

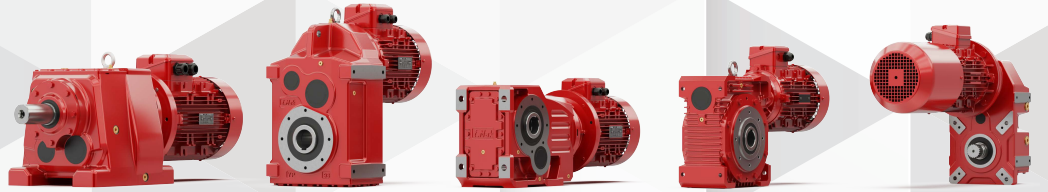


I.Mak®
GEARBOXES AND DRIVES

Sektöre özel güçlü çözümler

B00

TR / EN



Redüktör ve Varyatör / *Gearboxes and Drives*

Uygulama Sektörleri
Applications Sector



Çelik
Steel



Maden ve Taş Ocakları
Mines and Quarries



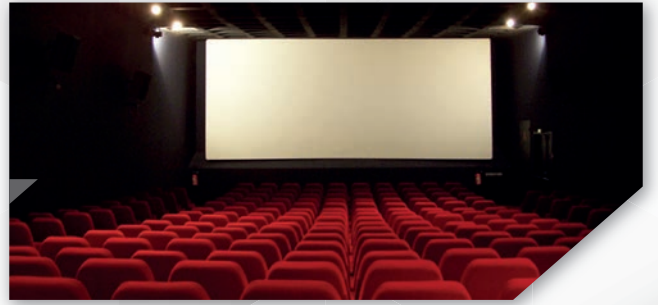
Gaz ve Petrol
Gas and Petroleum



Deniz
Marine



Su Arıtma Tesisi
Water Treatment



Sahne ve Tiyatro
Stage and Theater



Yiyecek ve İçecek
Food and Beverage



Tarım ve Ormancılık
Agriculture and Forestry

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IR...42-43	90 Nm	Ø 20
IR...52-53	190 Nm	Ø 25
IR...621-631-641	300 Nm	Ø 30
IR...62-63-64	400 Nm	Ø 35
IR...721-731-741	600 Nm	Ø 35
IR...72-73-74	850 Nm	Ø 40
IR...82-83-84	1440 Nm	Ø 50
IR...92-93-94	3000 Nm	Ø 60
IR...102-103-104	4300 Nm	Ø 70
IR...122-123-124	8000 Nm	Ø 90
IR...142-143-144	13000 Nm	Ø 110
IR...152-153-154	18000 Nm	Ø 120

Helisel dişlili redüktörler
Helical geared motor
IR Serisi / IR Series



Devir Aralığı / Speed Range

2,4 d/d ... 852 d/d

Motor Güç Aralığı / Applicable Motor Power

0,12 kW....160 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IRK...42-43	180 Nm	Ø 30
IRK...52-53	220 Nm	Ø 30
IRK...63	400 Nm	Ø 35
IRK...73-74	780 Nm	Ø 40
IRK...83-84	1330 Nm	Ø 50
IRK...93-94	2572 Nm	Ø 60
IRK...103-104	4010 Nm	Ø 70
IRK...123-124	8000 Nm	Ø 90
IRK...143-144	13000 Nm	Ø 110
IRK...153-154	18000 Nm	Ø 120

Helisel konik dişlili redüktörler
Helical bevel geared motor
IRK Serisi / IRK Series



Devir Aralığı / Speed Range

0,17 d/d...214 d/d

Motor Güç Aralığı / Applicable Motor Power

0,12 kW...200 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
YP...42-43	130 Nm	Ø 25
YP...52-53	200 Nm	Ø 30
YP...62-63	400 Nm	Ø 35
YP...72-73-74	820 Nm	Ø 40
YP...82-83-84	1500 Nm	Ø 50
YP...92-93-94	3000 Nm	Ø 60
YP...102-103-104	4300 Nm	Ø 70
YP...122-123-124	7800 Nm	Ø 90
YP...142-143-144	13000 Nm	Ø 110
YP...152-153-154	18000 Nm	Ø 120

