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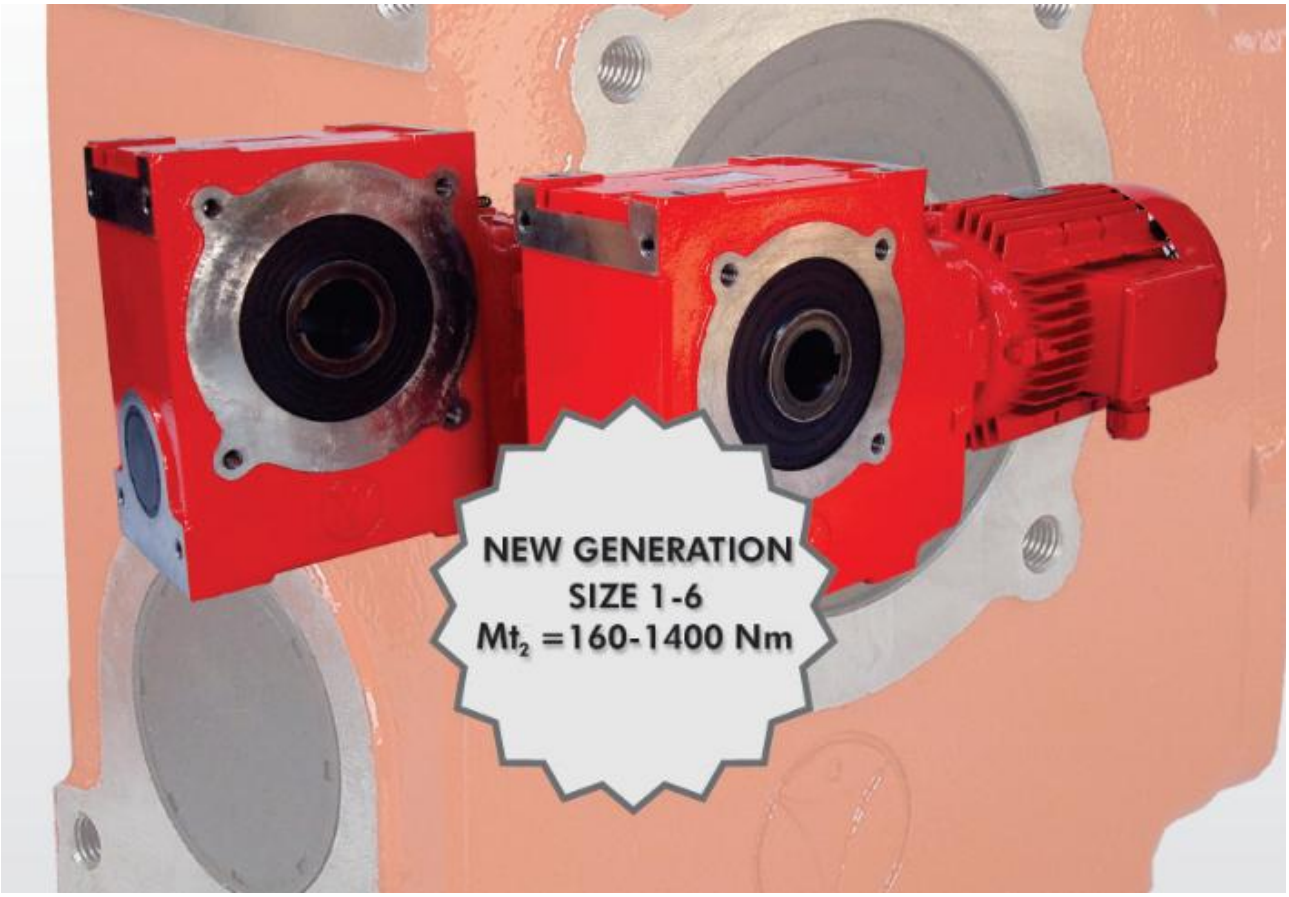

HELICAL WORM GEAR UNITS
STIRNRADSCHNECKENGETRIEBE

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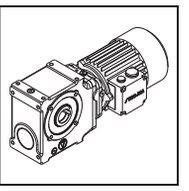

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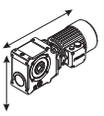	Dimension sheets - Geared motors Massbilder - Getriebemotoren	78
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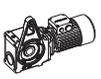	Torque Arm Drehmomentstutze	99
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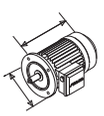	IEC motors basic data IEC Motoren Basisdaten	102

STROJNA® is a company with tradition. The company's beginnings go back into the year of 1906, when manufacturer Eylert established a workshop to repair textile machines. At that time, the company has already been producing gears and worm pairs.

During the World War II the company moved from Melje to 11 Linhartova street, where it is still located today. Until 1959, the company officiated under the name Remont, and later under the name Strojna.

Under the new name, it has begun a new period for the company. In 1962, Strojna started its own production program has began with serial production of helical and later with worm gear units.

During the years we developed a complete program of drive technique, which includes: helical gear units, worm gear units, helical worm gear units, planetary gear units, variable speed drives, Screw Jack, TA-STA gear units, modified gear units, flexible couplings and other elements of drive technique.

Our production capacities include modern high productive machines, which enable us to achieve high quality production with large series. Highly qualified staff, constant equipment updating, technology and quality improvement by using up to date technology, achievements and modern materials, make us recognizable and competitive in drive technique market.

Our research and development department is constantly working on new products of drive technique, closely cooperating with institutes, foreign partners and faculties. We are constantly looking in the future in order to offer modern and efficient gear units to our customers, in order to ensure us a leading position along with the biggest world manufacturers of drive technique.

Regardless of whether we mass-produce for you, deliver popular models on short-term notice, or manufacture individualized single components according to your specifications - we are consistently working on optimizing our customer-oriented service.

STROJNA® ist eine Firma mit Tradition. Der Anfang der Firma reicht ins Jahr 1906 zurück, als der Fabrikant Eylert eine Werkstatt zur Reparatur von Textilmaschinen gründete. Schon damals hat die Firma Zahnräder und Schneckenpaare hergestellt.

Im zweiten Weltkrieg zog die Firma von Melje zum neuen Standort Linhartova 11, wo sie sich noch heute befindet. Nach 1959 arbeitete die Firma unter dem Namen Remont und später unter dem Namen Strojna. Mit dem Wechsel des Namens begann für unsere Firma eine neue Ära. Im Jahre 1962 begann unsere eigene Produktion, die Herstellung von Stirnradgetrieben und später auch Schneckengetrieben.

Durch die Jahre haben wir ein komplettes Program für Antriebstechnik entwickelt, dass Stirnradgetriebe, Schneckengetriebe, Stirnschneckenradgetriebe, Planetengetriebe, Variatoren, Hubspindelgetriebe, TA-STA Getriebe, modifizierte Getriebe, elastische Kupplungen und Elemente für die Antriebstechnik beinhaltet.

Unsere Produktionskapazitäten enthalten moderne, hochproduktive Einheiten, die uns sowohl eine hochqualitative Produktion als auch Massenproduktion erlauben. Durch die ständigen Erneuerungen des Maschinenparks und dem Gebrauch von allerneuster Technologie in der Produktion und der Kontrolle von Stirn-, Schneckenradgetrieben, sowie der Gehäusebearbeitung, können wir auf dem Weltmarkt und der Konkurenz mithalten. In unserer Entwicklungsabteilung entwickeln wir, im Bereich Antriebstechnik, in Zusammenarbeit mit der Marburger Fakultät für Maschienenbau und verschiedenen ausländischen Partnern, ständig neue Produkte. Wir wollen unseren Kunden einen Service anbieten, der auf dem letzten Stand der Technik ist und uns so neben anderen Herstellern einen ebenbürdigen Platz auf dem Markt sichert.

Unser Auftrag ist, den Kunden mit unserer Qualität, die Kundenorientiert ist und dessen hohen Erwartungen entspricht, zu überzeugen. Der moderne Maschinenpark, die Qualitätskontrolle durch den ganzen Fertigungsprozess und die optimale Technologie machen es möglich, schnell, präzise und billig zu produzieren.

Wir vearbeiten nur hochwertige Materiale, setzen modernste Technologie ein, haben hochqualifizierten Mitarbeiter, Kontrollen und Testläufe, Dies Alles bedeutet Qualität, für die, die Firma Strojna bekannt.

Was auch immer wir für sie herstellen, sei es reguläre Produktion oder Teile nach ihrer Anfrage, bemühen wir uns die Arbeit ständig zu optimalisieren und Kundenorientiert zu sein.

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Sector of Trademarks, Industrial Designs
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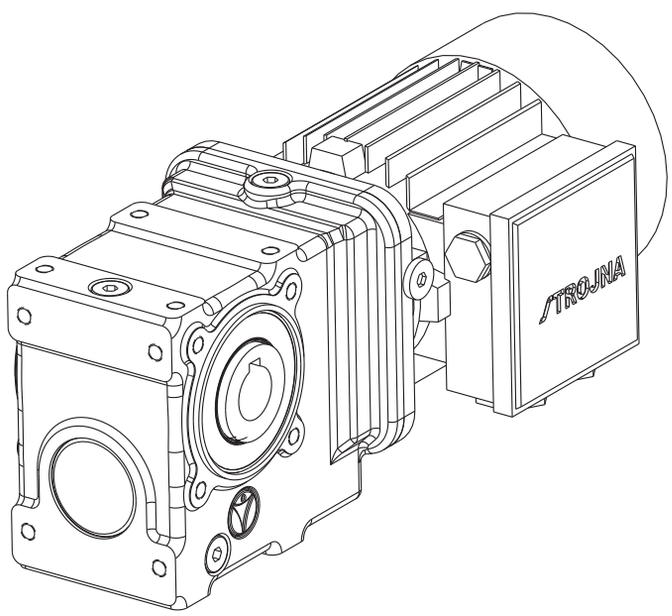
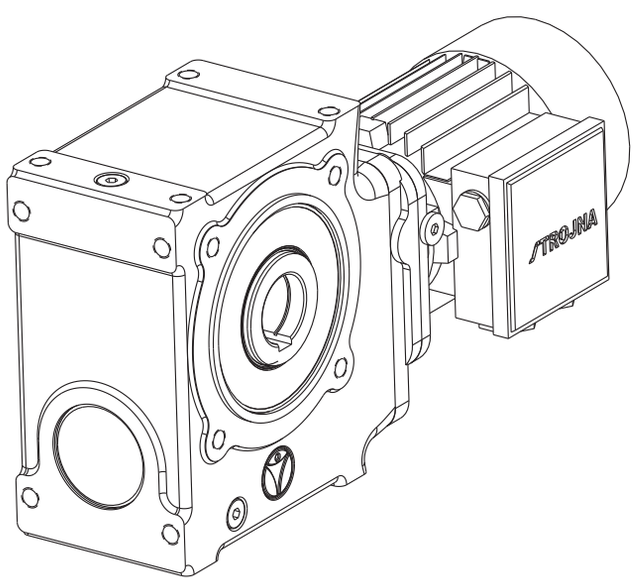




HELICAL WORM GEAR UNITS

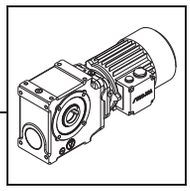
STIRNRADSCHNECKENGETRIEBE

1. Data for drive selection / Daten zur Antriebsauslegung

For precise selection of the right drive components, the following information are important.

Damit die komponenten für Ihren Antrieb eindeuitig festgelegt werden können, Müssen bestimmte Daten bekannt sein.

Required information / Allgemaine Daten	Abbrevation/ Kurzzeichen	Units/ Einheiten	your entry/ Ihr Eintrag
Type designation / Typenbezeichnung			
Geometric shape / Geometrische Form			
Mounting position / Einbaumform	N1,..,N2.		
Output speed (min max) / Abtriebsdrehzahl (min max)	n_2	min^{-1}	
Gear ratio / Übersetzungsverhältnis	i		
Output torque (min max) / Abtriebsmoment (min max)	M_{t2}	Nm	
Braking torque / Bremsmoment	T_k	Nm	
Minimal operating coefficient of machine / Min. Betriebsfaktor	f_{BR}		
Radial loads at output shaft / Querkraft - Abtriebswelle	F_{rr}	N	
Axial loads at output shaft / Axialkraft - Abtriebswelle	F_{ar}	N	
Rated power of motor / Nennleistung des Motors	P	kW	
Motor rated voltage / Betriebsspannung von Motor	U	V	
Brake rated voltage / Betriebsspannung von Bremse	U_k	V	
Frequency / Netzfrequenz	f	Hz	
Type of motor, EN 60034 / Motortyp, EN 60034	S1, S2,.		
Ambient temperature / Umgebungstemperatur	Θ	°C	
Altitude of installation location / Seehöhe des Aufstellungsorts	H	m	
- relative cyclic duration factor / - relative Eischaltdauer	ED	%	
- type of load / - Art der Belastung	I, II, III		
- duration of work / - tägliche Betriebsstunden	T	h/day / h/tag	
- number of starts per hour / - Schaltzahl pro Stunde	Z	1/h	
- mass moments of inertia of machine / - Massenträgsheitmomente des Maschine	JR	Kgm^2	



2. Type designation geared units / Typenbezeichnung - Getriebe

SG	4	3		-	50	GO	SMB		71B4	K2	N3	0	0
1	2	3	4		5	6	7	8	9	10	11	12	13
SG	1	2	-		50	MR	SMB	B14	63A2,4,6,8	K1	N3	0	0
	2	3	V		50	VS	SMR	B5	.....	K2	N4	1	1
	3		Z		50	ZP	B1		.....	EN	N5	2	2
	4		D			ZD	....		.....	PH	N6	3	3
	5		P		300/50		....		132M2,4,6,8		V1		
	6		P/V		300/50		B4				V2		
			P/D		300		A63						
			P/Z		300/50		....						
			M				....						
			S				A132						

LEGEND:

1. Helical worm gear unit
2. Size of gear unit
3. Gear stages code
4. Shaft execution
   - \- hollow shaft
   - **V** output shaft
   - **D** hollow shaft with shrink disc
   - **Z** with output shaft on both sides
   - **P** hollow shaft with bolt-on flange
   - **P/V** output shaft with bolt-on flange
   - **P/D** hollow shaft with bolt-on flange and shrink disc
   - **P/Z** with output shaft on both sides and with flange
   - **M** mixer
   - **S** separator
5. Dimensions output shafts, see dimensioned drawing
   Without mark, hole diameter in hollow shaft in mm
   - Variant **V**, diameter of output shaft in mm
   - Variant **Z**, diameter of shaft in mm
   - Variant **P**, diameter of flange in mm/ hole diameter in hollow shaft in mm
   - Variant **P/V**, diameter of flange in mm/ diameter of shaft in m
   - Variant **P/D**, diameter of flange in mm
   - Variant **P/Z**, diameter of flange in mm/ diameter of shaft in mm
6. Additional elements
   - **MR** - torque arm
   - **VS** - link circuit
   - **ZP** - protective lid
   - **ZD** - protective lid for shrink disc
7. Input connector
   SMB STROJNA motor type B
   SMR STROJNA motor type R
   B with input shaft from size 1-4
   A IEC adapter for motors with axle height 63-132 mm
8. Motor flange according to IEC
9. Motor size and number of poles

LEGENDE:

1. Stirnradschneckengetriebe
2. Getriebegröße
3. Zahnradstufencode
4. Wellenausführung
   - \- Hohlwelle
   - **V** Abtriebswelle
   - **D** Hohlwelle mit Schrumpfscheibe
   - **Z** beidseitige Abtriebswelle
   - **P** Hohlwelle mit Anbauflansche
   - **P/V** Abtriebswelle mit Anbauflansche
   - **P/D** Hohlwelle mit Anbauflansche un mit Schrumpfscheibe
   - **P/Z** beidseitige Abtriebswelle mit Anbauflansche
   - **M** Mischer
   - **S** Separator
5. Abmessungen Ausgabe Wellen, siehe Maßzeichnung
   Ohne Marke, Lochdurchmesser in Hohlwelle in mm
   - Variante **V**, Durchmesser der Abtriebswelle in mm
   - Variante **Z**, Durchmesser der Abtriebswelle in mm
   - Variante **P**, Flansche Durchmesser in mm / Lochdurchmesser in Hohlwelle in mm
   - Variante **P/V**, Flansche Durchmesser in mm / Durchmesser der Abtriebswelle in mm
   - Variante **P/D**, Flansche Durchmesser in mm
   - Variante **P/Z**, Flansche Durchmesser in mm / Durchmesser der Abtriebswelle in mm
6. Zusätzliche Elemente
   - **MR** - Drehmomentstütze
   - **VS** - Link Schaltung
   - **ZP** - Schutz-Deckel
   - **ZD** - Schutz-Deckel für Schrumpfscheibe
7. Eingang
   SMB STROJNA Motortyp B
   SMR STROJNA Motortyp R
   B mit eingangswelle größe von 1-4
   A IEC Adapter für Motoren mit Achse Höhe 63-132 mm
8. Motorflansch nach IEC
9. Motor Größe und Anzahl der Pole

10. Additional marking motor
    - **K1** brake without arm
    - **K2** brake with arm
    - **EN** encoder
    - **PH** forced cooling
11. Basic mounting position
12. Position of the terminal box
13. Position of the cable entry

10. Motor - Zusätzliche Kennzeichnung
    - **K1** Bremse, ohne Arm
    - **K2** Bremse mit Arm
    - **EN** encoder
    - **PH** Zwangskühlung
11. Basic Bauform
12. Bauform - Klemmkastenlage
13. Bauform - Kabeleinführung

3. Unit selection / Antriebsauswahl

a) Service factor

should always be less than or equal to the avaliable f_{BR} (from the selection table) for the chosen type.

$$f_B \geq f_{BR}$$

Load type I

Uniform load, small masses to be accelerated, no shocks Continuous conveyor for bulk goods, light conveyors, blowers, centrifugal pumps, light elevators, screw conveyors, fluid agitators. **K≤0,3**

Load type II

Bucket conveyors, rotary furnaces, printing and dyeing machines, conveyor drums, centrifugal pumps and semifluid good agitators, wood working machines, elevators, screw conveyors, concrete mixers. **K≤3,0**

Load type III

Extremely rough conditions, high masses to be accelerated, heavy shocks and alternating load. Ramming machines, calenders, duty rolling mills, presses, heavy mixer, stone crushers, shredders, heavy winches and lifts. **K≤10,0**

a) Betriebsfaktor

solte immer kleiner oder gleich dem verfügbaren f_{BR} (aus den Auswahltabellen) der gewählten Getriebetype sein

Belastungsart I

Gleichmäßiger betrieb, kleine zu beschleunigende Massen, keine Stöße Stetigförderer für Schüttgüter, leichte Förderbänder, Gebläse, Zentrifugalpumpen, leichte Elevatoren, Förderschnecken, Rührwerke für Flüssigkeiten. **K≤0,3**

Belastungsart II

Ungleichmäßiger betrieb, mittlere zu beschleunigende Massen, mittlere Stöße, Becherwerke, Drehöfen, Druckerei und Färbereimaschinen, Fördertrommeln, Kreiselpumpen und Rührwerke für halbflüssiges Gut, Holzbearbeitungsmaschinen, Lastaufzüge, Förderschnecken, Betonmischer. **K≤3,00**

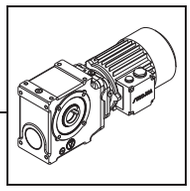
Belastungsart III

Stark ungleichmäßiger betrieb, größere zu beschleunigende Massen, heftige Stöße und Wechsellast Rüttelmaschinen, Kalander, Walzwerke, Pressen, schwere Mischer, Steinbrecher, Zerkleinerungsmaschinen, schwere Winden und Aufzüge. **K≤10,0**

Service factor f_{BR}:

Betriebsfaktor f_{BR}:

Operating time h/day Betriebsstunden h/tag	4 h			8h			16h			24h		
Number of starts/h Schaltzahl/h	<10	10...200	>200	<10	10...200	>200	<10	10...200	>200	<10	10...200	>200
Load type I Belastungsart I	0,80	0,90	1,00	0,90	1,00	1,10	1,00	1,10	1,20	1,20	1,30	1,50
Load type II Belastungsart II	1,00	1,10	1,30	1,10	1,20	1,30	1,20	1,40	1,50	1,40	1,50	1,60
Load type III Belastungsart III	1,30	1,40	1,50	1,40	1,50	1,60	1,50	1,60	1,70	1,60	1,70	1,80



$$K = \frac{J_R}{J_M}$$

$$J_R = \frac{98{,}2 \cdot \rho \cdot l \cdot d_a^{\,4}}{i^2}$$

mass moment of inertia for solid cylinder; diameter **da** and length **l** /
Massenträgheitsmoment - Vollzylinder mit durchmesser **da** und Länge **l**

$$J_R = \frac{98{,}2 \cdot \rho \cdot l \cdot \left(d_a^{\,4} - d_i^{\,4}\right)}{i^2}$$

mass moment of inertia for hollow cylinder; diameter of hole **di** /
Massenträgheitsmoment Hohlzylinder, Lochdurchmesser **di**

$$J_R = 98{,}2 \cdot m \cdot \left(\frac{v}{n_1}\right)^2$$

mass moment of inertia; diameter **m**, linearly moving at **v** /
Massenträheitsmoment mit durchmesser **m**, linear bewegter **v**

J_M

mass moment of inertia motor /
Massenträgheitsmoment des Eintriebsmotors

b) Radial and axial loads / Querkraft und Axialkraft

acting on the shaft center, should always be less than or equal to the avaliable loads for the chosen type gear unit. /
des Getriebemotores, auf wellenendmitte, sollte immer kleiner oder gleich zu den verfügbaren Belastungen für die gewählte Getriebe sein.

$$F_r \geq F_{rr} \quad \text{in} \quad F_a \geq F_{ar}$$

Actual radial force depends on the transmission element mounted /
Tatsächliche radiale kraft hängt von der Übertragung element montiert

$$F_{rr} = \frac{2000 \cdot Mt_2}{d_o} f_Z \ [N]$$

Mt2 (Nm) output torque /
Mt2 (Nm) Abtriebsmoment
do (mm) middle diameter of transmission element /
do (mm) mittleren Durchmesser der übertragung Element

Transmission elements / Übertragungselement	f_z	Note / Bemerkung
Gear wheels / Zahnräder	1,15	Z ≤17
Sprockets / Kettenräder	1,25	Z > 13
Sprockets / Kettenräder	1,40	Z ≥13
V - belts / Keilriemen	1,80	influence of tensile forces / Einfluss der Zugkräfte
Flat belts / Flachriemen	2,50	influence of tensile forces / Einfluss der Zugkräfte

4. Thermal power limit / Thermische Grenzleistung

is maximal permissible input power at gear box surface temperature 80 °C, for different ambient temperatures, please use the following tables. In case of additional technical measures, using synthetic oil and FPM oil seals, permitted surface temperature can be extended up to 100 °C. /

ist maximal zulässige Eingangsleistung am Getriebe Oberflächentemperatur 80 °C, für verschiedene Umgebungstemperaturen, benutzen Sie bitte die folgenden Tabellen. Durch zusätzliche techniche maßnehmen, syntetische schmirmittel und FPM, kann die zulässige getriebeoberflächentemperatur auf 100 °C erweitert werden.

$$Pt = \frac{Pg}{1 - \frac{\eta}{100}} \ [kW]$$

Pg - allowable heat losses / zulässigen wärmeverluste (see table page 10 / aus tabelle, seite 10)
η - efficiency of gear unit / wirkungsrad des getriebes (see table page 27-48 / aus tabelle, seite 27-48)

Datas in tables are valid for:
- STROJNA motor with standard gear unit
- mounting position: N3, V1, V2
- input speed, ≤1700 min^{-1}
- arrangement of work: S1

Daten in den Tabellen sind gültig für:
- STROJNA Motor und standard Getriebe
- Einbaumform: N3, V1, V2
- Abtriebsdrehzahl, ≤1700 min^{-1}
- Vermittlung von Arbeit: S1

SG	Permissible thermal power loss, P_g [kW] / Zulässige termische Verleistung, P_g [kW]								
	Ambient temperature, Θ [°C] / Umgebungstemperatur, Θ [°C]								
	-20	-10	0	10	20	30	40	50	60
1	0,25	0,23	0,20	0,18	0,15	0,12	0,09	0,06	0,04
2	0,40	0,35	0,32	0,28	0,23	0,18	0,15	0,11	0,07
3	0,61	0,56	0,50	0,42	0,35	0,30	0,22	0,17	0,11
4	0,76	0,70	0,60	0,53	0,43	0,38	0,30	0,22	0,13
5	0,95	0,87	0,77	0,68	0,57	0,48	0,36	0,25	0,15
6	1,21	1,10	0,96	0,80	0,70	0,60	0,40	0,32	0,21

The table above shows that Pg for the ambient temperature of 30 °C is 0,18kW; (Pg=0,18kW). / Pg aus Tabelle bei einer umgebungstemperatur von 30 °C ist 0,18 kW (Pg=0,18kW).

If we include this in the formula for Pt, we get: / Durch die nachfolgende formel für Pt, errechnet sich:

$$Pt = \frac{Pg}{1 - \frac{\eta}{100}} \left[kW\right] \qquad Pt = \frac{0,18}{1 - \frac{62}{100}} = 0,47 \left[kW\right]$$

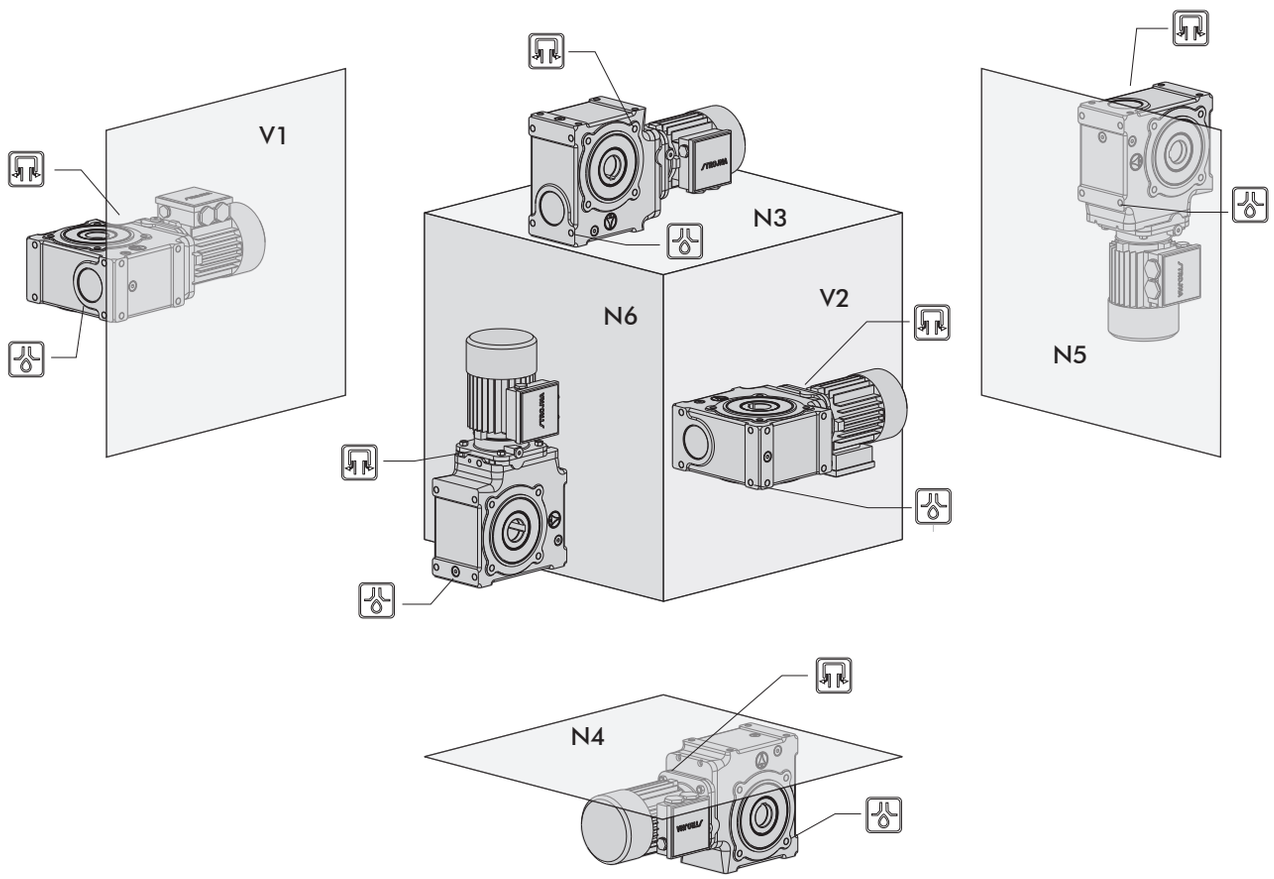
Additional thermal power correction is done according to the formula /
Die zulässigen eintriebsleistung (thermische grenze) errechet sich durch die nachfolgende formel

$$P_{td} = P_t \times k_1 \times k_2 \times k_3 \times k_4 \times k_5$$

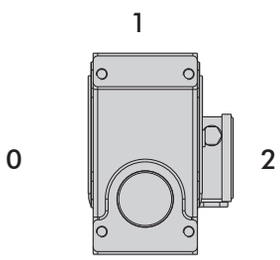
IEC adapter or input shaft / IEC Adapter oder Eingangswelle		k1	0,70
Mounting position / Einbaumform: N4, N5, N6		k2	0,75
Input speed / Abtriebsdrehzahl > 1700 min^{-1}		k3	0,70
Duty on intermittent load S3...S6 Steuer auf intermitterende Belastung S3...S6	40 min	k4	1,25
	25 min		1,50
	15 min		1,80
	10 min		2,00
Synthetic lubricant + FPM / Synthetische Schmiermittel + FPM		k5	1,60

5. Mounting positions / Bauform

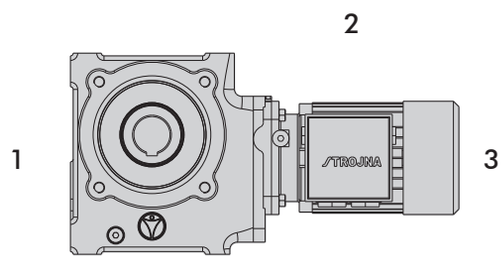
Vent plug / Entlüftungschraube
Drain plug / Ölablasschraube



Position of the terminal box
Lage des Klemmkastens



Cable entry
Lage des Kabeleinführung



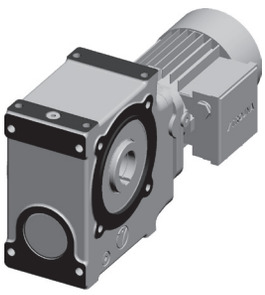
6. Oil type & quantity / Öltyp und menge

SG	Mounting position / Bauform					
	N3	N4	N5	N6	V1	V2
12	0,55	0,65	0,7	0,8	0,6	0,6
22	0,7	0,75	0,8	0,9	0,9	0,9
32	0,9	1,0	1,1	1,2	1,2	1,2
33	1,3	1,7	1,6	1,8	1,4	1,4
42	1,1	1,5	1,7	2,0	1,6	1,6
43	1,5	1,8	1,9	2,1	1,7	1,7
52	1,7	2,1	2,2	2,5	1,8	1,8
53	1,9	2,5	2,6	3,0	2,0	1,9
62	2,3	2,8	2,9	3,1	2,3	2,4
63	2,4	3,0	3,1	3,5	2,6	2,7

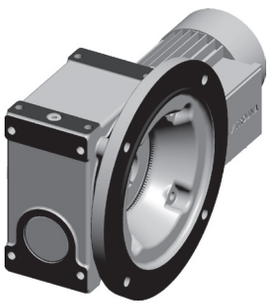
Ambijent °C	DIN (ISO)	ISO VG	Oil type / Öltyp			
			ARAL	CASTROL	SHELL	MOBIL
-20°C÷+80°C	CLP PG	460	Degol GS 460	Alphasyn PG 460	Tivela S 460	Glygoyle 460
-25°C÷+60°C	CLP PG	220	Degol GS 220	Alphasyn PG 220	Tivela S 220	Glygoyle 220
-40°C÷+20°C	CLP HC	220	Degol PAS 220	Alphasyn T 220	Omala 220 HD	Mobil SHC 630
-20°C÷+40°C	HCE	220	Eural Gear 220	Optileb GT 220	Cassida GL 220	Glygoyle 220

Gear unit design / Getriebeausführung

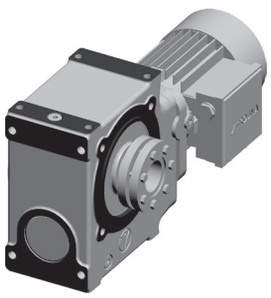
SG...SMB/SMR



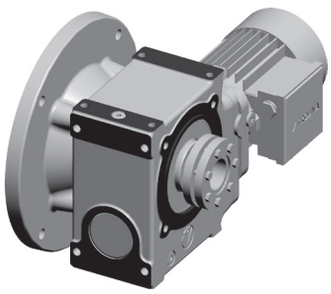
SG...P...



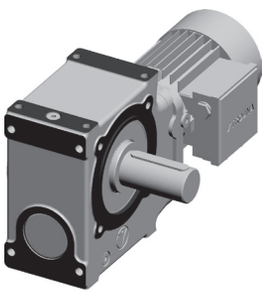
SG...D...



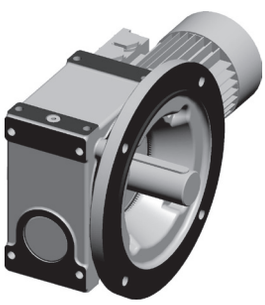
SG...PD...



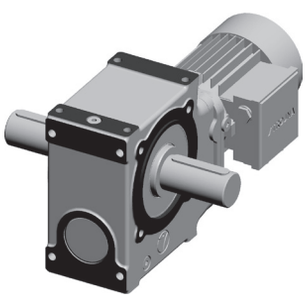
SG...V...



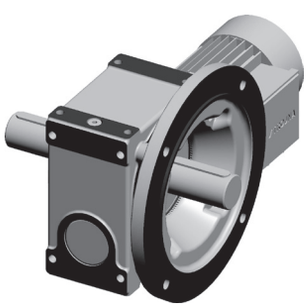
SG...PV...

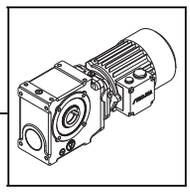


SG...Z...



SG...PZ...





