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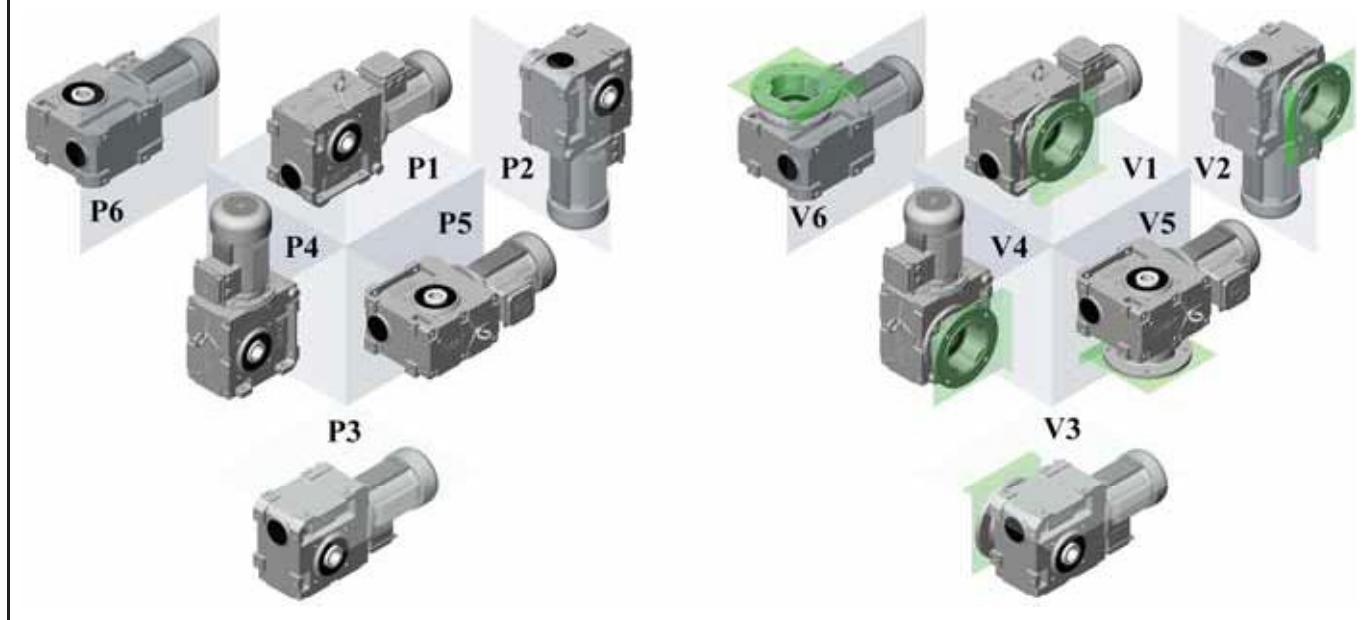
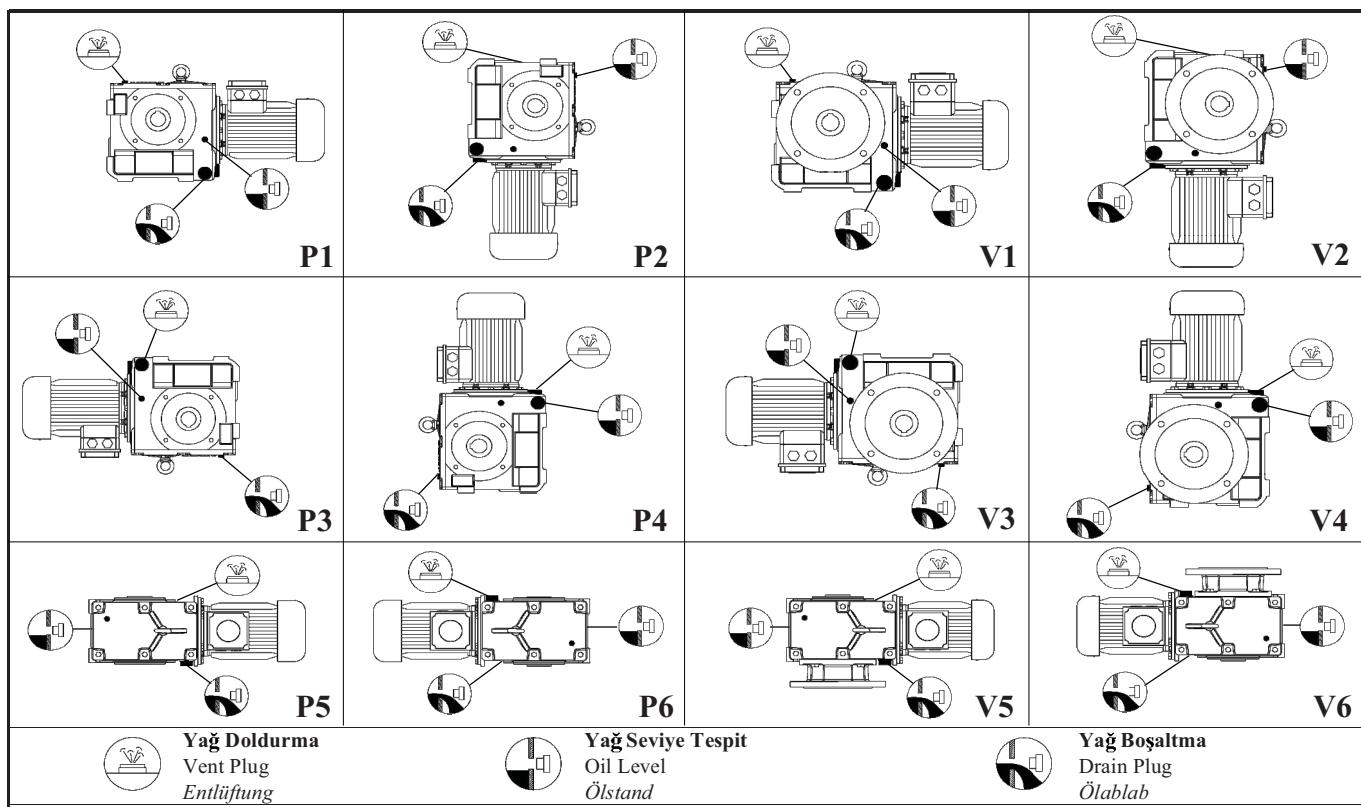
we are producing POWERFUL solutions...



Yağ Tablosu
Lubricant Table
Schmiere Tabelle

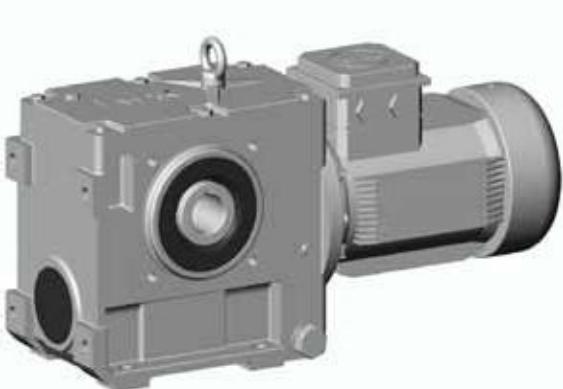
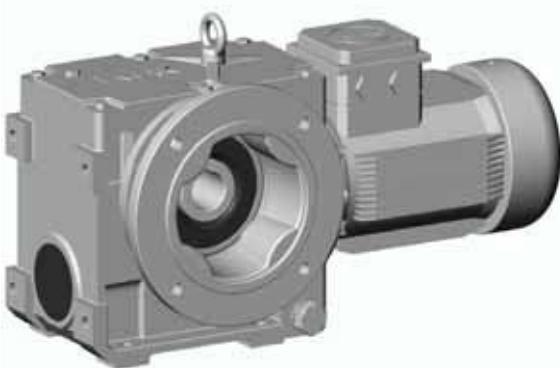
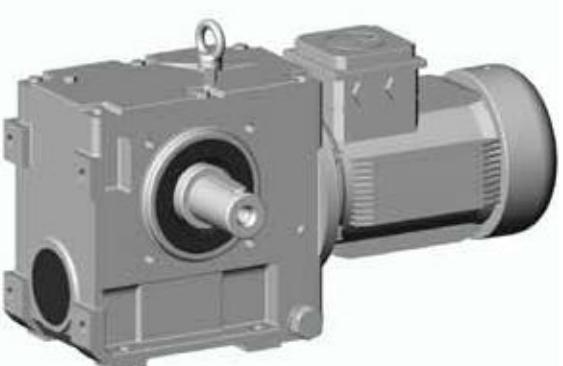
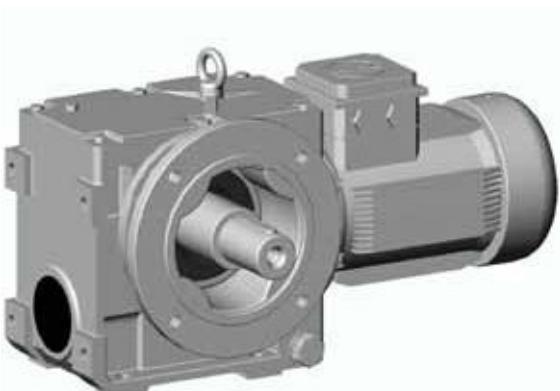
Yağ Cinsi Lubricant <i>Art des Schmierstoffs</i>	ISO Viskozite Sınıfı ISO Viscosity Class <i>Viskositäts Klasse ISO</i>	Kullanım Sıcaklığı Usage Temperature <i>Gebrauchstemperature</i>	Firma Firm <i>Firma</i>						
Mineral Yağ Mineral Oil <i>Minerallöll</i>	ISO VG 320	0.....+100	Degol BG 320	Mobilgear 632	Energol GR-XP320	Omala 320	Belgear M-320-Süper	GEM 1 320	Spartan EP 320
	ISO VG 220	-5.....+100	Degol BG 220	Mobilgear 630	Energol GR-XP220	Omala 220	Belgear M-220-Süper	GEM 1 220	Spartan EP 220
	ISO VG 150	-5.....+100	Degol BG 150	Mobilgear 629	Energol GR-XP150	Omala 150	Belgear M-150-Süper	GEM 1 150	Spartan EP 150
	ISO VG 100	-5.....+100	Degol BG 100	Mobilgear 627	Energol GR-XP100	Omala 100	Belgear M-100-Süper	GEM 1 100	Spartan EP 100
Sentetik Yağ Synthetic Oil <i>Synthetisch Öl</i>	ISO VG 320	-25.....+140	Degol GS 320	Gylgoyle 320	Enersyn SG-XP320			Syntheso D 320 EP	Glycolube 320
	ISO VG 220	-25.....+140	Degol GS 220	Gylgoyle 220	Enersyn SG-XP220	Tivela WB		Syntheso D 220 EP	
	ISO VG 150	-30.....+140	Degol GS 150		Enersyn SG-XP150			Syntheso D 150 EP	
	ISO VG 100	-30.....+140			Enersyn SG-XP100			Syntheso D 100 EP	