Paralel millî redüktörler
Parallel shaft helical geared motor
YP Serisi / YP Series



Devir Aralığı / Speed Range

2,4 d/d ... 391 d/d

Motor Güç Aralığı / Applicable Motor Power

0,12 kW....200 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

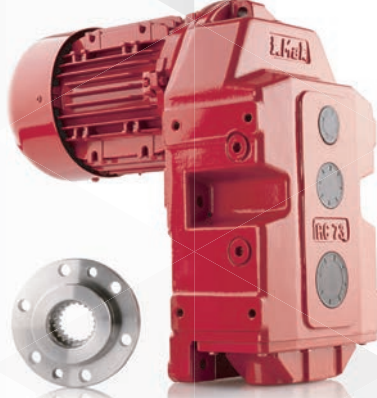
Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IRC 63	350 Nm	Ø 35
IRC 73	800 Nm	Ø 45
IRC 83	1500 Nm	Ø 50
IRC 93	3500 Nm	Ø 70
IRC 103	7500 Nm	Ø 95
IRC 123	10400 Nm	Ø 110
IRC 143	19200 Nm	Ø 120

Kaldırma grubu (vinç) redüktörler
Hoist drive gearbox
IRC Serisi / IRC Series



Devir Aralığı / Speed Range

7 d/d...59 d/d

Motor Güç Aralığı / Applicable Motor Power

0,37 kW...90 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
MA 402-403	6080 Nm	Ø 80
MA 502-503	10300 Nm	Ø 95
MA 602-603	12900 Nm	Ø 105
MA 702-703-704	19400 Nm	Ø 115
MA 802-803-804	24100 Nm	Ø 125
MA 902-903-904	29930 Nm	Ø 135
MA 1002-1003-1004	36000 Nm	Ø 150
MA 1102-1103-1104	50000 Nm	Ø 165
MA 1202-1203-1204	70000 Nm	Ø 180
MA 1302-1303-1304	90000 Nm	Ø 200
MA 1402-1403-1404	110000 Nm	Ø 220

Tahvil Aralığı / Range of Ratios

6,028 423,479

Motor Güç Aralığı / Applicable Motor Power

2,2 kW...800 kW

Monoblok ağır hizmet tipi redüktörler
Monoblock industrial gear unit
MA - MK Serisi / MA - MK Series



Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
MK 403-404	6100 Nm	Ø 80
MK 503-504	10300 Nm	Ø 95
MK 603-604	12900 Nm	Ø 105
MK 703-704	19400 Nm	Ø 115
MK 803-804	22520 Nm	Ø 125
MK 903-904	29530 Nm	Ø 135
MK 1003-1004	37580 Nm	Ø 150
MK 1103-1104	50000 Nm	Ø 165
MK 1203-1204	70000 Nm	Ø 180
MK 1303-1304	90000 Nm	Ø 200
MK 1403-1404	110000 Nm	Ø 220

Tahvil Aralığı / Range of Ratios

15,674 511,760

Motor Güç Aralığı / Applicable Motor Power

0,55 kW...450 kW

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
MAE 402-403	6080 Nm	Ø 60
MAE 502-503	10300 Nm	Ø 70
MAE 602-603	12900 Nm	Ø 80
MAE 702-703-704	19400 Nm	Ø 90
MAE 802-803-804	24100 Nm	Ø 100
MAE 902-903-904	29930 Nm	Ø 110
MAE 1002-1003-1004	36000 Nm	Ø 120
MAE 1102-1103-1104	50000 Nm	Ø 130
MAE 1202-1203-1204	70000 Nm	Ø 140
MAE 1302-1303-1304	90000 Nm	Ø 160
MAE 1402-1403-1404	110000 Nm	Ø 170