Structure of selection tables

Aussbau der Auswahltabellen

Gear unit type / Getriebetype

Nominal output torque / Nenndrehmoment

Motor speed / Motorsdrehzahl

Motor frame size / Motor baugrosse

SG53, n_1=1400 min^{-1}												1200 Nm
n_2	Mt_{2max}	(F_r=0) F_a	(F_a=0) F_r	j_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132

Worm gear pair ratio / Schnecke Paar Übersetzung

Total ratio / Gesamtübersetzung

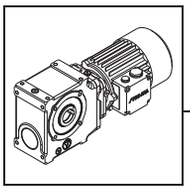
Backlash / Verdrehspiel

Permissible radial load / Zulläsiges Radialcraft

Permissible axial load / Zulläsiges axialcraft

Permissible output torque (f_B=1,0) / Zulläsiges drehmoment (f_B=1,0)

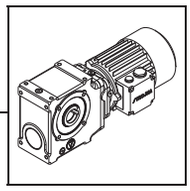
Gear unit output speed /Abtriebsdrehzahl (Getriebe)



Mt_2[Nm]

SG12, n_1=1400 min^{-1}												160 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
5,7	164	6,3	7,4	-	245,78	28/1						
6,4	163	6,3	7,4	-	218,40							
7,0	163	6,3	7,4	-	201,09							
7,7	162	6,3	7,4	-	182,00							
8,7	160	6,3	7,4	-	161,54							
10	159	6,3	7,4	-	140,00							
11	158	6,3	7,4	-	126,00							
12	156	6,3	7,4	-	114,15							
13	155	6,3	7,4	-	104,00							
15	153	6,3	7,4	-	93,33							
16	152	6,3	7,4	-	88,31							
18	150	6,3	7,4	-	77,00							
21	147	6,3	7,4	-	66,50							
24	144	6,3	7,4	-	59,29							
26	142	6,3	7,4	-	52,89							
29	139	6,1	7,2	-	47,60							
32	137	6,1	7,1	-	44,15							
37	133	5,9	6,9	-	38,00							
44	127	5,6	6,6	-	31,61							
50	123	5,3	6,3	-	28,00							
21	137	6,4	7,5	-	67,30	23/3						
23	136	6,4	7,5	-	59,80							
25	136	6,4	7,5	-	55,06							
28	135	6,1	7,1	-	49,83							
32	134	6,0	7,0	-	44,23							
37	132	5,7	6,7	-	38,33							
41	131	5,5	6,5	-	34,50							
45	130	5,2	6,1	-	31,26							
49	129	5,0	5,9	-	28,48							
55	127	4,8	5,6	-	25,56							
58	127	4,6	5,4	-	24,18							
66	124	4,4	5,2	-	21,08							
77	122	4,3	5,0	-	18,21							
86	120	4,2	4,9	-	16,24							
97	117	4,1	4,8	-	14,48							
107	115	3,9	4,6	-	13,03							
116	111	3,7	4,4	-	12,09							
135	108	3,6	4,2	-	10,40							
162	104	3,2	3,8	-	8,66							
183	101	3,1	3,6	-	7,67							

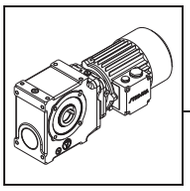
** On Request/Auf Anfrage



SG22, n_1=1400 min^{-1}												260 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
4,2	222	8,7	10,3	-	333,56	38/1						
4,7	222	8,8	10,4	-	296,40							
5,1	222	8,8	10,4	-	272,91							
5,7	222	8,8	10,4	-	247,00							
6,4	222	8,8	10,4	-	219,23							
7,4	222	8,8	10,4	-	190,00							
8,2	222	8,8	10,4	-	171,00							
9,0	222	8,8	10,4	-	154,92							
9,9	222	8,8	10,4	-	141,14							
11	222	8,8	10,4	-	126,67							
12	222	8,8	10,4	-	119,85							
13	222	8,8	10,4	-	104,50							
16	222	8,8	10,4	-	90,25							
17	222	8,8	10,4	-	80,47							
20	222	8,8	10,4	-	71,78							
22	219	8,8	10,4	-	64,60							
23	216	8,8	10,4	-	59,92							
27	210	8,8	10,4	-	51,57							
33	200	8,8	10,4	-	42,90							
37	194	8,8	10,4	-	38,00							
15	270	8,8	10,4	-	93,63	32/3						
17	268	8,8	10,4	-	83,20							
18	267	8,8	10,4	-	76,61							
20	265	8,8	10,4	-	69,33							
23	263	8,8	10,4	-	61,54							
26	260	8,8	10,4	-	53,33							
29	258	8,8	10,4	-	48,00							
32	255	8,9	10,5	-	43,49							
35	253	8,9	10,5	-	39,62							
39	250	8,9	10,5	-	35,56							
42	248	8,8	10,4	-	33,64							
48	243	8,7	10,2	-	29,33							
55	238	8,6	10,1	-	25,33							
62	234	8,4	9,8	-	22,59							
69	229	8,2	9,6	-	20,15							
77	224	7,9	9,3	-	18,13							
83	223	7,8	9,1	-	16,82							
97	213	7,4	8,7	-	14,48							
116	202	7,0	8,3	-	12,04							
131	195	6,7	7,9	-	10,67							

** On Request/Auf Anfrage

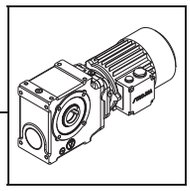
Mt_2[Nm]



Mt_2[Nm]

SG33, n_1=1400 min^{-1}												**540 Nm**
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	**IEC/SMB/SMR**					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			**63-71**	**80**	**90**	**100**	**112**	**132**
0,86	539	**	**	-	1628,28	35/1						
1,0	530	8,9	10,5	-	1446,90							
1,1	522	9,1	10,7	-	1332,23							
1,2	515	9,3	10,9	-	1205,75							
1,3	508	9,4	11,1	-	1070,19							
1,5	497	9,6	11,3	-	927,50							
1,7	487	9,8	11,5	-	834,75							
1,9	478	9,9	11,7	-	756,27							
2,0	474	9,9	11,7	-	689,00							
2,3	464	10,0	11,7	-	618,33							
2,4	461	10,0	11,7	-	585,04							
2,7	458	10,0	11,7	-	510,13							
3,2	458	10,0	11,7	-	440,56							
3,6	458	10,0	11,8	-	392,82							
4,0	458	10,0	11,8	-	350,39							
4,4	458	10,0	11,8	-	315,35							
4,8	458	10,1	11,9	-	292,52							
5,6	458	10,1	11,9	-	251,75							
6,7	458	10,2	11,9	-	209,44							
7,5	458	10,2	12,0	-	185,50							

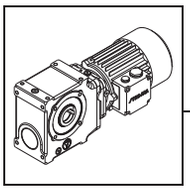
** On Request/Auf Anfrage



SG32, n_1=1400 min^{-1}												460 Nm
n_2	Mt_{2max}	(F_r=0) F_a	(F_a=0) F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
3,6	458	9,9	11,7	-	385,00	35/1						
4,1	458	10,2	12,0	-	343,00							
4,5	458	10,3	12,1	-	308,64							
4,9	458	10,3	12,1	-	285,83							
5,4	458	10,3	12,1	-	261,15							
6,3	458	10,3	12,1	-	222,73							
7,0	458	10,3	12,1	-	201,25							
7,6	458	10,3	12,2	-	183,08							
8,4	458	10,4	12,2	-	167,50							
8,9	458	10,4	12,2	-	157,50							
9,8	458	10,4	12,3	-	142,69							
11	458	10,5	12,3	-	125,42							
13	458	10,6	12,4	-	109,38							
14	458	10,6	12,5	-	100,88							
15	458	10,7	12,5	-	93,33							
17	458	10,7	12,6	-	80,50							
18	458	10,7	12,6	-	76,73							
20	458	10,7	12,6	-	68,75							
24	448	10,7	12,6	-	58,71							
28	428	10,7	12,6	-	50,44							
32	407	10,7	12,6	-	43,51							
39	379	10,7	12,6	-	35,85							
15	489	10,9	12,8	-	95,33	26/3						
16	485	10,7	12,6	-	84,93							
18	481	10,7	12,6	-	76,42							
20	478	10,7	12,6	-	70,78							
22	475	10,7	12,6	-	64,67							
25	468	10,7	12,6	-	55,15							
28	463	10,7	12,6	-	49,83							
31	458	10,7	12,6	-	45,33							
34	453	10,7	12,6	-	41,48							
36	449	10,7	12,6	-	39,00							
40	443	10,7	12,6	-	35,33							
45	434	10,7	12,6	-	31,06							
52	423	10,7	12,6	-	27,08							
56	417	10,7	12,6	-	24,98							
61	410	10,7	12,6	-	23,11							
70	397	10,7	12,6	-	19,93							
74	392	10,7	12,6	-	19,00							
82	381	10,4	12,3	-	17,02							
96	365	9,0	10,5	-	14,54							
112	348	8,6	10,1	-	12,49							
130	330	8,2	9,7	-	10,77							
158	306	8,0	9,4	-	8,88							

Mt_2[Nm]

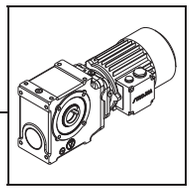
** On Request/Auf Anfrage



Mt_2[Nm]

SG43, n_1=1400 min^{-1}												750 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	j_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
0,72	744	**	**	-	1953,93	42/1						
0,81	729	**	**	-	1736,28							
0,88	715	**	**	-	1598,67							
1,0	703	11,8	13,9	-	1446,90							
1,1	693	11,8	13,9	-	1284,23							
1,3	674	11,8	13,9	-	1113,00							
1,4	666	11,8	13,9	-	1001,70							
1,5	659	11,8	13,9	-	907,52							
1,7	646	11,8	13,9	-	826,80							
1,9	635	11,8	13,9	-	742,00							
2,0	629	11,8	13,9	-	702,05							
2,3	616	12,1	14,3	-	612,15							
2,6	607	12,4	14,5	-	528,68							
3,0	607	12,5	14,7	-	471,39							
3,3	607	12,5	14,7	-	420,47							
3,7	607	12,5	14,7	-	378,42							
4,0	607	12,5	14,7	-	351,02							
4,6	607	12,5	14,7	-	302,10							
5,6	607	12,5	14,7	-	251,32							
6,3	607	12,5	14,7	-	222,60							

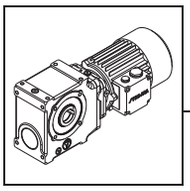
** On Request/Auf Anfrage



SG42, n_1=1400 min^{-1}												750 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
3,0	607	12,5	14,7	-	462,00	42/1						
3,4	607	12,5	14,7	-	411,60							
3,8	607	12,5	14,7	-	370,36							
4,1	607	12,5	14,7	-	343,00							
4,5	607	12,5	14,7	-	313,38							
5,2	607	12,5	14,7	-	267,27							
5,8	607	12,6	14,8	-	241,50							
6,4	607	12,6	14,8	-	219,69							
7,0	607	12,7	14,9	-	201,00							
7,4	607	12,8	15,1	-	189,00							
8,2	607	12,9	15,2	-	171,23							
9,3	607	13,0	15,3	-	150,50							
11	607	13,0	15,3	-	131,25							
12	607	13,0	15,3	-	121,06							
13	607	13,1	15,4	-	112,00							
14	607	13,2	15,5	-	96,60							
15	607	13,2	15,6	-	92,08							
17	607	13,4	15,8	-	82,50							
20	607	13,7	16,1	-	70,45							
23	607	13,7	16,2	-	60,53							
27	607	13,7	16,2	-	52,22							
33	607	13,7	16,2	-	43,02							
12	768	14,1	16,6	-	113,67	31/3						
14	762	13,9	16,3	-	101,27							
15	756	13,5	15,9	-	91,12							
17	752	13,3	15,7	-	84,39							
18	746	13,3	15,7	-	77,10							
21	735	13,3	15,7	-	65,76							
24	727	13,3	15,7	-	59,42							
26	719	13,3	15,7	-	54,05							
28	711	13,3	15,7	-	49,45							
30	705	13,0	15,2	-	46,50							
33	696	12,6	14,8	-	42,13							
38	681	12,0	14,2	-	37,03							
43	665	11,8	13,9	-	32,29							
47	655	11,6	13,7	-	29,78							
51	645	11,2	13,2	-	27,56							
59	624	10,7	12,6	-	23,77							
62	616	10,4	12,3	-	22,65							
69	599	9,9	11,7	-	20,30							
81	573	9,6	11,3	-	17,33							
94	546	9,2	10,8	-	14,89							
109	519	8,9	10,5	-	12,85							
132	495	8,4	9,9	-	10,59							

Mt_2[Nm]

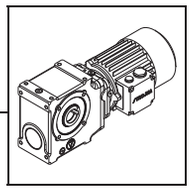
** On Request/Auf Anfrage



Mt_2[Nm]

SG53, n_1=1400 min^{-1}												1200 Nm
n_2	Mt_{2max}	(F_r=0) F_a	(F_a=0) F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
0,51	1174	**	**	-	2760,61	37/1						
0,57	1172	**	**	-	2453,10							
0,62	1172	**	**	-	2258,68							
0,68	1170	**	**	-	2044,25							
0,77	1148	**	**	-	1814,42							
0,89	1146	**	**	-	1572,50							
1,0	1127	7,2	8,5	-	1415,25							
1,1	1110	7,2	8,5	-	1282,19							
1,2	1095	7,2	8,5	-	1168,14							
1,3	1080	7,2	8,5	-	1048,33							
1,4	1068	7,2	8,5	-	991,88							
1,6	1045	7,2	8,5	-	864,88							
1,9	1017	7,7	9,0	-	746,94							
2,1	1001	8,4	9,9	-	666,00							
2,4	979	8,5	10,0	-	594,06							
2,6	973	8,5	10,0	-	534,65							
2,8	973	8,6	10,1	-	495,94							
3,3	973	8,6	10,2	-	426,82							
3,9	973	8,6	10,2	-	355,08							
4,5	973	8,8	10,4	-	314,50							

** On Request/Auf Anfrage

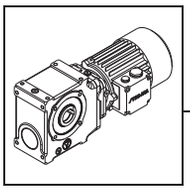


SG52, n_1=1400 min^{-1} **980 Nm**

n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
3,3	973	8,6	10,2	-	430,55							
3,6	973	8,6	10,2	-	391,58							
3,8	973	8,6	10,2	-	364,31							
4,5	973	9,0	10,5	-	312,82							
4,9	973	9,2	10,8	-	283,67							
5,3	973	9,4	11,0	-	264,69							
5,8	973	9,5	11,2	-	240,50							
6,4	973	9,8	11,5	-	218,92							
7,0	973	10,1	11,8	-	199,23							
8,0	973	10,3	12,2	-	175,75							
8,8	973	10,3	12,2	-	159,56							
9,6	973	10,4	12,3	-	145,82	37/1						
10	973	10,5	12,4	-	137,72							
12	973	10,7	12,6	-	120,25							
13	961	10,9	12,9	-	106,89							
14	944	11,2	13,2	-	97,37							
17	915	11,6	13,6	-	84,57							
19	887	11,8	13,9	-	74,00							
23	843	12,0	14,2	-	61,19							
27	797	12,1	14,3	-	51,03							
33	750	12,1	14,3	-	42,78							
37	717	11,9	14,0	-	38,06							
13	948	14,1	16,6	-	104,73							
15	942	13,3	15,7	-	95,25							
16	938	13,1	15,4	-	88,62							
18	927	12,1	14,3	-	76,09							
20	920	12,0	14,1	-	69,00							
22	914	11,8	13,9	-	64,38							
24	908	11,6	13,7	-	58,50							
26	897	11,5	13,6	-	53,25							
29	887	11,5	13,6	-	48,46							
33	873	11,5	13,5	-	42,75							
36	861	11,4	13,4	-	38,81							
39	850	11,3	13,3	-	35,47	27/3						
42	842	11,2	13,2	-	33,50							
48	822	11,1	13,1	-	29,25							
54	804	11,0	12,9	-	26,00							
59	788	10,7	12,5	-	23,68							
68	763	9,9	11,6	-	20,57							
78	738	9,4	11,0	-	18,00							
94	698	9,1	10,7	-	14,88							
113	658	9,0	10,5	-	12,41							
135	617	8,8	10,4	-	10,41							
151	589	8,5	10,0	-	9,26							

Mt_2[Nm]

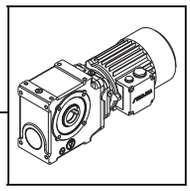
** On Request/Auf Anfrage



Mt_2[Nm]

SG63, n_1=1400 min^{-1}												1400 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
0,44	1413	**	**	-	3208,28	43/1						
0,49	1413	**	**	-	2850,90							
0,53	1413	**	**	-	2624,95							
0,59	1413	**	**	-	2375,75							
0,66	1386	**	**	-	2108,65							
0,77	1357	**	**	-	1827,50							
0,85	1331	**	**	-	1644,75							
0,94	1331	**	**	-	1490,12							
1,0	1309	13,7	16,2	-	1357,57							
1,1	1289	13,7	16,2	-	1218,33							
1,2	1271	13,7	16,2	-	1152,73							
1,4	1240	13,7	16,2	-	1005,13							
1,6	1215	13,7	16,2	-	868,06							
1,8	1192	13,7	16,2	-	774,00							
2,0	1172	13,6	16,0	-	690,39							
2,3	1146	13,5	15,9	-	621,35							
2,4	1138	13,4	15,8	-	576,37							
2,8	1131	13,2	15,6	-	496,04							
3,4	1131	13,2	15,5	-	412,66							
3,8	1131	13,1	15,4	-	365,50							

** On Request/Auf Anfrage

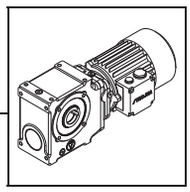


SG62, n_1=1400 min^{-1}												1250 Nm
n_2	Mt_{2max}	$(F_r=0)$ F_a	$(F_a=0)$ F_r	i_t	i	i_{pp}	IEC/SMB/SMR					
[min^{-1}]	[Nm]	[kN]	[kN]	[']			63-71	80	90	100	112	132
2,8	1131	13,1	15,4	-	500,36	43/1						
3,1	1131	13,1	15,4	-	455,08							
3,3	1131	13,1	15,4	-	423,38							
3,9	1131	13,4	15,7	-	363,55							
4,2	1131	13,4	15,8	-	329,67							
4,6	1131	13,5	15,8	-	307,62							
5,0	1131	13,5	15,9	-	279,50							
5,5	1131	13,5	15,9	-	254,42							
6,0	1131	13,5	15,9	-	231,54							
6,9	1131	13,5	15,9	-	204,25							
7,5	1131	13,5	15,9	-	185,44							
8,3	1131	13,5	15,9	-	169,47							
8,7	1131	13,5	15,9	-	160,06							
10	1131	13,5	15,9	-	139,75							
11	1131	13,6	16,0	-	124,22							
12	1131	13,6	16,1	-	113,16							
14	1131	13,9	16,3	-	98,29							
16	1131	14,1	16,5	-	86,00							
20	1093	14,2	16,7	-	71,12							
24	1034	14,3	16,8	-	59,31							
28	972	14,3	16,8	-	49,72							
32	930	14,3	16,8	-	44,23							
12	1249	15,8	18,6	-	120,24	31/3						
13	1241	15,4	18,1	-	109,36							
14	1235	14,9	17,5	-	101,74							
16	1221	14,7	17,3	-	87,36							
18	1211	14,5	17,1	-	79,22							
19	1204	14,5	17,0	-	73,92							
21	1193	14,4	16,9	-	67,17							
23	1181	14,3	16,8	-	61,14							
25	1168	14,2	16,7	-	55,64							
29	1150	14,2	16,7	-	49,08							
31	1135	14,2	16,7	-	44,56							
34	1119	14,1	16,5	-	40,73							
36	1109	13,9	16,3	-	38,46							
42	1083	13,5	15,9	-	33,58							
47	1059	12,8	15,1	-	29,85							
51	1038	12,1	14,3	-	27,19							
59	1005	10,8	12,7	-	23,62							
68	972	10,7	12,5	-	20,67							
82	920	10,3	12,2	-	17,09							
98	867	10,0	11,8	-	14,25							
117	813	9,7	11,4	-	11,95							
132	775	8,9	10,5	-	10,63							

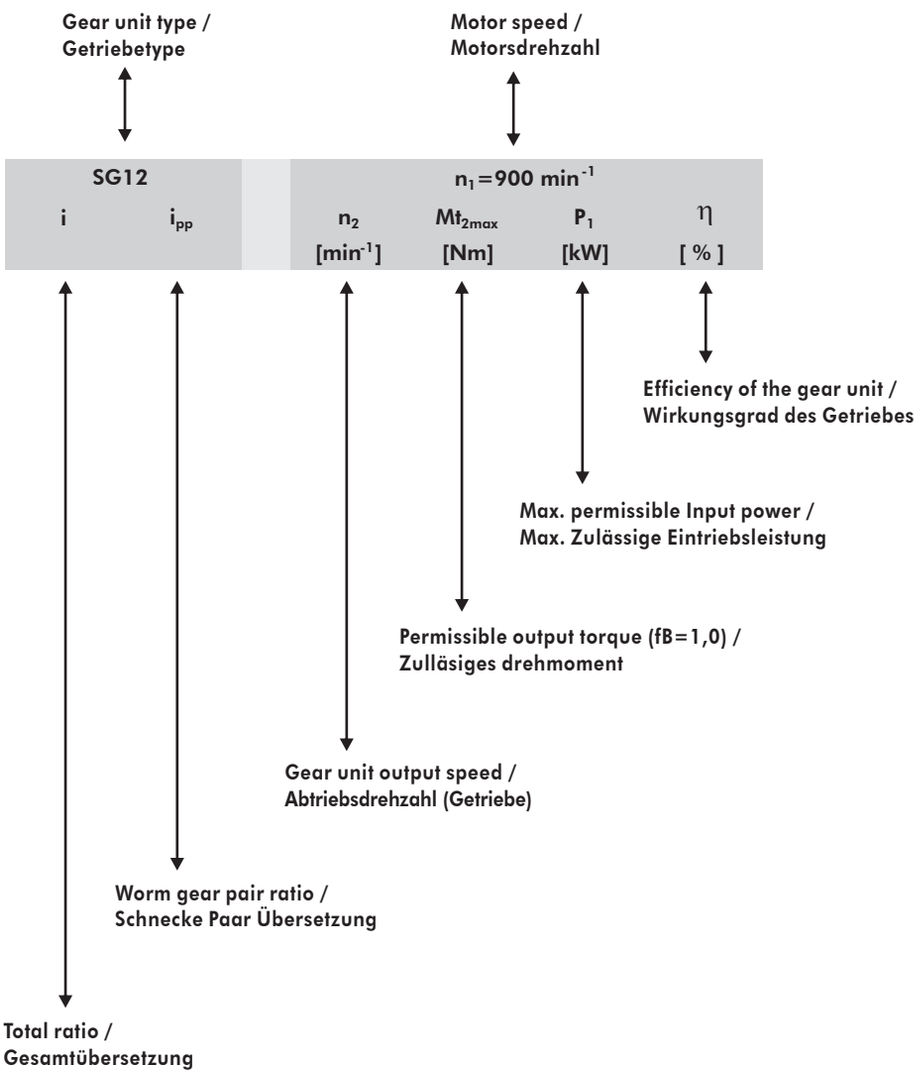
Mt_2[Nm]

** On Request/Auf Anfrage

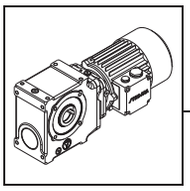
Mt_2[Nm]



Structure of selection tables
Aussbau der Auswahltabellen

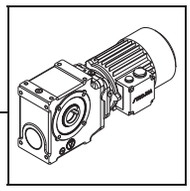


η[%]



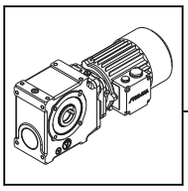
SG12			n_1=2800 min^{-1}					n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
245,78			**11**	157	0,29	64%		**5,7**	164	0,17	57%
218,40			**13**	156	0,32	65%		**6,4**	163	0,19	58%
201,09			**14**	154	0,34	66%		**7,0**	163	0,20	59%
182,00			**15**	153	0,37	67%		**7,7**	162	0,22	60%
161,54			**17**	151	0,40*	68%		**8,7**	160	0,24	61%
140,00			**20**	148	0,45*	69%		**10**	159	0,26	63%
126,00			**22**	146	0,49*	70%		**11**	158	0,29	64%
114,15			**25**	144	0,53*	70%		**12**	156	0,31	65%
104,00			**27**	141	0,56*	71%		**13**	155	0,34	65%
93,33	28/1		**30**	138	0,60*	72%		**15**	153	0,36	66%
88,31			**32**	137	0,63*	72%		**16**	152	0,38*	67%
77,00			**36**	133	0,69*	73%		**18**	150	0,42*	68%
66,50			**42**	128	0,76*	74%		**21**	147	0,47*	69%
59,29			**47**	125	0,84*	74%		**24**	144	0,51*	70%
52,89			**53**	121	0,89*	75%		**26**	142	0,55*	71%
47,60			**59**	117	0,96*	75%		**29**	139	0,59*	72%
44,15			**63**	114	1,00*	76%		**32**	137	0,63*	72%
38,00			**74**	108	1,10*	76%		**37**	133	0,70*	73%
31,61			**89**	101	1,22*	77%		**44**	127	0,80*	74%
28,00			**100**	95	1,29*	77%		**50**	123	0,86*	75%
					***P_{1max}=0,37 kW**						
67,30			**42**	131	0,66	86%		**21**	137	0,36	82%
59,80			**47**	130	0,74	86%		**23**	136	0,40	83%
55,06			**51**	128	0,78	87%		**25**	136	0,44	83%
49,83			**56**	127	0,86	87%		**28**	135	0,47	84%
44,23			**63**	125	0,94	88%		**32**	134	0,53	84%
38,33			**73**	123	1,07	88%		**37**	132	0,59	85%
34,50			**81**	121	1,16*	89%		**41**	131	0,65	86%
31,26			**90**	119	1,25*	89%		**45**	130	0,71	86%
28,48			**98**	117	1,35*	89%		**49**	129	0,77	86%
25,56			**110**	114	1,45*	90%		**55**	127	0,84	87%
24,18	23/3		**116**	113	1,52*	90%		**58**	127	0,89	87%
21,08			**133**	108	1,67*	90%		**66**	124	0,98	88%
18,21			**154**	106	1,90*	90%		**77**	122	1,12*	88%
16,24			**172**	103	2,04*	91%		**86**	120	1,23*	88%
14,48			**193**	99	2,20*	91%		**97**	117	1,33*	89%
13,03			**215**	96	2,37*	91%		**107**	115	1,45*	89%
12,09			**232**	93	2,48*	91%		**116**	111	1,50*	90%
10,40			**269**	88	2,72*	91%		**135**	108	1,69*	90%
8,66			**323**	82	3,02*	92%		**162**	104	1,94*	91%
7,67			**365**	78	3,24*	92%		**183**	101	2,12*	91%
					***P_{1max}=1,10 kW**						

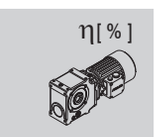
η[%]



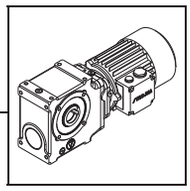
SG12		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
245,78		**3,7**	167	0,12	54%	**2,8**	168	0,10	52%
218,40		**4,1**	166	0,13	55%	**3,2**	167	0,11	53%
201,09		**4,5**	166	0,14	56%	**3,5**	167	0,11	54%
182,00		**4,9**	165	0,15	56%	**3,8**	167	0,12	54%
161,54		**5,6**	164	0,17	57%	**4,3**	166	0,14	55%
140,00		**6,4**	163	0,19	58%	**5,0**	165	0,15	56%
126,00		**7,1**	162	0,21	59%	**5,6**	164	0,17	57%
114,15		**7,9**	161	0,22	60%	**6,1**	164	0,18	58%
104,00		**8,7**	160	0,24	61%	**6,7**	163	0,19	59%
93,33		**9,6**	159	0,26	62%	**7,5**	162	0,21	60%
88,31	28/1	**10**	159	0,27	63%	**7,9**	161	0,22	60%
77,00		**12**	157	0,30	64%	**9,1**	160	0,25	62%
66,50		**14**	155	0,34	65%	**11**	158	0,28	63%
59,29		**15**	153	0,37	66%	**12**	157	0,30	64%
52,89		**17**	151	0,40*	67%	**13**	155	0,33	65%
47,60		**19**	149	0,43*	68%	**15**	154	0,36	66%
44,15		**20**	148	0,46*	69%	**16**	152	0,38*	67%
38,00		**24**	144	0,51*	70%	**18**	150	0,43*	68%
31,61		**28**	140	0,59*	71%	**22**	146	0,48*	70%
28,00		**32**	137	0,64*	72%	**25**	143	0,53*	70%
				***P_{1max}=0,37 kW**					
67,30		**13**	139	0,24	80%	**10**	140	0,20	78%
59,80		**15**	139	0,27	80%	**12**	140	0,22	79%
55,06		**16**	138	0,29	81%	**13**	139	0,23	79%
49,83		**18**	138	0,32	81%	**14**	139	0,26	80%
44,23		**20**	137	0,36	82%	**16**	139	0,29	80%
38,33		**23**	136	0,40	83%	**18**	138	0,33	81%
34,50		**26**	135	0,44	83%	**20**	137	0,35	82%
31,26		**29**	135	0,48	84%	**22**	136	0,39	82%
28,48		**32**	134	0,53	84%	**25**	136	0,42	83%
25,56		**35**	133	0,58	85%	**27**	135	0,47	83%
24,18	23/3	**37**	132	0,61	85%	**29**	135	0,49	84%
21,08		**43**	131	0,68	86%	**33**	133	0,55	84%
18,21		**49**	129	0,78	86%	**38**	132	0,63	85%
16,24		**55**	127	0,85	87%	**43**	131	0,69	86%
14,48		**62**	126	0,93	88%	**48**	129	0,76	86%
13,03		**69**	124	1,02	88%	**54**	128	0,83	87%
12,09		**74**	122	1,08	88%	**58**	127	0,89	87%
10,40		**86**	120	1,22*	89%	**67**	124	0,99	88%
8,66		**104**	116	1,42*	89%	**81**	121	1,15*	89%
7,67		**117**	113	1,54*	90%	**91**	118	1,27*	89%
				***P_{1max}=1,10 kW**					

η[%]



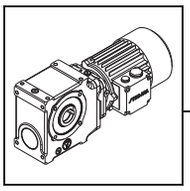


SG22			n_1=2800 min^{-1}					n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
333,56			**8,4**	222	0,31	62%		**4,2**	222	0,18	55%
296,40			**9,4**	222	0,35	63%		**4,7**	222	0,20	56%
272,91			**10**	222	0,38	63%		**5,1**	222	0,21	57%
247,00			**11**	222	0,41	64%		**5,7**	222	0,23	58%
219,23			**13**	222	0,46	65%		**6,4**	222	0,25	59%
190,00			**15**	222	0,51	67%		**7,4**	222	0,29	60%
171,00			**16**	222	0,56	68%		**8,2**	222	0,31	61%
154,92			**18**	222	0,62	68%		**9,0**	222	0,34	62%
141,14			**20**	222	0,67	69%		**9,9**	222	0,37	63%
126,67	38/1		**22**	219	0,72	70%		**11**	222	0,40	64%
119,85			**23**	216	0,75	70%		**12**	222	0,42	65%
104,50			**27**	210	0,83*	71%		**13**	222	0,47	66%
90,25			**31**	203	0,92*	72%		**16**	222	0,54	67%
80,47			**35**	197	1,00*	72%		**17**	222	0,59	68%
71,78			**39**	191	1,07*	73%		**20**	222	0,66	69%
64,60			**43**	185	1,15*	73%		**22**	219	0,71	70%
59,92			**47**	180	1,19*	74%		**23**	216	0,75	70%
51,57			**54**	171	1,31*	74%		**27**	210	0,84*	71%
42,90			**65**	159	1,45*	75%		**33**	200	0,95*	72%
38,00			**74**	151	1,55*	75%		**37**	194	1,03*	73%
			***P_{1max}=0,75 kW**								
93,63			**30**	257	0,96	84%		**15**	270	0,53	80%
83,20			**34**	254	1,07	84%		**17**	268	0,59	80%
76,61			**37**	252	1,13	85%		**18**	267	0,63	81%
69,33			**40**	249	1,24	85%		**20**	265	0,69	81%
61,54			**46**	245	1,36	86%		**23**	263	0,76	82%
53,33			**53**	240	1,53*	86%		**26**	260	0,86	83%
48,00			**58**	236	1,66*	87%		**29**	258	0,94	84%
43,49			**64**	232	1,80*	87%		**32**	255	1,02	84%
39,62			**71**	228	1,92*	88%		**35**	253	1,10	85%
35,56	32/3		**79**	223	2,09*	88%		**39**	250	1,21	85%
33,64			**83**	220	2,18*	88%		**42**	248	1,27	85%
29,33			**95**	213	2,39*	89%		**48**	243	1,41	86%
25,33			**111**	205	2,67*	89%		**55**	238	1,58*	87%
22,59			**124**	199	2,90*	89%		**62**	234	1,75*	87%
20,15			**139**	192	3,14*	89%		**69**	229	1,89*	88%
18,13			**154**	185	3,32*	90%		**77**	224	2,06*	88%
16,82			**166**	180	3,49*	90%		**83**	223	2,21*	88%
14,48			**193**	170	3,83*	90%		**97**	213	2,42*	89%
12,04			**233**	157	4,25*	90%		**116**	202	2,76*	89%
10,67			**263**	149	4,55*	90%		**131**	195	3,01*	89%
			***P_{1max}=1,50 kW**								



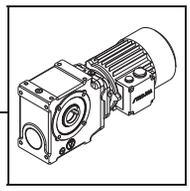
SG22		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
333,56	38/1	**2,7**	222	0,12	51%	**2,1**	229	0,10	50%
296,40		**3,0**	222	0,14	52%	**2,4**	224	0,11	51%
272,91		**3,3**	222	0,14	53%	**2,6**	223	0,12	51%
247,00		**3,6**	222	0,16	54%	**2,8**	222	0,13	52%
219,23		**4,1**	222	0,17	55%	**3,2**	222	0,14	53%
190,00		**4,7**	222	0,20	56%	**3,7**	222	0,16	54%
171,00		**5,3**	222	0,21	57%	**4,1**	222	0,17	55%
154,92		**5,8**	222	0,23	58%	**4,5**	222	0,19	56%
141,14		**6,4**	222	0,25	59%	**5,0**	222	0,20	57%
126,67		**7,1**	222	0,28	60%	**5,5**	222	0,23	57%
119,85		**7,5**	222	0,29	60%	**5,8**	222	0,23	58%
104,50		**8,6**	222	0,32	62%	**6,7**	222	0,26	59%
90,25		**10**	222	0,37	63%	**7,8**	222	0,30	61%
80,47		**11**	222	0,41	64%	**8,7**	222	0,33	62%
71,78		**13**	222	0,45	65%	**9,8**	222	0,36	63%
64,60		**14**	222	0,49	66%	**11**	222	0,39	64%
59,92		**15**	222	0,52	67%	**12**	222	0,42	65%
51,57		**17**	222	0,60	68%	**14**	222	0,48	66%
42,90		**21**	221	0,70	69%	**16**	222	0,57	67%
38,00		**24**	216	0,77*	70%	**18**	222	0,63	68%
				***P_{1max}=0,75 kW**					
93,63	32/3	**9,6**	274	0,36	77%	**7,5**	276	0,28	76%
83,20		**11**	273	0,40	78%	**8,4**	276	0,32	76%
76,61		**12**	273	0,43	78%	**9,1**	275	0,34	77%
69,33		**13**	271	0,47	79%	**10**	274	0,38	77%
61,54		**15**	270	0,52	79%	**11**	273	0,42	78%
53,33		**17**	268	0,59	80%	**13**	271	0,47	79%
48,00		**19**	266	0,64	81%	**15**	270	0,52	79%
43,49		**21**	265	0,70	82%	**16**	269	0,57	80%
39,62		**23**	263	0,76	82%	**18**	267	0,61	81%
35,56		**25**	261	0,83	83%	**20**	265	0,67	81%
33,64		**27**	260	0,88	83%	**21**	265	0,70	82%
29,33		**31**	256	0,98	84%	**24**	262	0,80	82%
25,33		**36**	253	1,11	85%	**28**	259	0,90	83%
22,59		**40**	249	1,22	85%	**31**	256	0,99	84%
20,15		**45**	246	1,34	86%	**35**	253	1,10	84%
18,13		**50**	242	1,46	86%	**39**	250	1,19	85%
16,82		**54**	239	1,54*	87%	**42**	248	1,27	85%
14,48		**62**	233	1,74*	87%	**48**	243	1,43*	86%
12,04		**75**	225	2,00*	88%	**58**	236	1,65*	87%
10,67		**84**	220	2,21*	88%	**66**	231	1,82*	87%
				***P_{1max}=1,50 kW**					

η[%]



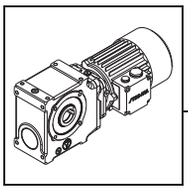
SG33			n_1=2800 min^{-1}				n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
1628,28			**1,7**	487	0,19	45%	**0,86**	539	0,12	41%
1446,90			**1,9**	478	0,21	46%	**1,0**	530	0,13	42%
1332,23			**2,1**	471	0,22	47%	**1,1**	522	0,13	43%
1205,75			**2,3**	464	0,24	48%	**1,2**	515	0,15	43%
1070,19			**2,6**	458	0,26	49%	**1,3**	508	0,16	44%
927,50			**3,0**	458	0,29	50%	**1,5**	497	0,18	44%
834,75			**3,4**	458	0,32	51%	**1,7**	487	0,19	45%
756,27			**3,7**	458	0,34	52%	**1,9**	478	0,20	46%
689,00			**4,1**	458	0,37	53%	**2,0**	474	0,21	47%
618,33	35/1		**4,5**	458	0,40	54%	**2,3**	464	0,23	48%
585,04			**4,8**	458	0,42	55%	**2,4**	461	0,24	48%
510,13			**5,5**	458	0,47	56%	**2,7**	458	0,27	49%
440,56			**6,4**	458	0,53	57%	**3,2**	458	0,30	51%
392,82			**7,1**	458	0,59	58%	**3,6**	458	0,33	52%
350,39			**8,0**	458	0,64	60%	**4,0**	458	0,36	53%
315,35			**8,9**	458	0,70	61%	**4,4**	458	0,39	54%
292,52			**10**	458	0,75	61%	**4,8**	458	0,42	55%
251,75			**11**	458	0,86	62%	**5,6**	458	0,48	56%
209,44			**13**	458	1,00	64%	**6,7**	458	0,55	58%
185,50			**15**	458	1,11	65%	**7,5**	458	0,61	59%

η[%]



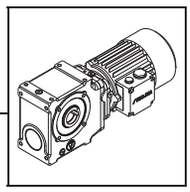
SG33		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
1628,28	35/1	**0,55**	572	0,08	40%	**0,43**	572	0,07	39%
1446,90		**0,62**	572	0,09	40%	**0,48**	572	0,07	39%
1332,23		**0,68**	561	0,10	40%	**0,53**	572	0,08	39%
1205,75		**0,75**	561	0,11	40%	**0,58**	572	0,09	40%
1070,19		**0,84**	549	0,12	41%	**0,65**	561	0,10	40%
927,50		**1,0**	530	0,13	42%	**0,75**	549	0,11	41%
834,75		**1,1**	522	0,14	43%	**0,84**	539	0,12	41%
756,27		**1,2**	515	0,15	43%	**0,93**	530	0,13	41%
689,00		**1,3**	508	0,16	44%	**1,0**	522	0,13	42%
618,33		**1,5**	497	0,17	44%	**1,1**	515	0,14	43%
585,04		**1,5**	497	0,18	45%	**1,2**	502	0,15	43%
510,13		**1,8**	483	0,19	46%	**1,4**	492	0,16	44%
440,56		**2,0**	474	0,22	47%	**1,6**	483	0,18	45%
392,82		**2,3**	464	0,23	48%	**1,8**	474	0,19	46%
350,39		**2,6**	458	0,25	49%	**2,0**	467	0,21	47%
315,35		**2,9**	458	0,27	50%	**2,2**	461	0,23	47%
292,52		**3,1**	458	0,30	50%	**2,4**	458	0,24	48%
251,75		**3,6**	458	0,33	52%	**2,8**	458	0,27	49%
209,44		**4,3**	458	0,39	53%	**3,3**	458	0,31	51%
185,50		**4,9**	458	0,42	55%	**3,8**	458	0,35	52%

η[%]



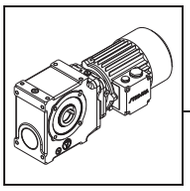
SG32			n_1=2800 min^{-1}				n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
385,00			**7**	458	0,59	59%	**3,6**	458	0,34	52%
343,00			**8**	458	0,65	60%	**4,1**	458	0,37	53%
308,64			**9**	458	0,71	61%	**4,5**	458	0,40	54%
285,83			**10**	458	0,77	61%	**4,9**	458	0,43	55%
261,15			**11**	458	0,83	62%	**5,4**	458	0,46	56%
222,73			**13**	458	0,96	63%	**6,3**	458	0,53	57%
201,25			**14**	458	1,04	64%	**7,0**	458	0,58	58%
183,08			**15**	458	1,13*	65%	**7,6**	458	0,62	59%
167,50			**17**	458	1,21*	66%	**8,4**	458	0,67	60%
157,50			**18**	458	1,29*	66%	**8,9**	458	0,70	61%
142,69	35/1		**20**	458	1,40*	67%	**9,8**	458	0,77	61%
125,42			**22**	456	1,59*	67%	**11**	458	0,85	63%
109,38			**26**	439	1,73*	68%	**13**	458	0,96	64%
100,88			**28**	428	1,83*	68%	**14**	458	1,04	64%
93,33			**30**	417	1,90*	69%	**15**	458	1,11*	65%
80,50			**35**	396	2,09*	69%	**17**	458	1,26*	66%
76,73			**36**	389	2,12*	70%	**18**	458	1,33*	66%
68,75			**41**	372	2,27*	70%	**20**	458	1,46*	67%
58,71			**48**	348	2,48*	70%	**24**	448	1,65*	68%
50,44			**56**	324	2,65*	71%	**28**	428	1,83*	68%
43,51			**64**	301	2,86*	71%	**32**	407	1,99*	69%
35,85			**78**	271	3,12*	71%	**39**	379	2,21*	70%
			***P_{1max}=1,10 kW**							
95,33			**29**	460	1,68	84%	**15**	489	0,94	80%
84,93			**33**	454	1,84	85%	**16**	485	1,03	81%
76,42			**37**	448	2,00	86%	**18**	481	1,13	82%
70,78			**40**	443	2,13	86%	**20**	478	1,21	82%
64,67			**43**	437	2,30	86%	**22**	475	1,30	83%
55,15			**51**	425	2,60	87%	**25**	468	1,48	84%
49,83			**56**	417	2,82	87%	**28**	463	1,62	84%
45,33			**62**	408	3,00	88%	**31**	458	1,74	85%
41,48			**68**	401	3,22*	88%	**34**	453	1,88	85%
39,00			**72**	395	3,37*	88%	**36**	449	1,99	85%
35,33	26/3		**79**	385	3,63*	88%	**40**	443	2,14	86%
31,06			**90**	372	3,95*	89%	**45**	434	2,38	86%
27,08			**103**	357	4,34*	89%	**52**	423	2,63	87%
24,98			**112**	348	4,59*	89%	**56**	417	2,81	87%
23,11			**121**	339	4,83*	89%	**61**	410	2,96	88%
19,93			**140**	321	5,25*	90%	**70**	397	3,32*	88%
19,00			**147**	315	5,40*	90%	**74**	392	3,44*	88%
17,02			**164**	301	5,76*	90%	**82**	381	3,73*	88%
14,54			**193**	281	6,30*	90%	**96**	365	4,14*	89%
12,49			**224**	261	6,81*	90%	**112**	348	4,59*	89%
10,77			**260**	242	7,32*	90%	**130**	330	5,04*	89%
8,88			**315**	217	7,96*	90%	**158**	306	5,61*	90%
			***P_{1max}=3,00 kW**							