TİP Type Typ	Bağlantı Pozisyonları için Yağ Miktarları (litre)											
	Oil Quantities for Mounting Positions (liter)											
	P1	V1	P5	P6	V5	V6	P3	V3	P4	P2	V4	V2
IRSD_M 64	2			1,8			2			1,5		
IRSD_M 81	3			2,5			3			2		
IRSD_M 101	5			4			5			4		
IRSD_M 126	13			12			13			12		
IRSD_M 161	17			16			17			16		



**IRS...M ...****IRSDFM ...****IRS... - 01****IRSDFM... - 01**



P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}			
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type	Typ
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads			
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW]	[r.p.m]				[Nm]	[N]			
Hp									
0,09	2,4		292,85	1,44	182	6250	İRS DM	64 / 71 8a	733 16
	2,7	82	260,26	1,60	162	6250	İRSDFM		734 18
0,12	3		232,88	1,76	146	6250			
	3,1		292,85	1,80	152	6250			
	3,3		275,81	1,88	143	6250	İRS DM	64 / 63 M 6a	733 16
	3,5	82	260,26	1,98	135	6250	İRSDFM		734 18
	3,9		232,88	2,18	120	6250			
	4,1		220,76	2,28	115	6250			
	4,6		292,85	2,51	102	6250			
	4,8		275,81	2,64	99	6250			
	5,1		260,26	2,77	92	6250			
	5,8		232,88	3,04	81	6250			
	6,1	82	220,76	3,18	77	6250	İRS DM	64 / 56 4b	733 13
	7,8		171,93	3,84	61	6250	İRSDFM		734 15
	8,6		156,54	4,13	54	6250			
	9,6		140,08	4,48	49	6250			
	11,6		114,80	5,16	40	6250			
	16		82,00	6,48	29	6250			
0,12	2,4		292,85	1,08	243	6250	İRS DM	64 / 71 8b	733 16
	2,7	82	260,26	1,20	216	6250	İRSDFM		734 18
0,16	3		232,88	1,32	195	6250			
	3,1		292,85	1,35	202	6250			
	3,3		275,81	1,41	191	6250	İRS DM	64 / 63 M 6b	733 16
	3,5	82	260,26	1,48	179	6250	İRSDFM		734 18
	3,9		232,88	1,63	160	6250			
	4,1		220,76	1,71	153	6250			
	4,6		292,85	1,89	137	6250			
	4,8	82	275,81	1,98	131	6250			
	5,1		260,26	2,08	123	6250			
	5,8		232,88	2,28	108	6250			
	6		221,42	2,64	101	6250	İRS DM	64 / 63 M 4a	733 13
	6,4	62	208,54	2,78	95	6250	İRSDFM		734 15
	6,8		196,78	2,90	89	6250			
	7,5		178,57	3,61	98	6250			
	8		168,18	3,80	72	6250			
	8,5	50	159,69	3,98	87	6250			
	10		134,61	4,55	73	6250			
0,18	3		226,45	2,19	355	9900	İRS DM	81 / 80 M 8a	735 38
	3,5	53	198,75	2,46	311	9900	İRSDFM		736 41
0,25	4		179,38	2,69	281	9900			
	4,5	53	198,75	3,07	246	9900			
	5		188,68	3,21	233	9900	İRS DM	81 / 71 M 6a	735 36
	5		170,90	3,81	206	9900	İRSDFM		736 39
	6	40	150,00	4,26	180	9900			
	7		135,38	4,63	163	9900			
	2,7	82	260,26	0,80	324	6150	İRS DM	64 / 80 M 8a	733 18
	3		232,88	0,88	292	6150	İRSDFM		734 20





P_1	n_2	\dot{I}_s	\dot{I}_t	S_f	M_2	F_{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW]					[Nm]	[N]		kg
	Hp	[r.p.m]						
0,18	3,1		292,85	0,90	301	6150		
	3,3		275,81	0,94	287	6150		
0,25	3,5	82	260,26	0,99	270	6150	İRS DM	64 / 71 M 6a
	3,9		232,88	1,09	242	6150	İRSDFM	
	4,1		220,76	1,14	230	6150		
	4,6		292,85	1,26	205	6150		
	4,8	82	275,81	1,32	197	6150		
	5,1		260,26	1,39	185	6150		
	5,8		232,88	1,52	162	6150		
	6		221,42	1,76	160	6150		
	6,4	62	208,54	1,85	149	6150		
	6,8		196,78	1,93	141	6150		
	7,5		178,57	2,41	147	6150		
	8	50	168,18	2,53	139	6150		
	8,5		158,69	2,65	131	6150		
	9,5		142,00	2,90	117	6150		
	9,5		139,28	3,37	120	6150	İRS DM	64 / 63 M 4b
	10	39	131,18	3,53	113	6150	İRSDFM	
	11		123,78	3,70	107	6150		
	12		110,76	4,04	95	6150		
	12,5		107,14	4,31	91	6150		
	13		100,90	4,52	87	6150		
	14		95,21	4,72	82	6150		
	15,5	30	85,20	5,13	73	6150		
	16,5		80,76	5,34	69	6150		
	21		62,90	6,36	54	6150		
	23,5		57,27	6,78	49	6150		
	26		51,25	7,30	45	6150		
0,25	3		207,14	3,00	469	15350		
0,34	3,5	50	195,45	3,33	443	15350	İRS DM	101 / 80 M 8b
	4		177,50	3,80	397	15350	İRSDFM	
	4,5	40	156,36	4,78	355	15350		
	5		142,00	5,18	320	15350		
	3		226,45	1,57	493	9900	İRS DM	81 / 80 M 8b
	3,5	53	198,75	1,77	433	9900	İRSDFM	
	4		179,38	1,93	390	9900		
	4,5	53	198,75	2,21	343	9900	İRS DM	81 / 71 M 6b
	5		179,38	2,41	308	9900	İRSDFM	
	6		226,45	2,86	258	9900		
	7	53	198,75	3,19	226	9900	İRS DM	81 / 71 M 4a
	7,5		188,68	3,33	214	9900	İRSDFM	
	8		179,38	3,46	204	9900		
	4,1		221,42	0,92	298	6100	İRS DM	64 / 71 M 6b
	4,3	62	208,54	0,96	284	6100	İRSDFM	
	4,6		196,78	1,02	265	6100		





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		Typ
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW]		[r.p.m]			[Nm]	[N]		kg
Hp								
0,25	4,6		292,85	0,91	285	6100		
	4,8		275,81	0,95	273	6100		
0,34	5,1	82	260,26	1,00	256	6100		
	5,8		232,88	1,09	225	6100		
	6		221,42	1,26	221	6100		
	6,5	62	208,54	1,30	207	6100		
	7		196,78	1,39	195	6100		
	7,5		178,57	1,74	203	6100		
	8		168,18	1,82	193	6100		
	8,5	50	158,69	1,91	182	6100		
	9,5		142,00	2,09	162	6100		
	9,6		139,28	2,42	166	6100	İRSDM	
	10		131,18	2,54	156	6100	İRSDFM	
	11		123,78	2,66	148	6100		
	12		110,76	2,91	132	6100		
	12,5		107,14	3,10	1127	6100		
	13		100,90	3,25	120	6100		
	14		95,21	3,40	113	6100		
	15,5		85,20	3,69	101	6100		
	16,5	30	80,76	3,84	96	6100		
	21		62,90	4,57	75	6100		
	23,5		57,27	4,88	68	6100		
	26		51,25	5,25	61	6100		
0,37	1,4		473,21	2,82	1333	25500		
	1,6		417,57	3,09	1182	25500	İRSDM	
0,5	1,8	111	371,60	3,45	1050	25500	İRSDFM	
	2,1		333,00	3,72	939	25500		
	2,3		300,11	4,08	847	25500		
	1,5		463,052	1,49	1366	21000		
	1,6		434,600	1,58	1281	21000		
	1,7	106	408,857	1,66	1206	21000		
	1,8		385,454	1,75	1139	21000	İRSDM	
	2		340,300	2,18	1078	21000	İRSDFM	
	2,2		320,142	2,28	980	21000		
	2,3		30,818	2,41	937	21000		
	2,9		242,615	2,87	743	21000		
	3		207,14	2,25	695	15250	İRSDM	
	3,5	50	195,45	2,37	655	15250	İRSDFM	
	4		177,50	2,57	588	15250		
	4,5	50	195,45	2,93	506	15250		
	5		177,50	3,17	466	15250	İRSDM	
	5,5		165,71	3,80	444	15250	İRSDFM	
	6	40	147,82	4,17	400	15250		
	7		133,33	4,54	358	15250		
	4		226,45	1,32	576	9800	İRSDM	
	4,5	53	198,75	1,49	506	9800	İRSDFM	
	5		179,38	1,62	357	9800		
							101 / 90 S 8a	
							739	102
							740	110
							126 / 90 S 8a	
							737	63
							738	68
							101 / 90 S 8a	
							737	63
							738	68
							101 / 80 M 6a	
							737	60
							738	65
							81 / 80 M 6a	
							735	38
							736	41





