

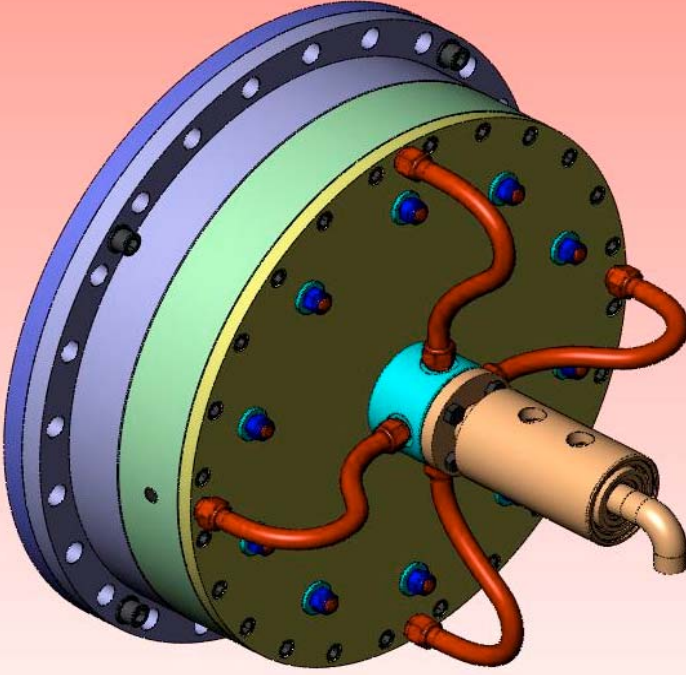
SERİ
SERIES

FI-BI 80 BAR

YAĞ KUMANDALI DEBRİYAJ, YAY GERİ DÖNÜŞLÜ
OIL ACTUATED CLUTCH, SPRINGS RELEASED

SERİ
SERIES

FI



YAĞ İÇERİSİNDE ÇALIŞAN ÇOK DİSKLİ DEBRİYAJ,
STATİK TORKU 15600 Nm den 172800 Nm ye KADAR
DİNAMİK TORKU 10000 Nm den A 110050 Nm ye KADAR

MULTI DISCS CLUTCH, OIL COOLED
STATIC TORQUES FROM 15,600 Nm TO 172,800 Nm
DYNAMIC TORQUES FROM 10,000 Nm TO 110,050 Nm

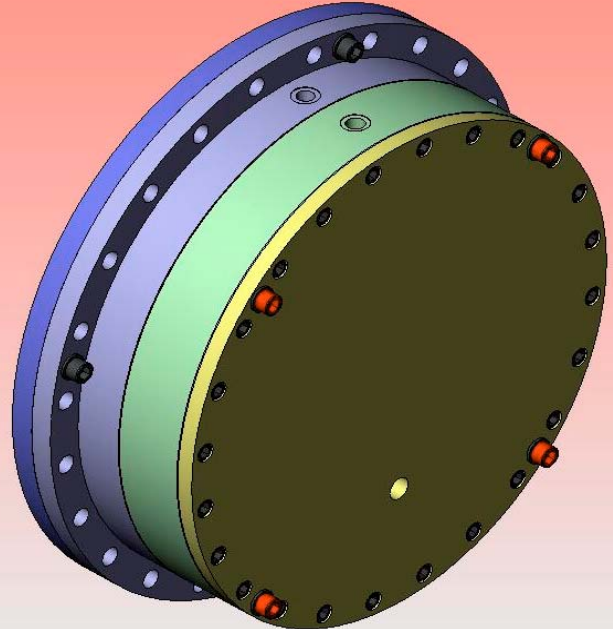
YAĞ İÇERİSİNDE ÇALIŞAN YAY BASINÇLI FREN
SPRINGS ACTUATED BRAKE, OIL RELEASED

SERİ
SERIES

BI

YAĞ İÇERİSİNDE ÇALIŞAN ÇOK DİSKLİ FREN
DİNAMİK TORK 5700 Nm den 68000 Nm ye KADAR
STATİK TORK 8850 Nm den 105750 Nm ye KADAR