η[%]



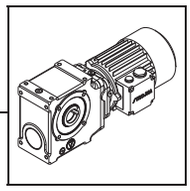
SG32		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
385,00		**2,3**	464	0,24	48%	**1,8**	483	0,20	46%
343,00		**2,6**	458	0,26	49%	**2,0**	474	0,22	47%
308,64		**2,9**	458	0,28	50%	**2,3**	464	0,23	48%
285,83		**3,1**	458	0,30	50%	**2,4**	461	0,25	48%
261,15		**3,4**	458	0,32	51%	**2,7**	458	0,26	49%
222,73		**4,0**	458	0,37	53%	**3,1**	458	0,30	50%
201,25		**4,5**	458	0,40	54%	**3,5**	458	0,33	51%
183,08		**4,9**	458	0,43	55%	**3,8**	458	0,35	52%
167,50		**5,4**	458	0,46	56%	**4,2**	458	0,38	53%
157,50		**5,7**	458	0,49	56%	**4,4**	458	0,39	54%
142,69	35/1	**6,3**	458	0,53	57%	**4,9**	458	0,43	55%
125,42		**7,2**	458	0,58	59%	**5,6**	458	0,48	56%
109,38		**8,2**	458	0,66	60%	**6,4**	458	0,54	57%
100,88		**8,9**	458	0,70	61%	**6,9**	458	0,57	58%
93,33		**9,6**	458	0,76	61%	**7,5**	458	0,61	59%
80,50		**11**	458	0,86	62%	**8,7**	458	0,70	60%
76,73		**12**	458	0,89	63%	**9,1**	458	0,72	61%
68,75		**13**	458	0,98	64%	**10**	458	0,79	62%
58,71		**15**	458	1,13*	65%	**12**	458	0,91	63%
50,44		**18**	458	1,30*	66%	**14**	458	1,04	64%
43,51		**21**	458	1,48*	67%	**16**	458	1,19*	65%
35,85		**25**	441	1,70*	68%	**20**	458	1,42*	66%
		***P_{1max}=1,10 kW**							
95,33		**9,4**	499	0,63	78%	**7,3**	504	0,51	76%
84,93		**11**	497	0,71	78%	**8,2**	502	0,56	77%
76,42		**12**	494	0,77	79%	**9,2**	500	0,62	77%
70,78		**13**	493	0,83	79%	**9,9**	498	0,66	78%
64,67		**14**	490	0,89	80%	**11**	497	0,72	78%
55,15		**16**	485	1,02	81%	**13**	493	0,83	79%
49,83		**18**	482	1,11	82%	**14**	490	0,90	80%
45,33		**20**	478	1,21	82%	**15**	487	0,97	81%
41,48		**22**	475	1,30	83%	**17**	484	1,06	81%
39,00		**23**	472	1,37	83%	**18**	482	1,10	82%
35,33		**25**	467	1,48	84%	**20**	478	1,21	82%
31,06	26/3	**29**	461	1,67	84%	**23**	473	1,35	83%
27,08		**33**	454	1,86	85%	**26**	467	1,50	84%
24,98		**36**	449	1,99	85%	**28**	463	1,62	84%
23,11		**39**	444	2,11	86%	**30**	459	1,71	85%
19,93		**45**	434	2,39	86%	**35**	450	1,95	85%
19,00		**47**	430	2,45	87%	**37**	447	2,01	86%
17,02		**53**	422	2,69	87%	**41**	440	2,20	86%
14,54		**62**	408	3,01*	88%	**48**	429	2,49	87%
12,49		**72**	394	3,38*	88%	**56**	417	2,81	87%
10,77		**84**	380	3,78*	88%	**65**	404	3,12*	88%
8,88		**101**	359	4,28*	89%	**79**	386	3,62*	88%
		***P_{1max}=3,00 kW**							

η[%]



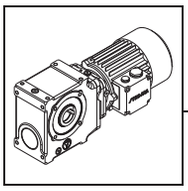
SG43			n_1=2800 min^{-1}				n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
1953,93	42/1		**1,4**	666	0,22	45%	**0,72**	744	0,14	41%
1736,28			**1,6**	652	0,24	46%	**0,81**	729	0,15	42%
1598,67			**1,8**	640	0,25	47%	**0,88**	715	0,16	42%
1446,90			**1,9**	635	0,27	47%	**1,0**	703	0,17	43%
1284,23			**2,2**	620	0,29	49%	**1,1**	693	0,18	44%
1113,00			**2,5**	607	0,32	50%	**1,3**	674	0,20	45%
1001,70			**2,8**	607	0,35	51%	**1,4**	666	0,22	45%
907,52			**3,1**	607	0,38	52%	**1,5**	659	0,23	46%
826,80			**3,4**	607	0,41	53%	**1,7**	646	0,25	46%
742,00			**3,8**	607	0,44	54%	**1,9**	635	0,27	47%
702,05			**4,0**	607	0,46	55%	**2,0**	629	0,27	48%
612,15			**4,6**	607	0,52	56%	**2,3**	616	0,30	49%
528,68			**5,3**	607	0,59	57%	**2,6**	607	0,34	50%
471,39			**5,9**	607	0,65	58%	**3,0**	607	0,36	52%
420,47			**6,7**	607	0,71	60%	**3,3**	607	0,40	53%
378,42			**7,4**	607	0,77	61%	**3,7**	607	0,44	54%
351,02			**8,0**	607	0,83	61%	**4,0**	607	0,46	55%
302,10			**9,3**	607	0,94	63%	**4,6**	607	0,53	56%
251,32			**11**	607	1,11	64%	**5,6**	607	0,61	58%
222,60			**13**	607	1,23	65%	**6,3**	607	0,68	59%

η[%]



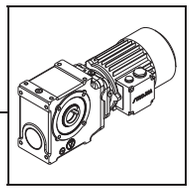
SG43		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
1953,93	42/1	**0,46**	759	0,09	40%	**0,36**	759	0,07	39%
1736,28		**0,52**	759	0,10	40%	**0,40**	759	0,08	39%
1598,67		**0,56**	759	0,11	41%	**0,44**	759	0,09	39%
1446,90		**0,62**	759	0,12	41%	**0,48**	759	0,10	40%
1284,23		**0,70**	744	0,13	41%	**0,55**	759	0,11	40%
1113,00		**0,81**	729	0,15	42%	**0,63**	759	0,12	41%
1001,70		**0,90**	715	0,16	42%	**0,70**	744	0,13	41%
907,52		**1,0**	703	0,17	43%	**0,77**	729	0,14	42%
826,80		**1,1**	693	0,18	44%	**0,85**	729	0,15	42%
742,00		**1,2**	683	0,20	44%	**0,94**	715	0,17	42%
702,05		**1,3**	674	0,20	45%	**1,0**	703	0,17	43%
612,15		**1,5**	659	0,22	46%	**1,1**	693	0,19	44%
528,68		**1,7**	646	0,25	46%	**1,3**	674	0,21	45%
471,39		**1,9**	635	0,27	47%	**1,5**	659	0,22	46%
420,47		**2,1**	625	0,29	49%	**1,7**	646	0,24	46%
378,42		**2,4**	611	0,30	50%	**1,8**	640	0,26	47%
351,02		**2,6**	607	0,33	50%	**2,0**	629	0,27	48%
302,10		**3,0**	607	0,36	52%	**2,3**	616	0,31	49%
251,32		**3,6**	607	0,42	54%	**2,8**	607	0,35	51%
222,60		**4,0**	607	0,47	55%	**3,1**	607	0,38	52%

η[%]



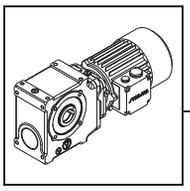
SG42			n_1=2800 min^{-1}					n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
462,00			**6,1**	607	0,65	59%		**3,0**	607	0,37	52%
411,60			**6,8**	607	0,72	60%		**3,4**	607	0,41	53%
370,36			**7,6**	607	0,79	61%		**3,8**	607	0,44	54%
343,00			**8,2**	607	0,85	61%		**4,1**	607	0,47	55%
313,38			**8,9**	607	0,92	62%		**4,5**	607	0,51	56%
267,27			**10**	607	1,04	64%		**5,2**	607	0,58	57%
241,50			**12**	607	1,15	64%		**5,8**	607	0,64	58%
219,69			**13**	607	1,25	65%		**6,4**	607	0,69	59%
201,00			**14**	607	1,34	66%		**7,0**	607	0,74	60%
189,00			**15**	607	1,43	66%		**7,4**	607	0,77	61%
171,23	42/1		**16**	607	1,55*	67%		**8,2**	607	0,85	61%
150,50			**19**	607	1,76*	67%		**9,3**	607	0,94	63%
131,25			**21**	607	1,99*	68%		**11**	607	1,06	64%
121,06			**23**	607	2,16*	68%		**12**	607	1,15	64%
112,00			**25**	607	2,30*	69%		**13**	607	1,22	65%
96,60			**29**	607	2,67*	69%		**14**	607	1,40	66%
92,08			**30**	607	2,80*	69%		**15**	607	1,46	66%
82,50			**34**	606	3,08*	70%		**17**	607	1,61*	67%
70,45			**40**	566	3,36*	70%		**20**	607	1,86*	68%
60,53			**46**	527	3,60*	71%		**23**	607	2,16*	68%
52,22			**54**	490	3,88*	71%		**27**	607	2,47*	69%
43,02			**65**	441	4,23*	71%		**33**	607	2,95*	70%
			***P_{1max}=1,50 kW**								
113,67			**25**	724	2,22	84%		**12**	768	1,24	80%
101,27			**28**	714	2,43	85%		**14**	762	1,36	81%
91,12			**31**	704	2,66	85%		**15**	756	1,48	82%
84,39			**33**	696	2,81	86%		**17**	752	1,59	82%
77,10			**36**	686	3,03	86%		**18**	746	1,71	83%
65,76			**43**	667	3,42	87%		**21**	735	1,95	84%
59,42			**47**	655	3,72	87%		**24**	727	2,14	84%
54,05			**52**	642	3,96	88%		**26**	719	2,29	85%
49,45			**57**	629	4,24*	88%		**28**	711	2,48	85%
46,50			**60**	620	4,44*	88%		**30**	705	2,61	85%
42,13	31/3		**66**	605	4,78*	88%		**33**	696	2,82	86%
37,03			**76**	584	5,20*	89%		**38**	681	3,14	86%
32,29			**87**	561	5,72*	89%		**43**	665	3,47	87%
29,78			**94**	546	6,04*	89%		**47**	655	3,71	87%
27,56			**102**	532	6,36*	89%		**51**	645	3,94	87%
23,77			**118**	504	6,99*	89%		**59**	624	4,37*	88%
22,65			**124**	495	7,12*	90%		**62**	616	4,53*	88%
20,30			**138**	473	7,59*	90%		**69**	599	4,92*	88%
17,33			**162**	441	8,29*	90%		**81**	573	5,45*	89%
14,89			**188**	410	8,97*	90%		**94**	546	6,04*	89%
12,85			**218**	380	9,64*	90%		**109**	519	6,65*	89%
10,59			**265**	341	10,49*	90%		**132**	495	7,62*	90%
			***P_{1max}=4,00 kW**								

η[%]



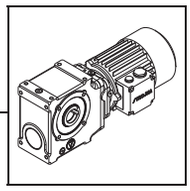
SG42		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
462,00		**1,9**	635	0,28	47%	**1,5**	659	0,23	46%
411,60		**2,2**	620	0,29	49%	**1,7**	646	0,25	46%
370,36		**2,4**	611	0,31	50%	**1,9**	635	0,27	47%
343,00		**2,6**	607	0,33	50%	**2,0**	629	0,28	48%
313,38		**2,9**	607	0,36	51%	**2,2**	620	0,29	50%
267,27		**3,4**	607	0,40	53%	**2,6**	607	0,33	50%
241,50		**3,7**	607	0,44	54%	**2,9**	607	0,36	51%
219,69		**4,1**	607	0,47	55%	**3,2**	607	0,39	52%
201,00		**4,5**	607	0,51	56%	**3,5**	607	0,42	53%
189,00		**4,8**	607	0,54	56%	**3,7**	607	0,44	54%
171,23	42/1	**5,3**	607	0,59	57%	**4,1**	607	0,47	55%
150,50		**6,0**	607	0,64	59%	**4,7**	607	0,53	56%
131,25		**6,9**	607	0,73	60%	**5,3**	607	0,59	57%
121,06		**7,4**	607	0,77	61%	**5,8**	607	0,63	58%
112,00		**8,0**	607	0,84	61%	**6,3**	607	0,67	59%
96,60		**9,3**	607	0,94	63%	**7,2**	607	0,77	60%
92,08		**9,8**	607	0,99	63%	**7,6**	607	0,79	61%
82,50		**11**	607	1,08	64%	**8,5**	607	0,87	62%
70,45		**13**	607	1,25	65%	**9,9**	607	1,00	63%
60,53		**15**	607	1,43	66%	**12**	607	1,15	64%
52,22		**17**	607	1,64*	67%	**13**	607	1,31	65%
43,02		**21**	607	1,96*	68%	**16**	607	1,57*	66%
		***P_{1max}=1,50 kW**							
113,67		**7,9**	783	0,83	78%	**6,2**	783	0,66	76%
101,27		**8,9**	781	0,93	78%	**6,9**	783	0,74	77%
91,12		**9,9**	777	1,02	79%	**7,7**	783	0,82	77%
84,39		**11**	773	1,09	79%	**8,3**	783	0,87	78%
77,10		**12**	770	1,18	80%	**9,1**	781	0,95	78%
65,76		**14**	762	1,35	81%	**11**	773	1,09	79%
59,42		**15**	757	1,46	82%	**12**	770	1,19	80%
54,05		**17**	752	1,60	82%	**13**	765	1,28	81%
49,45		**18**	746	1,71	83%	**14**	761	1,39	81%
46,50		**19**	742	1,81	83%	**15**	757	1,46	82%
42,13	31/3	**21**	735	1,96	84%	**17**	752	1,60	82%
37,03		**24**	725	2,20	84%	**19**	743	1,77	83%
32,29		**28**	713	2,45	85%	**22**	734	1,98	84%
29,78		**30**	705	2,62	85%	**24**	727	2,13	84%
27,56		**33**	697	2,77	86%	**25**	721	2,26	85%
23,77		**38**	681	3,14	86%	**29**	707	2,57	85%
22,65		**40**	676	3,23	87%	**31**	704	2,68	85%
20,30		**44**	663	3,54	87%	**34**	692	2,91	86%
17,33		**52**	642	3,97	88%	**40**	674	3,28	87%
14,89		**60**	620	4,46*	88%	**47**	655	3,71	87%
12,85		**70**	597	4,98*	88%	**54**	635	4,12*	88%
10,59		**85**	564	5,64*	89%	**66**	606	4,77*	88%
		***P_{1max}=4,00 kW**							

η[%]



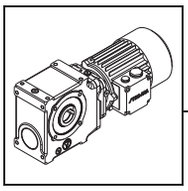
SG53			n_1=2800 min^{-1}				n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
2760,61			**1,0**	1127	0,24	50%	**0,51**	1174	0,13	47%
2453,10			**1,1**	1110	0,26	51%	**0,57**	1172	0,15	48%
2258,68			**1,2**	1095	0,28	51%	**0,62**	1172	0,16	48%
2044,25			**1,4**	1068	0,29	52%	**0,68**	1170	0,17	49%
1814,42			**1,5**	1056	0,32	53%	**0,77**	1148	0,19	49%
1572,50			**1,8**	1026	0,35	54%	**0,89**	1146	0,21	50%
1415,25			**2,0**	1008	0,38	55%	**1,0**	1127	0,23	50%
1282,19			**2,2**	993	0,41	56%	**1,1**	1110	0,25	51%
1168,14			**2,4**	979	0,43	57%	**1,2**	1095	0,27	51%
1048,33	37/1		**2,7**	973	0,47	58%	**1,3**	1080	0,29	52%
991,88			**2,8**	973	0,50	58%	**1,4**	1068	0,30	52%
864,88			**3,2**	973	0,56	59%	**1,6**	1045	0,33	53%
746,94			**3,7**	973	0,64	60%	**1,9**	1017	0,36	55%
666,00			**4,2**	973	0,69	62%	**2,1**	1001	0,40	55%
594,06			**4,7**	973	0,76	63%	**2,4**	979	0,42	57%
534,65			**5,2**	973	0,83	64%	**2,6**	973	0,47	57%
495,94			**5,6**	973	0,90	64%	**2,8**	973	0,50	58%
426,82			**6,6**	973	1,01	66%	**3,3**	973	0,57	59%
355,08			**7,9**	973	1,20	67%	**3,9**	973	0,66	61%
314,50			**8,9**	973	1,33	68%	**4,5**	973	0,73	62%

η[%]



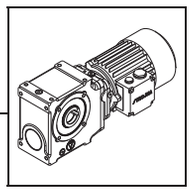
SG53		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
2760,61		**0,33**	1178	0,09	47%	**0,25**	1178	0,07	47%
2453,10		**0,37**	1176	0,10	47%	**0,29**	1178	0,07	47%
2258,68		**0,40**	1176	0,10	47%	**0,31**	1178	0,08	47%
2044,25		**0,44**	1176	0,12	47%	**0,34**	1178	0,09	47%
1814,42		**0,50**	1174	0,13	47%	**0,39**	1176	0,10	47%
1572,50		**0,57**	1172	0,15	48%	**0,45**	1176	0,12	47%
1415,25		**0,64**	1172	0,16	48%	**0,49**	1174	0,13	47%
1282,19		**0,70**	1170	0,18	49%	**0,55**	1174	0,14	47%
1168,14		**0,77**	1168	0,19	49%	**0,60**	1172	0,15	48%
1048,33	37/1	**0,86**	1146	0,21	50%	**0,67**	1170	0,17	49%
991,88		**0,91**	1146	0,22	50%	**0,71**	1170	0,18	49%
864,88		**1,0**	1127	0,25	50%	**0,81**	1168	0,20	49%
746,94		**1,2**	1095	0,27	51%	**0,94**	1146	0,22	50%
666,00		**1,4**	1068	0,29	52%	**1,1**	1110	0,24	51%
594,06		**1,5**	1056	0,32	53%	**1,2**	1095	0,26	51%
534,65		**1,7**	1035	0,34	54%	**1,3**	1080	0,28	52%
495,94		**1,8**	1026	0,36	54%	**1,4**	1068	0,30	52%
426,82		**2,1**	1001	0,40	55%	**1,6**	1045	0,34	53%
355,08		**2,5**	973	0,45	57%	**2,0**	1008	0,38	55%
314,50		**2,9**	973	0,50	58%	**2,2**	993	0,41	56%

η[%]



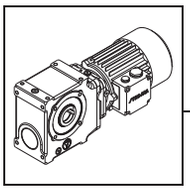
SG52			n_1=2800 min^{-1}				n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
430,55			**6,5**	973	1,00	66%	**3,3**	973	0,56	59%
391,58			**7,2**	973	1,09	67%	**3,6**	973	0,61	60%
364,31			**7,7**	973	1,17	67%	**3,8**	973	0,64	61%
312,82			**9,0**	973	1,34	68%	**4,5**	973	0,74	62%
283,67			**10**	973	1,46	69%	**4,9**	973	0,80	63%
264,69			**11**	973	1,54	70%	**5,3**	973	0,84	64%
240,50			**12**	973	1,69	70%	**5,8**	973	0,91	65%
218,92			**13**	966	1,82	71%	**6,4**	973	0,99	66%
199,23			**14**	948	1,94	72%	**7,0**	973	1,08	66%
175,75			**16**	924	2,11	73%	**8,0**	973	1,19	68%
159,56	37/1		**18**	904	2,28*	73%	**8,8**	973	1,31	68%
145,82			**19**	884	2,40*	74%	**9,6**	973	1,42	69%
137,72			**20**	871	2,51*	74%	**10**	973	1,48	70%
120,25			**23**	838	2,76*	74%	**12**	973	1,69	70%
106,89			**26**	809	2,96*	75%	**13**	961	1,86	71%
97,37			**29**	784	3,15*	75%	**14**	944	1,97	72%
84,57			**33**	747	3,41*	76%	**17**	915	2,17	73%
74,00			**38**	709	3,70*	76%	**19**	887	2,41*	73%
61,19			**46**	654	4,07*	77%	**23**	843	2,73*	74%
51,03			**55**	601	4,48*	77%	**27**	797	3,05*	75%
42,78			**65**	549	4,89*	77%	**33**	750	3,38*	76%
38,06			**74**	514	5,08*	78%	**37**	717	3,63*	76%
			***P_{1max}=2,20 kW**							
104,73			**27**	895	2,85	88%	**13**	948	1,58	84%
95,25			**29**	885	3,10	88%	**15**	942	1,71	85%
88,62			**32**	877	3,30	88%	**16**	938	1,83	85%
76,09			**37**	859	3,72	89%	**18**	927	2,08	86%
69,00			**41**	846	4,04	89%	**20**	920	2,27	86%
64,38			**43**	836	4,23	90%	**22**	914	2,39	87%
58,50			**48**	822	4,58	90%	**24**	908	2,62	87%
53,25			**53**	808	4,94	90%	**26**	897	2,81	88%
48,46			**58**	792	5,32	90%	**29**	887	3,05	88%
42,75			**65**	770	5,80	91%	**33**	873	3,36	89%
38,81	27/3		**72**	752	6,24	91%	**36**	861	3,65	89%
35,47			**79**	735	6,68	91%	**39**	850	3,95	89%
33,50			**84**	723	6,95	91%	**42**	842	4,14	89%
29,25			**96**	695	7,66*	91%	**48**	822	4,58	90%
26,00			**108**	669	8,20*	92%	**54**	804	5,04	90%
23,68			**118**	648	8,72*	92%	**59**	788	5,42	90%
20,57			**136**	614	9,51*	92%	**68**	763	5,98	91%
18,00			**156**	582	10,30*	92%	**78**	738	6,60	91%
14,88			**188**	535	11,45*	92%	**94**	698	7,55*	91%
12,41			**226**	489	12,55*	92%	**113**	658	8,45*	92%
10,41			**269**	445	13,48*	93%	**135**	617	9,45*	92%
9,26			**302**	416	14,17*	93%	**151**	589	10,14*	92%
			***P_{1max}=7,50 kW**							

η[%]



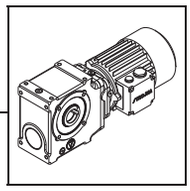
SG52		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
430,55	37/1	**2,1**	973	0,39	55%	**1,6**	1045	0,34	53%
391,58		**2,3**	973	0,42	56%	**1,8**	1026	0,36	54%
364,31		**2,5**	973	0,44	57%	**1,9**	1017	0,37	55%
312,82		**2,9**	973	0,51	58%	**2,2**	993	0,42	56%
283,67		**3,2**	973	0,55	59%	**2,5**	973	0,44	57%
264,69		**3,4**	973	0,58	60%	**2,6**	973	0,47	57%
240,50		**3,7**	973	0,63	61%	**2,9**	973	0,51	58%
218,92		**4,1**	973	0,69	61%	**3,2**	973	0,55	59%
199,23		**4,5**	973	0,74	62%	**3,5**	973	0,60	60%
175,75		**5,1**	973	0,82	64%	**4,0**	973	0,67	61%
159,56		**5,6**	973	0,90	64%	**4,4**	973	0,72	62%
145,82		**6,2**	973	0,97	65%	**4,8**	973	0,78	63%
137,72		**6,5**	973	1,01	66%	**5,1**	973	0,81	64%
120,25		**7,5**	973	1,14	67%	**5,8**	973	0,91	65%
106,89		**8,4**	973	1,26	68%	**6,5**	973	1,01	66%
97,37		**9,2**	973	1,36	69%	**7,2**	973	1,09	67%
84,57		**11**	973	1,55	70%	**8,3**	973	1,24	68%
74,00		**12**	973	1,75	71%	**9,5**	973	1,40	69%
61,19		**15**	940	2,01	72%	**11**	973	1,66	70%
51,03		**18**	903	2,28*	73%	**14**	953	1,90	72%
42,78		**21**	863	2,57*	74%	**16**	918	2,15	73%
38,06		**24**	835	2,76*	75%	**18**	893	2,36*	73%
				***P_{1max}=2,20 kW**					
104,73	27/3	**8,6**	968	1,06	82%	**6,7**	977	0,84	81%
95,25		**9,4**	965	1,15	83%	**7,3**	974	0,93	81%
88,62		**10**	961	1,23	83%	**7,9**	971	0,98	82%
76,09		**12**	955	1,41	84%	**9,2**	966	1,13	82%
69,00		**13**	949	1,54	84%	**10**	962	1,23	83%
64,38		**14**	945	1,63	85%	**11**	958	1,31	83%
58,50		**15**	940	1,78	85%	**12**	954	1,42	84%
53,25		**17**	933	1,92	86%	**13**	949	1,56	84%
48,46		**19**	926	2,09	86%	**14**	944	1,68	85%
42,75		**21**	917	2,32	87%	**16**	935	1,89	85%
38,81		**23**	908	2,53	87%	**18**	929	2,04	86%
35,47		**25**	900	2,72	88%	**20**	922	2,22	86%
33,50		**27**	894	2,86	88%	**21**	917	2,31	87%
29,25		**31**	880	3,22	88%	**24**	906	2,61	87%
26,00		**35**	867	3,53	89%	**27**	894	2,86	88%
23,68		**38**	855	3,82	89%	**30**	884	3,11	88%
20,57		**44**	835	4,25	90%	**34**	869	3,48	89%
18,00		**50**	816	4,75	90%	**39**	852	3,90	89%
14,88		**60**	784	5,45	91%	**47**	825	4,51	90%
12,41		**73**	751	6,27	91%	**56**	796	5,22	90%
10,41		**86**	716	7,13	91%	**67**	765	5,92	91%
9,26		**97**	691	7,65*	92%	**76**	743	6,46	91%
				***P_{1max}=7,50 kW**					

η[%]



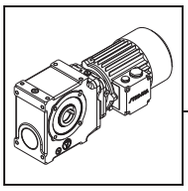
SG63			n_1=2800 min^{-1}					n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
3208,28			**0,9**	1331	0,24	51%		**0,44**	1413	0,13	48%
2850,90			**1,0**	1309	0,26	52%		**0,49**	1413	0,15	48%
2624,95			**1,1**	1289	0,28	52%		**0,53**	1413	0,16	48%
2375,75			**1,2**	1271	0,30	53%		**0,59**	1413	0,18	49%
2108,65			**1,3**	1255	0,33	53%		**0,66**	1386	0,19	50%
1827,50			**1,5**	1227	0,36	54%		**0,77**	1357	0,22	50%
1644,75			**1,7**	1202	0,39	55%		**0,85**	1331	0,23	51%
1490,12			**1,9**	1181	0,41	56%		**0,94**	1331	0,26	51%
1357,57			**2,1**	1162	0,44	57%		**1,0**	1309	0,27	52%
1218,33	43/1		**2,3**	1146	0,48	58%		**1,1**	1289	0,30	52%
1152,73			**2,4**	1138	0,50	58%		**1,2**	1271	0,30	53%
1005,13			**2,8**	1131	0,55	60%		**1,4**	1240	0,33	54%
868,06			**3,2**	1131	0,63	61%		**1,6**	1215	0,37	55%
774,00			**3,6**	1131	0,69	62%		**1,8**	1192	0,40	56%
690,39			**4,1**	1131	0,76	63%		**2,0**	1172	0,44	57%
621,35			**4,5**	1131	0,83	64%		**2,3**	1146	0,47	58%
576,37			**4,9**	1131	0,89	65%		**2,4**	1138	0,50	58%
496,04			**5,6**	1131	1,01	66%		**2,8**	1131	0,56	60%
412,66			**6,8**	1131	1,18	68%		**3,4**	1131	0,65	62%
365,50			**7,7**	1131	1,31	69%		**3,8**	1131	0,72	63%

η[%]



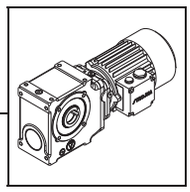
SG63		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
3208,28		**0,28**	1413	0,09	48%	**0,22**	1413	0,07	48%
2850,90		**0,32**	1413	0,10	48%	**0,25**	1413	0,08	48%
2624,95		**0,34**	1413	0,11	48%	**0,27**	1413	0,08	48%
2375,75		**0,38**	1413	0,12	48%	**0,29**	1413	0,09	48%
2108,65		**0,43**	1413	0,13	48%	**0,33**	1413	0,10	48%
1827,50		**0,49**	1413	0,15	48%	**0,38**	1413	0,12	48%
1644,75		**0,55**	1413	0,17	48%	**0,43**	1413	0,13	48%
1490,12		**0,60**	1413	0,18	49%	**0,47**	1413	0,14	48%
1357,57		**0,66**	1386	0,19	50%	**0,52**	1413	0,16	48%
1218,33	43/1	**0,74**	1386	0,21	50%	**0,57**	1413	0,17	49%
1152,73		**0,78**	1357	0,22	50%	**0,61**	1413	0,18	49%
1005,13		**0,90**	1331	0,24	51%	**0,70**	1386	0,20	50%
868,06		**1,0**	1309	0,27	52%	**0,81**	1357	0,23	50%
774,00		**1,2**	1271	0,29	53%	**0,90**	1331	0,25	51%
690,39		**1,3**	1255	0,32	53%	**1,0**	1309	0,27	52%
621,35		**1,4**	1240	0,35	54%	**1,1**	1289	0,29	52%
576,37		**1,6**	1215	0,36	55%	**1,2**	1271	0,30	53%
496,04		**1,8**	1192	0,40	56%	**1,4**	1240	0,34	54%
412,66		**2,2**	1154	0,45	58%	**1,7**	1202	0,39	55%
365,50		**2,5**	1131	0,49	59%	**1,9**	1181	0,42	56%

η[%]



η[%]

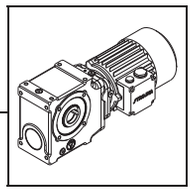
SG62			n_1=2800 min^{-1}					n_1=1400 min^{-1}			
i	i_{pp}		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]		n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
500,36			**5,6**	1131	1,00	66%		**2,8**	1131	0,55	60%
455,08			**6,2**	1131	1,09	67%		**3,1**	1131	0,60	61%
423,38			**6,6**	1131	1,15	68%		**3,3**	1131	0,64	61%
363,55			**7,7**	1131	1,32	69%		**3,9**	1131	0,72	63%
329,67			**8,5**	1131	1,44	70%		**4,2**	1131	0,80	63%
307,62			**9,1**	1131	1,54	70%		**4,6**	1131	0,84	64%
279,50			**10**	1131	1,67	71%		**5,0**	1131	0,91	65%
254,42			**11**	1131	1,81	72%		**5,5**	1131	0,99	66%
231,54			**12**	1131	1,99	72%		**6,0**	1131	1,07	67%
204,25			**14**	1131	2,22	73%		**6,9**	1131	1,19	68%
185,44	43/1		**15**	1131	2,45	73%		**7,5**	1131	1,30	69%
169,47			**17**	1131	2,64	74%		**8,3**	1131	1,42	69%
160,06			**17**	1130	2,80	74%		**8,7**	1131	1,48	70%
139,75			**20**	1089	3,05*	75%		**10**	1131	1,67	71%
124,22			**23**	1050	3,30*	75%		**11**	1131	1,85	72%
113,16			**25**	1019	3,47*	76%		**12**	1131	2,04	72%
98,29			**28**	969	3,80*	76%		**14**	1131	2,31	73%
86,00			**33**	920	4,07*	77%		**16**	1131	2,61	74%
71,12			**39**	849	4,55*	77%		**20**	1093	3,00	75%
59,31			**47**	779	5,00*	77%		**24**	1034	3,36*	76%
49,72			**56**	712	5,38*	78%		**28**	972	3,77*	76%
44,23			**63**	667	5,67*	78%		**32**	930	4,00*	77%
					***P_{1max}=3,00 kW**						
120,24			**23**	1179	3,27	88%		**12**	1249	1,79	85%
109,36			**26**	1166	3,55	88%		**13**	1241	1,96	85%
101,74			**28**	1155	3,74	89%		**14**	1235	2,07	86%
87,36			**32**	1131	4,26	89%		**16**	1221	2,38	86%
79,22			**35**	1115	4,59	90%		**18**	1211	2,58	87%
73,92			**38**	1102	4,86	90%		**19**	1204	2,74	87%
67,17			**42**	1083	5,25	90%		**21**	1193	2,96	88%
61,14			**46**	1064	5,67	90%		**23**	1181	3,22	88%
55,64			**50**	1044	6,05	91%		**25**	1168	3,50	88%
49,08			**57**	1015	6,66	91%		**29**	1150	3,86	89%
44,56	31/3		**63**	991	7,17	91%		**31**	1135	4,20	89%
40,73			**69**	967	7,65	91%		**34**	1119	4,53	89%
38,46			**73**	952	7,97	91%		**36**	1109	4,70	90%
33,58			**83**	915	8,68	92%		**42**	1083	5,25	90%
29,85			**94**	881	9,41*	92%		**47**	1059	5,78	90%
27,19			**103**	853	10,00*	92%		**51**	1038	6,15	91%
23,62			**119**	809	10,92*	92%		**59**	1005	6,85	91%
20,67			**135**	766	11,81*	92%		**68**	972	7,58	91%
17,09			**164**	704	13,13*	92%		**82**	920	8,58	92%
14,25			**196**	644	14,24*	93%		**98**	867	9,69*	92%
11,95			**234**	586	15,46*	93%		**117**	813	10,84*	92%
10,63			**263**	548	16,25*	93%		**132**	775	11,62*	92%
					***P_{1max}=9,20 kW**						



SG62		n_1=900 min^{-1}				n_1=700 min^{-1}			
i	i_{pp}	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]	n_2 [min^{-1}]	Mt_{2max} [Nm]	P_1 [kW]	η [%]
500,36		**1,8**	1192	0,40	56%	**1,4**	1240	0,34	54%
455,08		**2,0**	1172	0,43	57%	**1,5**	1227	0,36	55%
423,38		**2,1**	1162	0,45	58%	**1,7**	1202	0,38	55%
363,55		**2,5**	1131	0,50	59%	**1,9**	1181	0,43	56%
329,67		**2,7**	1131	0,54	60%	**2,1**	1162	0,45	57%
307,62		**2,9**	1131	0,58	60%	**2,3**	1146	0,47	58%
279,50		**3,2**	1131	0,63	61%	**2,5**	1131	0,50	59%
254,42		**3,5**	1131	0,68	62%	**2,8**	1131	0,54	60%
231,54		**3,9**	1131	0,73	63%	**3,0**	1131	0,60	60%
204,25		**4,4**	1131	0,82	64%	**3,4**	1131	0,65	62%
185,44		**4,9**	1131	0,88	65%	**3,8**	1131	0,71	63%
169,47	43/1	**5,3**	1131	0,95	66%	**4,1**	1131	0,78	63%
160,06		**5,6**	1131	1,01	66%	**4,4**	1131	0,81	64%
139,75		**6,4**	1131	1,14	67%	**5,0**	1131	0,91	65%
124,22		**7,2**	1131	1,26	68%	**5,6**	1131	1,01	66%
113,16		**8,0**	1131	1,37	69%	**6,2**	1131	1,09	67%
98,29		**9,2**	1131	1,55	70%	**7,1**	1131	1,24	68%
86,00		**10**	1131	1,75	71%	**8,1**	1131	1,40	69%
71,12		**13**	1131	2,08	72%	**9,8**	1131	1,64	71%
59,31		**15**	1131	2,46	73%	**12**	1131	1,94	72%
49,72		**18**	1120	2,87	74%	**14**	1131	2,28	73%
44,23		**20**	1084	3,08*	75%	**16**	1131	2,53	74%
		***P_{1max}=3,00 kW**							
120,24		**7,5**	1275	1,22	82%	**5,8**	1287	0,97	81%
109,36		**8,2**	1271	1,32	83%	**6,4**	1283	1,05	82%
101,74		**8,8**	1267	1,41	83%	**6,9**	1279	1,12	82%
87,36		**10**	1257	1,61	84%	**8,0**	1272	1,29	83%
79,22		**11**	1250	1,75	85%	**8,8**	1267	1,41	83%
73,92		**12**	1245	1,87	85%	**9,5**	1262	1,49	84%
67,17		**13**	1237	2,04	85%	**10**	1256	1,63	84%
61,14		**15**	1229	2,20	86%	**11**	1250	1,76	85%
55,64		**16**	1220	2,40	86%	**13**	1242	1,92	85%
49,08		**18**	1208	2,67	87%	**14**	1232	2,14	86%
44,56		**20**	1196	2,91	87%	**16**	1223	2,34	86%
40,73	31/3	**22**	1185	3,12	88%	**17**	1214	2,51	87%
38,46		**23**	1178	3,28	88%	**18**	1208	2,65	87%
33,58		**27**	1159	3,65	89%	**21**	1193	2,96	88%
29,85		**30**	1141	4,05	89%	**23**	1178	3,29	88%
27,19		**33**	1126	4,38	89%	**26**	1165	3,57	88%
23,62		**38**	1101	4,88	90%	**30**	1144	3,99	89%
20,67		**44**	1075	5,45	90%	**34**	1122	4,47	89%
17,09		**53**	1033	6,26	91%	**41**	1086	5,18	90%
14,25		**63**	990	7,19	91%	**49**	1049	5,93	91%
11,95		**75**	943	8,17	91%	**59**	1008	6,80	91%
10,63		**85**	910	8,77	92%	**66**	979	7,42	91%
		***P_{1max}=9,20 kW**							