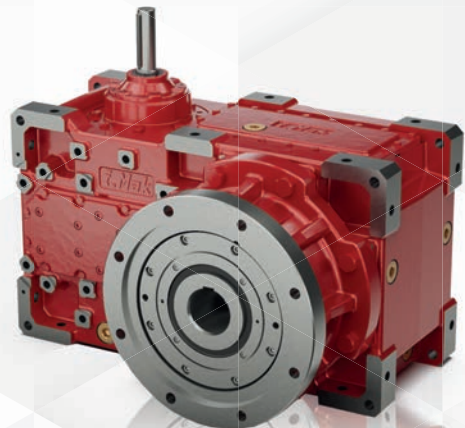
Tahvil Aralığı / Range of Ratios

6,028 423,479

Motor Güç Aralığı / Applicable Motor Power

2,2 kW...800 kW

Monoblok extruder redüktörler
Monoblock extruder gear units
Monoblok MAE Serisi / Monoblock MAE Series



Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
MKE 403-404	6100 Nm	Ø 60
MKE 503-504	10300 Nm	Ø 70
MKE 603-604	12900 Nm	Ø 80
MKE 703-704	19400 Nm	Ø 90
MKE 803-804	22520 Nm	Ø 100
MKE 903-904	29530 Nm	Ø 110
MKE 1003-1004	37580 Nm	Ø 120
MKE 1103-1104	50000 Nm	Ø 130
MKE 1203-1204	70000 Nm	Ø 140
MKE 1303-1304	90000 Nm	Ø 160
MKE 1403-1404	110000 Nm	Ø 170

Tahvil Aralığı / Range of Ratios

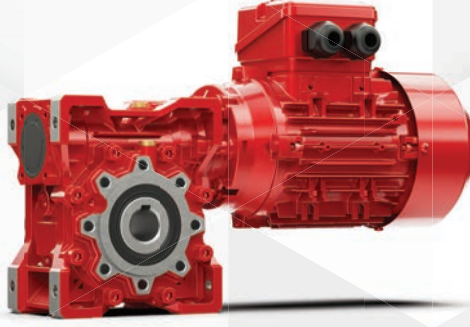
15,674 511,760

Motor Güç Aralığı / Applicable Motor Power

0,55 kW...450 kW

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
S...30	21 Nm	Ø 14
S...40	42 Nm	Ø 18
S...50	71 Nm	Ø 25
S...63	145 Nm	Ø 25
S...75	221 Nm	Ø 28
S...90	400 Nm	Ø 35
S...110	700 Nm	Ø 42
S...130	1000 Nm	Ø 45
S...150	1500 Nm	Ø 50

Alüminyum gövdeli sonsuz vidalı redüktörler
Aluminium housing worm geared motor
S Serisi / S Series



Tahvil Aralığı / Range of Ratios

7,5100

Motor Güç Aralığı / Applicable Motor Power

0,12 kW...15 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

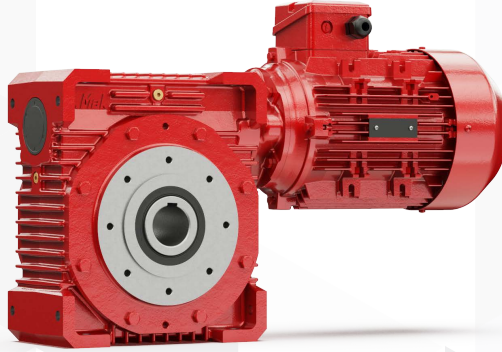
Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IRS...52	240 Nm	Ø 20
IRS...65	415 Nm	Ø 25
IRS...82	825 Nm	Ø 30
IRS...102	1465 Nm	Ø 40
IRS...127	2650 Nm	Ø 50
IRS...162	4820 Nm	Ø 70
IRS...201	7200 Nm	Ø 80
IRS...250	12500 Nm	Ø 90

