SDS Performans

SDS Performance

n_1=1400

SDS	M_2 [Nm]	i	P_1 [kW]	n_2 [min^{-1}]	Fr_2 [N]
063	**128**	7.5	2.8	186.7	2359
	130	10	2.2	140.0	2597
	140	15	1.6	93.3	2973
	135	20	1.2	70.0	3272
	130	25	1.0	56.0	3524
	160	30	1.1	46.7	3745
	145	40	0.76	35.0	4122
	135	50	0.60	28.0	4440
	130	60	0.51	23.3	4719
075	**185**	7.5	4.1	186.7	2785
	195	10	3.2	140.0	3065
	200	15	2.3	93.3	3509
	210	20	1.9	70.0	3862
	200	25	1.5	56.0	4160
	230	30	1.5	46.7	4421
	220	40	1.1	35.0	4865
	210	50	0.89	28.0	5241
	200	60	0.75	23.3	5569
	190	80	0.58	17.5	6130
090	**290**	7.5	6.3	186.7	3081
	310	10	5.1	140.0	3391
	360	15	4.1	93.3	3882
	355	20	3.1	70.0	4273
	340	25	2.4	56.0	4603
	410	30	2.6	46.7	4891
	360	40	1.8	35.0	5383
	340	50	1.4	28.0	5799
	320	60	1.1	23.3	6163
	285	80	0.83	17.5	6783
	270	100	0.67	14.0	7306



SDA SERİSİ SONSUZ-HELİSEL DİŞLİ REDÜKTÖRLER

SDA Series Helical-Worm Gear Reducers

FINEX DRIVESYSTEMS

SDA serisi sonsuz-helisel dişli redüktörler
SDA series helical-worm gear units



MODEL NO. AÇIKLAMASI: / DESIGNATION:

SDA75 - 200 - FD1-ASL-A2 - 63B5 - B3 - B - IA 0.18-4 / 1

- **SDA75** — Tip / Type — Redüktör tipi / Reducer type
- **200** — Tahvil / Ratio — Çevrim oranı / Reduction ratio: **80, 100,125,150,200,250,300.....4000**
- **FD1-ASL-A2** — Çıkış / Output — Gövde büyüklüğü / Gearbox size: **50,63,75, 90, 110**
  - Flanş bağlantısı / Flange mounting: **FA, FB, FC, FD, FE** (Tip / Version); **1, 2** (Bağlantı Yönü / Mounting side)
  - Çıkış Mili / Output shaft: **ASL, ASR** (Tek Çıkış Mili / Single output shaft); **AB** (Çift Çıkış Mili / Double output shaft)
  - Tork kolu / Torque arm: **A1, A2**
- **63B5** — Giriş flanşı / Input flange — Giriş flanşı(motor bağlantı) / Input flange(Motor mounting): **B5, B14**
- **B3** — Kurulum Şekli / Mounting position: **B3, B6, B7, B8, V5,V6**
- **B** — Renk / Color: **B** = Gümüş Gri / Silver gray **L** = Mavi / Blue
- **IA** — Motor Tipi / Type: **IA,IAE,ID,IDE...**
- **0.18-4** — Elektrik Motoru / Electric motor: Elektrik Motoru / Motor power
- **1** — Klemens kutusu pozisyonu / Position of terminal box: **1, 2, 3, 4**
- **4** — Kutup sayısı / Poles number: **2, 4, 6**

SDA Serisi Özellikler

SDA serisi sonsuz-helisel dişli redüktörlerin 50-63-75-90-110 olmak üzere toplam beş gövdesi bulunmaktadır. SDA üç aşamalı aktarıma sahiptir.

Özellikler

- SDA ilk aşamada sonsuz dişli kullanır, çevrim oranı 4000'e kadar çıkabilir.
- SDR serisi sonsuz dişli redüktörlerle karşılaştırıldığında çevrim oranları yüksek, çıkış torku ve aktarım verimliliği daha fazladır.
- Dış ölçüler SDR ile hemen hemen aynıdır.
- Kurulum SDR serisi ile farksızdır.
- Standart SDR serisi ile delik çıkış mili ölçüleri standarttır.
- SDR serisi redüktör yedek parçaları kullanılabilir.