P_1	n_2	I_s	I_t	S_f	M_2	F_{Qlo}				
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type	Typ	
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads				
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte				
[kW]					[Nm]	[N]				
Hp		[r.p.m]								
0,37	5,5		170,91	1,85	422	9800	İRSDM	81 / 80 M 6a	735	38
	6	40	150,00	2,06	370	9800	İRSDFM		736	41
0,5	6,5		135,38	2,25	333	9800				
	7		198,75	2,15	335	9800				
	7,5	53	188,68	2,25	318	9800				
	8		179,38	2,33	302	9800				
	8		170,91	2,65	285	9800	İRSDM	81 / 71 M 4b	735	35
	9	40	150,00	2,93	250	9800	İRSDFM		736	38
	10		142,40	3,05	236	9800				
	11		128,18	3,95	229	9800				
	12,5		112,50	4,37	202	9800				
	14		101,53	4,72	181	9800				
	15		92,14	5,07	164	9800				
	17,5		80,32	5,59	144	9800				
	21		67,71	6,29	121	9800				
	6		221,42	0,85	327	6040				
	6,5	62	208,54	0,90	307	6040				
	7		196,78	0,94	288	6040				
	7,5		178,57	1,17	301	6040				
	8		168,18	1,23	286	6040				
	8,5		158,69	1,29	268	6040				
	9,5		142,00	1,41	240	6040				
	9,6		139,28	1,64	246	6040	İRSDM	64 / 71 M 4b	733	16
	10	39	131,18	1,72	232	6040	İRSDFM		734	18
	11		123,78	1,80	219	6040				
	12		110,76	1,97	196	6040				
	12,5		107,14	2,10	189	6040				
	13		100,90	2,20	178	6040				
	14		95,21	2,30	167	6040				
	15,5		85,20	2,50	151	6040				
	16,5	30	80,76	2,60	142	6040				
	21		62,90	3,09	115	6040				
	23,5		57,27	3,30	101	6040				
	26		51,25	3,55	90	6040				
	32		42,00	4,03	74	6040				
0,55	1,4		473,21	1,90	1982	25500				
	1,6		417,57	2,08	1756	25500				
0,75	1,8		371,60	2,32	1560	25500	İRSDM	161 / 90 L 8a	741	168
	2,1		333,00	2,50	1396	25500	İRSDFM		742	178
	2,3		300,11	2,75	1259	25500				
	2,5		271,75	3,00	1142	25500				
	2,8		247,06	3,20	1037	25500				
	3,1		225,36	3,44	946	25500				
	1,5		463,052	1,00	2031	21000	İRSDM	126 / 90 S 8a	739	102
	1,6	106	434,600	1,06	1904	21000	İRSDFM		740	110
	1,7		408,857	1,12	1792	21000				
	1,8		385,454	1,18	1692	21000				





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}			
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type	Typ
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads			
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW]					[Nm]	[N]			
Hp		[r.p.m]							
0,55	2		340,300	1,47	1602	21000			
	2,2		320,142	1,54	1456	21000	İRSDM		
0,75	2,3	83	30,818	1,62	1393	21000	İRSDFM	126 / 90 S 8a	739 102
	2,9		242,615	1,93	1105	21000			740 110
	3		207,14	1,51	1033	15170	İRSDM		
	3,5	50	195,45	1,59	974	15170	İRSDFM	101 / 90 L 8a	737 63
	4		207,14	1,87	805	15170			
	4,5	50	195,45	1,97	752	15170	İRSDM		
	5		177,50	2,13	692	15170	İRSDFM	101 / 80 M 6b	737 60
	5,5	40	165,71	2,55	660	15170			738 65
	6		147,82	2,80	595	15170			
	6,5		207,14	2,67	527	15170			
	7	50	195,45	2,80	497	15170	İRSDM		
	8		177,50	3,01	452	15170	İRSDFM	101 / 80 M 4a	737 59
	8,5		165,71	3,62	438	15170			738 64
	9	40	156,36	3,79	414	15170			
	10		142,00	4,07	372	15170			
	4		226,45	0,88	857	9670			
	4,5	53	198,75	1,00	753	9670	İRSDM		
	5		179,38	1,09	679	9670	İRSDFM	81 / 80 M 6b	735 38
	5,5		170,91	1,24	628	9670			736 41
	6	40	150,00	1,38	550	9670			
	6,5		135,38	1,51	497	9670			
	7		198,75	1,44	498	9670			
	7,5	53	188,68	1,51	472	9670	İRSDM		
	8		179,38	1,56	450	9670	İRSDFM	81 / 80 M 4a	735 38
	8		170,91	1,78	423	9670			736 41
	9	40	150,00	1,97	370	9670	İRSDM		
	10		142,40	2,05	352	9670	İRSDFM	81 / 80 M 4a	735 38
	11		128,18	2,65	341	9670			736 41
	12,5		112,50	2,93	299	9670			
	14		101,53	3,17	270	9670	İRSDM		
	15		92,14	3,41	245	9670	İRSDFM	64 / 80 M 4a	733 18
	17,5		80,32	3,76	214	9670			734 20
	21		67,71	4,23	180	9670			
	7,5		178,57	0,79	447	5890			
	7,9	50	168,18	0,83	424	5890	İRSDM		
	8,4		158,69	0,87	400	5890	İRSDFM	64 / 80 M 4a	733 18
	9,4		142,00	0,95	357	5890			734 20
	9,5		139,28	1,10	366	5890			
	10	39	131,18	1,16	345	5890	İRSDM		
	11		123,78	1,21	325	5890	İRSDFM	64 / 80 M 4a	733 18
	12		110,76	1,32	291	5890			734 20





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		Typ
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW]					[Nm]	[N]		
Hp		[r.p.m]						kg
0,55	12,5		107,14	1,41	281	5890		
	13		100,90	1,48	263	5890		
0,75	14		95,21	1,54	249	5890		
	15,5		85,20	1,68	224	5890		
	16,5	30	80,76	1,75	211	5890	İRS DM	
	21		62,90	2,08	164	5890	İRS DF M	64 / 80 M 4a
	23,5		57,27	2,22	150	5890		
	26		51,25	2,39	135	5890		
	32		42,00	2,71	110	5890		
	45		30,00	3,30	78	5890		
0,75	1,4		473,21	1,39	2705	25200	İRS DM	
	1,6	111	417,57	1,53	2395	25200	İRS DF M	161 / 100 L 8a
1	1,8		371,60	1,70	2128	25200		
	2	111	473,21	1,76	1965	25200	İRS DM	
	2,3		417,57	1,97	1709	25200	İRS DF M	161 / 90 S 6a
	2,5		370,89	2,49	1626	25200		
	2,9	87	327,28	2,79	1402	25200		
	3,6		261,00	3,28	1130	25200		
	3		227,13	1,92	1597	21000	İRS DM	
	3,5	52	200,56	2,13	1408	21000	İRS DF M	126 / 100 L 8a
	4		189,07	2,24	1294	21000		
	4		207,14	1,37	1097	15060	İRS DM	
	4,5	50	195,45	1,44	1025	15060	İRS DF M	101 / 90 S 6a
	5		177,50	1,56	944	15060		
	5,5	40	165,71	1,87	900	15060		
	6		147,82	2,05	811	15060		
	6,5		207,14	1,96	719	15060	İRS DM	
	7	50	195,45	2,06	679	15060	İRS DF M	101 / 80 M 4b
	8		177,50	2,21	616	15060		
	8,5		165,71	2,66	596	15060		
	9	40	156,36	2,78	564	15060		
	10		142,00	2,99	508	15060		
	11		124,28	3,69	474	15060	İRS DM	
	12	30	117,27	3,85	434	15060	İRS DF M	81 / 80 M 4b
	13		106,50	4,13	392	15060		
	14		99,99	4,32	372	15060		
	6		226,45	0,94	773	9490		
	7	53	198,75	1,05	679	9490		
	7,5		188,68	1,10	645	9490		
	8		179,38	1,14	613	9490		
	8		170,91	1,30	578	9490		
	9	40	150,00	1,44	507	9490		
	10		142,40	1,50	482	9490		





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		Typ
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW]					[Nm]	[N]		kg
	Hp	[r.p.m]						
0,75	11		128,18	1,94	464	9490		
	12,5		112,50	2,14	408	9490		
1	14	30	101,53	2,32	364	9490	İRSDM	81 / 80 M 4b
	15		92,14	2,50	334	9490	İRSDFM	
	17,5		80,32	2,75	292	9490		
	21		67,71	3,10	246	9490		
	9,5		139,28	0,81	499	5650		
	10	39	131,18	0,85	469	5650		
	11		123,78	0,89	443	5650		
	12		110,76	0,97	396	5650		
	12,5		107,14	1,03	383	5650		
	13		100,90	1,08	360	5650	İRSDM	64 / 80 M 4b
	14		95,21	1,13	339	5650	İRSDFM	
	15,5		85,20	1,23	304	5650		
	16,5	30	80,76	1,28	288	5650		
	21		62,90	1,53	225	5650		
	23,5		57,27	1,63	204	5650		
	26		51,25	1,75	183	5650		
	32		42	1,99	150	5650		
	45		30	2,42	108	5650		
1,1	2	111	473,21	1,20	2882	25000		
	2,3		417,57	1,34	2506	25000		
1,5	2,5		370,89	1,70	2386	25000		
	2,9	87	327,28	1,90	2056	25000		
	3,2		291,26	2,06	1863	25000	İRSDM	161 / 90 L 6b
	3,6		261,00	2,24	1657	25000	İRSDFM	
	4		230,21	3,25	1808	25000		
	4,5	54	203,14	3,61	1573	25000		
	5		180,78	3,94	1392	25000		
	6		162,00	4,30	1247	25000		
	3,4		200,56	1,45	2070	20750	İRSDM	126 / 100 L 8b
	3,7	52	189,07	1,53	1908	20750	İRSDFM	
	5,1		137,42	2,00	1385	20750		
	4		207,14	0,93	1609	14750		
	4,5	50	195,45	0,99	1504	14750		
	5		177,50	1,06	1384	14750	İRSDM	101 / 90 L 6b
	5,5	40	165,71	1,27	1320	14750	İRSDFM	
	6		147,82	1,39	1212	14750		
	6,5		207,14	1,34	1054	14750		
	7	50	195,45	1,41	995	14750		
	8		177,50	1,51	904	14750		
	8,5		165,71	1,82	876	14750	İRSDM	101 / 90 S 4a
	9	40	156,36	1,90	827	14750	İRSDFM	
	10		142,00	2,04	744	14750		
	11		128,18	1,32	678	9250	İRSDM	81 / 90 S 4a
	12,5	30	112,50	1,46	596	9250	İRSDFM	
	14		101,53	1,58	532	9250		