Sonsuz vidalı redüktörler
Worm geared motor
IRS Serisi / IRS Series



Tahvil Aralığı / Range of Ratios

7,5111

Motor Güç Aralığı / Applicable Motor Power

0,12 kW...22 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

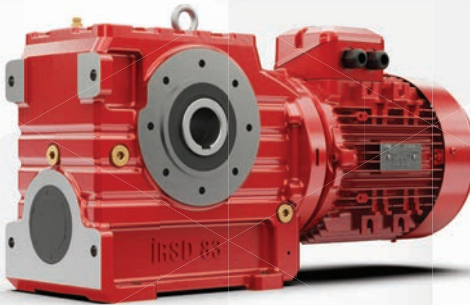
Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IRSD...43	125 Nm	Ø 20
IRSD...53	415 Nm	Ø 25
IRSD...63	825 Nm	Ø 30
IRSD...73	1465 Nm	Ø 40
IRSD...83	2650 Nm	Ø 50
IRSD...103	4820 Nm	Ø 70

Helisel sonsuz vidalı redüktörler
Helical - Worm geared motor
IRSD Serisi / IRSD Series



Tahvil Aralığı / Range of Ratios

1/20 1/429

Motor Güç Aralığı / Applicable Motor Power

0,12 kW...11 kW

Giriş Opsiyonları / Input Options

Motorsuz / Without motor

Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu / With motor

Motorlu, PAM Flanşlı / With motor, with PAM flange

Tahvil Aralığı (IRO) / Range of Ratios

5 ... 30

Motor Güç Aralığı (IRO) / Applicable Motor Power

2,2 kW ... 160 kW

Kovan montajlı redüktörler
Shaft mounted gear unit

IRO Serisi
IRO Series



IRNX Serisi
IRNX Series



Tahvil Aralığı (IRNX) / Range of Ratios

5 ... 30

Motor Güç Aralığı (IRNX) / Applicable Motor Power

0,55 kW...450 kW

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IRNX 01	515 Nm	Ø 30
IRNX 02	815 Nm	Ø 40
IRNX 03	1290 Nm	Ø 50
IRNX 04	1800 Nm	Ø 50
IRNX 05	3160 Nm	Ø 60
IRNX 06	4690 Nm	Ø 70
IRNX 07	7460 Nm	Ø 85
IRNX 08	9920 Nm	Ø 100
IRNX 09	12420 Nm	Ø 120
IRNX 10	17900 Nm	Ø 125
IRNX 11	24460 Nm	Ø 150
IRNX 12	42700 Nm	Ø 190

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
IPR/IPRK 101	1100 Nm	Ø 42
IPR/IPRK 103	1700 Nm	Ø 42
IPR/IPRK 105	3520 Nm	Ø 65
IPR/IPRK 107	5110 Nm	Ø 65
IPR/IPRK 109	7020 Nm	Ø 80
IPR/IPRK 111	12210 Nm	Ø 90
IPR/IPRK 113	18020 Nm	Ø 90
IPR/IPRK 115	18020 Nm	Ø 90
IPR/IPRK 117	30760 Nm	Ø 110
IPR/IPRK 119	30760 Nm	Ø 110
IPR/IPRK 121	37500 Nm	Ø 120
IPR/IPRK 123	60800 Nm	Ø 140
IPR/IPRK 125	69310 Nm	Ø 160
IPR/IPRK 127	99000 Nm	Ø 170
IPR/IPRK 129	140900 Nm	Ø 180
IPR/IPRK 131	184000 Nm	Ø 230
IPR/IPRK 133	215000 Nm	Ø 230
IPR/IPRK 135	332800 Nm	Ø 295