MULTI DISCS BRAKE, OIL COOLED
DYNAMIC TORQUES FROM 5,700 Nm TO 68,000 Nm
STATIC TORQUES FROM 8,850 Nm TO 105,750 Nm

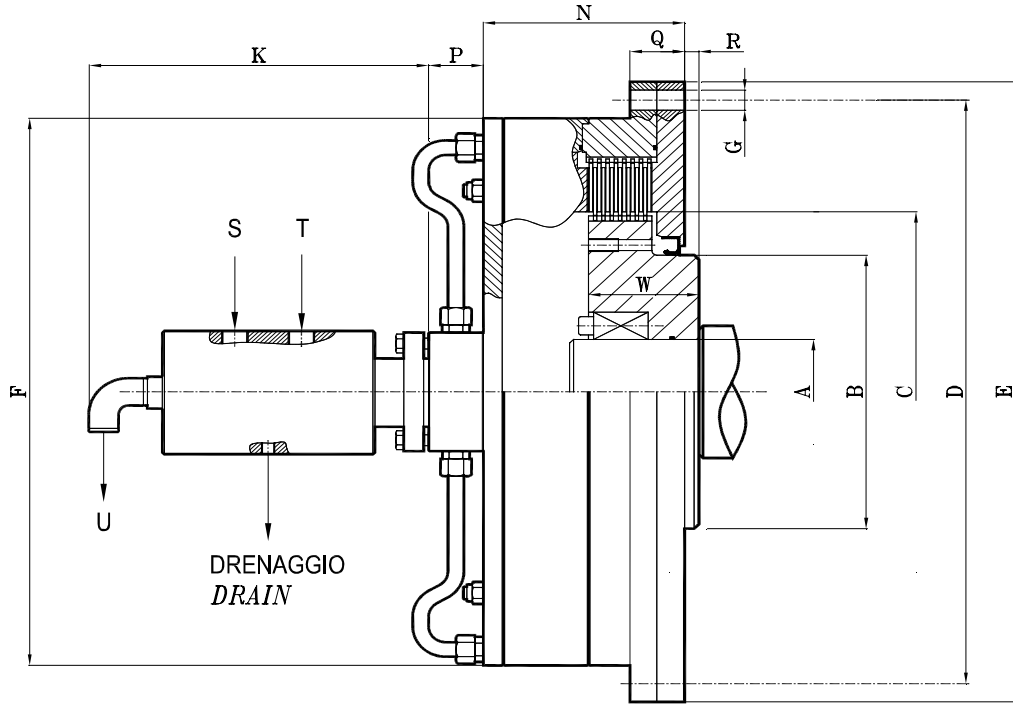


YAĞ KUMANDALI DEBRİYAJ, YAY GERİ DÖNÜŞLÜ

OIL ACTUATED CLUTCH, SPRINGS RELEASED

SERİ
SERIES

FI

S= OLIO DI COMANDO FRIZIONE
DRIVE OILT= OLIO DI RAFFREDDAMENTO
COOLING OILU= SCARICO OLIO
EXIT OIL

Boyut Size		FI 410			FI 488			FI 600			FI 750		
sürtünme yüzeyleri Friction Surfaces		12	16	20	12	16	20	14	18	22	14	18	22
Çapları [mm] Diameters [inches]	A min	60	(2.362)		100	(3.937)		115	(4.527)		150	(5.905)	
	A max H7	140	(5.511)		190	(7.480)		250	(9.842)		320	(12.598)	
	B	190	(7.480)		230	(9.055)		300	(11.811)		380	(14.960)	
	C	255	(10.039)		315	(12.401)		395	(15.551)		517	(20.354)	
	D	450	(17.716)		520	(20.472)		640	(25.196)		800	(31.496)	
	24 x G	13	(0.511)		18	(0.709)		22	(0.866)		30	(1.181)	
	E g7	475	(18.700)		550	(21.653)		680	(26.771)		850	(33.464)	
Uzunluk [mm] Lenght [inches]	F	410	(16.141)		488	(19.212)		600	(23.622)		750	(29.527)	
	K	256	(10.079)		327	(12.874)		327	(12.874)		322	(12.677)	
	N	153 (6.024)	168 (6.614)	183 (7.205)	170 (6.693)	187 (7.362)	204 (8.031)	202 (7.953)	219 (8.622)	236 (9.291)	263 (10.354)	292 (11.496)	321 (12.638)
	P	55	(2.165)		70	(2.756)		70	(2.756)		86	(3.386)	
	Q	36	(1.417)		40	(1.575)		55	(2.165)		60	(2.362)	
	W	80 (3.150)	96 (3.780)	112 (4.409)	95 (3.740)	112 (4.409)	128 (5.039)	112 (4.409)	129 (5.079)	143,5 (5.650)	161 (6.339)	190 (7.480)	219 (8.622)
	R		10 (0.394)			14 (0.551)			15 (0.591)			20 (0.787)	
Hidrolik bağlantı Hydraulic connection	S		1/2"			3/4"			3/4"			1"	