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW] Hp	[r.p.m]				[Nm]	[N]		kg
1,1	15		92,14	1,70	497	9250	İRSDM	
	17,5	30	80,32	1,88	426	9250	İRSDFM	81 / 90 S 4a
1,5	21		67,71	2,11	355	9250		737 60
	14		95,21	0,77	502	5400		738 65
	15,5		85,20	0,84	454	5400		
	16,5		80,76	0,87	426	5400		
	21	30	62,90	1,04	335	5400	İRSDM	733 22
	23,5		57,27	1,11	299	5400	İRSDFM	64 / C80 M 4 734 25
	26		51,25	1,19	270	5400		
	32		42,00	1,36	219	5400		
	45		30,00	1,65	156	5400		
1,5	2	111	473,21	0,88	3929	24700		
2	2,3		417,57	0,98	3417	24700		
	2,5		370,89	1,25	3252	24700	İRSDM	741 168
	3	87	327,28	1,39	2804	24700	İRSDFM	742 178
	3,5		261,00	1,64	2259	24700		
	4		235,22	1,76	2034	24700		
	4		213,20	1,25	2309	20000		
	4,5	52	200,56	1,31	2204	20000	İRSDM	739 104
	5		189,07	1,38	2064	20000	İRSDFM	740 112
	6		151,99	1,64	1644	20000		
	5,5	50	166,66	0,81	1746	14440		
	7		125,00	1,03	1310	14440		
	9	40	100,00	1,39	1081	14440	İRSDM	737 71
	12		75,00	1,93	823	14440	İRSDFM	738 76
	13	30	71,11	2,01	783	14440		
	17		52,72	2,47	581	14440		
	7		195,45	1,03	1357	14440		
	8		177,50	1,10	1234	14440		
	8,5	50	166,66	1,16	1158	14440		
	11		125,00	1,43	867	14440		
	12		118,51	1,49	823	14440		
	14	40	100,00	1,92	725	14440	İRSDM	737 71
	15		94,81	2,00	688	14440	İRSDFM	738 76
	18,5		75,00	2,62	564	14440		
	20	30	71,11	2,71	522	14440		
	27		52,72	3,26	386	14440		
	30	20	47,40	2,91	383	14440		
	37	15	37,50	3,82	309	14440		
	11		128,18	0,97	924	8900		
	12,5		112,50	1,07	813	8900		
	14	30	101,53	1,16	726	8900	İRSDM	735 42
	15		92,14	1,25	678	8900	İRSDFM	736 45
	17,5		80,32	1,38	581	8900		
	21		67,71	1,55	484	8900		





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}					
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type	Typ		
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads					
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte					
[kW]					[Nm]	[N]					
Hp		[r.p.m]									
2,2 3	2,8	111	333,00	0,80	4116	24350	İRS DM	161 / 112 M 6a	741	183	
	3,1		300,11	0,87	3718	24350	İRSDFM		742	193	
		3		473,21	0,84	4253	24350				
		3,4	111	417,57	0,92	3754	24350				
		3,8		371,60	1,00	3358	24350				
		4,3		333,00	1,09	2968	24350				
		5		291,26	1,38	2687	24350	İRS DM	161 / 100 L 4a	741	175
		5,5	87	261,00	1,49	2393	24350	İRSDFM		742	185
		6		235,22	1,59	2194	24350				
		7		203,14	2,47	2186	24350				
	8	54	180,78	2,68	1937	24350					
	9		162,00	2,90	1738	24350					
	10		146,00	3,10	1561	24350					
	4		213,20	0,85	3394	19450	İRS DM	126 / 112 M 6a	739	114	
	4,5	52	200,56	0,89	3240	19450	İRSDFM		740	122	
	5		189,07	0,94	3034	19450					
	6		151,99	1,12	2416	19450					
	6,5		213,20	1,21	2289	19450					
	7	52	200,56	1,27	2156	19450					
	7,5		189,07	1,33	2011	19450					
	9	40	154,28	1,77	1700	19450	İRS DM	126 / 100 L 4a	739	102	
	9,5		145,44	1,85	1593	19450	İRSDFM		740	110	
	11		123,42	2,31	1391	19450					
	12		116,35	2,40	1310	19450					
	15		93,53	2,78	1055	19450					
	16,5	32	84,54	2,97	952	19450					
	20		70,66	3,32	794	19450					
	23		61,53	3,60	693	19450					
	27		51,84	3,97	582	19450					
	30		46,43	4,21	522	19450					
	11	50	125,00	0,98	1272	14100					
	12		118,51	1,02	1208	14100					
	14	40	100,00	1,31	1063	14100	İRS DM	101 / 100 L 4a	737	69	
	15		94,81	1,36	1008	14100	İRSDFM		738	74	
	18,5		75,00	1,78	826	14100					
	20	30	71,11	1,85	765	14100					
	27		52,72	2,22	566	14100					
	30	20	47,40	1,98	561	14100					
	37	15	37,50	2,60	453	14100					
	14		101,53	0,79	1065	8700	İRS DM	81 / C90 L 4	735	42	
	15		92,14	0,85	994	8700	İRSDFM		736	45	
	17,5	30	80,32	0,94	852	8700					
	21		67,71	1,06	710	8700					
	23		67,71	1,14	648	8700					





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}		
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW]					[Nm]	[N]		kg
	Hp	[r.p.m]						
2,2	26		53,41	1,23	573	8700	İRS DM	
	27	30	51,42	1,26	552	8700	İRSDFM	81 / C90 L 4
3	36,5		38,40	1,50	408	8700		735 42
								736 45
3	4,3		333,00	0,80	4048	24100		
	4,7	111	300,11	0,86	3702	24100		
4	5,3		271,75	0,92	3283	24100		
	5,5		261,00	1,09	3263	24100	İRS DM	
	6	87	235,22	1,17	2991	24100	İRSDFM	161 / 100 L 4b
	6,5		213,00	1,24	2678	24100		741 174
	7,5		193,64	1,31	2425	24100		742 184
	9		162,00	2,13	2370	24100		
	10	54	146,00	2,27	2119	24100		
	11		132,20	2,43	1932	24100		
	12		120,19	2,58	1753	24100		
	6,5		213,20	0,88	3122	19100	İRS DM	
	7	52	200,56	0,93	2940	19100	İRSDFM	126 / 100 L 4b
	7,5		189,07	0,97	2742	19100		739 105
	9	40	154,28	1,30	2317	19100		740 113
	9,5		145,44	1,35	2173	19100		
	11		123,42	1,69	1896	19100		
	12		116,35	1,76	1786	19100		
	15		93,53	2,03	1439	19100	İRS DM	
16,5	32		84,54	2,17	1299	19100	İRSDFM	126 / 100 L 4b
20			70,66	2,43	1082	19100		739 105
23			61,53	2,64	944	19100		740 113
27			51,86	2,91	793	19100		
30			46,43	3,08	712	19100		
14	40		100,00	0,96	1432	13700		
15			94,81	1,00	1337	13700		
18,5			75,00	1,31	1130	13700	İRS DM	
20	30		71,11	1,36	1045	13700	İRSDFM	101 / 100 L 4b
27			52,72	1,63	774	13700		737 71
30	20		47,40	1,45	754	13700		738 76
37	15		37,50	1,91	611	13700		
4	5,5		261,00	0,82	4351	23500		
	6	87	235,22	0,88	3989	23500		
	6,7		213,00	0,93	3571	23500		
	7		203,14	1,36	3974	23500	İRS DM	
	8		180,78	1,48	3523	23500	İRSDFM	161 / 112 M 4b
	9	54	162,00	1,60	3160	23500		741 184
	10		146,00	1,70	2839	23500		742 194
	11		132,20	1,82	2577	23500		
	12		120,19	1,93	2338	23500		





P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}			
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük	Tip	Type	Typ
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads			
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte			
[kW]	[r.p.m]				[Nm]	[N]			
Hp									
4	11		126,00	2,10	2495	23500			
	12,5		113,55	2,25	2236	23500	İRSDM		
5,5	14	42	102,82	2,39	2027	23500	İRSDFM	161 / 112 M 4b	741 184
	15		93,48	2,52	1844	23500			742 194
	9		154,28	0,97	3091	18500			
	9,5	40	145,44	1,01	2897	18500			
	11		123,42	1,28	2529	18500			
	12		116,35	1,32	2382	18500			
	15		93,53	1,52	1918	18500	İRSDM		
	16,5	32	84,54	1,63	1732	18500	İRSDFM	126 / 112 M 4b	739 115
	20		70,65	1,82	1444	18500			740 123
	23		61,53	1,98	1259	18500			
	27		51,86	2,18	1059	18500			
	30		46,43	2,31	950	18500			
	18,5		75,00	0,98	1507	13200			
	20	30	71,11	1,02	1394	13200			
	27		52,72	1,22	1032	13200	İRSDM		
	30	20	47,40	1,09	1005	13200	İRSDFM	101 / C100 L 4	737 69
	37	15	37,50	1,43	825	13200			738 74
5,5	9		161,57	0,80	3740	23500			
	9,5	87	148,13	0,84	3427	23500			
7,5	10,5		136,07	0,88	3136	23500			
	13		109,63	1,48	2942	23000			
	14	54	100,28	1,57	2675	23000			
	15,5		91,94	1,65	2450	23000			
	16,5		85,27	1,94	2322	23000	İRSDM		
	18	42	78,00	2,25	2116	23000	İRSDFM	161 / 132 S 4c	741 193
	20		71,51	2,14	1937	23000			742 203
	23,5		60,90	2,76	1634	23000			
	26		55,71	2,89	1495	23000			
	28	30	51,08	3,03	1372	23000			
	31		46,92	3,15	1260	23000			
	42		33,65	3,66	903	23000			
	11		123,42	0,92	3478	17250			
	12		116,35	0,96	3274	17250			
	15		93,53	1,11	2638	17250			
	16,5	32	84,54	1,18	2382	17250	İRSDM		
	20		70,65	1,32	1985	17250	İRSDFM	126 / C112 M 4	739 116
	23		61,53	1,44	1731	17250			740 124
	27		51,84	1,58	1455	17250			
	30		46,43	1,68	1305	17250			
	28	50	49,40	1,45	1360	17250			
7,5	13		109,63	1,08	4012	22440	İRSDM		
	14,3	54	100,28	1,15	3648	22440	İRSDFM	161 / 132 M 4b	741 201
10	15,6		91,94	1,21	3342	22440			742 211