η[%]

η[%]



Structure of selection tables
Aussbau der Auswahltabellen

Dimension sheet / Massbild

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B			m [kg]	

Weight / Gewiht

P[kW]

Motor type / Motortype

Gear unit type designation / Typenbezeihnungen

Service factor / Betriebsfaktor

Total ratio / Gesamtuebersetzung

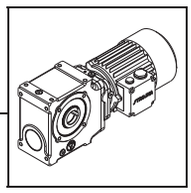
Output torque / Abtriebsdrehmoment

Output speed / Abtriebsdrehzahl

Rated power of motor / Nennleistung des Motors

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,12	0,41	1342	3208,28	1,05	**SG63**	**SMB**	**63A4**		
	0,46	1196	2850,90	1,18	**SG63**	**SMB**	**63A4**		
	0,50	1100	2624,95	1,28	**SG63**	**SMB**	**63A4**		
	0,55	1021	2375,75	1,38	**SG63**	**SMB**	**63A4**		
	0,62	924	2108,65	1,50	**SG63**	**SMB**	**63A4**		
	0,72	796	1827,50	1,71	**SG63**	**SMB**	**63A4**		
	0,80	731	1644,75	1,82	**SG63**	**SMB**	**63A4**		
	0,88	664	1490,12	2,00	**SG63**	**SMB**	**63A4**		
	0,96	621	1357,57	2,11	**SG63**	**SMB**	**63A4**	50	96
	1,1	542	1218,33	2,38	**SG63**	**SMB**	**63A4**		
	1,2	552	1152,73	2,40	**SG63**	**SMB**	**63A4**		
	1,3	476	1005,13	2,60	**SG63**	**SMB**	**63A4**		
	1,5	420	868,06	2,89	**SG63**	**SMR**	**63A4**		
	1,7	378	774,00	3,16	**SG63**	**SMR**	**63A4**		
	1,9	344	690,39	3,41	**SG63**	**SMR**	**63A4**		
	2,1	317	621,35	3,62	**SG63**	**SMR**	**63A4**		
	2,3	289	576,37	3,94	**SG63**	**SMR**	**63A4**		
	2,6	264	496,04	4,28	**SG63**	**SMR**	**63A4**		
	2,6	264	500,36	4,28	**SG62**	**SMB**	**63A4**	46	94
	0,47	1146	2760,61	1,02	**SG53**	**SMB**	**63A4**		
	0,53	1038	2453,10	1,13	**SG53**	**SMB**	**63A4**		
	0,58	948	2258,68	1,24	**SG53**	**SMB**	**63A4**		
	0,64	877	2044,25	1,33	**SG53**	**SMB**	**63A4**		
	0,72	780	1814,42	1,47	**SG53**	**SMB**	**63A4**		
	0,83	690	1572,50	1,66	**SG53**	**SMB**	**63A4**		
	0,93	616	1415,25	1,83	**SG53**	**SMB**	**63A4**		
	1,0	584	1282,19	1,90	**SG53**	**SMB**	**63A4**		
	1,1	531	1168,14	2,06	**SG53**	**SMB**	**63A4**	42	92
	1,2	497	1048,33	2,17	**SG53**	**SMB**	**63A4**		
	1,3	458	991,88	2,33	**SG53**	**SMB**	**63A4**		
	1,5	405	864,88	2,58	**SG53**	**SMB**	**63A4**		
	1,8	350	746,94	2,90	**SG53**	**SMR**	**63A4**		
	2,0	315	666,00	3,18	**SG53**	**SMR**	**63A4**		
	2,2	297	594,06	3,30	**SG53**	**SMR**	**63A4**		
	2,5	261	534,65	3,72	**SG53**	**SMR**	**63A4**		
	2,6	256	495,94	3,81	**SG53**	**SMR**	**63A4**		
	3,1	218	426,82	4,46	**SG53**	**SMR**	**63A4**		
	3,0	225	430,55	4,32	**SG52**	**SMB**	**63A4**	39	90
	0,67	701	1953,93	1,06	**SG43**	**SMB**	**63A4**		
	0,75	642	1736,28	1,14	**SG43**	**SMB**	**63A4**		
	0,82	587	1598,67	1,22	**SG43**	**SMB**	**63A4**		
	0,91	542	1446,90	1,30	**SG43**	**SMB**	**63A4**		
	1,0	504	1284,23	1,37	**SG43**	**SMB**	**63A4**		
	1,2	430	1113,00	1,57	**SG43**	**SMB**	**63A4**		
	1,3	397	1001,70	1,68	**SG43**	**SMB**	**63A4**		
	1,4	377	907,52	1,75	**SG43**	**SMB**	**63A4**		
	1,6	329	826,80	1,96	**SG43**	**SMB**	**63A4**	30	88
	1,8	299	742,00	2,12	**SG43**	**SMB**	**63A4**		
	1,9	290	702,05	2,17	**SG43**	**SMB**	**63A4**		
	2,1	267	612,15	2,30	**SG43**	**SMB**	**63A4**		
	2,5	229	528,68	2,65	**SG43**	**SMR**	**63A4**		
	2,8	213	471,39	2,85	**SG43**	**SMR**	**63A4**		
	3,1	196	420,47	3,10	**SG43**	**SMR**	**63A4**		
	3,5	177	378,42	3,43	**SG43**	**SMR**	**63A4**		
	3,7	170	351,02	3,56	**SG43**	**SMR**	**63A4**		
	4,3	149	302,10	4,07	**SG43**	**SMR**	**63A4**		

P[kW]

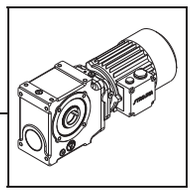


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,12	2,8	213	462,00	2,85		**SG42**	**SMB**	**63A4**		
	3,2	190	411,60	3,20		**SG42**	**SMB**	**63A4**		
	3,5	177	370,36	3,43		**SG42**	**SMB**	**63A4**	28	86
	3,8	166	343,00	3,66		**SG42**	**SMB**	**63A4**		
	4,2	153	313,38	3,97		**SG42**	**SMB**	**63A4**		
	0,80	587	1628,28	0,92		**SG33**	**SMB**	**63A4**		
	0,91	529	1446,90	1,00		**SG33**	**SMB**	**63A4**		
	0,98	503	1332,23	1,04		**SG33**	**SMB**	**63A4**		
	1,1	448	1205,75	1,15		**SG33**	**SMB**	**63A4**		
	1,2	420	1070,19	1,21		**SG33**	**SMB**	**63A4**		
	1,4	360	927,50	1,38		**SG33**	**SMB**	**63A4**		
	1,6	322	834,75	1,51		**SG33**	**SMB**	**63A4**		
	1,7	310	756,27	1,54		**SG33**	**SMB**	**63A4**		
	1,9	283	689,00	1,67		**SG33**	**SMB**	**63A4**		
	2,1	262	618,33	1,77		**SG33**	**SMB**	**63A4**	26	84
	2,2	250	585,04	1,84		**SG33**	**SMB**	**63A4**		
	2,6	216	510,13	2,12		**SG33**	**SMB**	**63A4**		
	3,0	195	440,56	2,35		**SG33**	**SMR**	**63A4**		
	3,3	181	392,82	2,54		**SG33**	**SMR**	**63A4**		
	3,7	164	350,39	2,79		**SG33**	**SMR**	**63A4**		
	4,2	147	315,35	3,11		**SG33**	**SMR**	**63A4**		
	4,5	140	292,52	3,27		**SG33**	**SMR**	**63A4**		
	5,2	123	251,75	3,71		**SG33**	**SMR**	**63A4**		
	6,3	106	209,44	4,34		**SG33**	**SMR**	**63A4**		
	3,4	175	385,00	2,61		**SG32**	**SMB**	**63A4**		
	3,8	160	343,00	2,87		**SG32**	**SMB**	**63A4**		
	4,2	147	308,64	3,11		**SG32**	**SMB**	**63A4**		
	4,6	137	285,83	3,34		**SG32**	**SMB**	**63A4**	24	82
	5,0	128	261,15	3,57		**SG32**	**SMB**	**63A4**		
	5,9	111	222,73	4,14		**SG32**	**SMB**	**63A4**		
	6,5	102	201,25	4,48		**SG32**	**SMB**	**63A4**		
	3,9	162	333,56	1,37		**SG22**	**SMB**	**63A4**		
	4,4	146	296,40	1,52		**SG22**	**SMB**	**63A4**		
	4,8	136	272,91	1,63		**SG22**	**SMB**	**63A4**		
	5,3	125	247,00	1,77		**SG22**	**SMB**	**63A4**		
	6,0	113	219,23	1,97		**SG22**	**SMB**	**63A4**		
	6,9	100	190,00	2,23		**SG22**	**SMB**	**63A4**		
	7,7	91	171,00	2,45		**SG22**	**SMB**	**63A4**		
	8,5	84	154,92	2,66		**SG22**	**SMB**	**63A4**		
	9,3	78	141,14	2,86		**SG22**	**SMB**	**63A4**		
	10	73	126,67	3,03		**SG22**	**SMB**	**63A4**	16	80
	11	68	119,85	3,28		**SG22**	**SMB**	**63A4**		
	13	58	104,50	3,82		**SG22**	**SMB**	**63A4**		
	15	51	90,25	4,34		**SG22**	**SMR**	**63A4**		
	16	49	80,47	4,56		**SG22**	**SMR**	**63A4**		
	18	44	71,78	5,05		**SG22**	**SMR**	**63A4**		
	20	40	64,60	5,46		**SG22**	**SMR**	**63A4**		
	22	36	59,92	5,92		**SG22**	**SMR**	**63A4**		
	25	33	51,57	6,45		**SG22**	**SMR**	**63A4**		
	31	27	42,90	7,51		**SG22**	**SMR**	**63A4**		
	34	25	38,00	7,88		**SG22**	**SMR**	**63A4**		

P[kW]

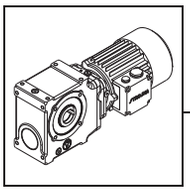
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,12	14	65	93,63	4,12	**SG22**	**SMB**	**63A4**		
	16	57	83,20	4,68	**SG22**	**SMB**	**63A4**		
	17	55	76,61	4,89	**SG22**	**SMB**	**63A4**		
	19	49	69,33	5,42	**SG22**	**SMB**	**63A4**		
	21	45	61,54	5,88	**SG22**	**SMB**	**63A4**		
	25	38	53,33	6,83	**SG22**	**SMB**	**63A4**		
	27	36	48,00	7,24	**SG22**	**SMB**	**63A4**		
	30	32	43,49	7,95	**SG22**	**SMB**	**63A4**	16	80
	33	30	39,62	8,57	**SG22**	**SMB**	**63A4**		
	37	26	35,56	9,50	**SG22**	**SMB**	**63A4**		
	39	25	33,64	9,93	**SG22**	**SMB**	**63A4**		
	45	22	29,33	11,10	**SG22**	**SMB**	**63A4**		
	52	19	25,33	12,41	**SG22**	**SMR**	**63A4**		
	58	17	22,59	13,61	**SG22**	**SMR**	**63A4**		
	65	16	20,15	14,76	**SG22**	**SMR**	**63A4**		
	5,3	123	245,78	1,33	**SG12**	**SMB**	**63A4**		
	6,0	111	218,40	1,47	**SG12**	**SMB**	**63A4**		
	6,5	104	201,09	1,57	**SG12**	**SMB**	**63A4**		
	7,2	96	182,00	1,70	**SG12**	**SMB**	**63A4**		
	8,1	86	161,54	1,85	**SG12**	**SMB**	**63A4**		
	9,4	77	140,00	2,07	**SG12**	**SMB**	**63A4**		
	10	73	126,00	2,15	**SG12**	**SMB**	**63A4**		
	11	68	114,15	2,30	**SG12**	**SMB**	**63A4**		
	13	57	104,00	2,71	**SG12**	**SMB**	**63A4**		
	14	54	93,33	2,83	**SG12**	**SMB**	**63A4**	12	78
	15	51	88,31	2,97	**SG12**	**SMB**	**63A4**		
	17	46	77,00	3,27	**SG12**	**SMB**	**63A4**		
	20	40	66,50	3,72	**SG12**	**SMR**	**63A4**		
	22	36	59,29	3,95	**SG12**	**SMR**	**63A4**		
	25	33	52,89	4,36	**SG12**	**SMR**	**63A4**		
	28	29	47,60	4,72	**SG12**	**SMR**	**63A4**		
	30	28	44,15	4,98	**SG12**	**SMR**	**63A4**		
	34	25	38,00	5,41	**SG12**	**SMR**	**63A4**		
	41	21	31,61	6,14	**SG12**	**SMR**	**63A4**		
	47	18	28,00	6,73	**SG12**	**SMR**	**63A4**		
	19	49	67,30	2,77	**SG12**	**SMB**	**63A4**		
	22	43	59,80	3,15	**SG12**	**SMB**	**63A4**		
	24	40	55,06	3,43	**SG12**	**SMB**	**63A4**		
	26	37	49,83	3,65	**SG12**	**SMB**	**63A4**		
	30	32	44,23	4,18	**SG12**	**SMB**	**63A4**		
	34	29	38,33	4,61	**SG12**	**SMB**	**63A4**		
	38	26	34,50	5,05	**SG12**	**SMB**	**63A4**		
	42	23	31,26	5,54	**SG12**	**SMB**	**63A4**		
	46	21	28,48	6,02	**SG12**	**SMB**	**63A4**	12	78
	51	20	25,56	6,50	**SG12**	**SMB**	**63A4**		
	54	18	24,18	6,88	**SG12**	**SMB**	**63A4**		
	62	16	21,08	7,62	**SG12**	**SMB**	**63A4**		
	72	14	18,21	8,71	**SG12**	**SMR**	**63A4**		
	81	12	16,24	9,64	**SG12**	**SMR**	**63A4**		
	90	11	14,48	10,32	**SG12**	**SMR**	**63A4**		
	101	10	13,03	11,39	**SG12**	**SMR**	**63A4**		
	108	10	12,09	11,62	**SG12**	**SMR**	**63A4**		
	126	8	10,40	13,19	**SG12**	**SMR**	**63A4**		

P[kW]



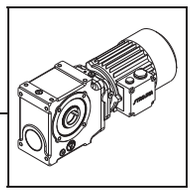
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,18	0,56	1504	2375,75	0,94		**SG63**	**SMB**	**63B4**		
	0,63	1364	2108,65	1,02		**SG63**	**SMB**	**63B4**		
	0,73	1177	1827,50	1,15		**SG63**	**SMB**	**63B4**		
	0,81	1082	1644,75	1,23		**SG63**	**SMB**	**63B4**		
	0,89	985	1490,12	1,35		**SG63**	**SMB**	**63B4**		
	0,98	912	1357,57	1,44		**SG63**	**SMB**	**63B4**		
	1,1	813	1218,33	1,59		**SG63**	**SMB**	**63B4**		
	1,2	759	1152,73	1,67		**SG63**	**SMB**	**63B4**		
	1,3	714	1005,13	1,74		**SG63**	**SMB**	**63B4**	51	96
	1,5	630	868,06	1,93		**SG63**	**SMR**	**63B4**		
	1,7	566	774,00	2,11		**SG63**	**SMR**	**63B4**		
	1,9	516	690,39	2,27		**SG63**	**SMR**	**63B4**		
	2,1	475	621,35	2,41		**SG63**	**SMR**	**63B4**		
	2,3	433	576,37	2,63		**SG63**	**SMR**	**63B4**		
	2,7	382	496,04	2,96		**SG63**	**SMR**	**63B4**		
	3,2	333	412,66	3,40		**SG63**	**SMR**	**63B4**		
	3,6	301	365,50	3,76		**SG63**	**SMR**	**63B4**		
	2,7	382	500,36	2,96		**SG62**	**SMB**	**63B4**		
	2,9	362	455,08	3,13		**SG62**	**SMB**	**63B4**		
	3,1	338	423,38	3,34		**SG62**	**SMB**	**63B4**	47	94
	3,7	293	363,55	3,86		**SG62**	**SMB**	**63B4**		
	4,0	271	329,67	4,18		**SG62**	**SMB**	**63B4**		
	4,3	256	307,62	4,42		**SG62**	**SMB**	**63B4**		
	0,65	1296	2044,25	0,90		**SG53**	**SMB**	**63B4**		
	0,73	1154	1814,42	0,99		**SG53**	**SMB**	**63B4**		
	0,85	1011	1572,50	1,13		**SG53**	**SMB**	**63B4**		
	0,94	914	1415,25	1,23		**SG53**	**SMB**	**63B4**		
	1,0	877	1282,19	1,27		**SG53**	**SMB**	**63B4**		
	1,1	797	1168,14	1,37		**SG53**	**SMB**	**63B4**		
	1,2	650	1048,33	1,50		**SG53**	**SMB**	**63B4**		
	1,3	688	991,88	1,55		**SG53**	**SMB**	**63B4**		
	1,5	607	864,88	1,72		**SG53**	**SMB**	**63B4**	43	92
	1,8	525	746,94	1,94		**SG53**	**SMR**	**63B4**		
	2,0	473	666,00	2,12		**SG53**	**SMR**	**63B4**		
	2,2	445	594,06	2,20		**SG53**	**SMR**	**63B4**		
	2,5	392	534,65	2,48		**SG53**	**SMR**	**63B4**		
	2,7	369	495,94	2,63		**SG53**	**SMR**	**63B4**		
	3,1	327	426,82	2,97		**SG53**	**SMR**	**63B4**		
	3,7	283	355,08	3,43		**SG53**	**SMR**	**63B4**		
	4,2	254	314,50	3,83		**SG53**	**SMR**	**63B4**		
	3,1	327	430,55	2,97		**SG52**	**SMB**	**63B4**		
	3,4	303	391,58	3,21		**SG52**	**SMB**	**63B4**		
	3,7	283	364,31	3,43		**SG52**	**SMB**	**63B4**	40	90
	4,3	248	312,82	3,93		**SG52**	**SMB**	**63B4**		
	4,7	230	283,67	4,22		**SG52**	**SMB**	**63B4**		
	5,0	220	264,69	4,42		**SG52**	**SMB**	**63B4**		

P[kW]



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,18	1,0	756	1284,23	0,92		**SG43**	**SMB**	**63B4**		
	1,2	645	1113,00	1,05		**SG43**	**SMB**	**63B4**		
	1,3	595	1001,70	1,12		**SG43**	**SMB**	**63B4**		
	1,5	527	907,52	1,25		**SG43**	**SMB**	**63B4**		
	1,6	494	826,80	1,31		**SG43**	**SMB**	**63B4**		
	1,8	449	742,00	1,41		**SG43**	**SMB**	**63B4**		
	1,9	434	702,05	1,45		**SG43**	**SMB**	**63B4**		
	2,2	383	612,15	1,61		**SG43**	**SMB**	**63B4**	31	88
	2,5	344	528,68	1,77		**SG43**	**SMR**	**63B4**		
	2,8	319	471,39	1,90		**SG43**	**SMR**	**63B4**		
	3,2	285	420,47	2,13		**SG43**	**SMR**	**63B4**		
	3,5	265	378,42	2,29		**SG43**	**SMR**	**63B4**		
	3,8	249	351,02	2,44		**SG43**	**SMR**	**63B4**		
	4,4	219	302,10	2,77		**SG43**	**SMR**	**63B4**		
	5,3	188	251,32	3,23		**SG43**	**SMR**	**63B4**		
	6,0	169	222,60	3,59		**SG43**	**SMR**	**63B4**		
	2,9	308	462,00	1,97		**SG42**	**SMB**	**63B4**		
	3,2	285	411,60	2,13		**SG42**	**SMB**	**63B4**		
	3,6	258	370,36	2,35		**SG42**	**SMB**	**63B4**		
	3,9	242	343,00	2,50		**SG42**	**SMB**	**63B4**		
	4,2	229	313,38	2,65		**SG42**	**SMB**	**63B4**	29	86
	5,0	196	267,27	3,10		**SG42**	**SMB**	**63B4**		
	5,5	181	241,50	3,35		**SG42**	**SMB**	**63B4**		
	6,1	166	219,69	3,65		**SG42**	**SMB**	**63B4**		
	6,6	156	201,00	3,88		**SG42**	**SMB**	**63B4**		
	7,0	150	189,00	4,05		**SG42**	**SMB**	**63B4**		
	1,4	540	927,50	0,92		**SG33**	**SMB**	**63B4**		
	1,6	483	834,75	1,01		**SG33**	**SMB**	**63B4**		
	1,8	439	756,27	1,09		**SG33**	**SMB**	**63B4**		
	1,9	425	689,00	1,11		**SG33**	**SMB**	**63B4**		
	2,2	375	618,33	1,24		**SG33**	**SMB**	**63B4**		
	2,3	359	585,04	1,29		**SG33**	**SMB**	**63B4**		
	2,6	324	510,13	1,41		**SG33**	**SMB**	**63B4**		
	3,0	292	440,56	1,57		**SG33**	**SMR**	**63B4**	27	84
	3,4	263	392,82	1,74		**SG33**	**SMR**	**63B4**		
	3,8	240	350,39	1,91		**SG33**	**SMR**	**63B4**		
	4,2	221	315,35	2,07		**SG33**	**SMR**	**63B4**		
	4,5	210	292,52	2,18		**SG33**	**SMR**	**63B4**		
	5,3	182	251,75	2,52		**SG33**	**SMR**	**63B4**		
	6,4	156	209,44	2,94		**SG33**	**SMR**	**63B4**		
	7,2	141	185,50	3,25		**SG33**	**SMR**	**63B4**		
	3,5	255	385,00	1,79		**SG32**	**SMB**	**63B4**		
	3,9	234	343,00	1,96		**SG32**	**SMB**	**63B4**		
	4,3	216	308,64	2,12		**SG32**	**SMB**	**63B4**		
	4,7	201	285,83	2,28		**SG32**	**SMB**	**63B4**		
	5,1	189	261,15	2,43		**SG32**	**SMB**	**63B4**		
	6,0	163	222,73	2,80		**SG32**	**SMB**	**63B4**	25	82
	6,6	151	201,25	3,03		**SG32**	**SMB**	**63B4**		
	7,3	139	183,08	3,30		**SG32**	**SMB**	**63B4**		
	7,9	131	167,50	3,51		**SG32**	**SMB**	**63B4**		
	8,4	125	157,50	3,67		**SG32**	**SMB**	**63B4**		
	9,3	113	142,69	4,06		**SG32**	**SMB**	**63B4**		

P[kW]

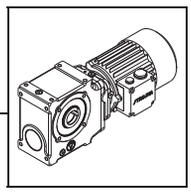


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,18	4,0	236	333,56	0,94		**SG22**	**SMB**	**63B4**		
	4,5	214	296,40	1,04		**SG22**	**SMB**	**63B4**		
	4,9	200	272,91	1,11		**SG22**	**SMB**	**63B4**		
	5,4	185	247,00	1,20		**SG22**	**SMB**	**63B4**		
	6,1	166	219,23	1,34		**SG22**	**SMB**	**63B4**		
	7,0	147	190,00	1,51		**SG22**	**SMB**	**63B4**		
	7,8	134	171,00	1,65		**SG22**	**SMB**	**63B4**		
	8,6	124	154,92	1,79		**SG22**	**SMB**	**63B4**		
	9,4	115	141,14	1,93		**SG22**	**SMB**	**63B4**		
	10,5	102	126,67	2,22		**SG22**	**SMB**	**63B4**	17	80
	11,1	100	119,85	2,19		**SG22**	**SMB**	**63B4**		
	13	87	104,50	2,54		**SG22**	**SMB**	**63B4**		
	15	77	90,25	2,89		**SG22**	**SMR**	**63B4**		
	17	69	80,47	3,23		**SG22**	**SMR**	**63B4**		
	19	62	71,78	3,56		**SG22**	**SMR**	**63B4**		
	21	57	64,60	3,82		**SG22**	**SMR**	**63B4**		
	22	55	59,92	3,95		**SG22**	**SMR**	**63B4**		
	26	47	51,57	4,47		**SG22**	**SMR**	**63B4**		
	31	40	42,90	5,01		**SG22**	**SMR**	**63B4**		
	35	36	38,00	5,41		**SG22**	**SMR**	**63B4**		
	14	98	93,63	2,75		**SG22**	**SMB**	**63B4**		
	16	86	83,20	3,12		**SG22**	**SMB**	**63B4**		
	17	82	76,61	3,26		**SG22**	**SMB**	**63B4**		
	19	73	69,33	3,62		**SG22**	**SMB**	**63B4**		
	22	64	61,54	4,10		**SG22**	**SMB**	**63B4**		
	25	57	53,33	4,56		**SG22**	**SMB**	**63B4**		
	28	52	48,00	5,00		**SG22**	**SMB**	**63B4**		
	31	47	43,49	5,47		**SG22**	**SMB**	**63B4**		
	34	43	39,62	5,89		**SG22**	**SMB**	**63B4**		
	37	39	35,56	6,33		**SG22**	**SMB**	**63B4**	17	80
	40	37	33,64	6,79		**SG22**	**SMB**	**63B4**		
	45	33	29,33	7,40		**SG22**	**SMB**	**63B4**		
	53	28	25,33	8,43		**SG22**	**SMR**	**63B4**		
	59	25	22,59	9,23		**SG22**	**SMR**	**63B4**		
	66	23	20,15	9,99		**SG22**	**SMR**	**63B4**		
	73	21	18,13	10,81		**SG22**	**SMR**	**63B4**		
	79	19	16,82	11,65		**SG22**	**SMR**	**63B4**		
	92	17	14,48	12,81		**SG22**	**SMR**	**63B4**		
	110	14	12,04	14,52		**SG22**	**SMR**	**63B4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,18	5,4	181	245,78	0,90	**SG12**	**SMB**	**63B4**		
	6,1	163	218,40	1,00	**SG12**	**SMB**	**63B4**		
	6,6	154	201,09	1,06	**SG12**	**SMB**	**63B4**		
	7,3	141	182,00	1,15	**SG12**	**SMB**	**63B4**		
	8,2	128	161,54	1,25	**SG12**	**SMB**	**63B4**		
	9,5	114	140,00	1,39	**SG12**	**SMB**	**63B4**		
	11	100	126,00	1,58	**SG12**	**SMB**	**63B4**		
	12	93	114,15	1,68	**SG12**	**SMB**	**63B4**		
	13	86	104,00	1,80	**SG12**	**SMB**	**63B4**		
	14	81	93,33	1,89	**SG12**	**SMB**	**63B4**	13	78
	15	77	88,31	1,98	**SG12**	**SMB**	**63B4**		
	17	69	77,00	2,18	**SG12**	**SMB**	**63B4**		
	20	59	66,50	2,48	**SG12**	**SMR**	**63B4**		
	22	55	59,29	2,63	**SG12**	**SMR**	**63B4**		
	25	49	52,89	2,91	**SG12**	**SMR**	**63B4**		
	28	44	47,60	3,14	**SG12**	**SMR**	**63B4**		
	30	41	44,15	3,32	**SG12**	**SMR**	**63B4**		
	35	36	38,00	3,71	**SG12**	**SMR**	**63B4**		
	42	30	31,61	4,19	**SG12**	**SMR**	**63B4**		
	48	27	28,00	4,58	**SG12**	**SMR**	**63B4**		
	20	70	67,30	1,94	**SG12**	**SMB**	**63B4**		
	22	65	59,80	2,10	**SG12**	**SMB**	**63B4**		
	24	59	55,06	2,29	**SG12**	**SMB**	**63B4**		
	27	53	49,83	2,52	**SG12**	**SMB**	**63B4**		
	30	48	44,23	2,78	**SG12**	**SMB**	**63B4**		
	35	42	38,33	3,16	**SG12**	**SMB**	**63B4**		
	39	38	34,50	3,46	**SG12**	**SMB**	**63B4**		
	43	34	31,26	3,78	**SG12**	**SMB**	**63B4**		
	47	31	28,48	4,10	**SG12**	**SMB**	**63B4**		
	52	29	25,56	4,42	**SG12**	**SMB**	**63B4**	13	78
	55	27	24,18	4,67	**SG12**	**SMB**	**63B4**		
	63	24	21,08	5,16	**SG12**	**SMB**	**63B4**		
	73	21	18,21	5,89	**SG12**	**SMR**	**63B4**		
	82	18	16,24	6,50	**SG12**	**SMR**	**63B4**		
	92	17	14,48	7,04	**SG12**	**SMR**	**63B4**		
	102	15	13,03	7,67	**SG12**	**SMR**	**63B4**		
	110	14	12,09	7,89	**SG12**	**SMR**	**63B4**		
	128	12	10,40	8,94	**SG12**	**SMR**	**63B4**		
	154	10	8,66	10,24	**SG12**	**SMR**	**63B4**		
	173	9	7,67	11,17	**SG12**	**SMR**	**63B4**		
0,25	0,90	1353	1490,12	0,98	**SG63**	**SMB**	**71A4**		
	0,99	1254	1357,57	1,04	**SG63**	**SMB**	**71A4**		
	1,1	1129	1218,33	1,14	**SG63**	**SMB**	**71A4**		
	1,2	1054	1152,73	1,21	**SG63**	**SMB**	**71A4**		
	1,3	992	1005,13	1,25	**SG63**	**SMB**	**71A4**		
	1,5	875	868,06	1,39	**SG63**	**SMR**	**71A4**		
	1,7	786	774,00	1,52	**SG63**	**SMR**	**71A4**	51	96
	1,9	716	690,39	1,64	**SG63**	**SMR**	**71A4**		
	2,2	629	621,35	1,82	**SG63**	**SMR**	**71A4**		
	2,3	602	576,37	1,89	**SG63**	**SMR**	**71A4**		
	2,7	531	496,04	2,13	**SG63**	**SMR**	**71A4**		
	3,2	463	412,66	2,44	**SG63**	**SMR**	**71A4**		
	3,7	407	365,50	2,78	**SG63**	**SMR**	**71A4**		

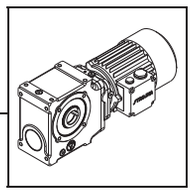
P[kW]



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,25	2,7	531	500,36	2,13		**SG62**	**SMB**	**71A4**		
	2,9	502	455,08	2,25		**SG62**	**SMB**	**71A4**		
	3,2	455	423,38	2,49		**SG62**	**SMB**	**71A4**		
	3,7	407	363,55	2,78		**SG62**	**SMB**	**71A4**		
	4,1	367	329,67	3,08		**SG62**	**SMB**	**71A4**	47	94
	4,4	347	307,62	3,26		**SG62**	**SMB**	**71A4**		
	4,8	323	279,50	3,50		**SG62**	**SMB**	**71A4**		
	5,3	297	254,42	3,80		**SG62**	**SMB**	**71A4**		
	5,8	276	231,54	4,10		**SG62**	**SMB**	**71A4**		
	1,0	1218	1282,19	0,91		**SG53**	**SMB**	**71A4**		
	1,1	1107	1168,14	0,99		**SG53**	**SMB**	**71A4**		
	1,3	955	1048,33	1,13		**SG53**	**SMB**	**71A4**		
	1,4	887	991,88	1,20		**SG53**	**SMB**	**71A4**		
	1,5	844	864,88	1,24		**SG53**	**SMB**	**71A4**		
	1,8	730	746,94	1,39		**SG53**	**SMR**	**71A4**		
	2,0	657	666,00	1,52		**SG53**	**SMR**	**71A4**	43	92
	2,3	592	594,06	1,65		**SG53**	**SMR**	**71A4**		
	2,5	544	534,65	1,79		**SG53**	**SMR**	**71A4**		
	2,7	513	495,94	1,90		**SG53**	**SMR**	**71A4**		
	3,1	454	426,82	2,14		**SG53**	**SMR**	**71A4**		
	3,8	383	355,08	2,54		**SG53**	**SMR**	**71A4**		
	4,3	344	314,50	2,83		**SG53**	**SMR**	**71A4**		
	3,1	454	430,55	2,14		**SG52**	**SMB**	**71A4**		
	3,4	421	391,58	2,31		**SG52**	**SMB**	**71A4**		
	3,7	394	364,31	2,47		**SG52**	**SMB**	**71A4**		
	4,3	344	312,82	2,83		**SG52**	**SMB**	**71A4**		
	4,7	320	283,67	3,04		**SG52**	**SMB**	**71A4**	40	90
	5,1	300	264,69	3,25		**SG52**	**SMB**	**71A4**		
	5,6	277	240,50	3,51		**SG52**	**SMB**	**71A4**		
	6,1	258	218,92	3,77		**SG52**	**SMB**	**71A4**		
	6,7	235	199,23	4,14		**SG52**	**SMB**	**71A4**		
	1,5	732	907,52	0,90		**SG43**	**SMB**	**71A4**		
	1,6	686	826,80	0,94		**SG43**	**SMB**	**71A4**		
	1,8	623	742,00	1,02		**SG43**	**SMB**	**71A4**		
	1,9	603	702,05	1,04		**SG43**	**SMB**	**71A4**		
	2,2	532	612,15	1,16		**SG43**	**SMB**	**71A4**		
	2,5	478	528,68	1,27		**SG43**	**SMR**	**71A4**		
	2,8	443	471,39	1,37		**SG43**	**SMR**	**71A4**	31	88
	3,2	395	420,47	1,54		**SG43**	**SMR**	**71A4**		
	3,5	368	378,42	1,65		**SG43**	**SMR**	**71A4**		
	3,8	346	351,02	1,76		**SG43**	**SMR**	**71A4**		
	4,4	304	302,10	2,00		**SG43**	**SMR**	**71A4**		
	5,3	261	251,32	2,32		**SG43**	**SMR**	**71A4**		
	6,0	235	222,60	2,59		**SG43**	**SMR**	**71A4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,25	2,9	428	462,00	1,42	**SG42**	**SMB**	**71A4**		
	3,3	383	411,60	1,58	**SG42**	**SMB**	**71A4**		
	3,6	358	370,36	1,69	**SG42**	**SMB**	**71A4**		
	3,9	337	343,00	1,80	**SG42**	**SMB**	**71A4**		
	4,3	311	313,38	1,95	**SG42**	**SMB**	**71A4**		
	5,0	272	267,27	2,23	**SG42**	**SMB**	**71A4**		
	5,5	252	241,50	2,41	**SG42**	**SMB**	**71A4**	29	86
	6,1	231	219,69	2,63	**SG42**	**SMB**	**71A4**		
	6,7	214	201,00	2,84	**SG42**	**SMB**	**71A4**		
	7,1	205	189,00	2,96	**SG42**	**SMB**	**71A4**		
	7,8	187	171,23	3,25	**SG42**	**SMB**	**71A4**		
	8,9	169	150,50	3,59	**SG42**	**SMB**	**71A4**		
	10	153	131,25	3,97	**SG42**	**SMR**	**71A4**		
	11	139	121,06	4,37	**SG42**	**SMR**	**71A4**		
P[kW]	2,3	498	585,04	0,93	**SG33**	**SMB**	**71A4**		
	2,6	450	510,13	1,02	**SG33**	**SMB**	**71A4**		
	3,0	406	440,56	1,13	**SG33**	**SMR**	**71A4**		
	3,4	365	392,82	1,25	**SG33**	**SMR**	**71A4**		
	3,8	333	350,39	1,38	**SG33**	**SMR**	**71A4**	27	84
	4,2	307	315,35	1,49	**SG33**	**SMR**	**71A4**		
	4,6	285	292,52	1,60	**SG33**	**SMR**	**71A4**		
	5,3	252	251,75	1,82	**SG33**	**SMR**	**71A4**		
	6,4	216	209,44	2,12	**SG33**	**SMR**	**71A4**		
	7,2	196	185,50	2,34	**SG33**	**SMR**	**71A4**		
	3,5	355	385,00	1,29	**SG32**	**SMB**	**71A4**		
	3,9	324	343,00	1,41	**SG32**	**SMB**	**71A4**		
	4,3	300	308,64	1,53	**SG32**	**SMB**	**71A4**		
	4,7	279	285,83	1,64	**SG32**	**SMB**	**71A4**		
	5,1	262	261,15	1,75	**SG32**	**SMB**	**71A4**		
	6,0	227	222,73	2,02	**SG32**	**SMB**	**71A4**		
	6,7	207	201,25	2,22	**SG32**	**SMB**	**71A4**		
	7,3	193	183,08	2,37	**SG32**	**SMB**	**71A4**		
	8,0	179	167,50	2,56	**SG32**	**SMB**	**71A4**	25	82
	8,5	171	157,50	2,67	**SG32**	**SMB**	**71A4**		
	9,4	155	142,69	2,96	**SG32**	**SMB**	**71A4**		
	11	137	125,42	3,35	**SG32**	**SMB**	**71A4**		
	12	127	109,38	3,60	**SG32**	**SMR**	**71A4**		
	13	118	100,88	3,90	**SG32**	**SMR**	**71A4**		
	14	111	93,33	4,13	**SG32**	**SMR**	**71A4**		
	14	136	95,33	3,58	**SG32**	**SMB**	**71A4**		
	16	121	84,93	4,01	**SG32**	**SMB**	**71A4**		
	18	109	76,42	4,42	**SG32**	**SMB**	**71A4**		