	T		1/2"			3/4"			3/4"			1"	
	U		1/2"			3/4"			3/4"			1"	
1) Maks. hız [RPM] 1) Max speed [RPM]		1.000			830			640			500		
Ağırlık [kg] Weight [lb]		130 (287)	145 (319)	158 (348)	200 (440)	220 (484)	240 (528)	360 (792)	400 (880)	430 (946)	720 (1,584)	810 (1,782)	900 (1,980)
Vuruş hacmi [dm ³] Stoke volume [in ³]		0,01 (0.62)			0,014 (0.85)			0,024 (1.46)			0,045 (2.75)		
Silindir hacmi [lt] Cylinder Cap. [in ³]		0,072 (4.39)			0,175 (10.68)			0,202 (12.33)			0,628 (38.32)		
İç hareketlilik [Kgm ²] Internals inertia [lb-ft ²]		0,27 (6.41)	0,36 (8.54)	0,44 (10.44)	0,6 (14.24)	0,77 (18.27)	0,93 (22.07)	1,41 (33.46)	1,81 (42.95)	2,21 (52.44)	8,82 (209.3)	11,04 (261.98)	13,27 (314.9)
2) Dış hareketlilik [Kgm ²] 2) External inertia [lb-ft ²]		3,39 (80.44)	3,34 (79.26)	3,55 (84.24)	6,54 (155.19)	7,05 (167.30)	7,55 (179.16)	10,39 (246.55)	11,35 (269.34)	12,43 (294.96)	51,9 (1,231.6)	56,25 (1,334.8)	60,6 (1,438)
Debriyaj Torku (Statik) [Nm] Clutch torque (Stat.) [lbin]		15600 (138,060)	20800 (184,080)	26.000 (230,100)	24100 (213,285)	32150 (284,528)	40200 (355,770)	55700 (492,945)	71600 (633,660)	87550 (774,818)	109900 (972,615)	141300 (1,250,505)	172800 (1,529,280)
Debriyaj Torku (Dinamik) [Nm] Clutch torque (Dyn.)		10.000 (88,500)	13.350 (118,148)	16.700 (147,795)	15.450 (136,733)	20.650 (182,753)	25.800 (228,330)	35.800 (316,830)	46.000 (407,100)	56.250 (497,813)	70.650 (625,253)	90.800 (803,580)	111.050 (982,793)
Yağ basıncı [bar] Operating pressure [psi]		80 (1165)			80 (1165)			80 (1165)			80 (1165)		

1) Tek vuruş işlemler için mühendislerimize danışınız.