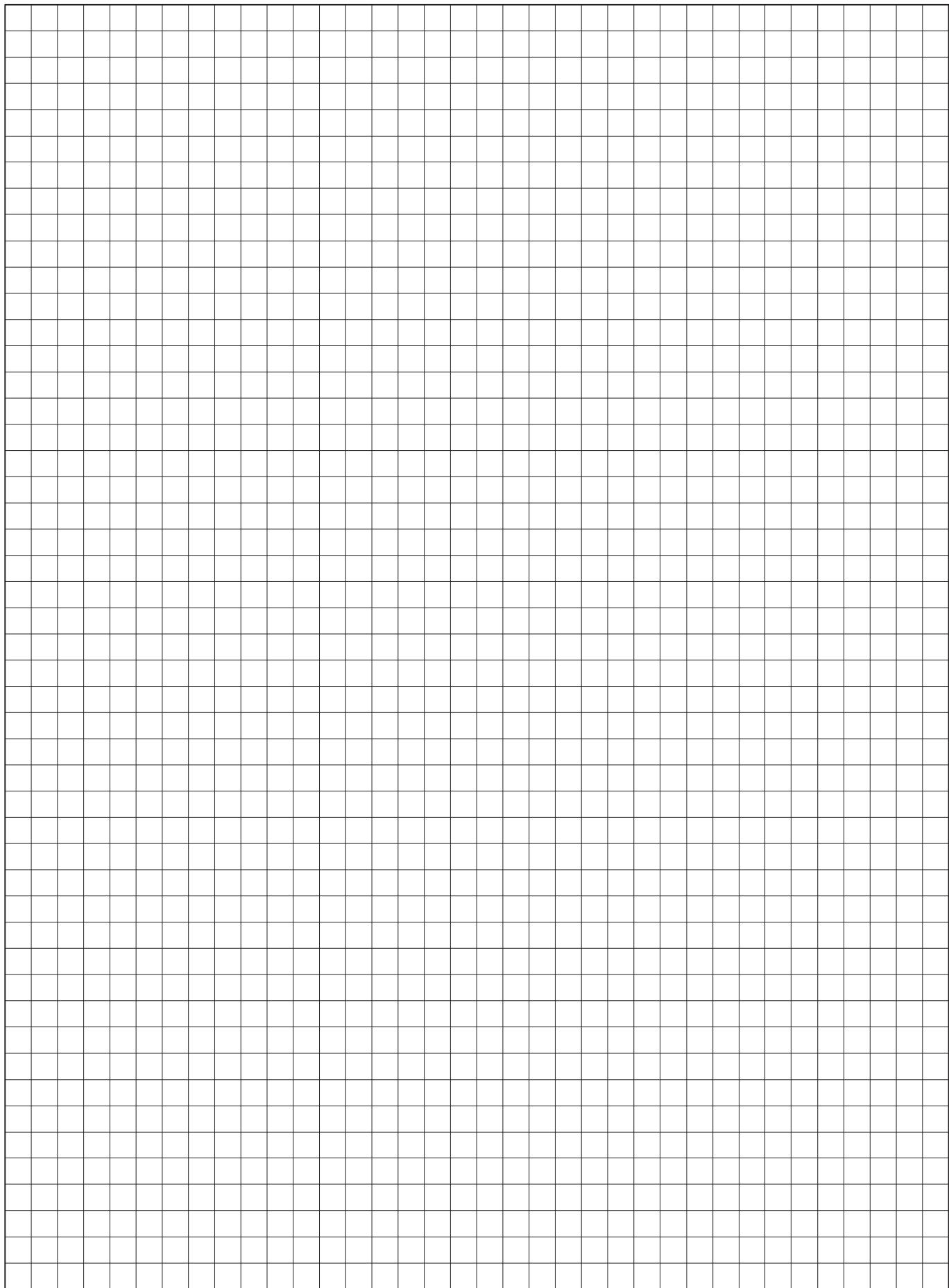


P ₁	n ₂	I _s	I _t	S _f	M ₂	F _{Qlo}	Tip Type Typ	kg
GÜÇ	Çıkış Devri	Sonsuz V. Tahvili	Toplam Tahvil	Servis Faktörü	Çıkış Momenti	Rad. Yük		
Power	Output Speeds	Worm Ratio	Total Ratio	Service Factor	Output Torque	Over Loads		
Leistung	Abtriebswelle Drehzahlen	Schnecken Übersetzung	Gesamt Übersetzung	Betriebsfaktor	Abtriebswelle Drehmomente	Querkräfte		
[kW] Hp	[r.p.m]				[Nm]	[N]		
7,5	16,5		85,27	1,42	3166	22440		
	18		78,00	1,65	2885	22440		
10	20	42	71,51	1,57	2642	22440		
	22		65,69	1,64	2437	22440		
	23,5		60,90	2,02	2228	22440	İRSDM	741 201
	26		55,71	2,12	2039	22440	İRSDFM	742 211
	28	30	51,08	2,22	1869	22440		
	31		46,92	2,31	1718	22440		
	43		33,65	2,68	1232	22440		
11	17		85,27	0,97	4573	22440		
	18,5		78,00	1,13	4202	22440		
15	20	42	71,51	1,07	3887	22440		
	22		65,69	1,12	3534	22440		
	23,5		60,90	1,38	3397	22440		
	26		55,71	1,45	3071	22440		
	28	30	51,08	1,52	2851	22440	İRSDM	741 210
	31		46,92	1,57	2575	22440	İRSDFM	742 220
	43		33,65	1,83	1857	22440		
	47		30,45	2,01	1855	22440		
	51		27,85	2,11	1710	22440		
	56	15	25,54	2,20	1557	22440		
	61		23,46	2,28	1429	22440		
	85		16,82	2,66	1026	22440		



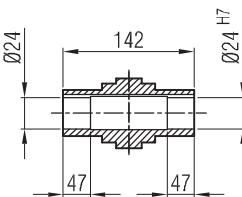
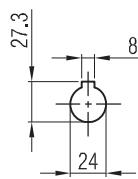
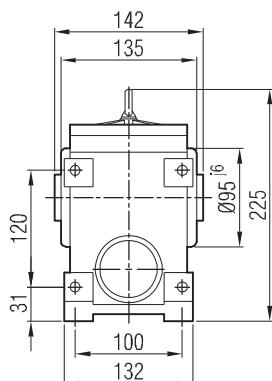
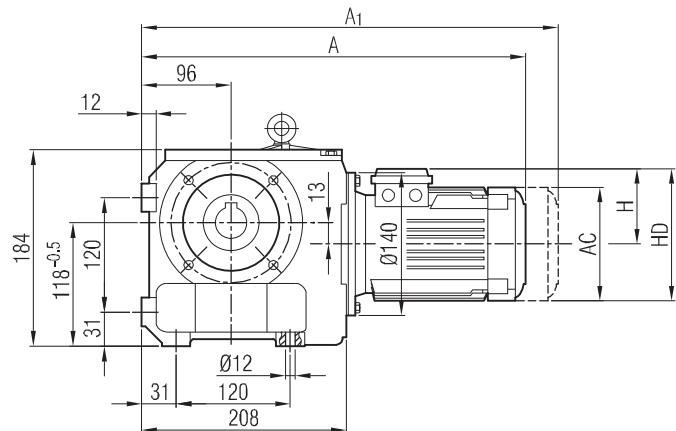
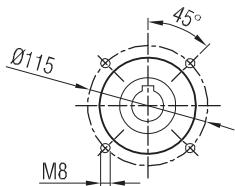


Notlar
Notes
Notizen

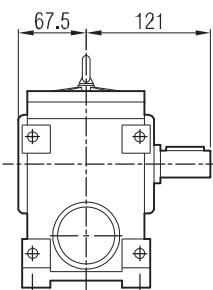




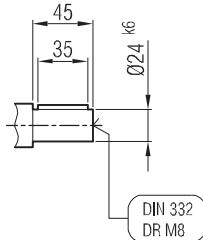
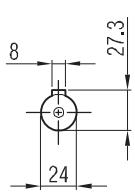
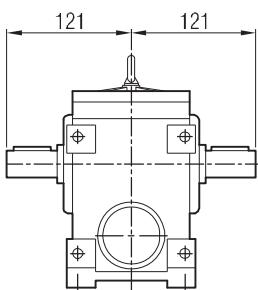
İRSDM 64