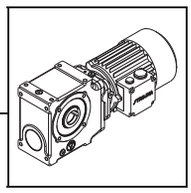


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,25	6,1	231	219,23	0,96	**SG22**	**SMB**	**71A4**		
	7,1	202	190,00	1,10	**SG22**	**SMB**	**71A4**		
	7,8	187	171,00	1,19	**SG22**	**SMB**	**71A4**		
	8,6	172	154,92	1,29	**SG22**	**SMB**	**71A4**		
	9,5	158	141,14	1,40	**SG22**	**SMB**	**71A4**		
	10,6	141	126,67	1,60	**SG22**	**SMB**	**71A4**		
	11,2	139	119,85	1,57	**SG22**	**SMB**	**71A4**		
	13	121	104,50	1,83	**SG22**	**SMB**	**71A4**	17	80
	15	107	90,25	2,08	**SG22**	**SMR**	**71A4**		
	17	96	80,47	2,32	**SG22**	**SMR**	**71A4**		
	19	87	71,78	2,56	**SG22**	**SMR**	**71A4**		
	21	80	64,60	2,75	**SG22**	**SMR**	**71A4**		
	22	76	59,92	2,84	**SG22**	**SMR**	**71A4**		
	26	65	51,57	3,22	**SG22**	**SMR**	**71A4**		
	31	55	42,90	3,61	**SG22**	**SMR**	**71A4**		
	35	50	38,00	3,90	**SG22**	**SMR**	**71A4**		
	14	136	93,63	1,98	**SG22**	**SMB**	**71A4**		
	16	119	83,20	2,25	**SG22**	**SMB**	**71A4**		
	17	114	76,61	2,35	**SG22**	**SMB**	**71A4**		
	19	102	69,33	2,60	**SG22**	**SMB**	**71A4**		
	22	89	61,54	2,96	**SG22**	**SMB**	**71A4**		
	25	79	53,33	3,28	**SG22**	**SMB**	**71A4**		
	28	72	48,00	3,60	**SG22**	**SMB**	**71A4**		
	31	65	43,49	3,94	**SG22**	**SMB**	**71A4**		
	34	60	39,62	4,24	**SG22**	**SMB**	**71A4**		
	38	53	35,56	4,68	**SG22**	**SMB**	**71A4**	17	80
	40	51	33,64	4,89	**SG22**	**SMB**	**71A4**		
	46	45	29,33	5,44	**SG22**	**SMB**	**71A4**		
	53	39	25,33	6,07	**SG22**	**SMR**	**71A4**		
	59	35	22,59	6,65	**SG22**	**SMR**	**71A4**		
	67	31	20,15	7,30	**SG22**	**SMR**	**71A4**		
	74	28	18,13	7,89	**SG22**	**SMR**	**71A4**		
	80	26	16,82	8,49	**SG22**	**SMR**	**71A4**		
	93	23	14,48	9,32	**SG22**	**SMR**	**71A4**		
	111	19	12,04	10,55	**SG22**	**SMR**	**71A4**		
	126	17	10,67	11,56	**SG22**	**SMR**	**71A4**		
	8,3	175	161,54	0,91	**SG12**	**SMB**	**71A4**		
	9,6	157	140,00	1,01	**SG12**	**SMB**	**71A4**		
	11	139	126,00	1,14	**SG12**	**SMB**	**71A4**		
	12	129	114,15	1,21	**SG12**	**SMB**	**71A4**		
	13	119	104,00	1,30	**SG12**	**SMB**	**71A4**		
	14	113	93,33	1,36	**SG12**	**SMB**	**71A4**		
	15	107	88,31	1,43	**SG12**	**SMB**	**71A4**		
	17	96	77,00	1,57	**SG12**	**SMB**	**71A4**	13	78
	20	82	66,50	1,78	**SG12**	**SMR**	**71A4**		
	23	73	59,29	1,98	**SG12**	**SMR**	**71A4**		
	25	68	52,89	2,09	**SG12**	**SMR**	**71A4**		
	28	61	47,60	2,26	**SG12**	**SMR**	**71A4**		
	30	57	44,15	2,39	**SG12**	**SMR**	**71A4**		
	35	50	38,00	2,67	**SG12**	**SMR**	**71A4**		
	42	42	31,61	3,02	**SG12**	**SMR**	**71A4**		
	48	37	28,00	3,30	**SG12**	**SMR**	**71A4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,25	20	98	67,30	1,40		**SG12**	**SMB**	**71A4**		
	22	90	59,80	1,51		**SG12**	**SMB**	**71A4**		
	24	83	55,06	1,65		**SG12**	**SMB**	**71A4**		
	27	74	49,83	1,82		**SG12**	**SMB**	**71A4**		
	30	67	44,23	2,00		**SG12**	**SMB**	**71A4**		
	35	58	38,33	2,28		**SG12**	**SMB**	**71A4**		
	39	53	34,50	2,49		**SG12**	**SMB**	**71A4**		
	43	48	31,26	2,72		**SG12**	**SMB**	**71A4**		
	47	44	28,48	2,95		**SG12**	**SMB**	**71A4**		
	52	40	25,56	3,18		**SG12**	**SMB**	**71A4**	13	78
	55	38	24,18	3,36		**SG12**	**SMB**	**71A4**		
	64	33	21,08	3,78		**SG12**	**SMB**	**71A4**		
	74	28	18,21	4,30		**SG12**	**SMR**	**71A4**		
	83	25	16,24	4,74		**SG12**	**SMR**	**71A4**		
	93	23	14,48	5,12		**SG12**	**SMR**	**71A4**		
	103	21	13,03	5,57		**SG12**	**SMR**	**71A4**		
	111	19	12,09	5,73		**SG12**	**SMR**	**71A4**		
	129	17	10,40	6,48		**SG12**	**SMR**	**71A4**		
	155	14	8,66	7,42		**SG12**	**SMR**	**71A4**		
	175	12	7,67	8,14		**SG12**	**SMR**	**71A4**		
0,37	1,5	1296	868,06	0,94		**SG63**	**SMR**	**71B4**		
	1,7	1164	774,00	1,02		**SG63**	**SMR**	**71B4**		
	1,9	1060	690,39	1,11		**SG63**	**SMR**	**71B4**		
	2,2	932	621,35	1,23		**SG63**	**SMR**	**71B4**	52	96
	2,3	891	576,37	1,28		**SG63**	**SMR**	**71B4**		
	2,7	785	496,04	1,44		**SG63**	**SMR**	**71B4**		
	3,2	685	412,66	1,65		**SG63**	**SMR**	**71B4**		
	3,7	602	365,50	1,88		**SG63**	**SMR**	**71B4**		
	2,7	785	500,36	1,44		**SG62**	**SMB**	**71B4**		
	2,9	743	455,08	1,52		**SG62**	**SMB**	**71B4**		
	3,2	674	423,38	1,68		**SG62**	**SMB**	**71B4**		
	3,7	602	363,55	1,88		**SG62**	**SMB**	**71B4**		
	4,1	543	329,67	2,08		**SG62**	**SMB**	**71B4**		
	4,4	514	307,62	2,20		**SG62**	**SMB**	**71B4**		
	4,8	478	279,50	2,36		**SG62**	**SMB**	**71B4**	48	94
	5,3	440	254,42	2,57		**SG62**	**SMB**	**71B4**		
	5,8	408	231,54	2,77		**SG62**	**SMB**	**71B4**		
	6,6	364	204,25	3,11		**SG62**	**SMB**	**71B4**		
	7,2	339	185,44	3,34		**SG62**	**SMR**	**71B4**		
	7,9	309	169,47	3,66		**SG62**	**SMR**	**71B4**		
	8,4	294	160,06	3,84		**SG62**	**SMR**	**71B4**		
	9,6	261	139,75	4,33		**SG62**	**SMR**	**71B4**		
	1,8	1080	746,94	0,94		**SG53**	**SMR**	**71B4**		
	2,0	972	666,00	1,03		**SG53**	**SMR**	**71B4**		
	2,3	876	594,06	1,12		**SG53**	**SMR**	**71B4**		
	2,5	806	534,65	1,21		**SG53**	**SMR**	**71B4**	44	92
	2,7	759	495,94	1,28		**SG53**	**SMR**	**71B4**		
	3,1	673	426,82	1,45		**SG53**	**SMR**	**71B4**		
	3,8	567	355,08	1,72		**SG53**	**SMR**	**71B4**		
	4,3	509	314,50	1,91		**SG53**	**SMR**	**71B4**		

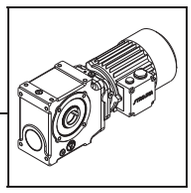
P[kW]



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,37	3,1	673	430,55	1,45	**SG52**	**SMB**	**71B4**		
	3,4	624	391,58	1,56	**SG52**	**SMB**	**71B4**		
	3,7	583	364,31	1,67	**SG52**	**SMB**	**71B4**		
	4,3	509	312,82	1,91	**SG52**	**SMB**	**71B4**		
	4,7	474	283,67	2,05	**SG52**	**SMB**	**71B4**		
	5,1	443	264,69	2,19	**SG52**	**SMB**	**71B4**		
	5,6	410	240,50	2,37	**SG52**	**SMB**	**71B4**		
	6,1	382	218,92	2,55	**SG52**	**SMB**	**71B4**	41	90
	6,7	348	199,23	2,80	**SG52**	**SMB**	**71B4**		
	7,6	316	175,75	3,08	**SG52**	**SMB**	**71B4**		
	8,4	286	159,56	3,40	**SG52**	**SMR**	**71B4**		
	9,2	265	145,82	3,67	**SG52**	**SMR**	**71B4**		
	9,7	255	137,72	3,82	**SG52**	**SMR**	**71B4**		
	11	225	120,25	4,33	**SG52**	**SMR**	**71B4**		
	13	228	104,73	4,15	**SG52**	**SMB**	**71B4**		
	14	215	95,25	4,39	**SG52**	**SMB**	**71B4**		
	2,8	656	471,39	0,92	**SG43**	**SMR**	**71B4**		
	3,2	585	420,47	1,04	**SG43**	**SMR**	**71B4**		
	3,5	545	378,42	1,11	**SG43**	**SMR**	**71B4**		
	3,8	511	351,02	1,19	**SG43**	**SMR**	**71B4**	32	88
	4,4	450	302,10	1,35	**SG43**	**SMR**	**71B4**		
	5,3	387	251,32	1,57	**SG43**	**SMR**	**71B4**		
	6,0	347	222,60	1,75	**SG43**	**SMR**	**71B4**		
	2,9	634	462,00	0,96	**SG42**	**SMB**	**71B4**		
	3,3	568	411,60	1,07	**SG42**	**SMB**	**71B4**		
	3,6	530	370,36	1,15	**SG42**	**SMB**	**71B4**		
	3,9	498	343,00	1,22	**SG42**	**SMB**	**71B4**		
	4,3	460	313,38	1,32	**SG42**	**SMB**	**71B4**		
	5,0	403	267,27	1,51	**SG42**	**SMB**	**71B4**		
	5,5	373	241,50	1,63	**SG42**	**SMB**	**71B4**		
	6,1	342	219,69	1,78	**SG42**	**SMB**	**71B4**		
	6,7	316	201,00	1,92	**SG42**	**SMB**	**71B4**	30	86
	7,1	304	189,00	2,00	**SG42**	**SMB**	**71B4**		
	7,8	276	171,23	2,20	**SG42**	**SMB**	**71B4**		
	8,9	250	150,50	2,43	**SG42**	**SMB**	**71B4**		
	10	226	131,25	2,68	**SG42**	**SMR**	**71B4**		
	11	206	121,06	2,95	**SG42**	**SMR**	**71B4**		
	12	191	112,00	3,17	**SG42**	**SMR**	**71B4**		
	14	167	96,60	3,64	**SG42**	**SMR**	**71B4**		
	15	155	92,08	3,90	**SG42**	**SMR**	**71B4**		
	16	148	82,50	4,10	**SG42**	**SMR**	**71B4**		
	12	236	113,67	3,26	**SG42**	**SMB**	**71B4**		
	13	220	101,27	3,46	**SG42**	**SMB**	**71B4**		
	15	193	91,12	3,91	**SG42**	**SMB**	**71B4**	30	86
	16	181	84,39	4,15	**SG42**	**SMB**	**71B4**		
	17	173	77,10	4,32	**SG42**	**SMB**	**71B4**		
	3,8	493	350,39	0,93	**SG33**	**SMR**	**71B4**		
	4,2	454	315,35	1,01	**SG33**	**SMR**	**71B4**		
	4,6	422	292,52	1,08	**SG33**	**SMR**	**71B4**	28	84
	5,3	373	251,75	1,23	**SG33**	**SMR**	**71B4**		
	6,4	320	209,44	1,43	**SG33**	**SMR**	**71B4**		
	7,2	290	185,50	1,58	**SG33**	**SMR**	**71B4**		

P[kW]

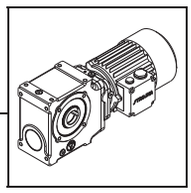
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,37	3,9	480	343,00	0,95	**SG32**	**SMB**	**71B4**		
	4,3	444	308,64	1,03	**SG32**	**SMB**	**71B4**		
	4,7	413	285,83	1,11	**SG32**	**SMB**	**71B4**		
	5,1	388	261,15	1,18	**SG32**	**SMB**	**71B4**		
	6,0	336	222,73	1,36	**SG32**	**SMB**	**71B4**		
	6,7	306	201,25	1,50	**SG32**	**SMB**	**71B4**		
	7,3	286	183,08	1,60	**SG32**	**SMB**	**71B4**		
	8,0	265	167,50	1,73	**SG32**	**SMB**	**71B4**		
	8,5	254	157,50	1,81	**SG32**	**SMB**	**71B4**	26	82
	9,4	229	142,69	2,00	**SG32**	**SMB**	**71B4**		
	11	202	125,42	2,26	**SG32**	**SMB**	**71B4**		
	12	188	109,38	2,43	**SG32**	**SMR**	**71B4**		
	13	174	100,88	2,63	**SG32**	**SMR**	**71B4**		
	14	164	93,33	2,79	**SG32**	**SMR**	**71B4**		
	17	137	80,50	3,34	**SG32**	**SMR**	**71B4**		
	18	137	76,73	3,34	**SG32**	**SMR**	**71B4**		
	19	125	68,75	3,68	**SG32**	**SMR**	**71B4**		
	23	104	58,71	4,29	**SG32**	**SMR**	**71B4**		
	14	202	95,33	2,42	**SG32**	**SMB**	**71B4**		
	16	179	84,93	2,71	**SG32**	**SMB**	**71B4**		
	18	161	76,42	2,99	**SG32**	**SMB**	**71B4**		
	19	152	70,78	3,13	**SG32**	**SMB**	**71B4**	26	82
	21	140	64,67	3,40	**SG32**	**SMB**	**71B4**		
	24	124	55,15	3,78	**SG32**	**SMB**	**71B4**		
	27	110	49,83	4,21	**SG32**	**SMB**	**71B4**		
	9,5	234	141,14	0,95	**SG22**	**SMB**	**71B4**		
	10,6	209	126,67	1,08	**SG22**	**SMB**	**71B4**		
	11,2	206	119,85	1,06	**SG22**	**SMB**	**71B4**		
	13	179	104,50	1,24	**SG22**	**SMB**	**71B4**		
	15	158	90,25	1,41	**SG22**	**SMR**	**71B4**		
	17	141	80,47	1,57	**SG22**	**SMR**	**71B4**	18	80
	19	128	71,78	1,73	**SG22**	**SMR**	**71B4**		
	21	118	64,60	1,86	**SG22**	**SMR**	**71B4**		
	22	112	59,92	1,92	**SG22**	**SMR**	**71B4**		
	26	96	51,57	2,18	**SG22**	**SMR**	**71B4**		
	31	82	42,90	2,44	**SG22**	**SMR**	**71B4**		
	35	74	38,00	2,63	**SG22**	**SMR**	**71B4**		



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,37	14	202	93,63	1,34	**SG22**	**SMB**	**71B4**		
	16	177	83,20	1,52	**SG22**	**SMB**	**71B4**		
	17	168	76,61	1,59	**SG22**	**SMB**	**71B4**		
	19	151	69,33	1,76	**SG22**	**SMB**	**71B4**		
	22	132	61,54	2,00	**SG22**	**SMB**	**71B4**		
	25	117	53,33	2,22	**SG22**	**SMB**	**71B4**		
	28	106	48,00	2,43	**SG22**	**SMB**	**71B4**		
	31	96	43,49	2,66	**SG22**	**SMB**	**71B4**		
	34	88	39,62	2,86	**SG22**	**SMB**	**71B4**		
	38	79	35,56	3,16	**SG22**	**SMB**	**71B4**	18	80
	40	75	33,64	3,30	**SG22**	**SMB**	**71B4**		
	46	66	29,33	3,68	**SG22**	**SMB**	**71B4**		
	53	58	25,33	4,10	**SG22**	**SMR**	**71B4**		
	59	52	22,59	4,49	**SG22**	**SMR**	**71B4**		
	67	46	20,15	4,93	**SG22**	**SMR**	**71B4**		
	74	42	18,13	5,33	**SG22**	**SMR**	**71B4**		
	80	39	16,82	5,74	**SG22**	**SMR**	**71B4**		
	93	34	14,48	6,30	**SG22**	**SMR**	**71B4**		
	111	28	12,04	7,13	**SG22**	**SMR**	**71B4**		
	126	25	10,67	7,81	**SG22**	**SMR**	**71B4**		
	14	167	93,33	0,92	**SG12**	**SMB**	**71B4**		
	15	158	88,31	0,96	**SG12**	**SMB**	**71B4**		
	17	141	77,00	1,06	**SG12**	**SMB**	**71B4**		
	20	122	66,50	1,21	**SG12**	**SMR**	**71B4**		
	23	108	59,29	1,34	**SG12**	**SMR**	**71B4**		
	25	100	52,89	1,42	**SG12**	**SMR**	**71B4**	14	78
	28	91	47,60	1,53	**SG12**	**SMR**	**71B4**		
	30	85	44,15	1,62	**SG12**	**SMR**	**71B4**		
	35	74	38,00	1,80	**SG12**	**SMR**	**71B4**		
	42	62	31,61	2,04	**SG12**	**SMR**	**71B4**		
	48	55	28,00	2,23	**SG12**	**SMR**	**71B4**		
	20	145	67,30	0,95	**SG12**	**SMB**	**71B4**		
	22	133	59,80	1,02	**SG12**	**SMB**	**71B4**		
	24	122	55,06	1,11	**SG12**	**SMB**	**71B4**		
	27	110	49,83	1,23	**SG12**	**SMB**	**71B4**		
	30	99	44,23	1,35	**SG12**	**SMB**	**71B4**		
	35	86	38,33	1,54	**SG12**	**SMB**	**71B4**		
	39	78	34,50	1,68	**SG12**	**SMB**	**71B4**		
	43	71	31,26	1,84	**SG12**	**SMB**	**71B4**		
	47	65	28,48	2,00	**SG12**	**SMB**	**71B4**		
	52	59	25,56	2,15	**SG12**	**SMB**	**71B4**	14	78
	55	56	24,18	2,27	**SG12**	**SMB**	**71B4**		
	64	49	21,08	2,55	**SG12**	**SMB**	**71B4**		
	74	42	18,21	2,90	**SG12**	**SMR**	**71B4**		
	83	37	16,24	3,20	**SG12**	**SMR**	**71B4**		
	93	34	14,48	3,46	**SG12**	**SMR**	**71B4**		
	103	31	13,03	3,77	**SG12**	**SMR**	**71B4**		
	111	29	12,09	3,87	**SG12**	**SMR**	**71B4**		
	129	25	10,40	4,38	**SG12**	**SMR**	**71B4**		
	155	21	8,66	5,01	**SG12**	**SMR**	**71B4**		
	175	18	7,67	5,50	**SG12**	**SMR**	**71B4**		
0,55	2,8	1126	496,04	1,00	**SG63**	**SMR**	**80A4**		
	3,3	987	412,66	1,15	**SG63**	**SMR**	**80A4**	54	96
	3,8	871	365,50	1,30	**SG63**	**SMR**	**80A4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,55	2,7	1167	500,36	0,97		**SG62**	**SMB**	**80A4**		
	3,0	1068	455,08	1,06		**SG62**	**SMB**	**80A4**		
	3,2	1001	423,38	1,13		**SG62**	**SMB**	**80A4**		
	3,8	871	363,55	1,30		**SG62**	**SMB**	**80A4**		
	4,2	788	329,67	1,44		**SG62**	**SMB**	**80A4**		
	4,5	747	307,62	1,51		**SG62**	**SMB**	**80A4**		
	4,9	697	279,50	1,62		**SG62**	**SMB**	**80A4**		
	5,4	642	254,42	1,76		**SG62**	**SMB**	**80A4**	50	94
	5,9	596	231,54	1,90		**SG62**	**SMB**	**80A4**		
	6,7	533	204,25	2,12		**SG62**	**SMB**	**80A4**		
	7,4	490	185,44	2,31		**SG62**	**SMR**	**80A4**		
	8,1	447	169,47	2,53		**SG62**	**SMR**	**80A4**		
	8,6	428	160,06	2,65		**SG62**	**SMR**	**80A4**		
	9,8	381	139,75	2,97		**SG62**	**SMR**	**80A4**		
P[kW]	11	344	124,22	3,29		**SG62**	**SMR**	**80A4**		
	11	406	120,24	3,08		**SG62**	**SMB**	**80A4**		
	13	343	109,36	3,61		**SG62**	**SMB**	**80A4**	50	94
	14	323	101,74	3,83		**SG62**	**SMB**	**80A4**		
	16	282	87,36	4,32		**SG62**	**SMB**	**80A4**		
	3,2	968	426,82	1,00		**SG53**	**SMR**	**80A4**		
	3,9	822	355,08	1,18		**SG53**	**SMR**	**80A4**	46	92
	4,4	740	314,50	1,31		**SG53**	**SMR**	**80A4**		
	3,2	968	430,55	1,00		**SG52**	**SMB**	**80A4**		
	3,5	900	391,58	1,08		**SG52**	**SMB**	**80A4**		
	3,8	843	364,31	1,15		**SG52**	**SMB**	**80A4**		
	4,4	740	312,82	1,31		**SG52**	**SMB**	**80A4**		
	4,8	689	283,67	1,41		**SG52**	**SMB**	**80A4**		
	5,2	646	264,69	1,51		**SG52**	**SMB**	**80A4**		
	5,7	599	240,50	1,62		**SG52**	**SMB**	**80A4**	43	90
	6,3	550	218,92	1,77		**SG52**	**SMB**	**80A4**		
	6,9	502	199,23	1,94		**SG52**	**SMB**	**80A4**		
	7,8	458	175,75	2,12		**SG52**	**SMB**	**80A4**		
	8,6	415	159,56	2,34		**SG52**	**SMR**	**80A4**		
	9,4	386	145,82	2,52		**SG52**	**SMR**	**80A4**		
	10	368	137,72	2,65		**SG52**	**SMR**	**80A4**		
	11	334	120,25	2,91		**SG52**	**SMR**	**80A4**		
	13	339	104,73	2,79		**SG52**	**SMB**	**80A4**		
	14	319	95,25	2,95		**SG52**	**SMB**	**80A4**		
	16	279	88,62	3,36		**SG52**	**SMB**	**80A4**	43	90
	18	251	76,09	3,69		**SG52**	**SMB**	**80A4**		
	20	226	69,00	4,07		**SG52**	**SMB**	**80A4**		
	21	218	64,38	4,20		**SG52**	**SMB**	**80A4**		
	4,6	639	302,10	0,95		**SG43**	**SMR**	**80A4**		
	5,5	554	251,32	1,10		**SG43**	**SMR**	**80A4**	34	88
	6,2	500	222,60	1,21		**SG43**	**SMR**	**80A4**		

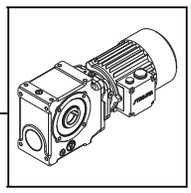


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,55	4,4	669	313,38	0,91		**SG42**	**SMB**	**80A4**		
	5,1	587	267,27	1,03		**SG42**	**SMB**	**80A4**		
	5,7	534	241,50	1,14		**SG42**	**SMB**	**80A4**		
	6,3	492	219,69	1,23		**SG42**	**SMB**	**80A4**		
	6,8	463	201,00	1,31		**SG42**	**SMB**	**80A4**		
	7,3	439	189,00	1,38		**SG42**	**SMB**	**80A4**		
	8,0	401	171,23	1,52		**SG42**	**SMB**	**80A4**		
	9,1	364	150,50	1,67		**SG42**	**SMB**	**80A4**		
	10	336	131,25	1,81		**SG42**	**SMR**	**80A4**	32	86
	11	306	121,06	1,99		**SG42**	**SMR**	**80A4**		
	12	285	112,00	2,13		**SG42**	**SMR**	**80A4**		
	14	248	96,60	2,45		**SG42**	**SMR**	**80A4**		
	15	231	92,08	2,63		**SG42**	**SMR**	**80A4**		
	17	207	82,50	2,93		**SG42**	**SMR**	**80A4**		
	20	179	70,45	3,40		**SG42**	**SMR**	**80A4**		
	23	155	60,53	3,91		**SG42**	**SMR**	**80A4**		
	26	139	52,22	4,35		**SG42**	**SMR**	**80A4**		
	14	304	101,27	2,51		**SG42**	**SMB**	**80A4**		
	15	287	91,12	2,63		**SG42**	**SMB**	**80A4**		
	16	269	84,39	2,79		**SG42**	**SMB**	**80A4**		
	18	242	77,10	3,08		**SG42**	**SMB**	**80A4**	32	86
	21	210	65,76	3,50		**SG42**	**SMB**	**80A4**		
	23	192	59,42	3,79		**SG42**	**SMB**	**80A4**		
	25	179	54,05	4,03		**SG42**	**SMB**	**80A4**		
	28	159	49,45	4,46		**SG42**	**SMB**	**80A4**		
	6,6	462	209,44	0,99		**SG33**	**SMR**	**80A4**	30	84
	7,4	419	185,50	1,09		**SG33**	**SMR**	**80A4**		
	6,2	483	222,73	0,95		**SG32**	**SMB**	**80A4**		
	6,8	448	201,25	1,02		**SG32**	**SMB**	**80A4**		
	7,5	413	183,08	1,11		**SG32**	**SMB**	**80A4**		
	8,2	384	167,50	1,19		**SG32**	**SMB**	**80A4**		
	8,7	368	157,50	1,24		**SG32**	**SMB**	**80A4**		
	9,6	334	142,69	1,37		**SG32**	**SMB**	**80A4**		
	11	301	125,42	1,52		**SG32**	**SMB**	**80A4**		
	13	259	109,38	1,77		**SG32**	**SMR**	**80A4**		
	14	240	100,88	1,91		**SG32**	**SMR**	**80A4**	28	82
	15	228	93,33	2,01		**SG32**	**SMR**	**80A4**		
	17	204	80,50	2,25		**SG32**	**SMR**	**80A4**		
	18	193	76,73	2,38		**SG32**	**SMR**	**80A4**		
	20	176	68,75	2,60		**SG32**	**SMR**	**80A4**		
	23	155	58,71	2,88		**SG32**	**SMR**	**80A4**		
	27	132	50,44	3,24		**SG32**	**SMR**	**80A4**		
	32	113	43,51	3,59		**SG32**	**SMR**	**80A4**		
	38	97	35,85	3,92		**SG32**	**SMR**	**80A4**		
	16	266	84,93	1,82		**SG32**	**SMB**	**80A4**		
	18	239	76,42	2,01		**SG32**	**SMB**	**80A4**		
	19	227	70,78	2,11		**SG32**	**SMB**	**80A4**		
	21	208	64,67	2,29		**SG32**	**SMB**	**80A4**		
	25	176	55,15	2,65		**SG32**	**SMB**	**80A4**		
	28	158	49,83	2,94		**SG32**	**SMB**	**80A4**	28	82
	30	149	45,33	3,08		**SG32**	**SMB**	**80A4**		
	33	135	41,48	3,35		**SG32**	**SMB**	**80A4**		
	35	128	39,00	3,52		**SG32**	**SMB**	**80A4**		
	39	116	35,33	3,82		**SG32**	**SMB**	**80A4**		
	44	103	31,06	4,23		**SG32**	**SMB**	**80A4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,55	15	235	90,25	0,95		**SG22**	**SMR**	**80A4**		
	17	210	80,47	1,06		**SG22**	**SMR**	**80A4**		
	19	191	71,78	1,16		**SG22**	**SMR**	**80A4**		
	21	175	64,60	1,25		**SG22**	**SMR**	**80A4**	20	80
	23	160	59,92	1,35		**SG22**	**SMR**	**80A4**		
	27	138	51,57	1,52		**SG22**	**SMR**	**80A4**		
	32	118	42,90	1,69		**SG22**	**SMR**	**80A4**		
	36	107	38,00	1,82		**SG22**	**SMR**	**80A4**		
	17	247	83,20	1,08		**SG22**	**SMB**	**80A4**		
	18	236	76,61	1,13		**SG22**	**SMB**	**80A4**		
	20	213	69,33	1,25		**SG22**	**SMB**	**80A4**		
	22	196	61,54	1,34		**SG22**	**SMB**	**80A4**		
	26	168	53,33	1,55		**SG22**	**SMB**	**80A4**		
	29	152	48,00	1,70		**SG22**	**SMB**	**80A4**		
	32	138	43,49	1,85		**SG22**	**SMB**	**80A4**		
	35	128	39,62	1,98		**SG22**	**SMB**	**80A4**		
	39	114	35,56	2,18		**SG22**	**SMB**	**80A4**	20	80
	41	109	33,64	2,28		**SG22**	**SMB**	**80A4**		
	47	96	29,33	2,53		**SG22**	**SMB**	**80A4**		
	54	85	25,33	2,81		**SG22**	**SMR**	**80A4**		
	61	75	22,59	3,12		**SG22**	**SMR**	**80A4**		
	68	68	20,15	3,37		**SG22**	**SMR**	**80A4**		
	76	61	18,13	3,68		**SG22**	**SMR**	**80A4**		
	82	56	16,82	3,96		**SG22**	**SMR**	**80A4**		
	95	49	14,48	4,33		**SG22**	**SMR**	**80A4**		
	36	107	38,00	1,25		**SG12**	**SMR**	**80A4**	16	78
	31	142	44,23	0,94		**SG12**	**SMB**	**80A4**		
	36	124	38,33	1,06		**SG12**	**SMB**	**80A4**		
	40	113	34,50	1,16		**SG12**	**SMB**	**80A4**		
	44	103	31,26	1,27		**SG12**	**SMB**	**80A4**		
	48	94	28,48	1,37		**SG12**	**SMB**	**80A4**		
	54	85	25,56	1,50		**SG12**	**SMB**	**80A4**		
	57	80	24,18	1,58		**SG12**	**SMB**	**80A4**		
	65	71	21,08	1,74		**SG12**	**SMB**	**80A4**	16	78
	76	61	18,21	2,01		**SG12**	**SMR**	**80A4**		
	85	54	16,24	2,21		**SG12**	**SMR**	**80A4**		
	95	49	14,48	2,38		**SG12**	**SMR**	**80A4**		
	105	45	13,03	2,58		**SG12**	**SMR**	**80A4**		
	114	41	12,09	2,68		**SG12**	**SMR**	**80A4**		
	132	36	10,40	3,02		**SG12**	**SMR**	**80A4**		
	159	30	8,66	3,46		**SG12**	**SMR**	**80A4**		
	179	27	7,67	3,78		**SG12**	**SMR**	**80A4**		
0,75	3,8	1187	365,50	0,95		**SG63**	**SMR**	**80B4**	55	96

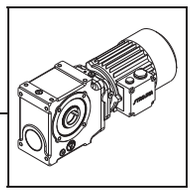
P[kW]



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
0,75	3,8	1187	363,55	0,95		**SG62**	**SMB**	**80B4**		
	4,2	1074	329,67	1,05		**SG62**	**SMB**	**80B4**		
	4,5	1019	307,62	1,11		**SG62**	**SMB**	**80B4**		
	4,9	950	279,50	1,19		**SG62**	**SMB**	**80B4**		
	5,4	875	254,42	1,29		**SG62**	**SMB**	**80B4**		
	5,9	813	231,54	1,39		**SG62**	**SMB**	**80B4**	51	94
	6,7	727	204,25	1,56		**SG62**	**SMB**	**80B4**		
	7,4	668	185,44	1,69		**SG62**	**SMR**	**80B4**		
	8,1	610	169,47	1,85		**SG62**	**SMR**	**80B4**		
	8,6	583	160,06	1,94		**SG62**	**SMR**	**80B4**		
	9,8	519	139,75	2,18		**SG62**	**SMR**	**80B4**		
	11	469	124,22	2,41		**SG62**	**SMR**	**80B4**		
	11	553	120,24	2,26		**SG62**	**SMB**	**80B4**		
	13	468	109,36	2,65		**SG62**	**SMB**	**80B4**		
	14	440	101,74	2,81		**SG62**	**SMB**	**80B4**		
	16	385	87,36	3,17		**SG62**	**SMB**	**80B4**	51	94
	17	367	79,22	3,30		**SG62**	**SMB**	**80B4**		
	19	328	73,92	3,67		**SG62**	**SMB**	**80B4**		
	20	315	67,17	3,79		**SG62**	**SMB**	**80B4**		
	22	287	61,14	4,12		**SG62**	**SMB**	**80B4**		
	4,4	1009	314,50	0,96		**SG53**	**SMR**	**80B4**	47	92
	4,4	1009	312,82	0,96		**SG52**	**SMB**	**80B4**		
	4,8	940	283,67	1,04		**SG52**	**SMB**	**80B4**		
	5,2	882	264,69	1,10		**SG52**	**SMB**	**80B4**		
	5,7	817	240,50	1,19		**SG52**	**SMB**	**80B4**		
	6,3	750	218,92	1,30		**SG52**	**SMB**	**80B4**		
	6,9	685	199,23	1,42		**SG52**	**SMB**	**80B4**	44	90
	7,8	624	175,75	1,56		**SG52**	**SMB**	**80B4**		
	8,6	566	159,56	1,72		**SG52**	**SMR**	**80B4**		
	9,4	526	145,82	1,85		**SG52**	**SMR**	**80B4**		
	10	501	137,72	1,94		**SG52**	**SMR**	**80B4**		
	11	456	120,25	2,13		**SG52**	**SMR**	**80B4**		
	13	391	106,89	2,46		**SG52**	**SMR**	**80B4**		
	13	463	104,73	2,05		**SG52**	**SMB**	**80B4**		
	14	435	95,25	2,17		**SG52**	**SMB**	**80B4**		
	16	381	88,62	2,47		**SG52**	**SMB**	**80B4**		
	18	342	76,09	2,71		**SG52**	**SMB**	**80B4**		
	20	308	69,00	2,99		**SG52**	**SMB**	**80B4**	44	90
	21	297	64,38	3,08		**SG52**	**SMB**	**80B4**		
	24	260	58,50	3,50		**SG52**	**SMB**	**80B4**		
	26	242	53,25	3,70		**SG52**	**SMB**	**80B4**		
	28	225	48,46	3,94		**SG52**	**SMB**	**80B4**		
	32	199	42,75	4,38		**SG52**	**SMB**	**80B4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,75	6,3	671	219,69	0,90	**SG42**	**SMB**	**80B4**		
	6,8	632	201,00	0,96	**SG42**	**SMB**	**80B4**		
	7,3	599	189,00	1,01	**SG42**	**SMB**	**80B4**		
	8,0	546	171,23	1,11	**SG42**	**SMB**	**80B4**		
	9,1	496	150,50	1,22	**SG42**	**SMB**	**80B4**		
	10	458	131,25	1,32	**SG42**	**SMR**	**80B4**		
	11	417	121,06	1,46	**SG42**	**SMR**	**80B4**		
	12	388	112,00	1,56	**SG42**	**SMR**	**80B4**	33	86
	14	338	96,60	1,80	**SG42**	**SMR**	**80B4**		
	15	315	92,08	1,93	**SG42**	**SMR**	**80B4**		
	17	282	82,50	2,15	**SG42**	**SMR**	**80B4**		
	20	244	70,45	2,49	**SG42**	**SMR**	**80B4**		
	23	212	60,53	2,87	**SG42**	**SMR**	**80B4**		
	26	190	52,22	3,19	**SG42**	**SMR**	**80B4**		
P[kW]	32	157	43,02	3,87	**SG42**	**SMR**	**80B4**		
	14	414	101,27	1,84	**SG42**	**SMB**	**80B4**		
	15	392	91,12	1,93	**SG42**	**SMB**	**80B4**		
	16	367	84,39	2,05	**SG42**	**SMB**	**80B4**		
	18	330	77,10	2,26	**SG42**	**SMB**	**80B4**		
	21	287	65,76	2,57	**SG42**	**SMB**	**80B4**		
	23	262	59,42	2,78	**SG42**	**SMB**	**80B4**	33	86
	25	244	54,05	2,95	**SG42**	**SMB**	**80B4**		
	28	217	49,45	3,27	**SG42**	**SMB**	**80B4**		
	30	203	46,50	3,47	**SG42**	**SMB**	**80B4**		
	33	187	42,13	3,73	**SG42**	**SMB**	**80B4**		
	37	166	37,03	4,09	**SG42**	**SMB**	**80B4**		
	8,7	502	157,50	0,91	**SG32**	**SMB**	**80B4**		
	9,6	455	142,69	1,01	**SG32**	**SMB**	**80B4**		
	11	410	125,42	1,12	**SG32**	**SMB**	**80B4**		
	13	353	109,38	1,30	**SG32**	**SMR**	**80B4**		
	14	327	100,88	1,40	**SG32**	**SMR**	**80B4**		
	15	310	93,33	1,48	**SG32**	**SMR**	**80B4**		
	17	278	80,50	1,65	**SG32**	**SMR**	**80B4**	29	82
	18	263	76,73	1,74	**SG32**	**SMR**	**80B4**		
	20	240	68,75	1,91	**SG32**	**SMR**	**80B4**		
	23	212	58,71	2,12	**SG32**	**SMR**	**80B4**		
	27	180	50,44	2,37	**SG32**	**SMR**	**80B4**		
	32	154	43,51	2,64	**SG32**	**SMR**	**80B4**		
	38	132	35,85	2,87	**SG32**	**SMR**	**80B4**		
	16	363	84,93	1,34	**SG32**	**SMB**	**80B4**		
	18	326	76,42	1,47	**SG32**	**SMB**	**80B4**		
	19	309	70,78	1,55	**SG32**	**SMB**	**80B4**		
	21	283	64,67	1,68	**SG32**	**SMB**	**80B4**		
	25	241	55,15	1,94	**SG32**	**SMB**	**80B4**		
	28	215	49,83	2,15	**SG32**	**SMB**	**80B4**		
	30	203	45,33	2,26	**SG32**	**SMB**	**80B4**		
	33	184	41,48	2,46	**SG32**	**SMB**	**80B4**	29	82
	35	174	39,00	2,58	**SG32**	**SMB**	**80B4**		
	39	158	35,33	2,80	**SG32**	**SMB**	**80B4**		
	44	140	31,06	3,10	**SG32**	**SMB**	**80B4**		
	51	122	27,08	3,46	**SG32**	**SMR**	**80B4**		
	55	113	24,98	3,68	**SG32**	**SMR**	**80B4**		
	59	107	23,11	3,84	**SG32**	**SMR**	**80B4**		
	69	91	19,93	4,35	**SG32**	**SMR**	**80B4**		
	72	88	19,00	4,48	**SG32**	**SMR**	**80B4**		

