KIVANÇ	5	75	30	99,99	2,5	4	70	14	15	Oil tempered wire	unpeened
73	ORHAN FATİH	9	80	40	90	2,75	4	45	12	21	Hard drawn wire	unpeened
74	ORULLUOĞLU MUSTAFA	7	65	45	95	3	6	50	14	15	Chrome vanadium	unpeened
75	ÖMEROĞLU KÜRŞAT GÖRKEM	11	70	30	99	2,5	6	55	10	18	Chrome vanadium	unpeened
76	ÖNDER HAKAN (FF)	11	75	45	99,9	2	4	60	10	18	Oil tempered wire	unpeened
77	ÖZATAŞ AHMET ENES	5	80	40	99,99	2,25	7	70	12	15	Hard drawn wire	unpeened

78	ÖZBAY AHMET CEVDET (FD)	7	60	45	99	2,5	6	50	16	21	Oil tempered wire	unpeened
79	ÖZCAN HAKAN (FF)	9	70	30	99,9	2,75	4	45	14	21	Hard drawn wire	unpeened
80	ÖZKAN MUSTAFA	5	65	30	99,99	3	4	55	10	15	Chrome vanadium	unpeened
81	PARLAR HASAN	7	75	40	90	2,5	5	60	12	18	Oil tempered wire	peened
82	SAFADİ ELHASAN	11	80	30	95	2,75	4	50	16	18	Hard drawn wire	unpeened
83	SAY HAMZA (FF)	9	65	45	99	3	4	70	14	15	Chrome vanadium	peened
84	SAYAR UĞURCAN	5	65	40	99,9	2,5	5	45	12	21	Chrome vanadium	unpeened
85	SAYIM YİĞİT (FF)	9	60	45	99,99	2	4	50	14	21	Oil tempered wire	peened
86	SEZGİN ERGÜN	7	80	30	90	2,25	7	55	10	15	Hard drawn wire	unpeened
87	TOPYÜREK ÖZGÜR	11	70	30	95	2,5	7	60	10	18	Oil tempered wire	peened
88	TURGUT KENAN YUSUF (FD)	11	75	40	99	2,75	7	70	8	18	Hard drawn wire	unpeened
89	TÜMER MÜCAHİD ENES (FF)	5	80	45	99,9	3	6	50	10	15	Chrome vanadium	peened
90	TÜRKMEN İSA (FF)	5	60	30	99,99	2,5	4	45	12	21	Oil tempered wire	unpeened
91	UÇAN HALİL İBRAHİM	7	70	45	90	2	5	55	16	21	Hard drawn wire	peened
92	ULUTAŞ KÜBRA (FD)	9	60	40	95	2,25	6	60	14	15	Chrome vanadium	unpeened
93	UYGUR ERAY	5	70	45	99	2,5	5	50	10	18	Chrome vanadium	peened
94	UYĞUR MUHAMMET HAKAN (FF)	7	65	30	99,9	2,75	7	70	12	18	Oil tempered wire	unpeened
95	UZDİLLİ ALPER	11	75	30	99,99	3	7	50	16	15	Hard drawn wire	peened
96	ÜSTÜN EMRE (FF)	9	80	40	90	2,5	6	55	14	21	Oil tempered wire	unpeened
97	ÜZÜMCÜ ENES	5	65	45	95	2,75	6	60	12	15	Hard drawn wire	peened
98	YALÇINKAYA BERKE	9	65	30	99	3	6	70	14	18	Chrome vanadium	unpeened
99	YANIKLAR ÖMER FARUK	7	60	45	99,9	2,5	4	50	10	18	Oil tempered wire	peened
100	YARDIMCI ZEKERİYA TAHİR	11	80	40	99,99	2	5	45	12	15	Hard drawn wire	unpeened
101	YAŞAR MUHAMMED	11	70	40	99,99	3	5	45	10	21	Hard drawn wire	peened
102	YAVUZ TOLGAHAN	11	75	45	99,9	2,5	6	50	8	15	Chrome vanadium	peened
103	YAVUZ MEHMET ONUR	5	80	30	99,99	2,75	5	55	10	18	Oil tempered wire	peened
104	YETER EMRE	7	60	45	90	3	4	60	12	18	Hard drawn wire	peened
105	YILDIRIM DENİZHAN	11	70	40	95	2	6	70	14	15	Chrome vanadium	peened
106	YILDIRIM İBRAHİM	11	60	45	99	2,25	6	45	12	21	Chrome vanadium	unpeened
107	YILDIZ İSMAİL HAKKI (FF)	5	80	30	99,9	2,5	6	50	14	21	Oil tempered wire	unpeened
108	YILMAZ ENES (FF)	9	70	30	99,99	2,75	5	55	10	15	Hard drawn wire	unpeened
109	YİĞİT MUSTAFA YAŞİN (FF)	7	75	45	90	3	5	60	10	18	Chrome vanadium	unpeened
110	YÜNCÜ ABDULLAH CAN (FF)	5	70	30	99	3	5	60	14	15	Chrome vanadium	peened
111	ZÜBARİOĞLU EMRE	9	65	40	99,9	2,5	7	70	10	21	Oil tempered wire	unpeened