... -01



... -02



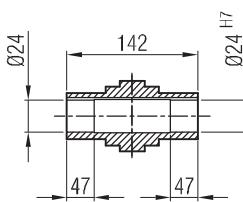
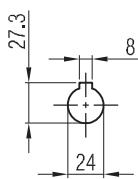
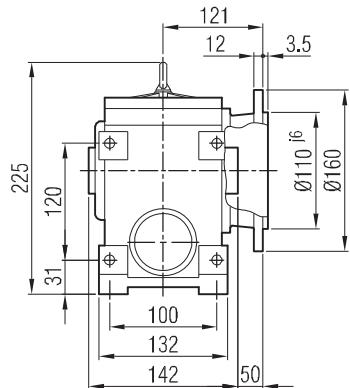
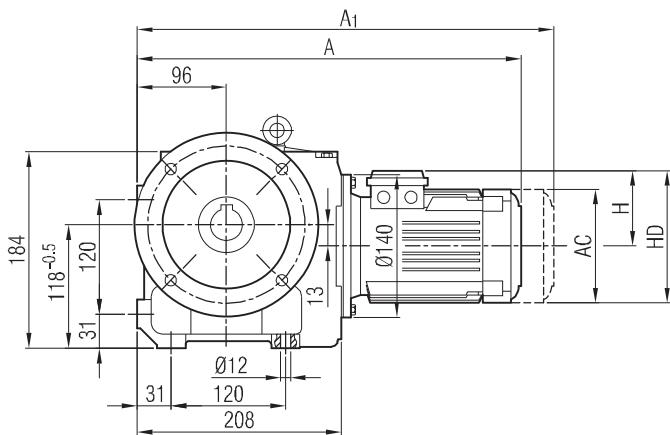
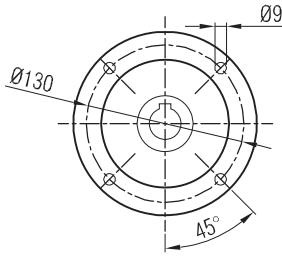
	56	63	71	80										
A	396	452	478	499										
A ₁	-	510	551	582										
H	96	99	111	118										
HD	152	162	182	198										
AC	105	123	138	158										

"A1" Ölçüsü Frenli Motorlar içindir.
 Dimension "A1" is for motors with brake
 Maß "A1" ist für Motoren mit Bremse

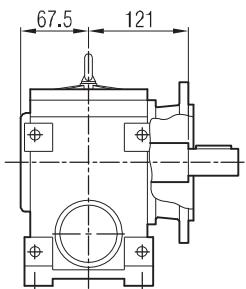




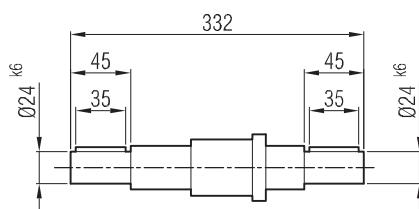
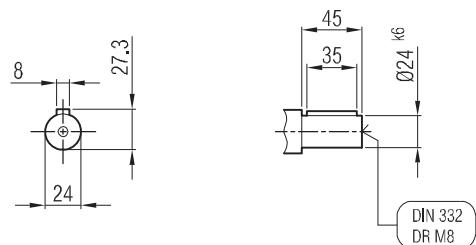
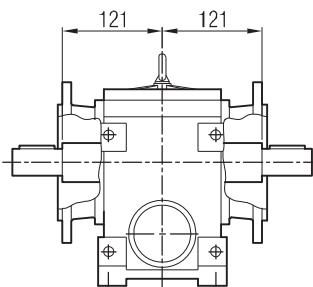
İRSDFM 64



... -01



... -02



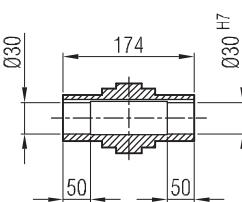
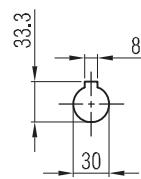
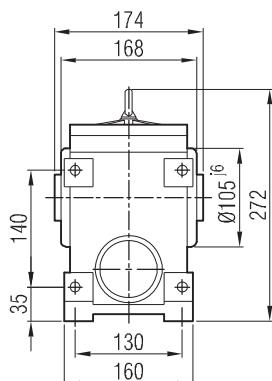
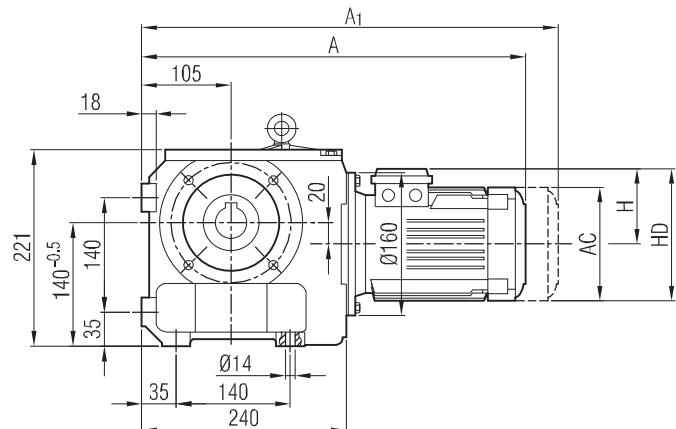
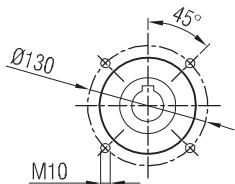
	56	63	71	80									
A	396	452	478	499									
A ₁	-	510	551	582									
H	96	99	111	118									
HD	152	162	182	198									
AC	105	123	138	158									

"A₁" Ölçüsü Frenli Motorlar içindir.
 Dimension "A₁" is for motors with brake
 Maß "A₁" ist für Motoren mit Bremse

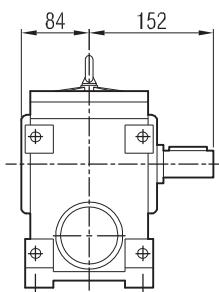




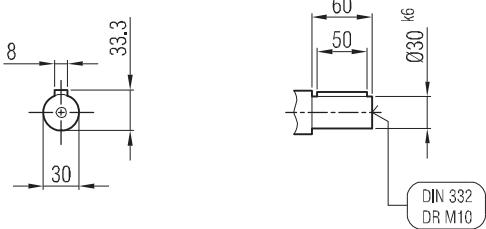
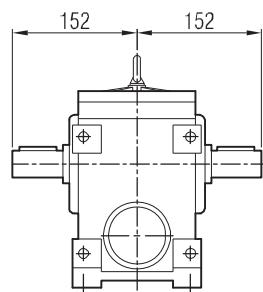
İRSDM 81



... -01



... -02



	56	63	71	80	90 S	90 L									
A			531	543	557	582									
A ₁			604	626	642	667									
H			111	118	132	132									
HD			182	198	222	222									
AC			138	158	193	193									

"A₁" Ölçüsü Frenli Motorlar içindir.

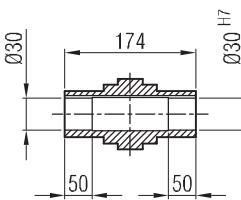
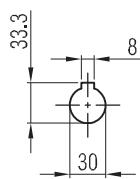
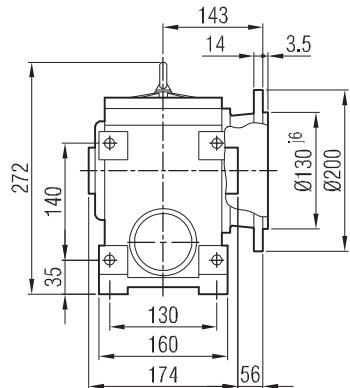
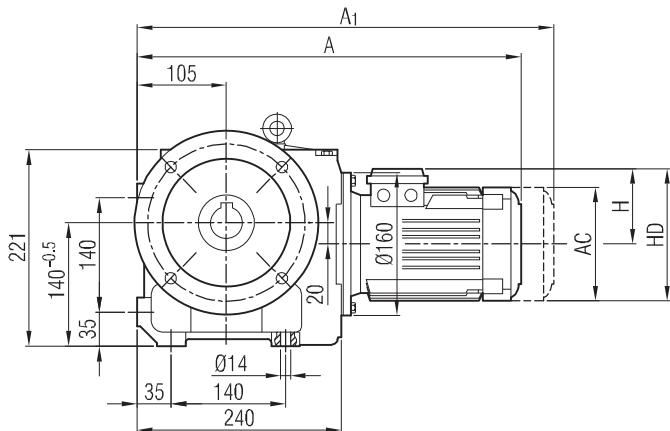
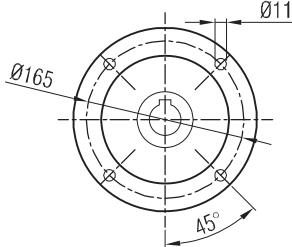
Dimension "A₁" is for motors with brake

Maß "A₁" ist für Motoren mit Bremse

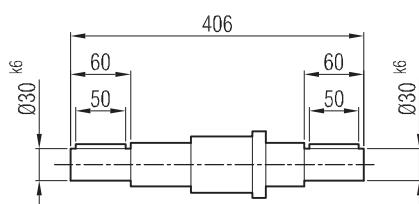
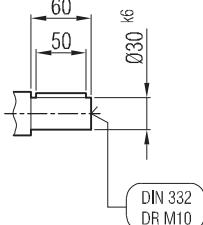
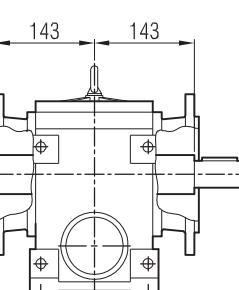
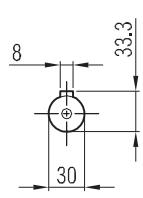
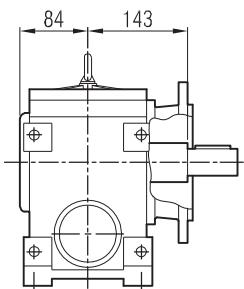




İRSDFM 81



... -01



... -02

	56	63	71	80	90 S	90 L								
A			531	543	557	582								
A ₁			604	626	642	667								
H			111	118	132	132								
HD			182	198	222	222								
AC			138	158	193	193								

"A₁" Ölçüsü Frenli Motorlar içindir.