1) For single stroke operations consult our engineering

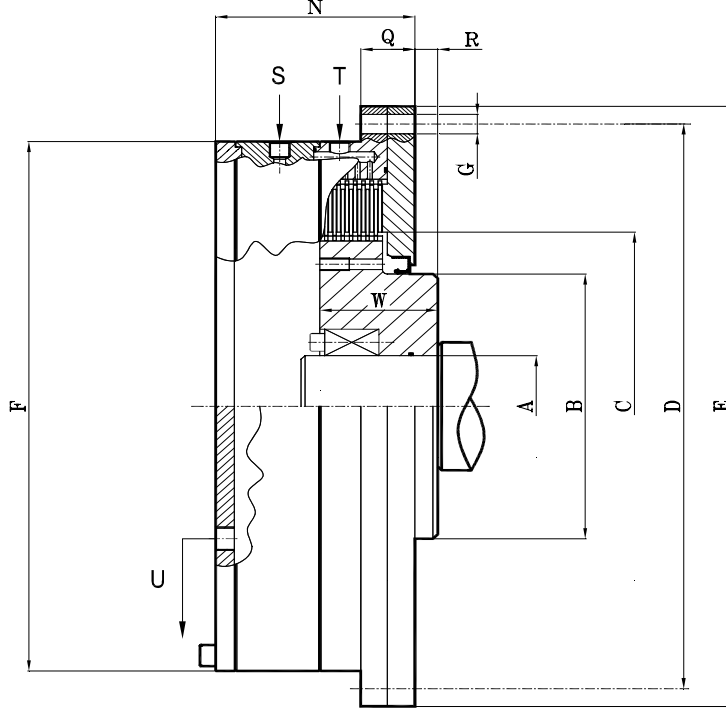
2) Döner eklemler hariç

2) Excluded rotating joint

**YAĞ İÇERİSİNDE ÇALIŞAN YAY BASINÇLI FREN,
SPRINGS ACTUATED BRAKE, OIL RELEASED**

SERİ
SERIES

BI



S= OLIO DI COMANDO FRIZIONE
DRIVE OIL

T= OLIO DI RAFFREDDAMENTO
COOLING OIL

U= SCARICO OLIO
EXIT OIL

Boyut Size		BI 410			BI 488			BI 600			BI 750		
Sürtünme yüzeyleri Friction Surfaces		12	16	20	12	16	20	14	18	22	14	18	22
Çapları [mm] Diameters [inches]	A min	60	(2.362)		100	(3.937)		115	(4.527)		150	(5.905)	
	A max H7	140	(5.511)		190	(7.480)		250	(9.842)		320	(12.598)	
	B	190	(7.480)		230	(9.055)		300	(11.811)		380	(14.960)	
	C	255	(10.039)		315	(12.401)		395	(15.551)		517	(20.354)	
	D	450	(17.716)		520	(20.472)		640	(25.196)		800	(31.496)	
	24 x G	13	(0.511)		18	(0.708)		22	(0.866)		30	(1.181)	
	E g7	475	(18.700)		550	(21.653)		680	(26.771)		850	(33.464)	
	F	410	(16.141)		488	(19.212)		600	(23.622)		750	(29.527)	
Uzunluk [mm] Lenght Dimensions [inches]	N	153 (6.024)	168 (6.614)	183 (7.205)	170 (6.693)	187 (7.362)	204 (8.031)	202 (7.953)	219 (8.622)	236 (9.291)	263 (10.354)	292 (11.496)	321 (12.638)
	Q	36	(1.417)		40	(1.575)		55	(2.165)		60	(2.362)	
	W	80 (3.150)	96 (3.780)	112 (4.409)	95 (3.740)	112 (4.409)	128 (5.039)	112 (4.409)	129 (5.079)	143,5 (5.650)	161 (6.339)	190 (7.480)	219 (8.622)
	R		10 (0.394)			14 (0.551)			15 (0.591)			20 (0.787)	
Hidrolik bağlantı Hydraulic connection	2 x S @180°		3/8"			1/2"			1/2"			3/4"	
	2 x T @180°		3/8"			1/2"			1/2"			3/4"	
	U		1/2"			3/4"			3/4"			1"	
1) Maks. Hız [RPM] 1) Max speed [RPM]		1.000			830			640			500		
Ağırlık [kg] Weight [lb]		130 (286)	150 (330)	160 (353)	200 (440)	220 (484)	240 (528)	370 (814)	400 (880)	430 (946)	730 (1.606)	820 (1.804)	910 (2.002)
Vuruş hacmi [dm³] Stoke volume [in³]		0,01 (0.62)			0,014 (0.85)			0,024 (1.46)			0,045 (2.75)		
Volume cilindro [lt] Cylinder Cap. [in³]		0,077 (4.69)			0,145 (8.849)			0,235 (14.34)			0,629 (38.39)		
İç hareketsizlik [Kgm²] Internals inertia [lb-ft²]		0,27 (6.41)	0,36 (8.54)	0,44 (10.44)	0,6 (14.24)	0,77 (18.27)	0,93 (22.07)	1,41 (33.46)	1,81 (42.95)	2,21 (52.44)	8,82 (209.3)	11,04 (261.98)	13,27 (314.9)
Dış hareketsizlik [Kgm²] Externals inertia [lb-ft²]		3,14 (74.51)	3,36 (79.73)	3,57 (84.72)	6,59 (156.38)	7,1 (168.48)	7,6 (180.35)	10,45 (247.98)	11,41 (270.76)	12,5 (296.63)	53,07 (1.259.4)	57,42 (1.362.6)	61,78 (1.466)
Fren torku (Dinamik) [Nm] Brake torque (Dyn.) [lbin]		5700 (50,445)	7600 (67,260)	9500 (84,075)	10500 (92,925)	14000 (123,900)	17500 (154,875)	21600 (191,160)	27800 (246,030)	34000 (300,900)	43250 (382,763)	55600 (492,060)	68000 (601,800)
Fren torku (Statik) [Nm] Brake torque (Stat.) [lbin]		8.850 (78,323)	11.800 (104,430)	14.750 (130,538)	16.300 (144,255)	21.750 (192,488)	27.200 (240,720)	33.600 (297,360)	43.200 (382,320)	52.850 (467,723)	67.250 (595,163)	86.450 (765,083)	105.750 (935,888)
Yağ basıncı [bar] Operating pressure [psi]		80 (1165)			80 (1165)			80 (1165)			80 (1165)		