SDA Features

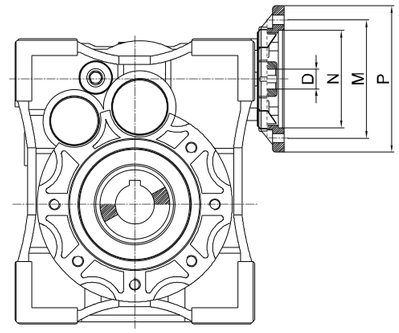
Helical worm gearbox have five specifications : 50-63-75-90-110 ,Using third transmission

Features

- First stage use worm gear,transmission ratio can be a maximum of 4000.
- Compared with SDA series, it has larger transmission ratio, greater output torque and higher efficiency.
- External dimensions are almost identical SDA series .
- Installation make no difference to SDA series.
- Relative to standard SDA series reducer, hollow output shaft diameter is undifferentiated .
- You can use all accessories of SDA series .

BAĞLANTI VE KOMBİNASYONLAR

DISPOSITION AND COMBINATIONS



SDA	PAM IEC	N	M	P	D 80	100	125	150	200	250	300	400	600	800	1000	1200	1600	2000	2400	3200	4000
50	56B14	50	65	80							9	9	9	9	9	9					
63	63B5	95	115	140	11	11	11	11	11	11	11										
	63B14	60	75	90																	
	56B5	80	100	120	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
	56B14	50	65	80																	
75	71B5	110	130	160	14	14	14	14	14	14	-										
	71B14	70	85	105																	
	63B5	95	115	140	11	11	11	11	11	11	11										
	63B14	60	75	90																	
	56B5	80	100	120	-	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
90	80B5	130	165	200	19	19	19	19	-	-	-										
	80B14	80	100	120																	
	71B5	110	130	160	14	14	14	14	14	14	14										
	71B14	70	85	105																	
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
110	90B5	130	165	200	24	24	24	-	-	-	-										
	90B14	95	115	140																	
	80B5	130	165	200	19	19	19	19	19	19	19										
	80B14	80	100	120																	
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
	71B14	70	85	105																	

Yukarıdaki tabloda sık kullanılan çevrim oranları verilmiştir, sonsuz vida/sonsuz dişli, helis dişli grubu kombinasyonlarını değiştirmek suretiyle farklı çevrim oranları elde edilebilir.

Yüksek çevrim oranlarında (i≥400) redüktörün çıkış torku üçüncü aşama dişli grubunun izin verilen en yüksek tork değerini kat kat aşmaktadır. Bu nedenle redüktörün yükü performans tablosunda belirtilen en yüksek tork değerlerinden büyük olamaz:

SDA50: 125N.m
SDA63: 200N.m
SDA75: 299N.m
SDA90: 416N.m
SDA110: 915N.m

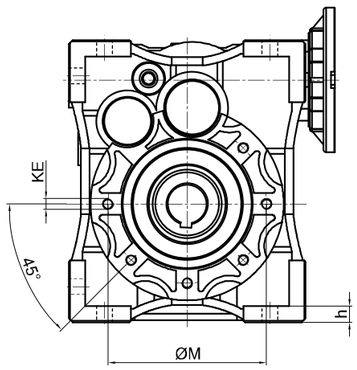
There are common ratios listed in the table, by changing the worm gear ratio and vice combined gear ratio to achieve more ratios.

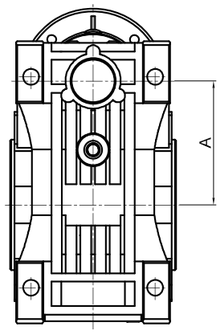
Large ratio (i≥400) gearbox output torque is far greater than the final stage gear maximum carrying capacity , therefore gearbox load cannot be larger than performance parameters maximum torque.

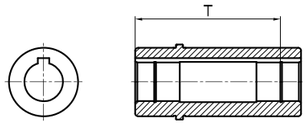
SDA50 : 125N.m
SDA63 : 200N.m
SDA75 : 299N.m
SDA90 : 416N.m
SDA110: 915N.m

SDA

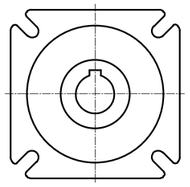
SDA Serisi Kurulum Ölçüleri
Series dimensions charts

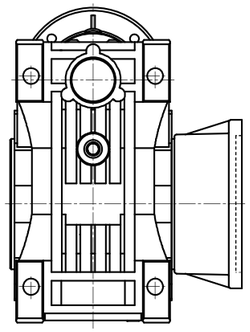






FA **FB** **FC** **FD** **FE**





	50	63	75	90	110
A	71.5	75.5	90	101	128.5
M	85	95	115	130	165
KE	M8 × 14 [n=4]	M8 × 14 [n=6]	M8 × 14 [n=6]	M10 × 18 [n=6]	M10 × 18 [n=6]
h	8	10	12	13	16
T	77	97	105	122	131
FA					
FB					
FC					
FD					
FE					

Belirtilmeyen değerler için SDR serisi ölçülerine başvurun.