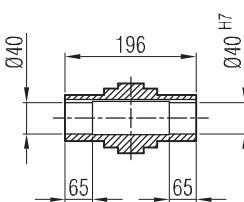
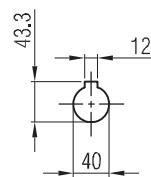
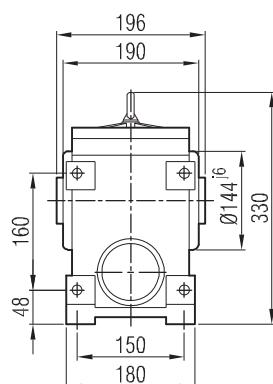
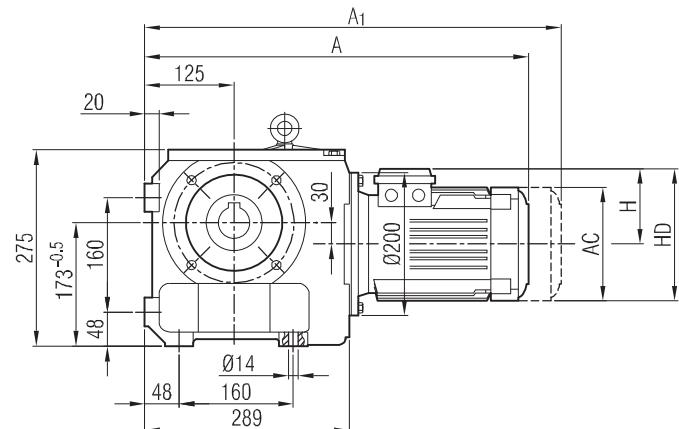
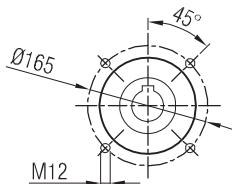
Dimension "A₁" is for motors with brake

Maß "A₁" ist für Motoren mit Bremse

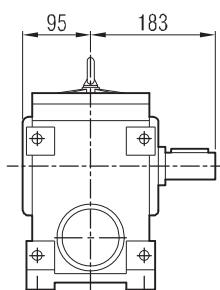




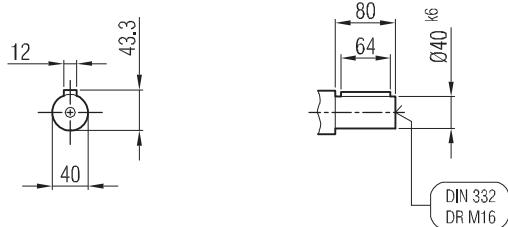
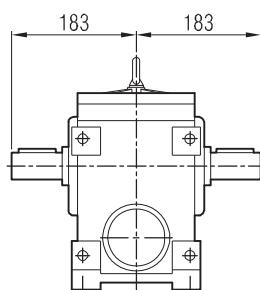
İRSDM 101



... -01



... -02



	56	63	71	80	90 S	90 L	100								
A				520	536	556	667								
A ₁				603	621	641	769								
H				118	132	132	141								
HD				198	222	222	241								
AC				158	193	193	217								

"A₁" Ölçüsü Frenli Motorlar içindir.

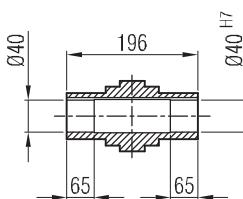
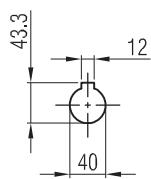
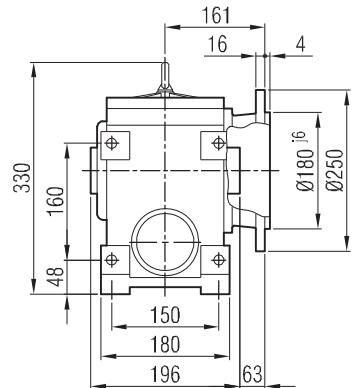
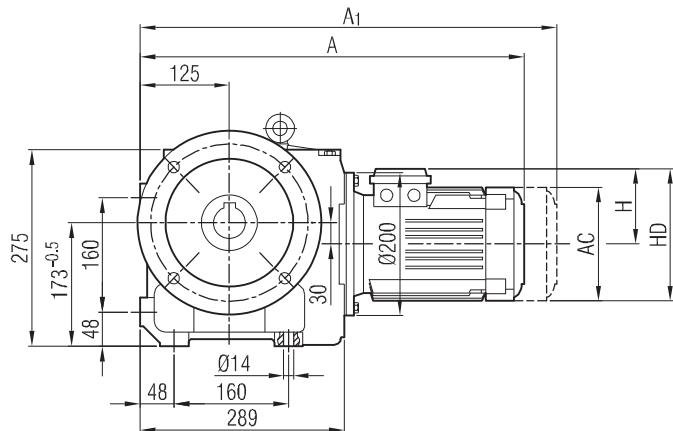
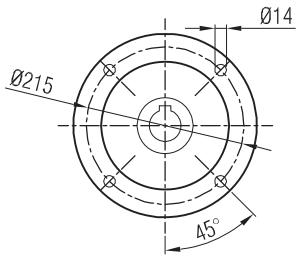
Dimension "A₁" is for motors with brake

Maß "A₁" ist für Motoren mit Bremse

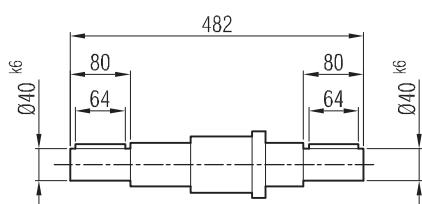
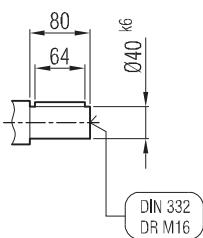
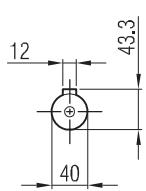
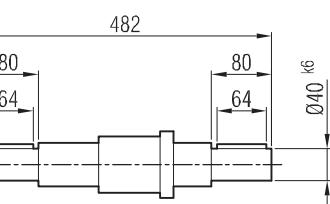
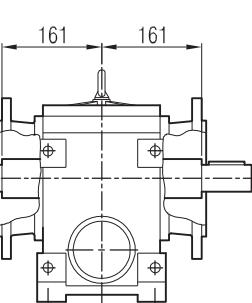
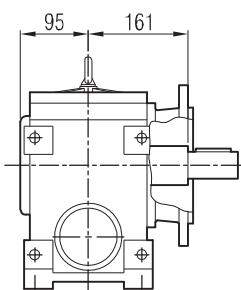




İRSDFM 101



... -01



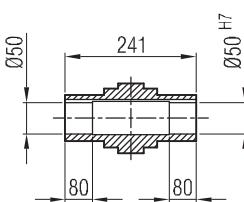
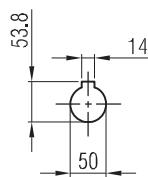
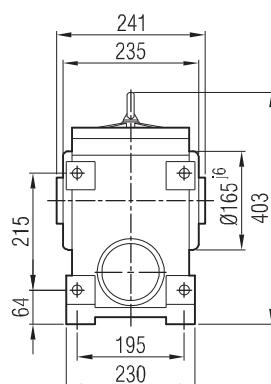
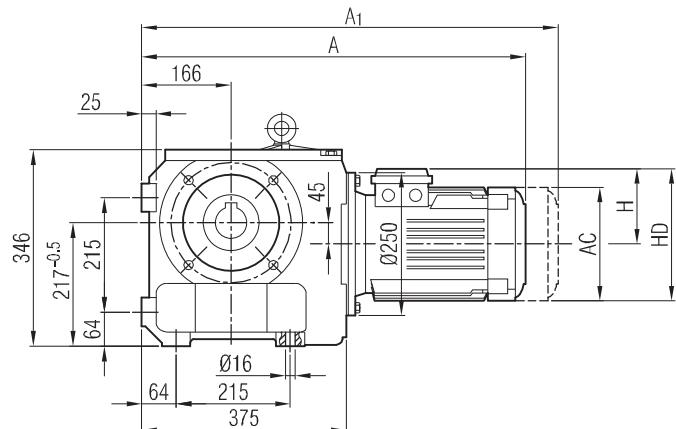
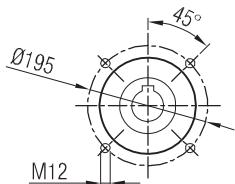
	56	63	71	80	90 S	90 L	100							
A				520	536	556	667							
A ₁				603	621	641	769							
H				118	132	132	141							
HD				198	222	222	241							
AC				158	193	193	217							

"A₁" Ölçüsü Frenli Motorlar içindir.
 Dimension "A₁" is for motors with brake
 Maß "A₁" ist für Motoren mit Bremse

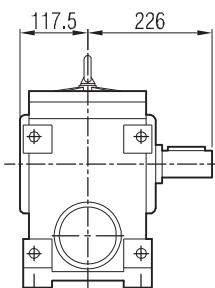




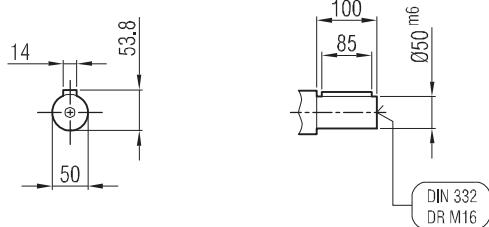
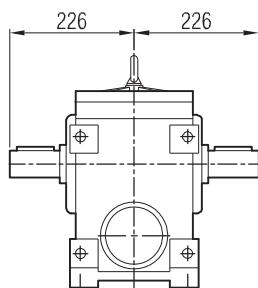
İRSDM 126



... -01



... -02



	56	63	71	80	90 S	90 L	100	112							
A							753	774							
A ₁							855	899							
H							141	149							
HD							241	261							
AC							217	232							

"A₁" Ölçüsü Frenli Motorlar içindir.