1) Tek vuruş işlemleri için mühendislerimize danışın

1) For single stroke operations consult our engineering

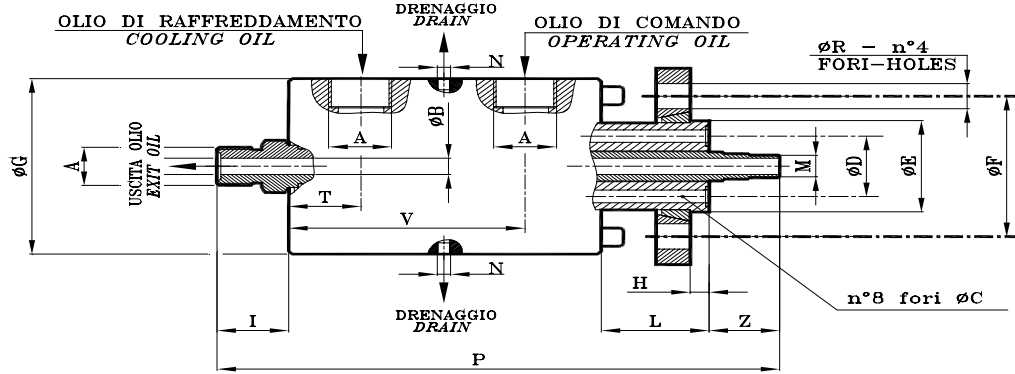
Teknik güncellemeler nedeniyle, önceden haber vermeksizin değişiklik yapma hakkını saklı tutar. Onlar internette satışa sunulacak (www.orphmek.com)

Due to technical updatings, we reserve the right to make changes without previous notice. They will be available on the internet (www.orphmek.com)