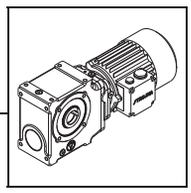


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
0,75	21	239	64,60	0,92	**SG22**	**SMR**	**80B4**		
	23	218	59,92	0,99	**SG22**	**SMR**	**80B4**		
	27	188	51,57	1,11	**SG22**	**SMR**	**80B4**	21	80
	32	161	42,90	1,24	**SG22**	**SMR**	**80B4**		
	36	145	38,00	1,34	**SG22**	**SMR**	**80B4**		
	20	290	69,33	0,91	**SG22**	**SMB**	**80B4**		
	22	267	61,54	0,99	**SG22**	**SMB**	**80B4**		
	26	229	53,33	1,14	**SG22**	**SMB**	**80B4**		
	29	207	48,00	1,24	**SG22**	**SMB**	**80B4**		
	32	188	43,49	1,36	**SG22**	**SMB**	**80B4**		
	35	174	39,62	1,45	**SG22**	**SMB**	**80B4**		
	39	156	35,56	1,60	**SG22**	**SMB**	**80B4**		
	41	148	33,64	1,67	**SG22**	**SMB**	**80B4**		
	47	131	29,33	1,85	**SG22**	**SMB**	**80B4**	21	80
	54	115	25,33	2,06	**SG22**	**SMR**	**80B4**		
	61	102	22,59	2,29	**SG22**	**SMR**	**80B4**		
	68	93	20,15	2,47	**SG22**	**SMR**	**80B4**		
	76	83	18,13	2,70	**SG22**	**SMR**	**80B4**		
	82	77	16,82	2,90	**SG22**	**SMR**	**80B4**		
	95	67	14,48	3,17	**SG22**	**SMR**	**80B4**		
	114	56	12,04	3,61	**SG22**	**SMR**	**80B4**		
	129	49	10,67	3,95	**SG22**	**SMR**	**80B4**		
	36	145	38,00	0,92	**SG12**	**SMR**	**80B4**		
	44	140	31,26	0,93	**SG12**	**SMB**	**80B4**		
	48	128	28,48	1,01	**SG12**	**SMB**	**80B4**		
	54	115	25,56	1,10	**SG12**	**SMB**	**80B4**		
	57	109	24,18	1,16	**SG12**	**SMB**	**80B4**		
	65	97	21,08	1,28	**SG12**	**SMB**	**80B4**		
	76	83	18,21	1,47	**SG12**	**SMR**	**80B4**	17	78
	85	74	16,24	1,62	**SG12**	**SMR**	**80B4**		
	95	67	14,48	1,74	**SG12**	**SMR**	**80B4**		
	105	61	13,03	1,89	**SG12**	**SMR**	**80B4**		
	114	57	12,09	1,96	**SG12**	**SMR**	**80B4**		
	132	49	10,40	2,21	**SG12**	**SMR**	**80B4**		
	159	41	8,66	2,54	**SG12**	**SMR**	**80B4**		
	179	36	7,67	2,77	**SG12**	**SMR**	**80B4**		
1,10	6,1	1154	231,54	0,98	**SG62**	**SMB**	**90S4**		
	6,9	1035	204,25	1,09	**SG62**	**SMB**	**90S4**		
	7,6	954	185,44	1,19	**SG62**	**SMB**	**90S4**		
	8,3	873	169,47	1,30	**SG62**	**SMB**	**90S4**		
	8,8	836	160,06	1,35	**SG62**	**SMR**	**90S4**	55	94
	10	746	139,75	1,52	**SG62**	**SMR**	**90S4**		
	11	688	124,22	1,64	**SG62**	**SMR**	**90S4**		
	12	630	113,16	1,79	**SG62**	**SMR**	**90S4**		
	14	548	98,29	2,06	**SG62**	**SMR**	**90S4**		
	16	486	86,00	2,33	**SG62**	**SMR**	**90S4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
1,10	13	687	109,36	1,81	**SG62**	**SMB**	**90S4**		
	14	645	101,74	1,91	**SG62**	**SMB**	**90S4**		
	16	565	87,36	2,16	**SG62**	**SMB**	**90S4**		
	18	508	79,22	2,39	**SG62**	**SMB**	**90S4**		
	19	481	73,92	2,50	**SG62**	**SMB**	**90S4**		
	21	440	67,17	2,71	**SG62**	**SMB**	**90S4**	55	94
	23	402	61,14	2,94	**SG62**	**SMB**	**90S4**		
	25	370	55,64	3,16	**SG62**	**SMB**	**90S4**		
	29	322	49,08	3,57	**SG62**	**SMB**	**90S4**		
	32	292	44,56	3,88	**SG62**	**SMB**	**90S4**		
	35	267	40,73	4,19	**SG62**	**SMB**	**90S4**		
	37	256	38,46	4,34	**SG62**	**SMR**	**90S4**		
	7,1	977	199,23	1,00	**SG52**	**SMB**	**90S4**		
	8,0	893	175,75	1,09	**SG52**	**SMB**	**90S4**		
	8,8	812	159,56	1,20	**SG52**	**SMB**	**90S4**		
	9,7	747	145,82	1,30	**SG52**	**SMB**	**90S4**		
	10	735	137,72	1,32	**SG52**	**SMR**	**90S4**	48	90
	12	613	120,25	1,59	**SG52**	**SMR**	**90S4**		
	13	574	106,89	1,67	**SG52**	**SMR**	**90S4**		
	14	540	97,37	1,75	**SG52**	**SMR**	**90S4**		
	17	451	84,57	2,03	**SG52**	**SMR**	**90S4**		
	19	404	74,00	2,20	**SG52**	**SMR**	**90S4**		
	15	595	95,25	1,58	**SG52**	**SMB**	**90S4**		
	16	558	88,62	1,68	**SG52**	**SMB**	**90S4**		
	19	475	76,09	1,95	**SG52**	**SMB**	**90S4**		
	20	452	69,00	2,04	**SG52**	**SMB**	**90S4**		
	22	415	64,38	2,20	**SG52**	**SMB**	**90S4**		
	24	381	58,50	2,38	**SG52**	**SMB**	**90S4**		
	26	356	53,25	2,52	**SG52**	**SMB**	**90S4**	48	90
	29	319	48,46	2,78	**SG52**	**SMB**	**90S4**		
	33	283	42,75	3,08	**SG52**	**SMB**	**90S4**		
	36	260	38,81	3,32	**SG52**	**SMB**	**90S4**		
	40	234	35,47	3,64	**SG52**	**SMB**	**90S4**		
	42	223	33,50	3,78	**SG52**	**SMR**	**90S4**		
	48	197	29,25	4,17	**SG52**	**SMR**	**90S4**		
	11	611	131,25	0,99	**SG42**	**SMB**	**90S4**		
	12	560	121,06	1,08	**SG42**	**SMB**	**90S4**		
	13	525	112,00	1,16	**SG42**	**SMR**	**90S4**		
	15	462	96,60	1,31	**SG42**	**SMR**	**90S4**		
	15	462	92,08	1,31	**SG42**	**SMR**	**90S4**	37	86
	17	414	82,50	1,47	**SG42**	**SMR**	**90S4**		
	20	357	70,45	1,70	**SG42**	**SMR**	**90S4**		
	23	311	60,53	1,95	**SG42**	**SMR**	**90S4**		
	27	268	52,22	2,26	**SG42**	**SMR**	**90S4**		
	33	223	43,02	2,72	**SG42**	**SMR**	**90S4**		

P[kW]

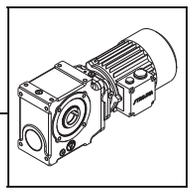


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B					m [kg]	
1,10	17	507	84,39	1,48		**SG42**	**SMB**	**90S4**		
	18	484	77,10	1,54		**SG42**	**SMB**	**90S4**		
	21	420	65,76	1,75		**SG42**	**SMB**	**90S4**		
	24	368	59,42	1,98		**SG42**	**SMB**	**90S4**		
	26	343	54,05	2,09		**SG42**	**SMB**	**90S4**		
	29	308	49,45	2,31		**SG42**	**SMB**	**90S4**		
	30	298	46,50	2,37		**SG42**	**SMB**	**90S4**		
	33	274	42,13	2,54		**SG42**	**SMB**	**90S4**	37	86
	38	238	37,03	2,86		**SG42**	**SMB**	**90S4**		
	44	208	32,29	3,20		**SG42**	**SMB**	**90S4**		
	47	194	29,78	3,37		**SG42**	**SMB**	**90S4**		
	51	179	27,56	3,60		**SG42**	**SMR**	**90S4**		
	59	157	23,77	3,98		**SG42**	**SMR**	**90S4**		
	62	149	22,65	4,13		**SG42**	**SMR**	**90S4**		
	69	134	20,30	4,47		**SG42**	**SMR**	**90S4**		
	14	480	100,88	0,95		**SG32**	**SMB**	**90S4**		
	15	455	93,33	1,01		**SG32**	**SMR**	**90S4**		
	18	385	80,50	1,19		**SG32**	**SMR**	**90S4**		
	18	385	76,73	1,19		**SG32**	**SMR**	**90S4**		
	21	335	68,75	1,37		**SG32**	**SMR**	**90S4**	33	82
	24	298	58,71	1,51		**SG32**	**SMR**	**90S4**		
	28	255	50,44	1,68		**SG32**	**SMR**	**90S4**		
	32	227	43,51	1,80		**SG32**	**SMR**	**90S4**		
	39	189	35,85	2,01		**SG32**	**SMR**	**90S4**		
	20	431	70,78	1,11		**SG32**	**SMB**	**90S4**		
	22	396	64,67	1,20		**SG32**	**SMB**	**90S4**		
	26	339	55,15	1,38		**SG32**	**SMB**	**90S4**		
	28	315	49,83	1,47		**SG32**	**SMB**	**90S4**		
	31	288	45,33	1,59		**SG32**	**SMB**	**90S4**		
	34	263	41,48	1,72		**SG32**	**SMB**	**90S4**		
	36	248	39,00	1,81		**SG32**	**SMB**	**90S4**		
	40	226	35,33	1,96		**SG32**	**SMB**	**90S4**		
	45	201	31,06	2,16		**SG32**	**SMB**	**90S4**	33	82
	52	176	27,08	2,41		**SG32**	**SMB**	**90S4**		
	56	163	24,98	2,56		**SG32**	**SMB**	**90S4**		
	61	152	23,11	2,71		**SG32**	**SMR**	**90S4**		
	71	130	19,93	3,05		**SG32**	**SMR**	**90S4**		
	74	125	19,00	3,14		**SG32**	**SMR**	**90S4**		
	83	111	17,02	3,42		**SG32**	**SMR**	**90S4**		
	97	96	14,54	3,79		**SG32**	**SMR**	**90S4**		
	113	83	12,49	4,21		**SG32**	**SMR**	**90S4**		
	32	276	43,49	0,92		**SG22**	**SMB**	**90S4**		
	36	248	39,62	1,02		**SG22**	**SMB**	**90S4**		
	40	223	35,56	1,12		**SG22**	**SMB**	**90S4**		
	42	213	33,64	1,17		**SG22**	**SMB**	**90S4**		
	48	188	29,33	1,29		**SG22**	**SMB**	**90S4**		
	56	163	25,33	1,46		**SG22**	**SMB**	**90S4**		
	62	147	22,59	1,59		**SG22**	**SMB**	**90S4**	25	80
	70	132	20,15	1,73		**SG22**	**SMR**	**90S4**		
	78	119	18,13	1,89		**SG22**	**SMR**	**90S4**		
	84	110	16,82	2,03		**SG22**	**SMR**	**90S4**		
	97	96	14,48	2,21		**SG22**	**SMR**	**90S4**		
	117	80	12,04	2,53		**SG22**	**SMR**	**90S4**		
	132	71	10,67	2,75		**SG22**	**SMR**	**90S4**		

P[kW]

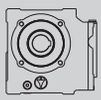
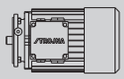
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
1,10	77	120	18,21	1,02	**SG12**	**SMB**	**90S4**		
	87	106	16,24	1,13	**SG12**	**SMB**	**90S4**		
	97	96	14,48	1,21	**SG12**	**SMR**	**90S4**		
	108	87	13,03	1,33	**SG12**	**SMR**	**90S4**	21	78
	117	81	12,09	1,37	**SG12**	**SMR**	**90S4**		
	136	70	10,40	1,55	**SG12**	**SMR**	**90S4**		
	163	59	8,66	1,77	**SG12**	**SMR**	**90S4**		
	184	52	7,67	1,94	**SG12**	**SMR**	**90S4**		
1,50	8,3	1191	169,47	0,95	**SG62**	**SMB**	**90L4**		
	8,8	1139	160,06	0,99	**SG62**	**SMR**	**90L4**		
	10	1017	139,75	1,11	**SG62**	**SMR**	**90L4**		
	11	938	124,22	1,21	**SG62**	**SMR**	**90L4**	58	94
	12	860	113,16	1,32	**SG62**	**SMR**	**90L4**		
	14	747	98,29	1,51	**SG62**	**SMR**	**90L4**		
	16	663	86,00	1,71	**SG62**	**SMR**	**90L4**		
	13	937	109,36	1,32	**SG62**	**SMB**	**90L4**		
	14	880	101,74	1,40	**SG62**	**SMB**	**90L4**		
	16	770	87,36	1,59	**SG62**	**SMB**	**90L4**		
	18	692	79,22	1,75	**SG62**	**SMB**	**90L4**		
	19	656	73,92	1,84	**SG62**	**SMB**	**90L4**		
	21	600	67,17	1,99	**SG62**	**SMB**	**90L4**		
	23	548	61,14	2,15	**SG62**	**SMB**	**90L4**		
	25	504	55,64	2,32	**SG62**	**SMB**	**90L4**	58	94
	29	440	49,08	2,62	**SG62**	**SMB**	**90L4**		
	32	398	44,56	2,85	**SG62**	**SMB**	**90L4**		
	34	375	40,73	2,98	**SG62**	**SMB**	**90L4**		
	37	348	38,46	3,18	**SG62**	**SMR**	**90L4**		
	42	307	33,58	3,53	**SG62**	**SMR**	**90L4**		
	47	274	29,85	3,86	**SG62**	**SMR**	**90L4**		
	52	251	27,19	4,14	**SG62**	**SMR**	**90L4**		
	9,6	1030	145,82	0,95	**SG52**	**SMB**	**90L4**		
	10	1003	137,72	0,97	**SG52**	**SMR**	**90L4**		
	12	836	120,25	1,16	**SG52**	**SMR**	**90L4**		
	13	782	106,89	1,23	**SG52**	**SMR**	**90L4**	51	90
	14	737	97,37	1,28	**SG52**	**SMR**	**90L4**		
	17	615	84,57	1,49	**SG52**	**SMR**	**90L4**		
	19	550	74,00	1,61	**SG52**	**SMR**	**90L4**		
	15	812	95,25	1,16	**SG52**	**SMB**	**90L4**		
	16	761	88,62	1,23	**SG52**	**SMB**	**90L4**		
	18	684	76,09	1,35	**SG52**	**SMB**	**90L4**		
	20	616	69,00	1,49	**SG52**	**SMB**	**90L4**		
	22	566	64,38	1,61	**SG52**	**SMB**	**90L4**		
	24	519	58,50	1,75	**SG52**	**SMB**	**90L4**		
	26	485	53,25	1,85	**SG52**	**SMB**	**90L4**		
	29	435	48,46	2,04	**SG52**	**SMB**	**90L4**		
	33	386	42,75	2,26	**SG52**	**SMB**	**90L4**	51	90
	36	354	38,81	2,43	**SG52**	**SMB**	**90L4**		
	40	319	35,47	2,67	**SG52**	**SMB**	**90L4**		
	42	304	33,50	2,77	**SG52**	**SMR**	**90L4**		
	48	269	29,25	3,06	**SG52**	**SMR**	**90L4**		
	54	239	26,00	3,37	**SG52**	**SMR**	**90L4**		
	59	219	23,68	3,61	**SG52**	**SMR**	**90L4**		
	68	192	20,57	3,98	**SG52**	**SMR**	**90L4**		
	78	167	18,00	4,42	**SG52**	**SMR**	**90L4**		

P[kW]

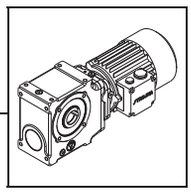


P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
1,50	15	630	96,60	0,96	**SG42**	**SMR**	**90L4**		
	16	630	92,08	0,96	**SG42**	**SMR**	**90L4**		
	17	565	82,50	1,08	**SG42**	**SMR**	**90L4**		
	20	487	70,45	1,25	**SG42**	**SMR**	**90L4**	40	86
	23	424	60,53	1,43	**SG42**	**SMR**	**90L4**		
	27	366	52,22	1,66	**SG42**	**SMR**	**90L4**		
	33	304	43,02	2,00	**SG42**	**SMR**	**90L4**		
	17	691	84,39	1,09	**SG42**	**SMB**	**90L4**		
	18	661	77,10	1,13	**SG42**	**SMB**	**90L4**		
	21	573	65,76	1,28	**SG42**	**SMB**	**90L4**		
	24	501	59,42	1,45	**SG42**	**SMB**	**90L4**		
	26	468	54,05	1,54	**SG42**	**SMB**	**90L4**		
	28	435	49,45	1,63	**SG42**	**SMB**	**90L4**		
	30	406	46,50	1,74	**SG42**	**SMB**	**90L4**		
	33	373	42,13	1,86	**SG42**	**SMB**	**90L4**		
	38	324	37,03	2,10	**SG42**	**SMB**	**90L4**	40	86
	44	283	32,29	2,35	**SG42**	**SMB**	**90L4**		
	47	265	29,78	2,47	**SG42**	**SMB**	**90L4**		
	51	244	27,56	2,64	**SG42**	**SMR**	**90L4**		
	59	214	23,77	2,92	**SG42**	**SMR**	**90L4**		
	62	203	22,65	3,03	**SG42**	**SMR**	**90L4**		
	69	183	20,30	3,28	**SG42**	**SMR**	**90L4**		
	81	157	17,33	3,64	**SG42**	**SMR**	**90L4**		
	94	136	14,89	4,03	**SG42**	**SMR**	**90L4**		
	109	117	12,85	4,44	**SG42**	**SMR**	**90L4**		
	25	481	55,15	0,97	**SG32**	**SMB**	**90L4**		
	28	430	49,83	1,08	**SG32**	**SMB**	**90L4**		
	31	393	45,33	1,17	**SG32**	**SMB**	**90L4**		
	34	358	41,48	1,26	**SG32**	**SMB**	**90L4**		
	36	338	39,00	1,33	**SG32**	**SMB**	**90L4**		
	40	308	35,33	1,44	**SG32**	**SMB**	**90L4**		
	45	274	31,06	1,59	**SG32**	**SMB**	**90L4**		
	52	240	27,08	1,76	**SG32**	**SMB**	**90L4**		
	56	223	24,98	1,87	**SG32**	**SMB**	**90L4**	36	82
	61	207	23,11	1,98	**SG32**	**SMR**	**90L4**		
	70	180	19,93	2,20	**SG32**	**SMR**	**90L4**		
	74	170	19,00	2,30	**SG32**	**SMR**	**90L4**		
	83	152	17,02	2,51	**SG32**	**SMR**	**90L4**		
	97	131	14,54	2,78	**SG32**	**SMR**	**90L4**		
	112	114	12,49	3,06	**SG32**	**SMR**	**90L4**		
	130	98	10,77	3,36	**SG32**	**SMR**	**90L4**		
	158	82	8,88	3,75	**SG32**	**SMR**	**90L4**		
	48	257	29,33	0,95	**SG22**	**SMB**	**90L4**		
	55	227	25,33	1,05	**SG22**	**SMB**	**90L4**		
	62	201	22,59	1,16	**SG22**	**SMB**	**90L4**		
	70	180	20,15	1,27	**SG22**	**SMR**	**90L4**		
	77	164	18,13	1,37	**SG22**	**SMR**	**90L4**	27	80
	84	150	16,82	1,49	**SG22**	**SMR**	**90L4**		
	97	131	14,48	1,62	**SG22**	**SMR**	**90L4**		
	117	109	12,04	1,85	**SG22**	**SMR**	**90L4**		
	132	97	10,67	2,02	**SG22**	**SMR**	**90L4**		

P[kW]

P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
2,20	14	1096	98,29	1,03	**SG62**	**SMR**	**100L4**		
	16	972	86,00	1,16	**SG62**	**SMR**	**100L4**		
	20	788	71,12	1,39	**SG62**	**SMR**	**100L4**	63	94
	24	665	59,31	1,55	**SG62**	**SMR**	**100L4**		
	28	570	49,72	1,70	**SG62**	**SMR**	**100L4**		
	32	506	44,23	1,84	**SG62**	**SMR**	**100L4**		
	18	1015	79,22	1,19	**SG62**	**SMB**	**100L4**		
	19	962	73,92	1,25	**SG62**	**SMB**	**100L4**		
	21	880	67,17	1,36	**SG62**	**SMB**	**100L4**		
	23	804	61,14	1,47	**SG62**	**SMB**	**100L4**		
	25	740	55,64	1,58	**SG62**	**SMB**	**100L4**		
	29	645	49,08	1,78	**SG62**	**SMB**	**100L4**		
	32	584	44,56	1,94	**SG62**	**SMB**	**100L4**		
	35	534	40,73	2,09	**SG62**	**SMB**	**100L4**	63	94
	37	511	38,46	2,17	**SG62**	**SMB**	**100L4**		
	42	450	33,58	2,41	**SG62**	**SMR**	**100L4**		
	47	402	29,85	2,63	**SG62**	**SMR**	**100L4**		
	52	368	27,19	2,82	**SG62**	**SMR**	**100L4**		
	60	319	23,62	3,15	**SG62**	**SMR**	**100L4**		
	68	281	20,67	3,46	**SG62**	**SMR**	**100L4**		
	83	233	17,09	3,95	**SG62**	**SMR**	**100L4**		
	99	195	14,25	4,44	**SG62**	**SMR**	**100L4**		
	17	902	84,57	1,01	**SG52**	**SMR**	**100L4**		
	19	807	74,00	1,10	**SG52**	**SMR**	**100L4**		
	23	676	61,19	1,25	**SG52**	**SMR**	**100L4**	56	90
	28	563	51,03	1,42	**SG52**	**SMR**	**100L4**		
	33	484	42,78	1,55	**SG52**	**SMR**	**100L4**		
	37	432	38,06	1,66	**SG52**	**SMR**	**100L4**		
	20	903	69,00	1,02	**SG52**	**SMB**	**100L4**		
	22	831	64,38	1,10	**SG52**	**SMB**	**100L4**		
	24	762	58,50	1,19	**SG52**	**SMB**	**100L4**		
	26	711	53,25	1,26	**SG52**	**SMB**	**100L4**		
	29	638	48,46	1,39	**SG52**	**SMB**	**100L4**		
	33	567	42,75	1,54	**SG52**	**SMB**	**100L4**		
	36	519	38,81	1,66	**SG52**	**SMB**	**100L4**		
	40	467	35,47	1,82	**SG52**	**SMB**	**100L4**		
	42	445	33,50	1,89	**SG52**	**SMB**	**100L4**	56	90
	48	394	29,25	2,09	**SG52**	**SMR**	**100L4**		
	54	350	26,00	2,30	**SG52**	**SMR**	**100L4**		
	60	315	23,68	2,50	**SG52**	**SMR**	**100L4**		
	69	277	20,57	2,75	**SG52**	**SMR**	**100L4**		
	78	245	18,00	3,01	**SG52**	**SMR**	**100L4**		
	95	201	14,88	3,47	**SG52**	**SMR**	**100L4**		
	114	170	12,41	3,88	**SG52**	**SMR**	**100L4**		
	135	143	10,41	4,31	**SG52**	**SMR**	**100L4**		

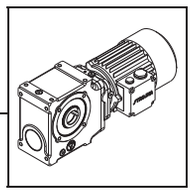
P[kW]



P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
2,20	24	735	59,42	0,99	**SG42**	**SMB**	**100L4**		
	26	687	54,05	1,05	**SG42**	**SMB**	**100L4**		
	29	616	49,45	1,15	**SG42**	**SMB**	**100L4**		
	30	595	46,50	1,18	**SG42**	**SMB**	**100L4**		
	33	548	42,13	1,27	**SG42**	**SMB**	**100L4**		
	38	475	37,03	1,43	**SG42**	**SMB**	**100L4**		
	44	415	32,29	1,60	**SG42**	**SMB**	**100L4**		
	47	389	29,78	1,68	**SG42**	**SMB**	**100L4**	45	86
	51	358	27,56	1,80	**SG42**	**SMB**	**100L4**		
	59	313	23,77	1,99	**SG42**	**SMR**	**100L4**		
	62	298	22,65	2,07	**SG42**	**SMR**	**100L4**		
	69	268	20,30	2,24	**SG42**	**SMR**	**100L4**		
	81	231	17,33	2,48	**SG42**	**SMR**	**100L4**		
	95	197	14,89	2,77	**SG42**	**SMR**	**100L4**		
	110	170	12,85	3,05	**SG42**	**SMR**	**100L4**		
	133	142	10,59	3,48	**SG42**	**SMR**	**100L4**		
	36	496	39,00	0,91	**SG32**	**SMB**	**100L4**		
	40	452	35,33	0,98	**SG32**	**SMB**	**100L4**		
	45	402	31,06	1,08	**SG32**	**SMB**	**100L4**		
	52	352	27,08	1,20	**SG32**	**SMB**	**100L4**		
	56	326	24,98	1,28	**SG32**	**SMB**	**100L4**		
	61	303	23,11	1,35	**SG32**	**SMB**	**100L4**		
	71	260	19,93	1,52	**SG32**	**SMR**	**100L4**	41	82
	74	250	19,00	1,57	**SG32**	**SMR**	**100L4**		
	83	223	17,02	1,71	**SG32**	**SMR**	**100L4**		
	97	193	14,54	1,89	**SG32**	**SMR**	**100L4**		
	113	165	12,49	2,10	**SG32**	**SMR**	**100L4**		
	131	143	10,77	2,31	**SG32**	**SMR**	**100L4**		
	159	119	8,88	2,57	**SG32**	**SMR**	**100L4**		
3,00	20	1074	71,12	1,02	**SG62**	**SMR**	**100Ld4**		
	24	907	59,31	1,14	**SG62**	**SMR**	**100Ld4**	65	94
	28	778	49,72	1,25	**SG62**	**SMR**	**100Ld4**		
	32	689	44,23	1,35	**SG62**	**SMR**	**100Ld4**		
	19	1312	73,92	0,92	**SG62**	**SMB**	**100Ld4**		
	21	1201	67,17	0,99	**SG62**	**SMB**	**100Ld4**		
	23	1096	61,14	1,08	**SG62**	**SMB**	**100Ld4**		
	25	1008	55,64	1,16	**SG62**	**SMB**	**100Ld4**		
	29	879	49,08	1,31	**SG62**	**SMB**	**100Ld4**		
	32	797	44,56	1,42	**SG62**	**SMB**	**100Ld4**		
	35	729	40,73	1,54	**SG62**	**SMB**	**100Ld4**		
	37	697	38,46	1,59	**SG62**	**SMB**	**100Ld4**		
	42	614	33,58	1,76	**SG62**	**SMR**	**100Ld4**	65	94
	47	549	29,85	1,93	**SG62**	**SMR**	**100Ld4**		
	52	501	27,19	2,07	**SG62**	**SMR**	**100Ld4**		
	60	435	23,62	2,31	**SG62**	**SMR**	**100Ld4**		
	68	383	20,67	2,54	**SG62**	**SMR**	**100Ld4**		
	83	318	17,09	2,90	**SG62**	**SMR**	**100Ld4**		
	99	266	14,25	3,26	**SG62**	**SMR**	**100Ld4**		
	118	223	11,95	3,64	**SG62**	**SMR**	**100Ld4**		
	133	198	10,63	3,91	**SG62**	**SMR**	**100Ld4**		

P[kW]

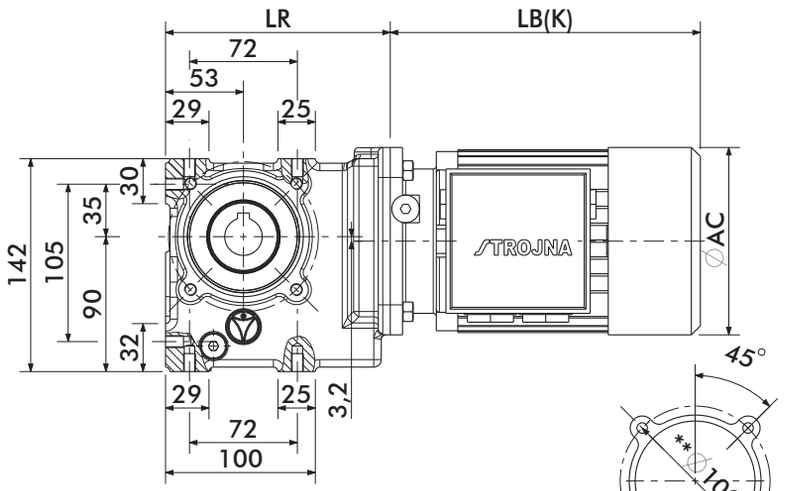
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
3,00	26	970	53,25	0,93	**SG52**	**SMB**	**100Ld4**		
	29	869	48,46	1,02	**SG52**	**SMB**	**100Ld4**		
	33	773	42,75	1,13	**SG52**	**SMB**	**100Ld4**		
	36	708	38,81	1,22	**SG52**	**SMB**	**100Ld4**		
	40	637	35,47	1,33	**SG52**	**SMB**	**100Ld4**		
	42	607	33,50	1,39	**SG52**	**SMB**	**100Ld4**		
	48	537	29,25	1,53	**SG52**	**SMR**	**100Ld4**		
	54	478	26,00	1,68	**SG52**	**SMR**	**100Ld4**	58	90
	60	430	23,68	1,83	**SG52**	**SMR**	**100Ld4**		
	69	378	20,57	2,02	**SG52**	**SMR**	**100Ld4**		
	78	334	18,00	2,21	**SG52**	**SMR**	**100Ld4**		
	95	274	14,88	2,54	**SG52**	**SMR**	**100Ld4**		
	114	231	12,41	2,85	**SG52**	**SMR**	**100Ld4**		
	135	195	10,41	3,16	**SG52**	**SMR**	**100Ld4**		
	152	173	9,26	3,40	**SG52**	**SMR**	**100Ld4**		
	33	747	42,13	0,93	**SG42**	**SMB**	**100Ld4**		
	38	648	37,03	1,05	**SG42**	**SMB**	**100Ld4**		
	44	566	32,29	1,17	**SG42**	**SMB**	**100Ld4**		
	47	530	29,78	1,24	**SG42**	**SMB**	**100Ld4**		
	51	489	27,56	1,32	**SG42**	**SMB**	**100Ld4**		
	59	427	23,77	1,46	**SG42**	**SMR**	**100Ld4**	47	86
	62	407	22,65	1,51	**SG42**	**SMR**	**100Ld4**		
	69	365	20,30	1,64	**SG42**	**SMR**	**100Ld4**		
	81	315	17,33	1,82	**SG42**	**SMR**	**100Ld4**		
	95	268	14,89	2,03	**SG42**	**SMR**	**100Ld4**		
	110	232	12,85	2,24	**SG42**	**SMR**	**100Ld4**		
	133	194	10,59	2,55	**SG42**	**SMR**	**100Ld4**		
	56	445	24,98	0,94	**SG32**	**SMB**	**100Ld4**		
	61	413	23,11	0,99	**SG32**	**SMB**	**100Ld4**		
	71	355	19,93	1,12	**SG32**	**SMR**	**100Ld4**		
	74	341	19,00	1,15	**SG32**	**SMR**	**100Ld4**		
	83	304	17,02	1,25	**SG32**	**SMR**	**100Ld4**	43	82
	97	263	14,54	1,39	**SG32**	**SMR**	**100Ld4**		
	113	226	12,49	1,54	**SG32**	**SMR**	**100Ld4**		
	131	195	10,77	1,70	**SG32**	**SMR**	**100Ld4**		
	159	162	8,88	1,89	**SG32**	**SMR**	**100Ld4**		
4,00	29	1001	49,72	0,97	**SG62**	**SMR**	**112M4**	70	94
	32	919	44,23	1,01	**SG62**	**SMR**	**112M4**		
	26	1293	55,64	0,90	**SG62**	**SMB**	**112M4**		
	29	1172	49,08	0,98	**SG62**	**SMB**	**112M4**		
	32	1062	44,56	1,07	**SG62**	**SMB**	**112M4**		
	35	971	40,73	1,15	**SG62**	**SMB**	**112M4**		
	37	929	38,46	1,19	**SG62**	**SMB**	**112M4**		
	42	819	33,58	1,32	**SG62**	**SMR**	**112M4**		
	48	716	29,85	1,48	**SG62**	**SMR**	**112M4**	70	94
	52	669	27,19	1,55	**SG62**	**SMR**	**112M4**		
	60	579	23,62	1,73	**SG62**	**SMR**	**112M4**		
	69	504	20,67	1,93	**SG62**	**SMR**	**112M4**		
	83	423	17,09	2,17	**SG62**	**SMR**	**112M4**		
	100	351	14,25	2,47	**SG62**	**SMR**	**112M4**		
	119	295	11,95	2,75	**SG62**	**SMR**	**112M4**		
	134	262	10,63	2,95	**SG62**	**SMR**	**112M4**		

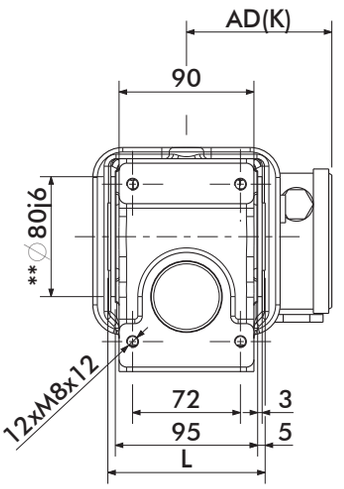


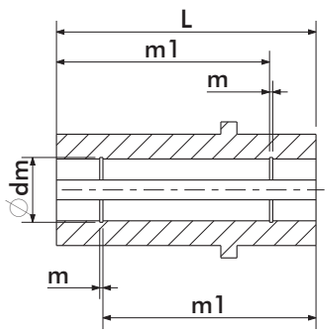
P [kW]	n_2 [min^{-1}]	Mt_2 [Nm]	i	f_B				m [kg]	
4,00	37	919	38,81	0,94	**SG52**	**SMB**	**112M4**		
	40	850	35,47	1,00	**SG52**	**SMB**	**112M4**		
	42	809	33,50	1,04	**SG52**	**SMB**	**112M4**		
	49	702	29,25	1,17	**SG52**	**SMR**	**112M4**		
	55	625	26,00	1,29	**SG52**	**SMR**	**112M4**		
	60	573	23,68	1,38	**SG52**	**SMR**	**112M4**	63	90
	69	504	20,57	1,51	**SG52**	**SMR**	**112M4**		
	79	440	18,00	1,68	**SG52**	**SMR**	**112M4**		
	95	366	14,88	1,91	**SG52**	**SMR**	**112M4**		
	114	308	12,41	2,13	**SG52**	**SMR**	**112M4**		
	136	258	10,41	2,39	**SG52**	**SMR**	**112M4**		
	153	230	9,26	2,56	**SG52**	**SMR**	**112M4**		
	48	692	29,78	0,95	**SG42**	**SMB**	**112M4**		
	52	639	27,56	1,01	**SG42**	**SMB**	**112M4**		
	60	560	23,77	1,11	**SG42**	**SMR**	**112M4**		
	63	534	22,65	1,15	**SG42**	**SMR**	**112M4**		
	70	480	20,30	1,25	**SG42**	**SMR**	**112M4**	52	86
	82	415	17,33	1,38	**SG42**	**SMR**	**112M4**		
	95	358	14,89	1,53	**SG42**	**SMR**	**112M4**		
	111	306	12,85	1,69	**SG42**	**SMR**	**112M4**		
	134	257	10,59	1,93	**SG42**	**SMR**	**112M4**		
5,50	43	1099	33,58	0,99	**SG62**	**SMB**	**132S4**		
	49	965	29,85	1,10	**SG62**	**SMB**	**132S4**		
	53	902	27,19	1,15	**SG62**	**SMB**	**132S4**		
	61	784	23,62	1,28	**SG62**	**SMR**	**132S4**		
	70	683	20,67	1,42	**SG62**	**SMR**	**132S4**	95	94
	85	569	17,09	1,62	**SG62**	**SMR**	**132S4**		
	102	474	14,25	1,83	**SG62**	**SMR**	**132S4**		
	121	399	11,95	2,04	**SG62**	**SMR**	**132S4**		
	136	355	10,63	2,18	**SG62**	**SMR**	**132S4**		
	56	844	26,00	0,95	**SG52**	**SMB**	**132S4**		
	61	775	23,68	1,02	**SG52**	**SMB**	**132S4**		
	70	683	20,57	1,12	**SG52**	**SMR**	**132S4**		
	81	590	18,00	1,25	**SG52**	**SMR**	**132S4**	88	90
	97	493	14,88	1,42	**SG52**	**SMR**	**132S4**		
	117	413	12,41	1,59	**SG52**	**SMR**	**132S4**		
	139	348	10,41	1,77	**SG52**	**SMR**	**132S4**		
	157	308	9,26	1,91	**SG52**	**SMR**	**132S4**		
7,50	61	1069	23,62	0,94	**SG62**	**SMR**	**132M4**		
	70	931	20,67	1,04	**SG62**	**SMR**	**132M4**		
	85	775	17,09	1,19	**SG62**	**SMR**	**132M4**	106	94
	102	646	14,25	1,34	**SG62**	**SMR**	**132M4**		
	121	545	11,95	1,49	**SG62**	**SMR**	**132M4**		
	136	485	10,63	1,60	**SG62**	**SMR**	**132M4**		
	81	805	18,00	0,92	**SG52**	**SMR**	**132M4**		
	97	672	14,88	1,04	**SG52**	**SMR**	**132M4**		
	117	563	12,41	1,17	**SG52**	**SMR**	**132M4**	99	90
	139	474	10,41	1,30	**SG52**	**SMR**	**132M4**		
	157	420	9,26	1,40	**SG52**	**SMR**	**132M4**		
9,20	84	962	17,09	0,96	**SG62**	**SMR**	**132Ma4**		
	101	800	14,25	1,08	**SG62**	**SMR**	**132Ma4**	114	94
	121	668	11,95	1,22	**SG62**	**SMR**	**132Ma4**		
	135	599	10,63	1,29	**SG62**	**SMR**	**132Ma4**		

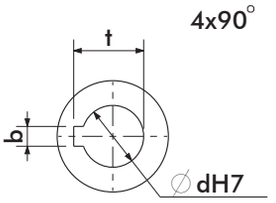
P[kW]

SG12...SMB/SMR

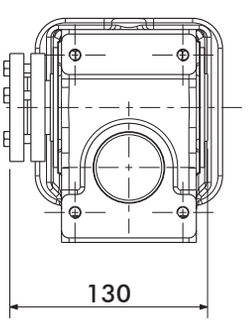








SG12D...