For the missing dimensions refer to SDA series sample.

SDA

SDA Performans
SDA Performance

Tip / Type			63 [200Nm]																				
iAnma/Nominal			80			100			125			150			200			250			300		
iGerçek/Actual			79.87			101.26			122.42			150.25			204.68			244.46			298.7		
n_1 [min^{-1}]	p_1 [kW]	Motor motor	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.
2800	**0.18**	631-2	35.1	40	1.5	27.7	51	1.4	22.9	61	1.3	18.6	75	1.2	13.7	103	1.1	11.5	123	1.1	9.4	150	1
	0.25	632-2	35.1	56	1.3	27.7	70	1.2	22.9	85	1.2	18.6	105	1.1	13.7	142	1	11.5	170	1	9.4	208	0.9
1400	**0.06**	561-4										9.3	50	1.5	6.8	68	1.4	5.7	82	1.3	4.7	100	1.25
	0.09	562-4	17.5	40	1.5	13.8	51	1.4	11.4	61	1.4	9.3	75	1.3	6.8	103	1.2	5.7	123	1.15	4.4	150	1.1
	0.12	631-4	17.5	53	1.4	13.8	68	1.3	11.4	82	1.3	9.3	100	1.2	6.8	137	1.1	5.7	163	1	4.7	200	1
	0.18	632-4	17.5	80	1.2	13.8	101	1.15	11.4	123	1.1	9.3	151	1	6.8	205	0.9	5.7	245	0.9			

Tip / Type			75 [299Nm]																				
iAnma/Nominal			80			100			125			150			200			250			300		
iGerçek/Actual			79.87			101.26			122.42			150.25			204.68			244.46			298.7		
n_1 [min^{-1}]	p_1 [kW]	Motor motor	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.
2800	**0.18**	631-2	35,1	40	1,6	27.7	51	1.5	22,9	61	1,45	18.6	75	1.4	13.7	103	1.3	11.5	123	1.2	9.4	150	1,2
	0.25	632-2	35,1	56	1.5	27.7	70	1.4	22,9	85	1.3	18.6	105	1.2	13.7	142	1.1	11.5	170	1.1	9.4	208	1
	0.37	711-2	35.1	82	1.3	27.7	104	1.2	22.9	126	1.15	18.6	155	1.1	13.7	211	1	11.5	252	0.9	9.4	308	0.9
	0.55	712-2	35.1	122	1.1	27.7	155	1.1	22.9	187	1												
1400	**0.09**	562-4				13.8	51	1.6	11.4	61	1.5	9.3	75	1.5	6.8	103	1.4	5.7	123	1.3	4.4	150	1.2
	0.12	631-4	17.5	53	1.6	13.8	68	1.5	11.4	82	1.4	9.3	100	1.3	6.8	137	1.2	5.7	163	1.2	4.7	200	1.1
	0.18	632-4	17.5	80	1.4	13.8	101	1.3	11.4	123	1.2	9.3	151	1.2	6.8	205	1.1	5.7	245	1	4.7	299	1
	0.25	711-4	17.5	111	1.2	13.8	141	1.1	11.4	170	1.1	9.3	209	1	6.8	285	0.95	5.7	340	0.9			
	0.37	712-4	17.5	165	1.1	13.8	209	1	11.4	252	0.9	9.3	310	0.9									
900	**0.18**	711-6	11.3	125	1.2	8.9	158	1.1	7.4	191	1.1	6.0	234	1	4.4	319	0.9	3.7	381	0.85			
	0.25	712-6	11.3	173	1.1	8.9	219	1	7.4	265	0.95	6.0	325	0.9									