BAĞIMSIZ ÇİFT AKIŞ
DUAL INDEPENDENT FLOWSERİ
SERIES

SCP

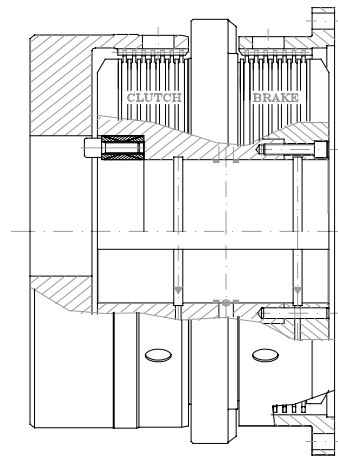
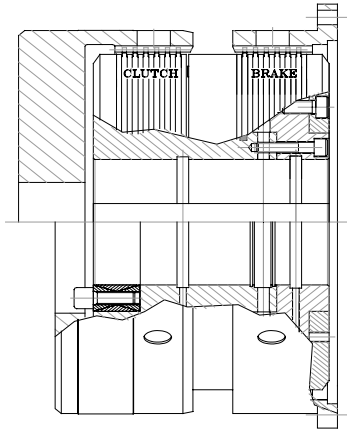
Boyut Size	A	B	C	D	E	F	G	H	I	L	M	N	P	R	T	V	Z
SCP.050	1/2"	13 (0.53)	6 (0.25)	37,5 (1.53)	52 (2.12)	85 (3.47)	98 (4)	8 (0.33)	30 (1.22)	48,5 (1.98)	M18	1/8"	298 (12.16)	14 (0.57)	56 (2.29)	112 (4.57)	48 (1.96)
SCP.075	3/4"	17 (0.69)	7,5 (0.31)	45 (1.84)	65 (2.65)	100 (4.08)	125 (5.01)	10 (0.41)	37 (1.51)	57 (2.33)	M24	1/4"	345 (14.08)	18 (0.73)	68 (2.78)	127 (5.18)	56 (2.28)
SCP.100	1"	22 (0.89)	8 (0.33)	48 (1.96)	65 (2.65)	100 (4.08)	139 (5.67)	10 (0.41)	45 (1.84)	57 (2.33)	M28	1/4"	375 (15.31)	18 (0.73)	75 (3.06)	141 (5.76)	62 (2.53)

DİĞER ÜRÜNLER
OTHER PRODUCTS

SERİ WO - WO SERIES

Fren grubu/ yağ içerisinde çalışan hidrolik kumandalı debriyaj
Hydraulically actuated clutch/brake units , wet running

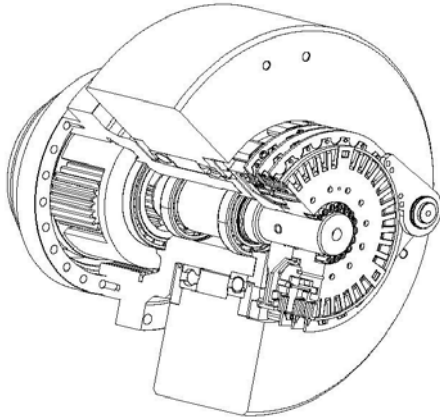
Debriyaj tork değerleri - Clutch torque values : 1.000 ÷ 445.000 Nm
Fren tork değerleri - Brake torque values : 200 ÷ 205.000 Nm



SERİ WA - WA SERIES

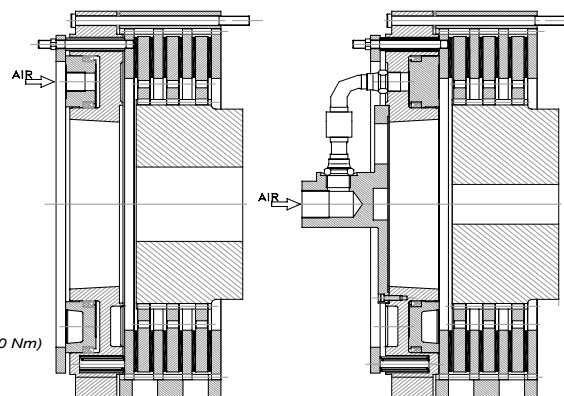
Fren grupları/yağ içerisinde çok diskle çalışan hava kumandalı debriyaj
Air actuated multi-plate clutch/brake units, wet running

Debriyaj tork değerleri - Clutch torque values : 3.000 ÷ 50.000 Nm
Fren tork değerleri - Brake torque values : 2000 ÷ 16.000 Nm



OMPIPACK

PNömatik veya hidrolik kavrama / fren ünitesi ile ön Montajlı sürücü,
hidrolik veya hava kumandalı debriyaj eksantrik üzerine monte
edebilmek için eksantrik turu düşürülebilir.
Preassembled drive with pneumatic or hydraulic clutch/brake unit, for
direct mounting on the crankshaft or on a further reduction



SERİ SB - SB SERIES

Yay basınçlı fren (tek, çift veya üç diskli) (Tork değerleri 33000 Nm)
Spring loaded brake (single, double or three-plate) (Torque value: up to 33000 Nm)

SERİ SK - SK SERIES

Hava kumandalı kavrama (tek, çift veya üç disk) (Tork değerleri 50000 Nm)
Air actuated clutch (single, double or three-plate) (Torque value: up to 50000)