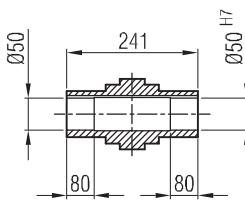
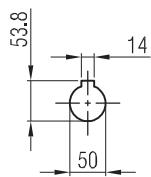
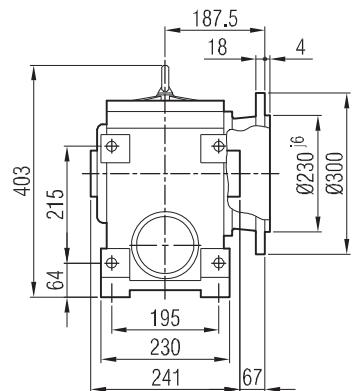
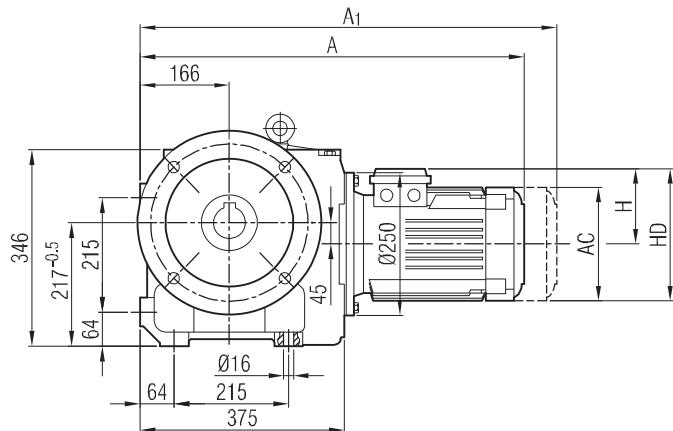
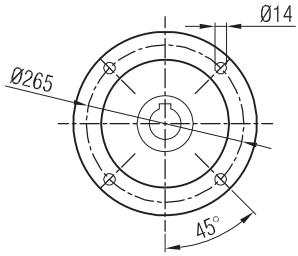
Dimension "A₁" is for motors with brake

Maß "A₁" ist für Motoren mit Bremse

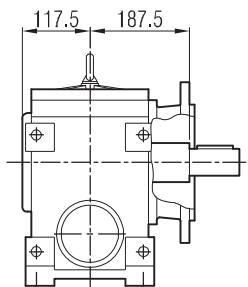




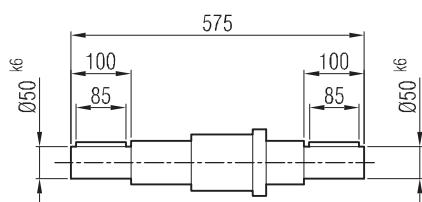
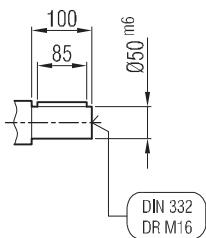
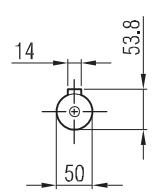
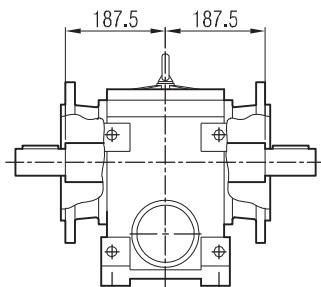
İRSDFM 126



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... -02



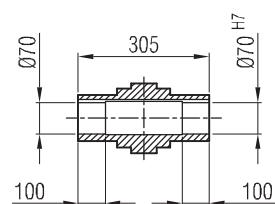
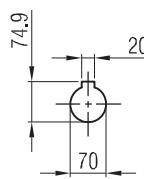
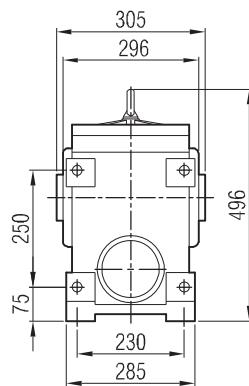
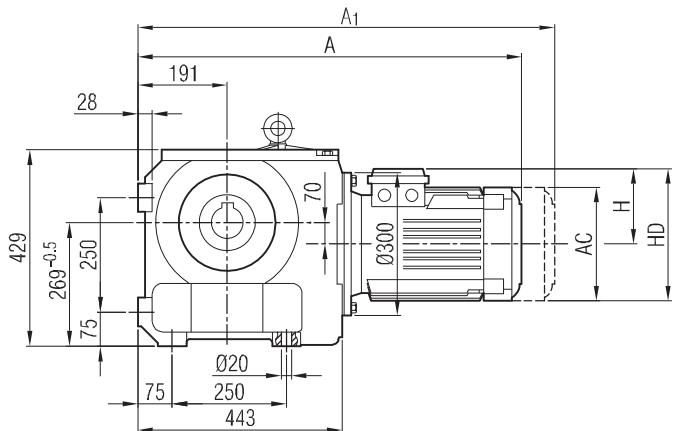
	56	63	71	80	90 S	90 L	100	112						
A							753	774						
A ₁							855	899						
H							141	149						
HD							241	261						
AC							217	232						

"A₁" Ölçüsü Frenli Motorlar içindir.
 Dimension "A₁" is for motors with brake
 Maß "A₁" ist für Motoren mit Bremse

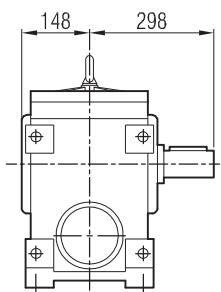




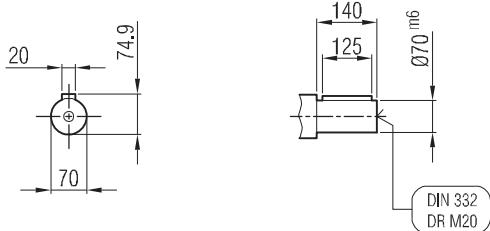
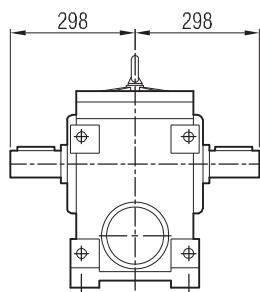
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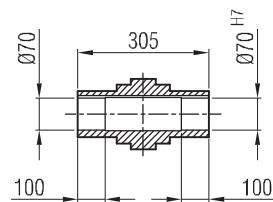
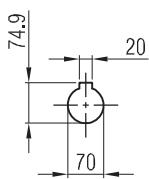
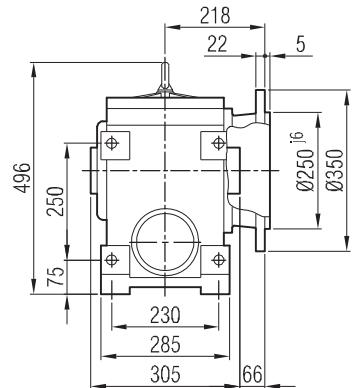
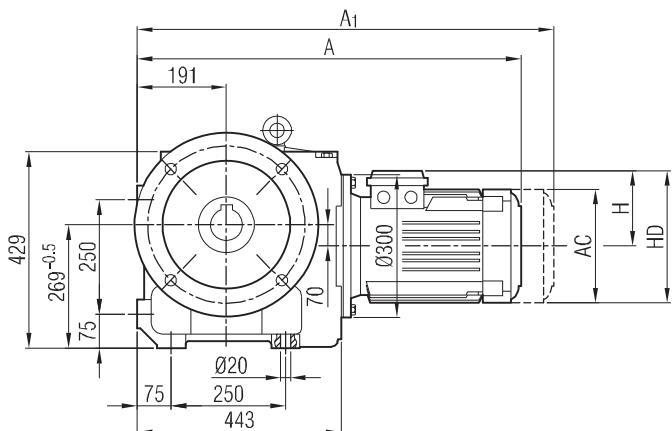
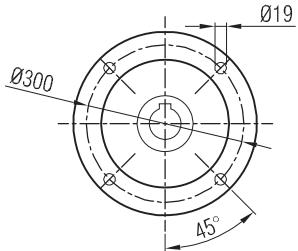
	56	63	71	80	90 S	90 L	100	112	132 S	132 M					
A					759	784	816	837	935	981					
A ₁					844	869	918	962	1077	1123					
H					132	132	141	149	182	182					
HD					222	222	241	261	314	314					
AC					193	193	217	232	279	279					

"A1" Ölçüsü Frenli Motorlar içindir.
 Dimension "A1" is for motors with brake
 Maß "A1" ist für Motoren mit Bremse

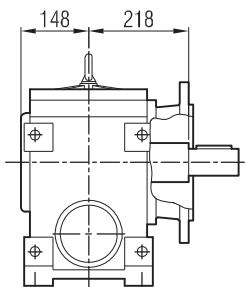




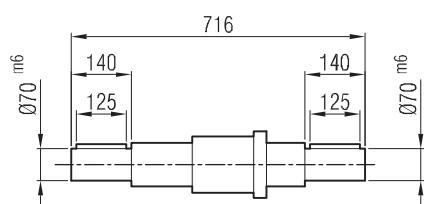
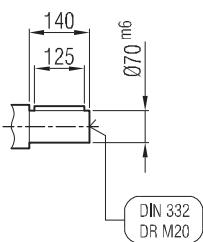
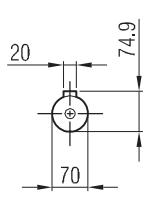
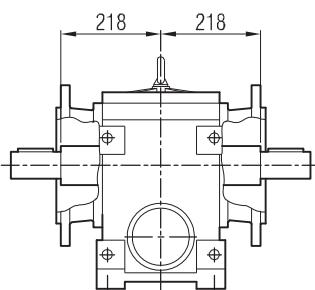
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	56	63	71	80	90 S	90 L	100	112	132 S	132 M					
A					759	784	816	837	935	981					
A ₁					844	869	918	962	1077	1123					
H					132	132	141	149	182	182					
HD					222	222	241	261	314	314					
AC					193	193	217	232	279	279					

"A₁" Ölçüsü Frenli Motorlar içindir.
 Dimension "A₁" is for motors with brake
 Maß "A₁" ist für Motoren mit Bremse