Type			90 [416Nm]																				
iAnma/Nominal			80			100			125			150			200			250			300		
iGerçek/Actual			79.87			101.26			122.42			150.25			204.68			244.46			298.7		
n_1 [min^{-1}]	p_1 [kW]	Motor motor	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.
2800	**0.18**	631-2													13.7	103	1.5	11.5	123	1.45	9.4	150	1.4
	0.25	632-2							22.9	85	1.6	18.6	105	1.5	13.7	142	1.4	11.5	170	1.3	9.4	208	1.2
	0.37	711-2	35.1	82	1.5	27.7	104	1.4	22.9	126	1.4	18.6	155	1.3	13.7	211	1.2	11.5	252	1.1	9.4	308	1.05
	0.55	712-2	35.1	122	1.3	27.7	155	1.3	22.9	187	1.2	18.6	230	1.1	13.7	313	1	11.5	374	0.95	9.4	457	0.9
	0.75	801-2	35.1	167	1.2	27.7	211	1.1	22.9	256	1.05	18.6	314	1	13.7	427	0.9						
	1.1	802-2	35.1	245	1.1	27.7	310	1	22.9	375	0.9												
1400	**0.12**	631-4							11.4	82	1.65	9.3	100	1.6	6.8	137	1.5	5.7	163	1.4	4.7	200	1.3
	0.18	632-4	17.5	80	1.6	13.8	101	1.5	11.4	123	1.45	9.3	151	1.4	6.8	205	1.3	5.7	245	1.2	4.7	299	1.1
	0.25	711-4	17.5	111	1.5	13.8	141	1.4	11.4	170	1.3	9.3	209	1.2	6.8	285	1.1	5.7	340	1.05	4.7	416	1
	0.37	712-4	17.5	165	1.3	13.8	209	1.2	11.4	252	1.1	9.3	310	1.05	6.8	422	0.9	5.7	504	0.9			
	0.55	801-4	17.5	245	1.1	13.8	310	1	11.4	375	0.95	9.3	460	0.9									
	0.75	802-4	17.5	334	1	13.8	423	0.9															
900	**0.18**	711-6	11.3	125	1.5	8.9	158	1.4	7.4	191	1.3	6.0	234	1.2	4.4	319	1.1	3.7	381	1	3,0	466	0,95
	0.25	712-6	11.3	173	1.3	8.9	219	1.2	7.4	265	1.1	6.0	325	1	4.4	443	0.95	3.7	529	0.9			
	0.37	801-6	11.3	256	1.1	8.9	325	1	7.4	392	0.95	6.0	482	0.9									
	0.55	802-6	11.3	381	1	8.9	482	0.9															

SDA

SDA Performans
SDA Performance

Tip / Type			110 [915Nm]																				
iAnma /Nominal			80			100			125			150			200			250			300		
iGerçek /Actual			79.87			101.26			122.42			150.25			204.68			244.46			298.7		
n_1 [min^{-1}]	p_1 [kW]	Motor motor	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.	n_2 [min^{-1}]	M_2 [Nm]	f.s.
2800	**0.37**	711-2										18.6	155	1.6	13.7	211	1.5	11.5	252	1.4	9.4	308	1.35
	0.55	712-2				27.7	155	1.6	22.9	187	1.5	18.6	230	1.4	13.7	313	1.3	11.5	374	1.25	9.4	457	1.2
	0.75	801-2	35.1	167	1.5	27.7	211	1.4	22.9	256	1.4	18.6	314	1.3	13.7	427	1.2	11.5	510	1.1	9.4	624	1
	1.1	802-2	35.1	245	1.3	27.7	310	1.2	22.9	375	1.2	18.6	460	1.1	1.7	627	1	11.5	749	0.9	9.4	915	0.85
	1.5	90S-2	35.1	334	1.2	27.7	423	1.1	22.9	511	1.05	18.6	628	1									
	2.2	90L-2	35.1	489	1	27.7	620	1	22.9	750	0.9												
1400	**0.25**	711-4										9.3	209	1.6	6.8	285	1.4	5.7	340	1.4	4.7	416	1.3
	0.37	712-4	17.5	165	1.6	13.8	209	1.5	11.4	252	1.4	9.3	310	1.4	6.8	422	1.2	5.7	504	1.2	4.7	615	1.1
	0.55	801-4	17.5	245	1.4	13.8	310	1.3	11.4	375	1.2	9.3	460	1.2	6.8	627	1.1	5.7	749	1	4.7	915	1
	0.75	802-4	17.5	334	1.3	13.8	423	1.2	11.4	511	1.1	9.3	628	1	6.8	855	0.9	5.7	1021	0.9			
	1.1	90S-4	17.5	489	1.1	13.8	620	1	11.4	750	0.9												
	1.5	90L-4	17.5	667	1																		
900	**0.18**	711-6							7.4	191	1.6	6.0	234	1.6	4.4	319	1.4	3.7	381	1.35	3.0	466	1.3
	0.25	712-6	11.3	173	1.6	8.9	219	1.6	7.4	265	1.5	6.0	325	1.4	4.4	443	1.3	3.7	529	1.2	3.0	647	1.1
	0.37	801-6	11.3	256	1.4	8.9	325	1.4	7.4	392	1.3	6.0	482	1.2	4.4	656	1.1	3.7	784	1	3.0	957	0.9
	0.55	802-6	11.3	381	1.2	8.9	482	1.2	7.4	583	1.1	6.0	716	1	4.4	975	0.9						
	0.75	90S-6	11.3	519	1.1	8.9	658	1	7.4	795	0.95												
	1.1	90L-6	11.3	761	0.9																		

FINEX DRIVESYSTEMS