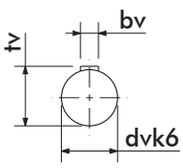
d	L	m1	dm	m	t	b
20	105	97	21	1,3	22,8	6
*25	105	91	26,2	1,3	28,3	8

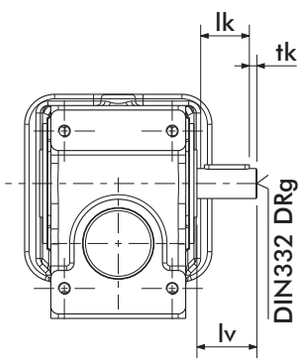
dv	tv	bv	lv	lk	tk	g	lz
20	22,5	6	40	30	5	M6	185
*25	28	8	50	40	5	M10	205

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	151
71	223	105	280	137	140	151
80	251	110	311	147	154	151
90S	276	121	360	164	170	151
90L	301	121	385	164	170	151
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

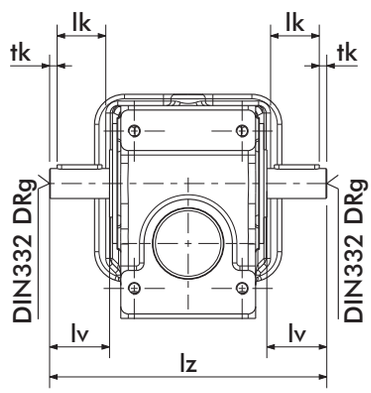
* Standard ** C Flange DIN42948

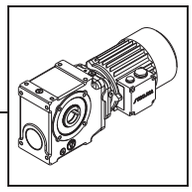
SG12V...



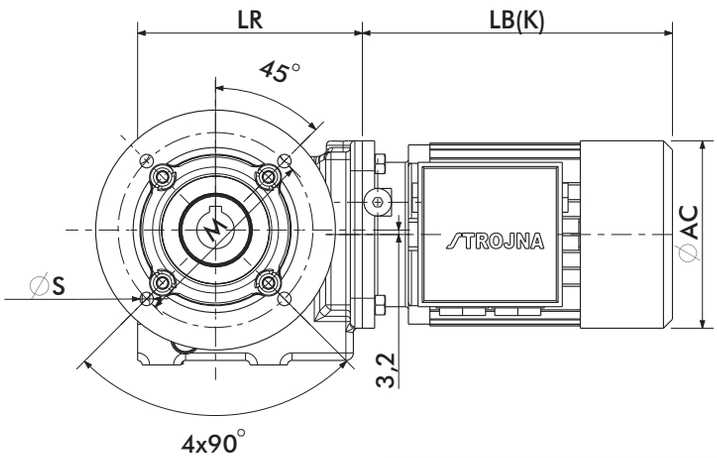


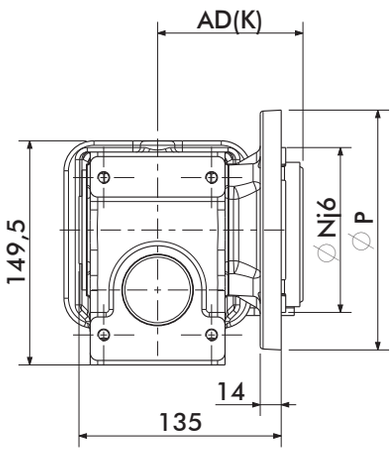
SG12Z...





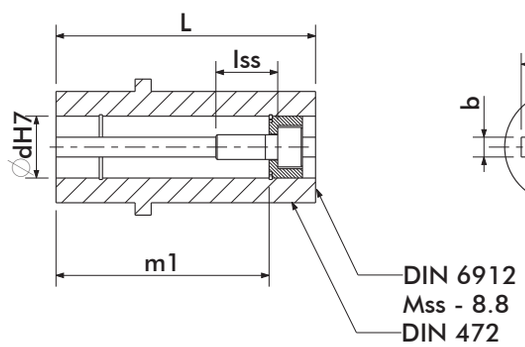
SG12P...SMB/SMR

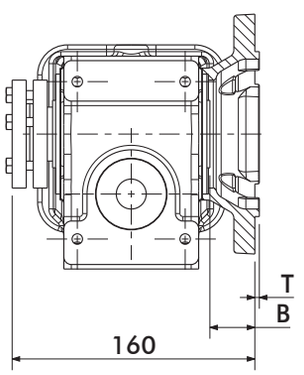




DIN42948	P	N	M	T	B	S
*A160	160	110	130	3	30	9
A200	200	130	165	3	30	11

SG12PD...





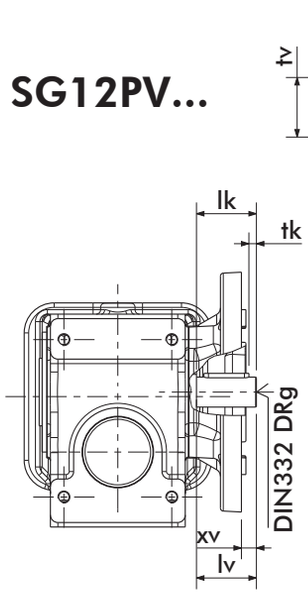
d	L	m1	lss	Mss	t	b
20	105	97	20	M6	22,8	6
*25	105	91	25	M10	28,3	8

dv	tv	bv	lv	lk	tk	xv	g	lz
20	22,5	6	40	30	5	7	M6	185
*25	28	8	50	40	5	17	M10	205

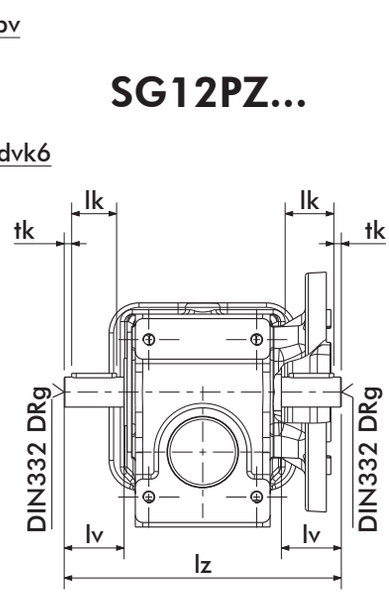
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	151
71	223	105	280	137	140	151
80	251	110	311	147	154	151
90S	276	121	360	164	170	151
90L	301	121	385	164	170	151
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

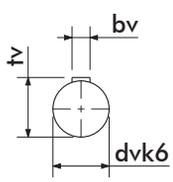
* Standard

SG12PV...

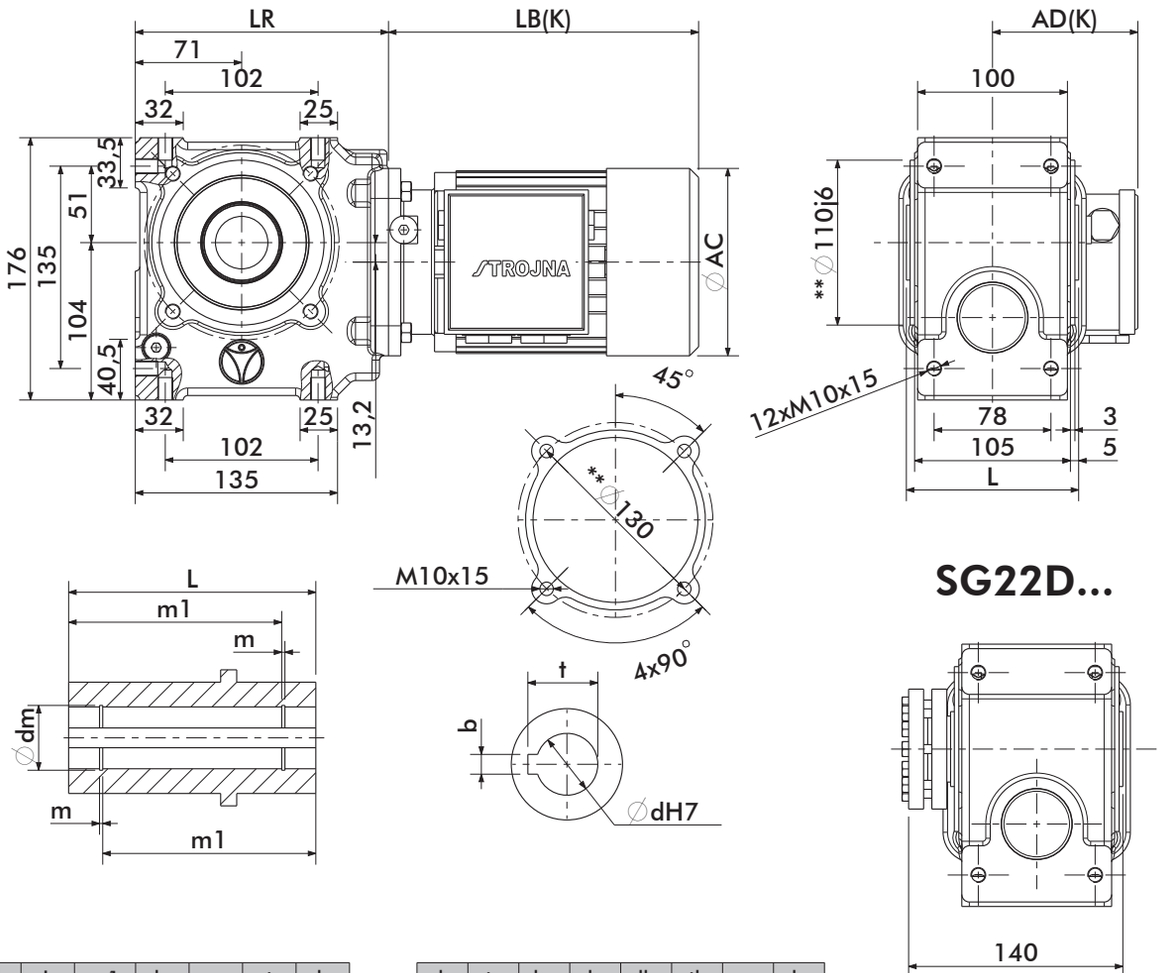


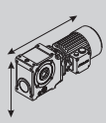
SG12PZ...





SG22...SMB/SMR





SG22D...

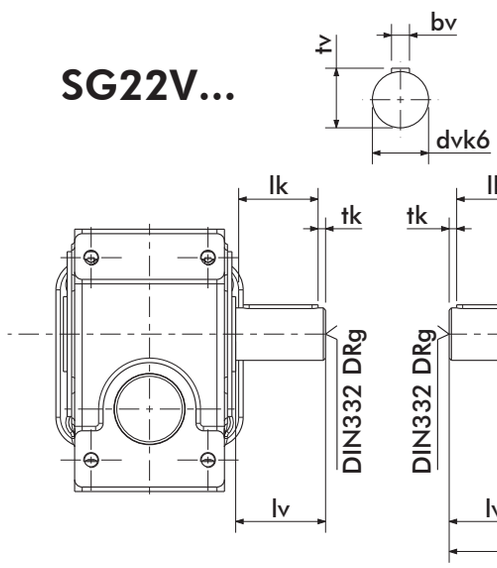
d	L	m1	dm	m	t	b
25	115	107	26,2	1,3	28,3	8
*30	115	101	31,4	1,3	33,3	8

dv	tv	bv	lv	lk	tk	g	lz
25	28	8	50	40	5	M10	215
*30	33	8	60	50	5	M10	235

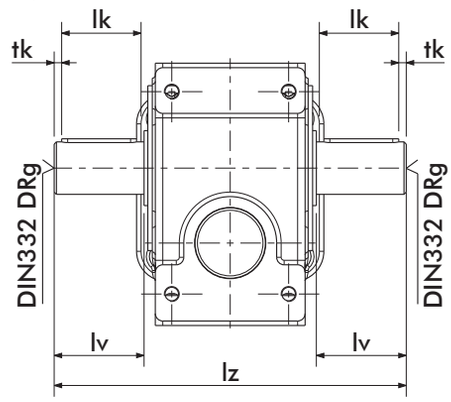
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	169
71	223	105	280	137	140	169
80	251	110	311	147	154	169
90S	276	121	360	164	170	169
90L	301	121	385	164	170	169
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

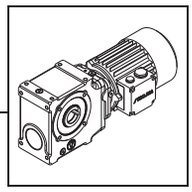
* Standard ** C Flange DIN42948

SG22V...

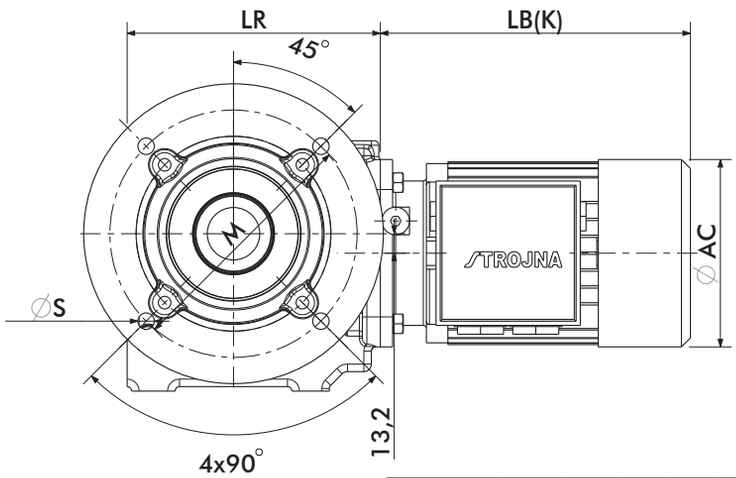


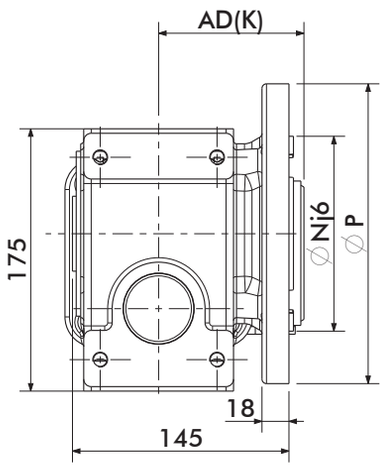
SG22Z...





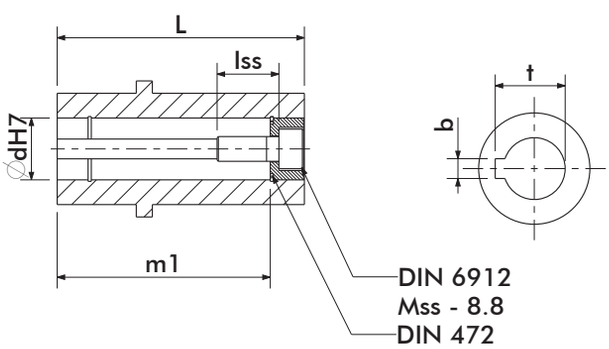
SG22P...SMB/SMR

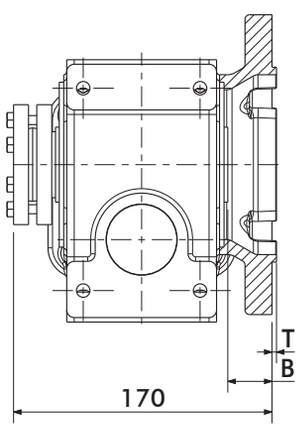




DIN42948	P	N	M	T	B	S
*A200	200	130	165	3	30	11
A250	250	180	215	4	30	14

SG22PD...





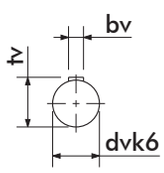
d	L	m1	lss	Mss	t	b
25	115	107	25	M10	28,3	8
*30	115	101	25	M10	33,3	8

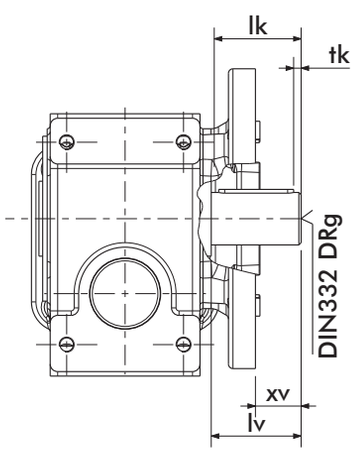
dv	tv	bv	lv	lk	tk	xv	g	lz
25	28	8	50	40	5	17	M10	215
*30	33	8	60	50	5	27	M10	235

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	169
71	223	105	280	137	140	169
80	251	110	311	147	154	169
90S	276	121	360	164	170	169
90L	301	121	385	164	170	169
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

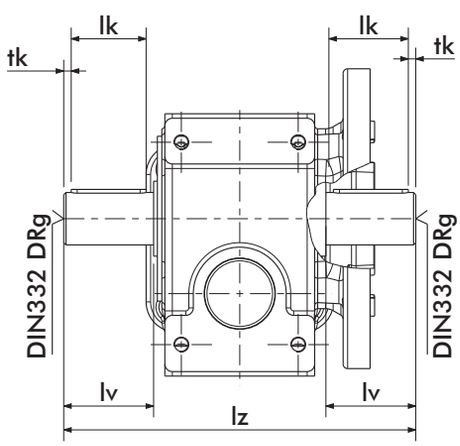
* Standard

SG22PV...

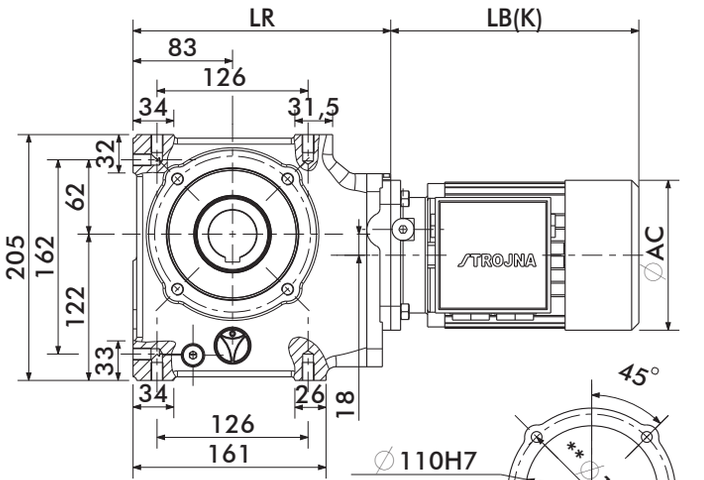


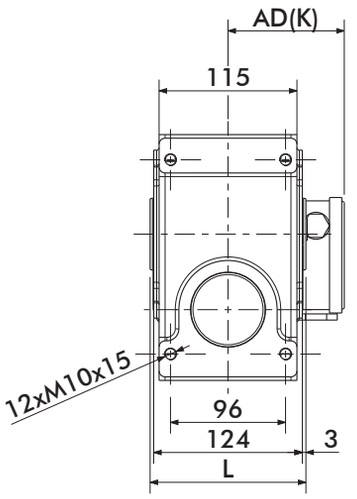


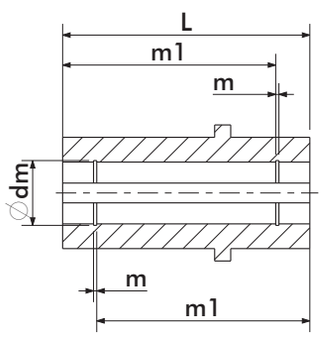
SG22PZ...

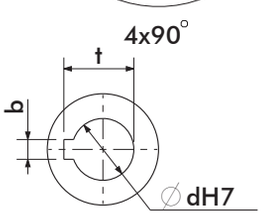


SG32...SMB/SMR

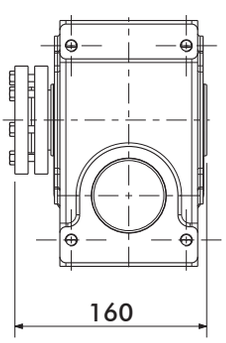








SG32D...



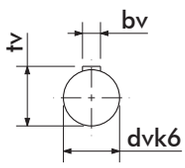
d	L	m1	dm	m	t	b
30	130	122	31,4	1,3	33,3	8
*35	130	115	37	1,6	38,3	10

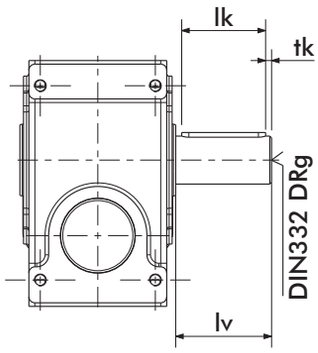
dv	tv	bv	lv	lk	tk	g	lz
30	33	8	60	50	5	M10	250
*35	38	10	70	60	5	M12	270

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	216
71	223	105	280	137	140	216
80	251	110	311	147	154	216
90S	276	121	360	164	170	216
90L	301	121	385	164	170	216
100	329	157	418	174	193	220
112M	334	169	413	199	216	220
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

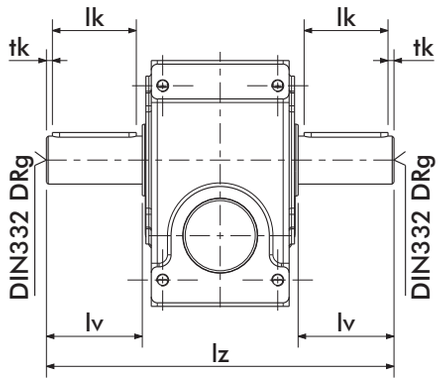
* Standard ** C Flange DIN42948

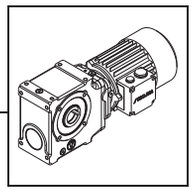
SG32V...



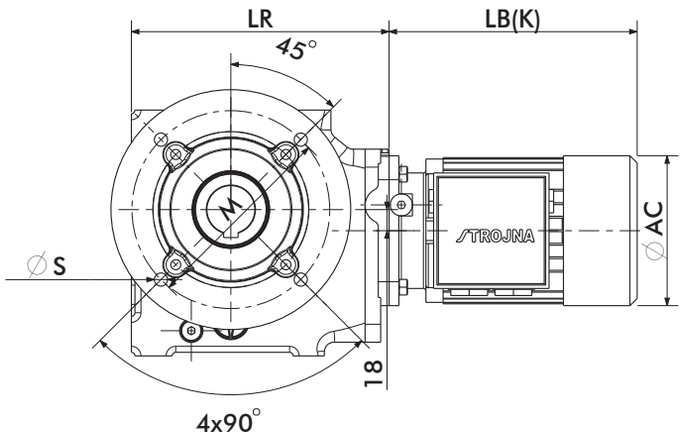


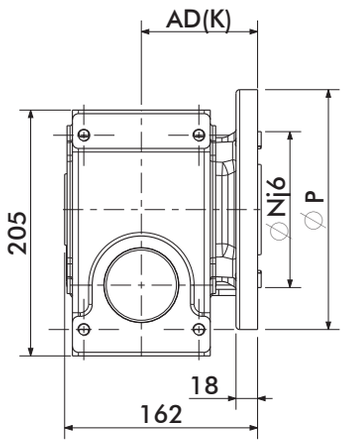
SG32Z...





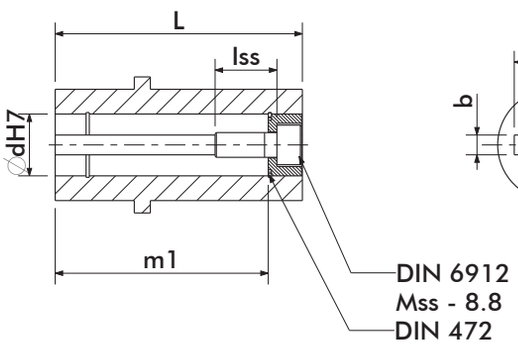
SG32P...SMB/SMR

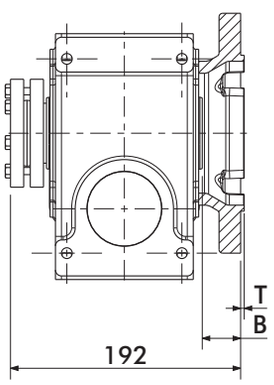




DIN42948	P	N	M	T	B	S
*A200	200	130	165	3	32	11
A250	250	180	215	4	32	14

SG32PD...





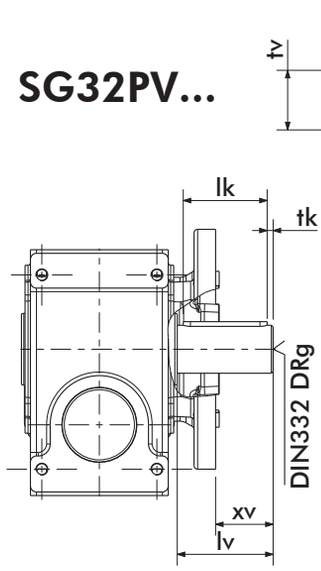
d	L	m1	lss	Mss	t	b
30	130	122	25	M10	33,3	8
*35	130	115	30	M12	38,3	10

dv	tv	bv	lv	lk	tk	xv	g	lz
30	33	8	60	50	5	27	M10	250
*35	38	10	70	40	5	37	M12	270

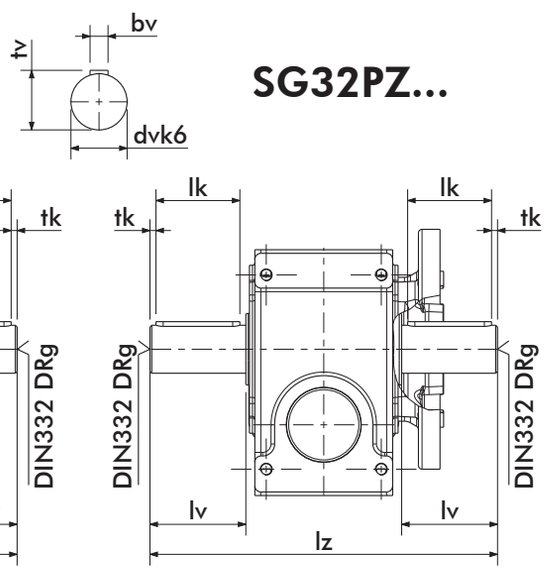
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	216
71	223	105	280	137	140	216
80	251	110	311	147	154	216
90S	276	121	360	164	170	216
90L	301	121	385	164	170	216
100	329	157	418	174	193	220
112M	334	169	413	199	216	220
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

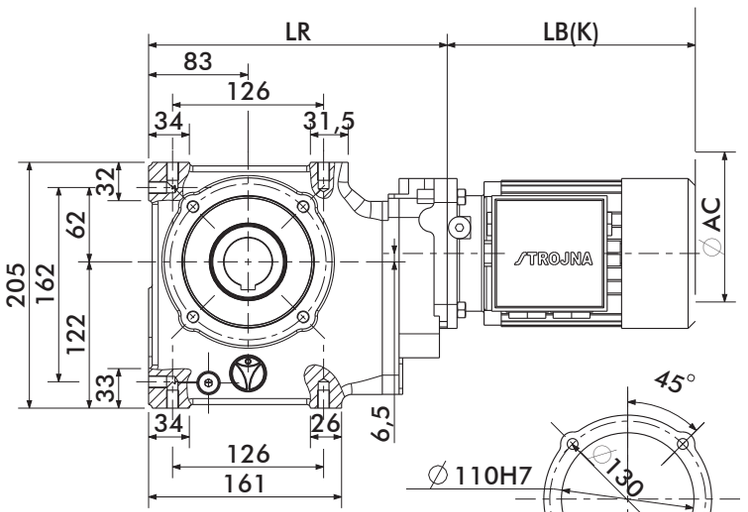
SG32PV...

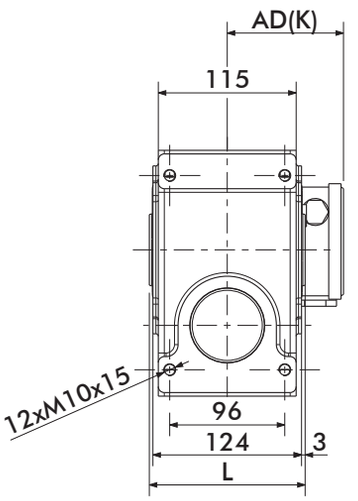


SG32PZ...

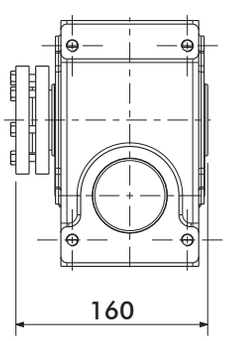


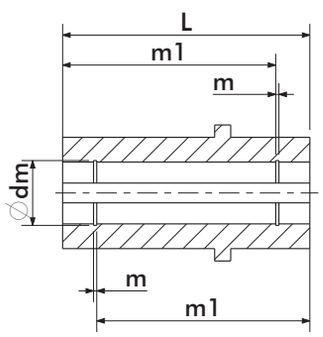
SG33...SMB/SMR

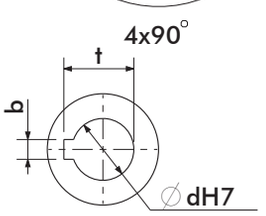




SG33D...





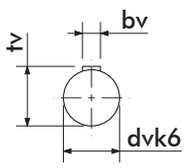


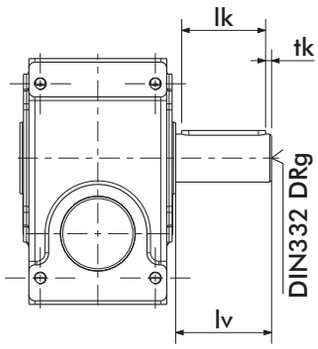
d	L	m1	dm	m	t	b
30	130	122	31,4	1,3	33,3	8
*35	130	115	37	1,6	38,3	10

dv	tv	bv	lv	lk	tk	g	lz
30	33	8	60	50	5	M10	250
*35	38	10	70	60	5	M12	270

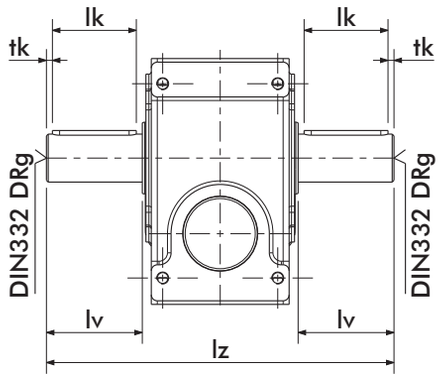
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	249
71	223	105	280	137	140	249
80	251	110	311	147	154	249
90S	276	121	360	164	170	249
90L	301	121	385	164	170	249
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

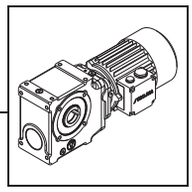
SG33V...



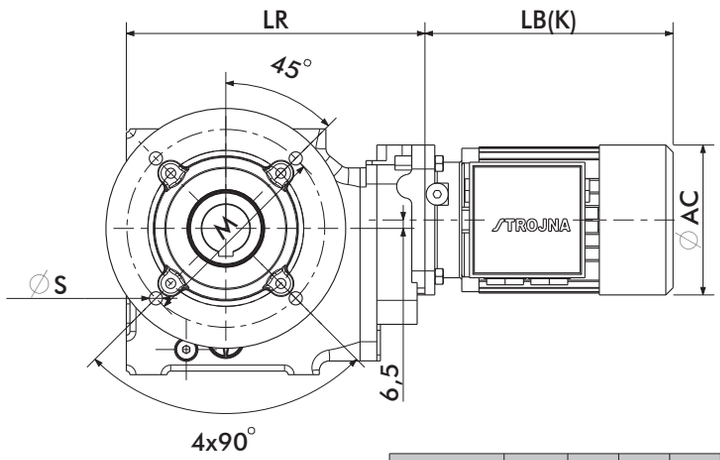


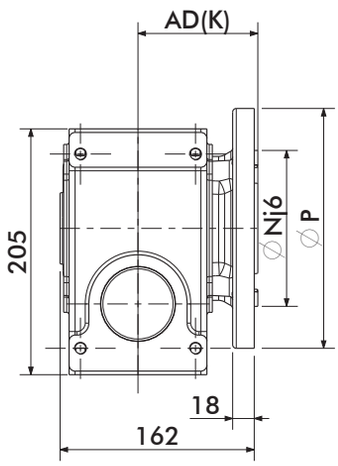
SG33Z...





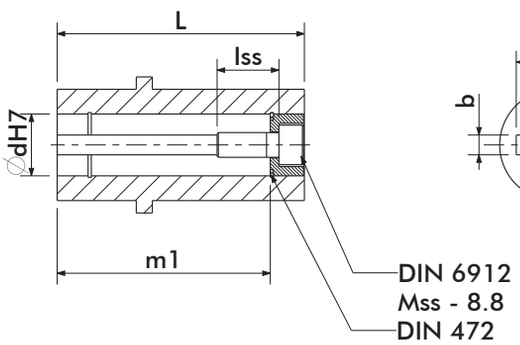
SG33P...SMB/SMR

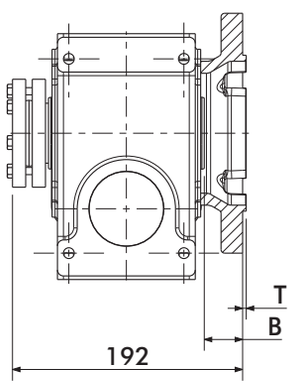




DIN42948	P	N	M	T	B	S
*A200	200	130	165	3	32	11
A250	250	180	215	4	32	14

SG33PD...



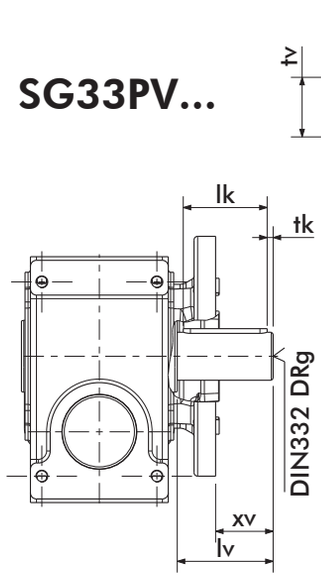


d	L	m1	lss	Mss	t	b
30	130	122	25	M10	33,3	8
*35	130	115	30	M12	38,3	10

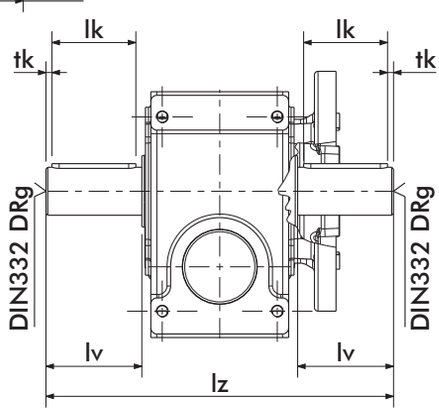
dv	tv	bv	lv	lk	tk	xv	g	lz
30	33	8	60	50	5	27	M10	250
*35	38	10	70	60	5	37	M12	270

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	249
71	223	105	280	137	140	249
80	251	110	311	147	154	249
90S	276	121	360	164	170	249
90L	301	121	385	164	170	249
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

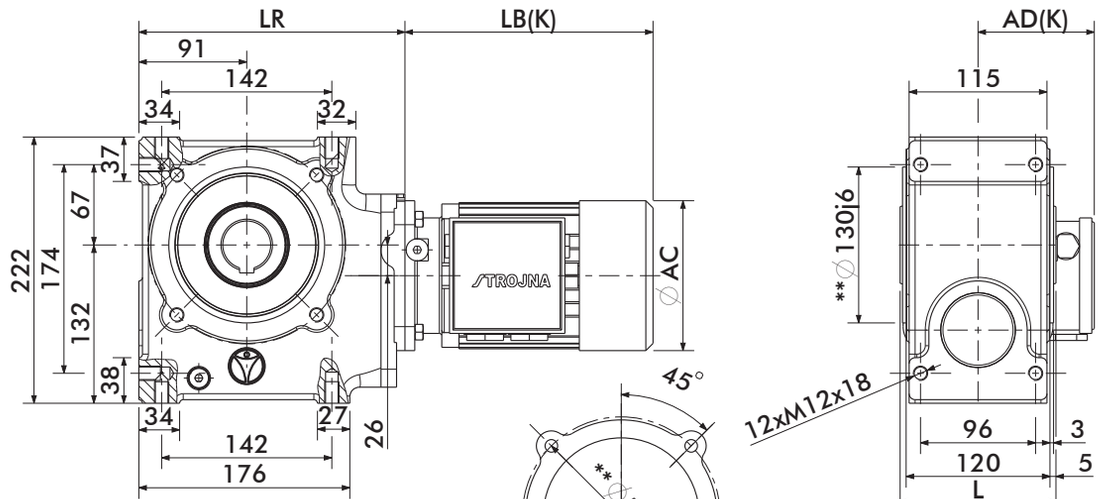
SG33PV...

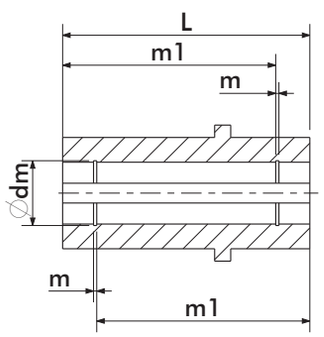


SG33PZ...

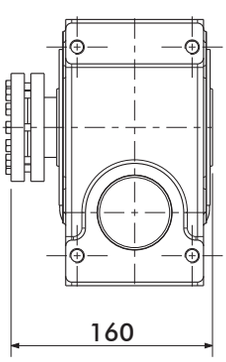


SG42...SMB/SMR





SG42D...