Planet redüktörler
Planetary gear units

IPR Serisi
IPR Series



IPRK Serisi
IPRK Series



Tahvil Aralığı / Range of Ratios

3 ... 9793

Motor Güç Aralığı / Applicable Motor Power

0,25 kW...500 kW

Giriş Opsiyonları / Input Options

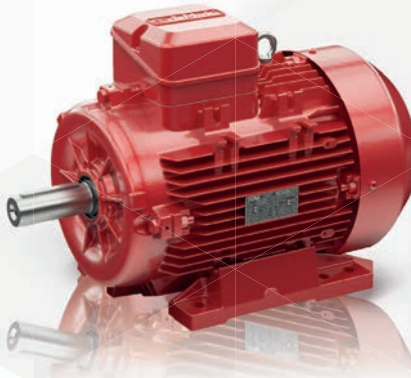
Motorsuz / Without motor

Motorsuz, PAM Flanşlı / Without motor, with PAM flange

Motorlu, PAM Flanşlı / With motor, with PAM flange

Gövde Büyüklükleri Frame Size	Kutup Sayısı Number of Pole
63	2-4
71	2-4-6-8
80	2-4-6-8
90	2-4-6-8
100	2-4-6-8
112	2-4-6-8
132	2-4-6-8
160	2-4-6-8
180	2-4-6-8
200	2-4-6-8
225	2-4-6
250	2-4-6
280	2-4-6
315	2-4-6
355	2-4-6

Asenkron motor
Asynchronous motor



Bağlantı Seçenekleri / Connection Options

B3 - B5 - B14 - B35 - NEMA C Face

Verimlilik Seçenekleri / Efficiency Options

IE2 - IE3 - IE4

Koruma Seçenekleri / Protection Options

IP55 - IP56 - IP65 - IP66

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
2A 180	880 Nm	Ø 45
2A 225	2040 Nm	Ø 55
2A 275	4107 Nm	Ø 65
2A 351	8000 Nm	Ø 90
2A 430	17000 Nm	Ø 105
2A 501	27000 Nm	Ø 120

Tahvil Aralığı
Range of Ratios

3,6 48

Motor Güç Aralığı
Applicable Motor Power

0,37 kW...160 kW

Ağır hizmet tipi redüktörler
Industrial gear units
A Serisi / A Series



Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
3A 351	8000 Nm	Ø 90
3A 430	17000 Nm	Ø 105
3A 501	27000 Nm	Ø 120
3A 750	33000 Nm	Ø 140
4A 750	33000 Nm	Ø 140

Tahvil Aralığı
Range of Ratios

7,6 487

Motor Güç Aralığı
Applicable Motor Power

0,37 kW...160 kW

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
2AE 225	2040 Nm	Ø 35
2AE 275	4107 Nm	Ø 40
2AE 351	8000 Nm	Ø 60
2AE 430	17000 Nm	Ø 70
2AE 501	27000 Nm	Ø 90

Tahvil Aralığı
Range of Ratios

3,6 48

Motor Güç Aralığı
Applicable Motor Power

0,37 kW...160 kW

Extruder tipi redüktörler
Extruder type industrial gear units
AE Serisi / AE Series



Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
3AE 351	8000 Nm	Ø 60
3AE 430	17000 Nm	Ø 70
3AE 501	27000 Nm	Ø 90
3AE 750	33000 Nm	Ø 115
4AE 750	33000 Nm	Ø 115

Tahvil Aralığı
Range of Ratios

7,6 487

Motor Güç Aralığı
Applicable Motor Power

0,37 kW...160 kW

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
ADS 185	1465 Nm	Ø 50
ADS 230	4820 Nm	Ø 80

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
AD 180	300 Nm	Ø 30
AD 230	8000 Nm	Ø 80
AD 250	8000 Nm	Ø 80

Tip Type	Moment (Max) Torque (Max)	Mil Çapı Shaft Diameter
ADK 185	3400 Nm	Ø 50
ADK 185-1	2400 Nm	Ø 50

Çift çıkış milli özel tip redüktörler
Twin shaft gear units
AD - ADS - ADK Serisi / AD - ADS - ADK Series



Çıkış Milleri Arasındaki Tahvil Oranı / ADS 185 Difference of ratio between both shaft
1,000
1,044
1,140
1,244
1,300
1,359
1,421
1,486

Çıkış Milleri Arasındaki Tahvil Oranı / ADS 230 Difference of ratio between both shaft
1,000
1,154
1,240
1,333
1,435
1,486



ULUSLAR ARASI BAYİ AĞI / A STRONG NETWORK

GÜVENİLİR BAYİLERİMİZ / TRUSTABLE PARTNERS

I.Guide
Product Selection Guide



American
Gear Manufacturers
Association