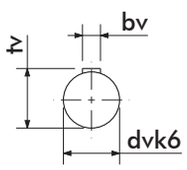
d	L	m1	dm	m	t	b
40	130	108	42,5	1,85	43,3	12
*45	130	108	47,5	1,85	48,8	14

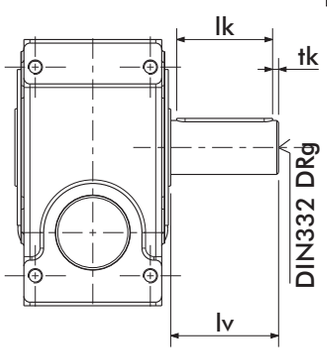
dv	tv	bv	lv	lk	tk	g	lz
40	43	12	80	70	5	M16	290
*45	48,5	14	90	80	5	M16	310

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	221
71	223	105	280	137	140	221
80	251	110	311	147	154	221
90S	276	121	360	164	170	221
90L	301	121	385	164	170	221
100	329	157	418	174	193	225
112M	334	169	413	199	216	225
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

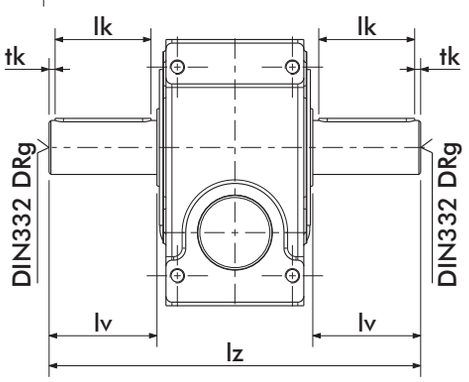
* Standard ** C Flange DIN42948

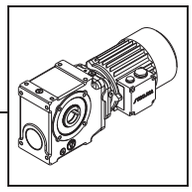
SG42V...



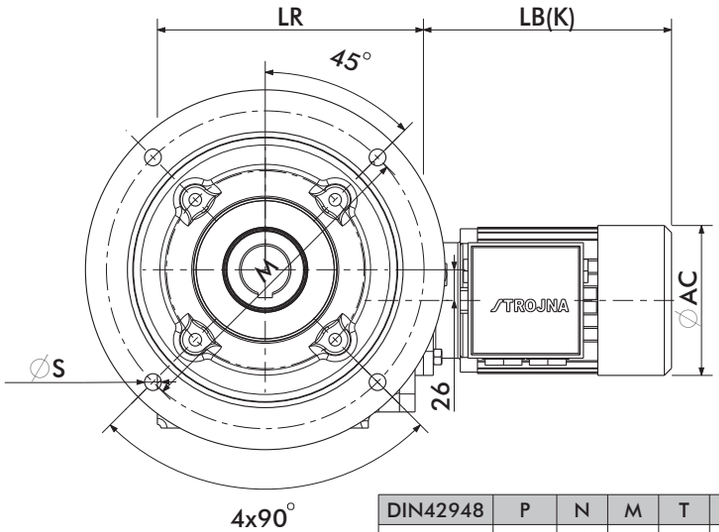


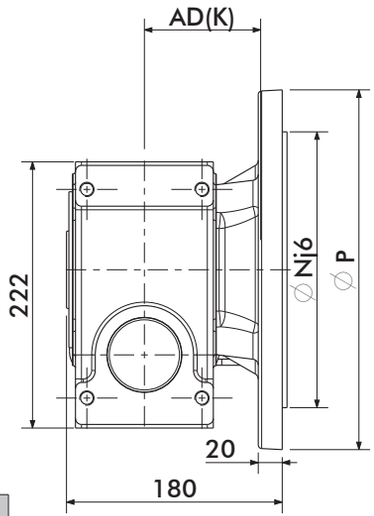
SG42Z...





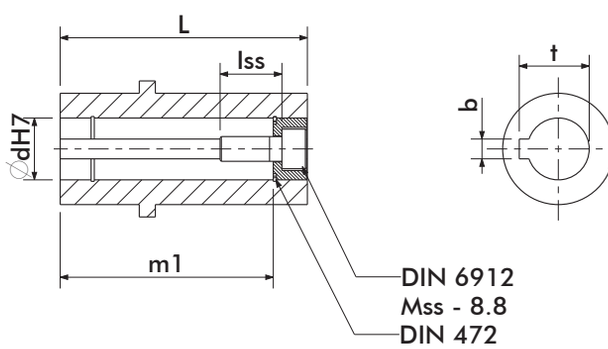
SG42P...SMB/SMR

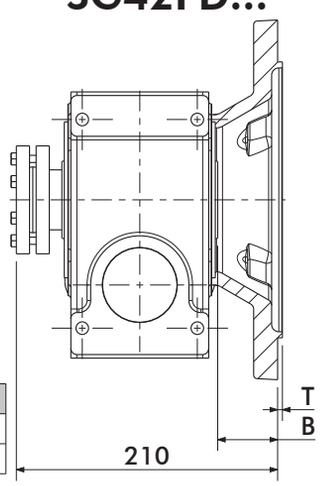




DIN42948	P	N	M	T	B	S
*A300	300	230	265	4	50	14

SG42PD...





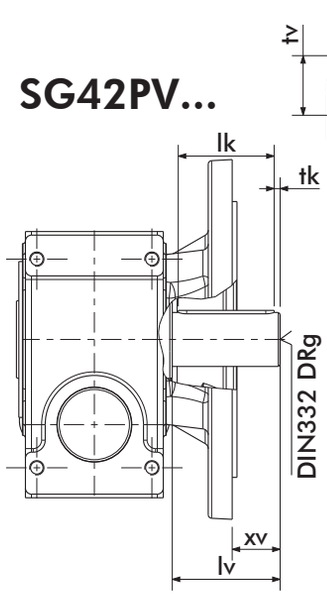
d	L	m1	lss	Mss	t	b
40	130	108	40	M16	43,3	12
*45	130	108	40	M16	48,8	14

dv	tv	bv	lv	lk	tk	xv	g	lz
40	43	12	80	70	5	27	M16	290
*45	48,5	14	90	80	5	37	M16	310

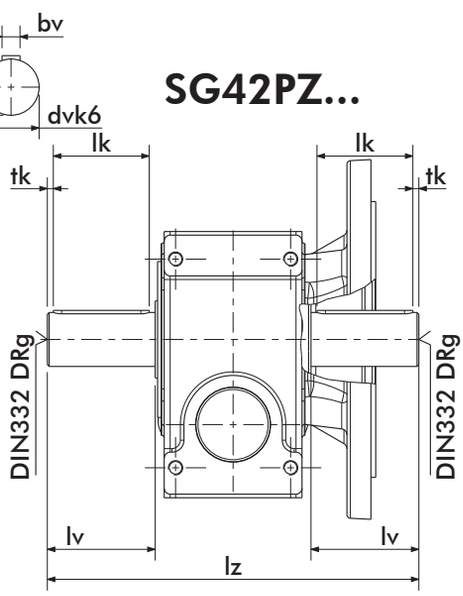
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	221
71	223	105	280	137	140	221
80	251	110	311	147	154	221
90S	276	121	360	164	170	221
90L	301	121	385	164	170	221
100	329	157	418	174	193	225
112M	334	169	413	199	216	225
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

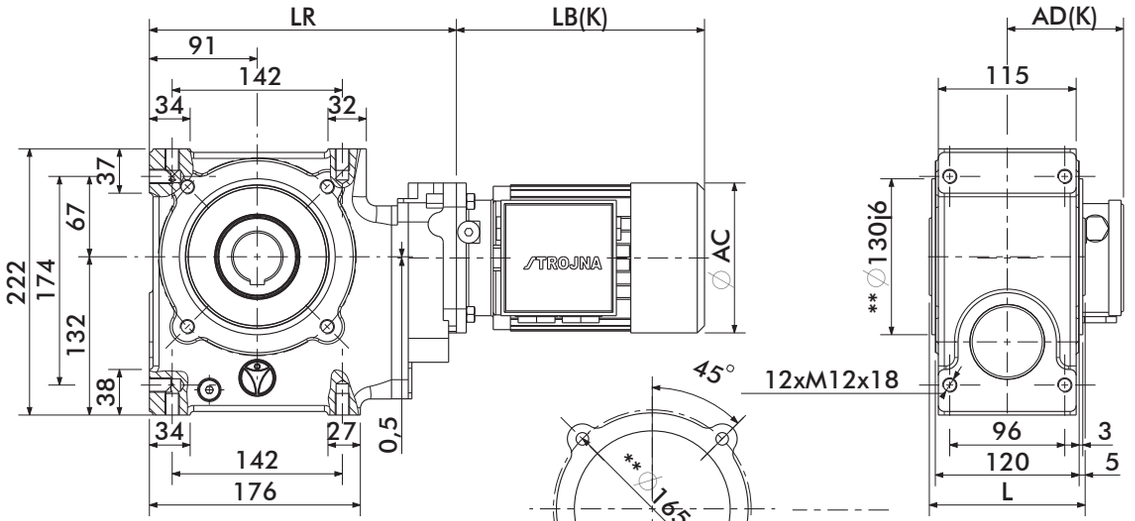
SG42PV...

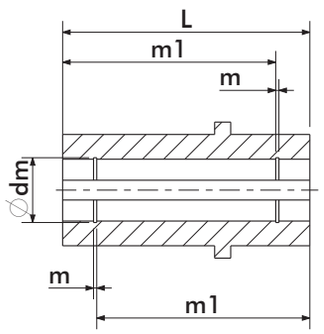


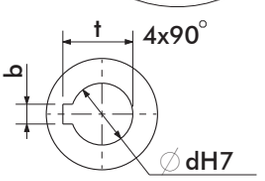
SG42PZ...



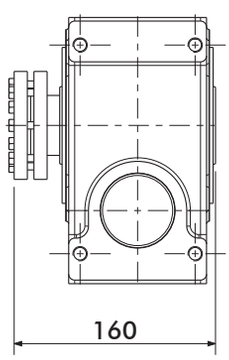
SG43...SMB/SMR







SG43D...



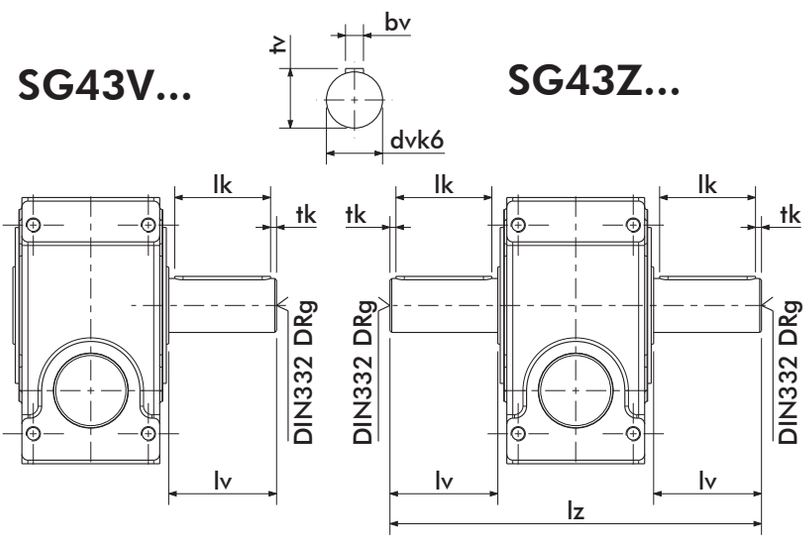
d	L	m1	dm	m	t	b
40	130	108	42,5	1,85	43,3	12
*45	130	108	47,5	1,85	48,8	14

dv	tv	bv	lv	lk	tk	g	lz
40	43	12	80	70	5	M16	290
*45	48,5	14	90	80	5	M16	310

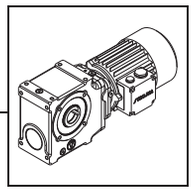
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	257
71	223	105	280	137	140	257
80	251	110	311	147	154	257
90S	276	121	360	164	170	257
90L	301	121	385	164	170	257
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard ** C Flange DIN42948

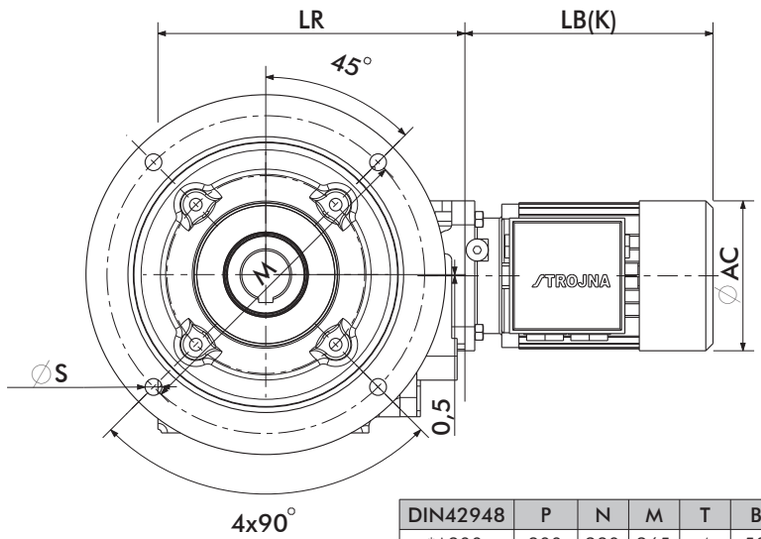
SG43V...

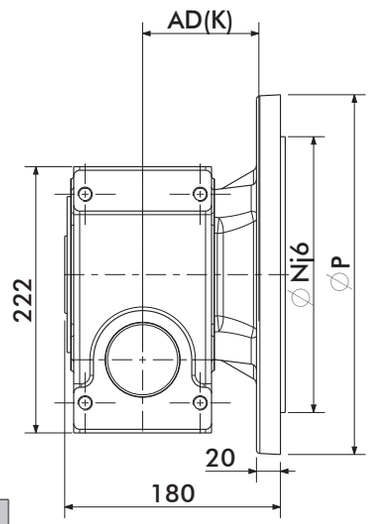


SG43Z...

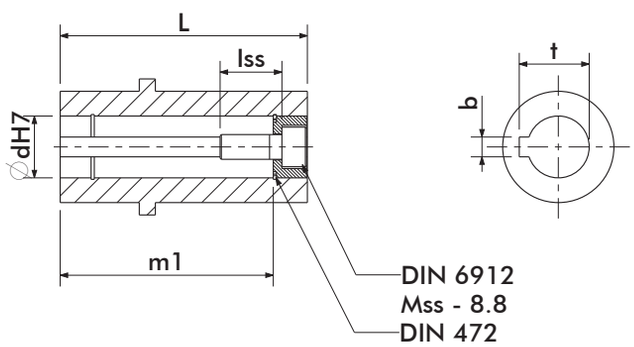


SG43P...SMB/SMR



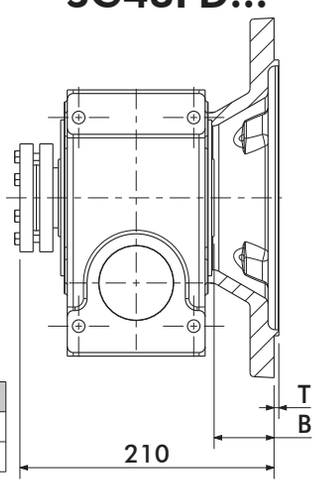


DIN42948	P	N	M	T	B	S
*A300	300	230	265	4	50	14



d	L	m1	lss	Mss	t	b
40	130	108	40	M16	43,3	12
*45	130	108	40	M16	48,8	14

SG43PD...

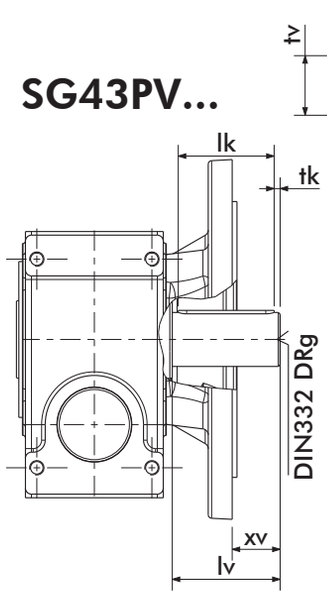


dv	tv	bv	lv	lk	tk	xv	g	lz
40	43	12	80	70	5	27	M16	290
*45	48,5	14	90	80	5	37	M16	310

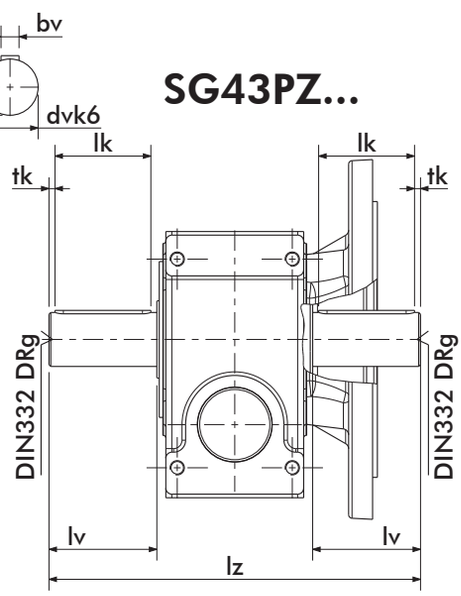
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	257
71	223	105	280	137	140	257
80	251	110	311	147	154	257
90S	276	121	360	164	170	257
90L	301	121	385	164	170	257
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

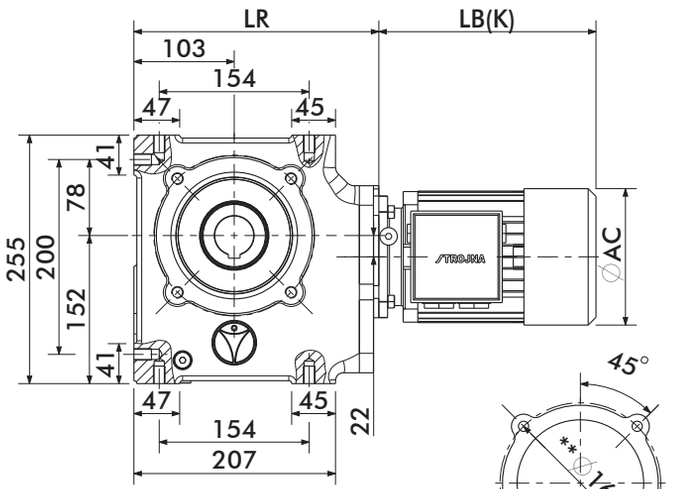
SG43PV...

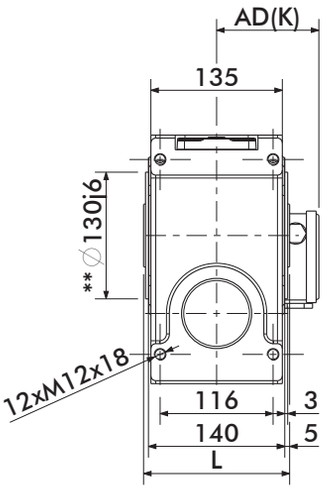


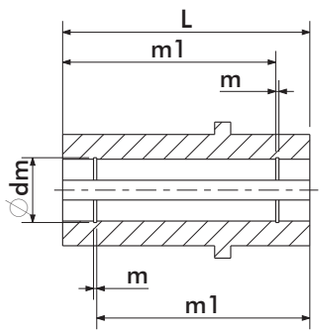
SG43PZ...

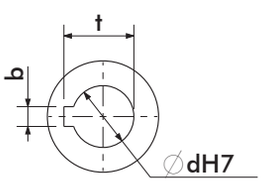


SG52...SMB/SMR

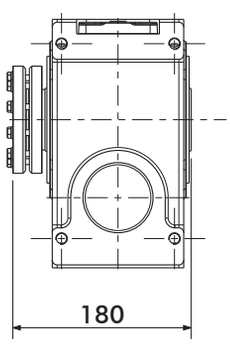








SG52D...



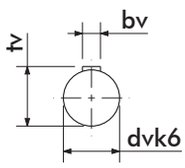
d	L	m1	dm	m	t	b
40	150	138	42,5	1,85	43,3	12
*45	150	133	47,5	1,85	48,8	14

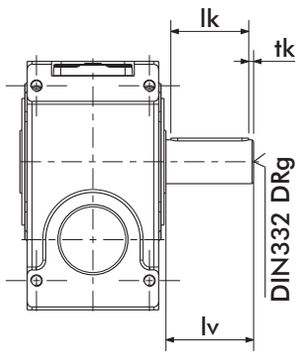
dv	tv	bv	lv	lk	tk	g	lz
40	43	12	80	70	5	M16	310
*45	48,5	14	90	80	5	M16	330

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	252
71	223	105	280	137	140	252
80	251	110	311	147	154	252
90S	276	121	360	164	170	252
90L	301	121	385	164	170	252
100	329	157	418	174	193	256
112M	334	169	413	199	216	256
132S	377	190	492	183	247	269
132M	415	190	532	183	247	269
132Ma	415	190	532	183	247	269
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

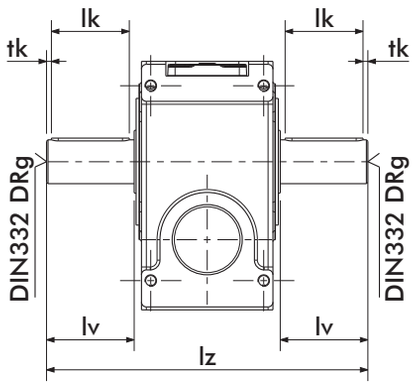
* Standard ** C Flange DIN42948

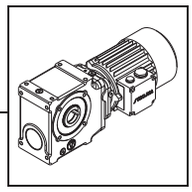
SG52V...



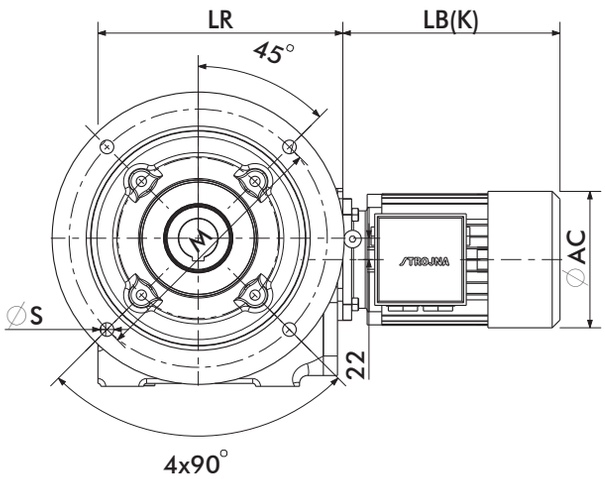


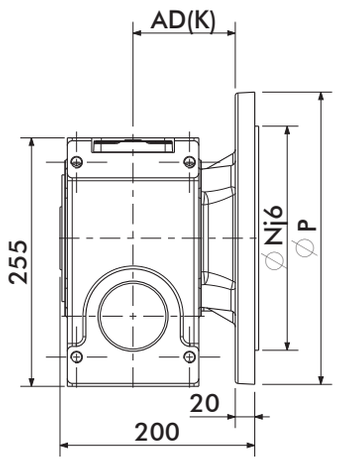
SG52Z...





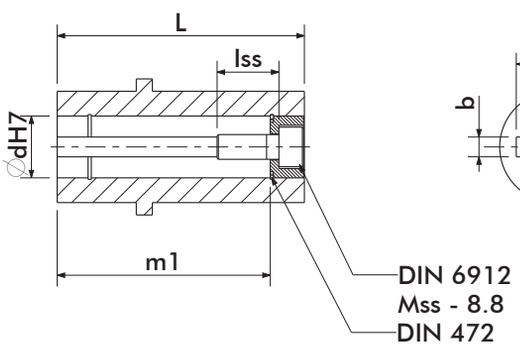
SG52P...SMB/SMR

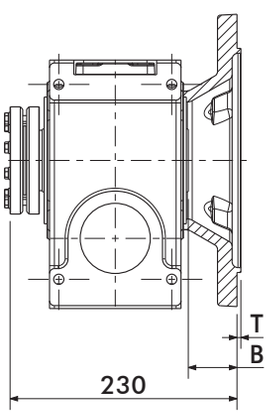




DIN42948	P	N	M	T	B	S
*A300	300	230	265	4	50	14

SG52PD...





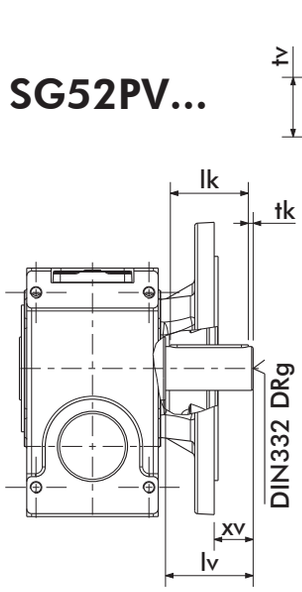
d	L	m1	lss	Mss	t	b
40	150	138	40	M16	43,3	12
*45	150	133	40	M16	48,8	14

dv	tv	bv	lv	lk	tk	xv	g	lz
40	43	12	80	70	5	27	M16	310
*45	48,5	14	90	80	5	37	M16	330

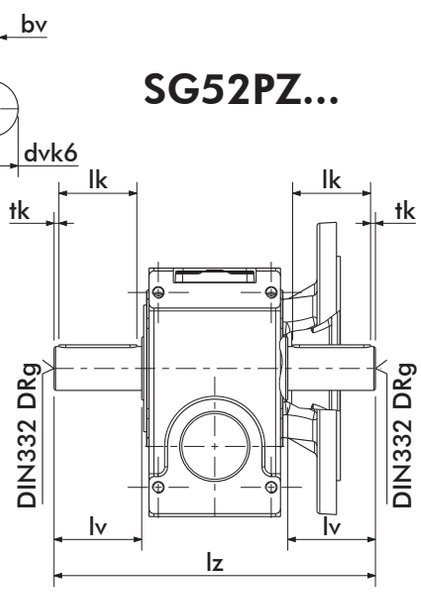
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	252
71	223	105	280	137	140	252
80	251	110	311	147	154	252
90S	276	121	360	164	170	252
90L	301	121	385	164	170	252
100	329	157	418	174	193	256
112M	334	169	413	199	216	256
132S	377	190	492	183	247	269
132M	415	190	532	183	247	269
132Ma	415	190	532	183	247	269
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

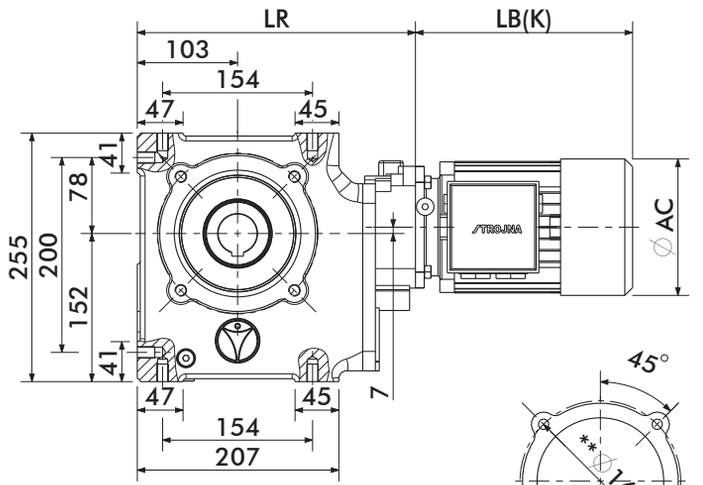
SG52PV...

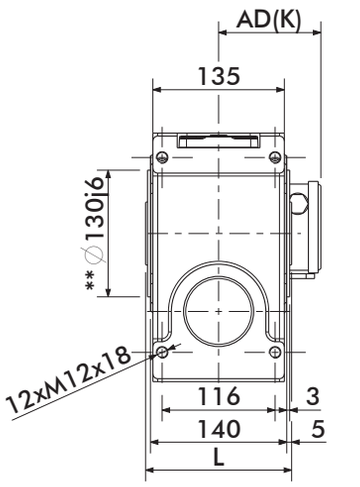


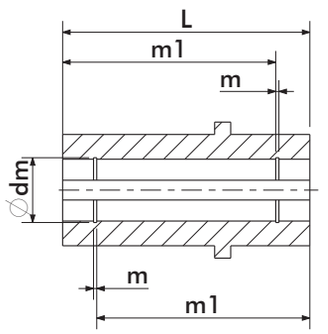
SG52PZ...

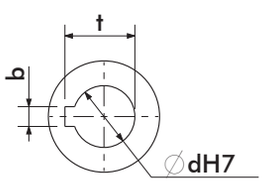


SG53...SMB/SMR

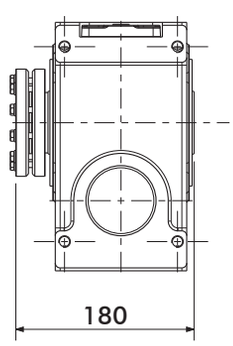








SG53D...



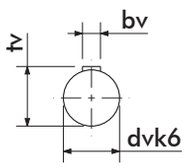
d	L	m1	dm	m	t	b
40	150	138	42,5	1,85	43,3	12
*45	150	133	47,5	1,85	48,8	14

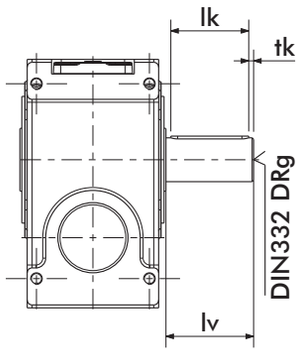
dv	tv	bv	lv	lk	tk	g	lz
40	43	12	80	70	5	M16	310
*45	48,5	14	90	80	5	M16	330

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	286
71	223	105	280	137	140	286
80	251	110	311	147	154	286
90S	276	121	360	164	170	286
90L	301	121	385	164	170	286
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

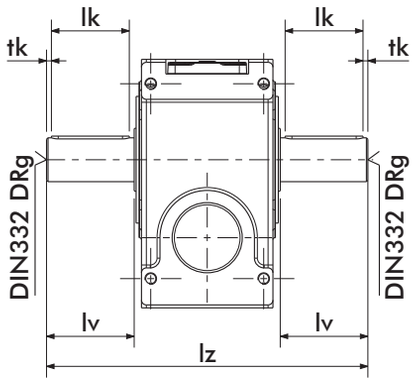
* Standard ** C Flange DIN42948

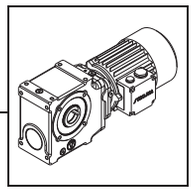
SG53V...



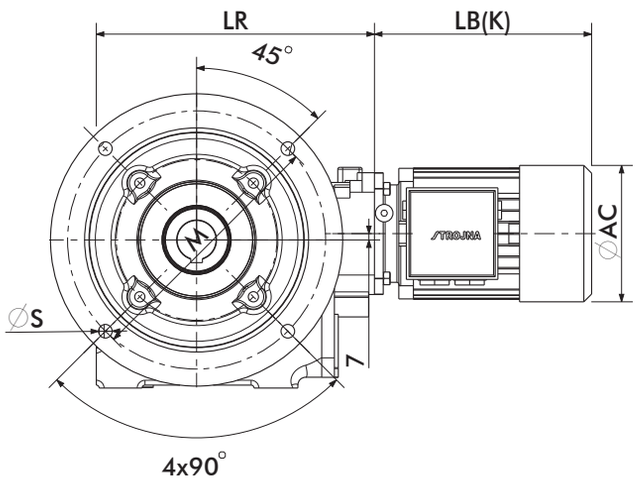


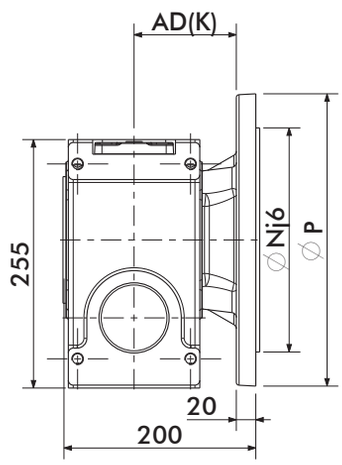
SG53Z...



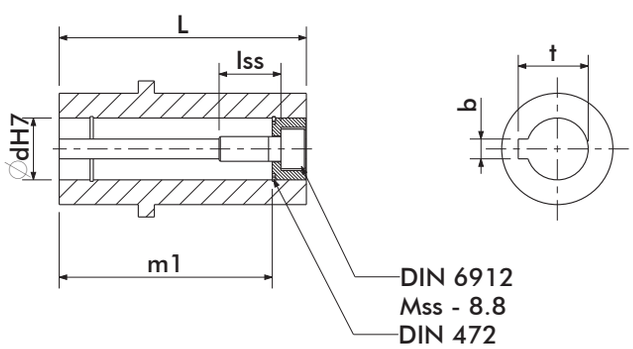


SG53P...SMB/SMR



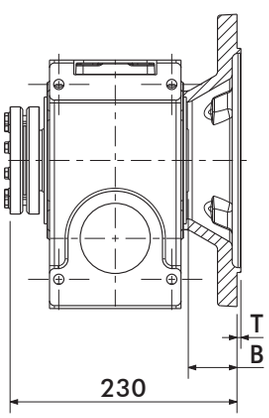


DIN42948	P	N	M	T	B	S
*A300	300	230	265	4	50	14



d	L	m1	lss	Mss	t	b
40	150	138	40	M16	43,3	12
*45	150	133	40	M16	48,8	14

SG53PD...

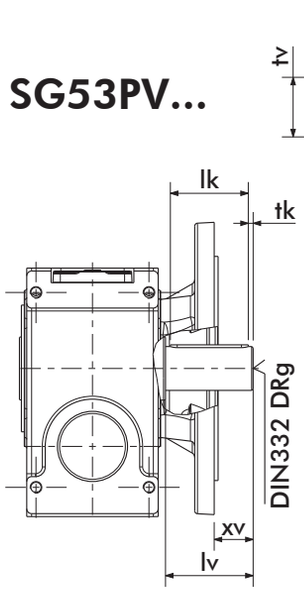


dv	tv	bv	lv	lk	tk	xv	g	lz
40	43	12	80	70	5	27	M16	310
*45	48,5	14	90	80	5	37	M16	330

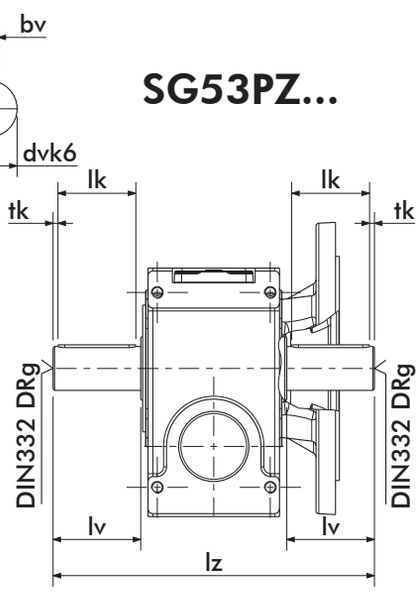
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	286
71	223	105	280	137	140	286
80	251	110	311	147	154	286
90S	276	121	360	164	170	286
90L	301	121	385	164	170	286
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

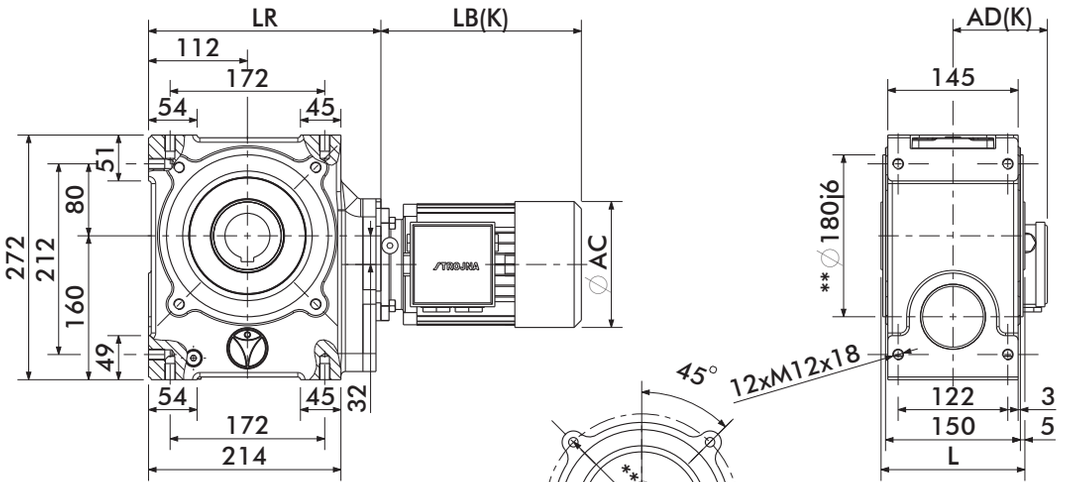
SG53PV...

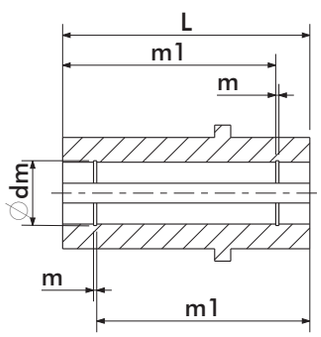


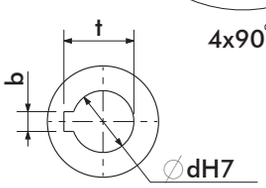
SG53PZ...



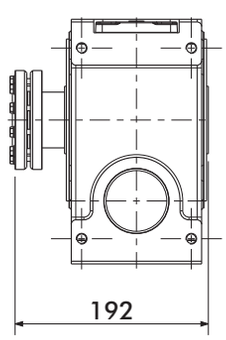
SG62...SMB/SMR







SG62D...



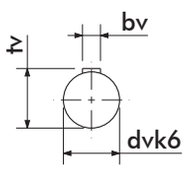
d	L	m1	dm	m	t	b
*50	160	143	53	2,15	53,8	14

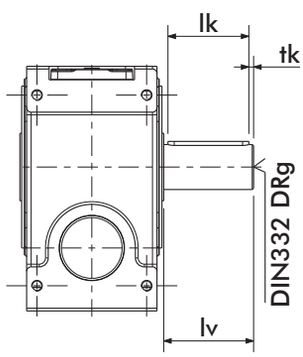
dv	tv	bv	lv	lk	tk	g	lz
*50	53,5	14	100	80	10	M16	360

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	258
71	223	105	280	137	140	258
80	251	110	311	147	154	258
90S	276	121	360	164	170	258
90L	301	121	385	164	170	258
100	329	157	418	174	193	362
112M	334	169	413	199	216	362
132S	377	190	492	183	247	375
132M	415	190	532	183	247	375
132Ma	415	190	532	183	247	375
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

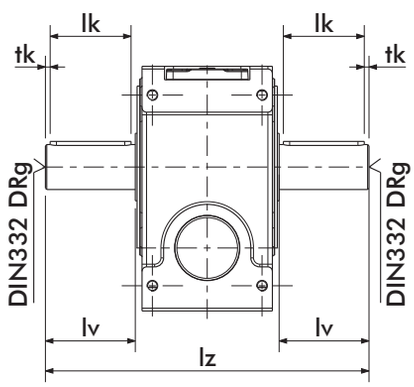
* Standard ** C Flange DIN42948

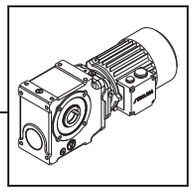
SG62V...



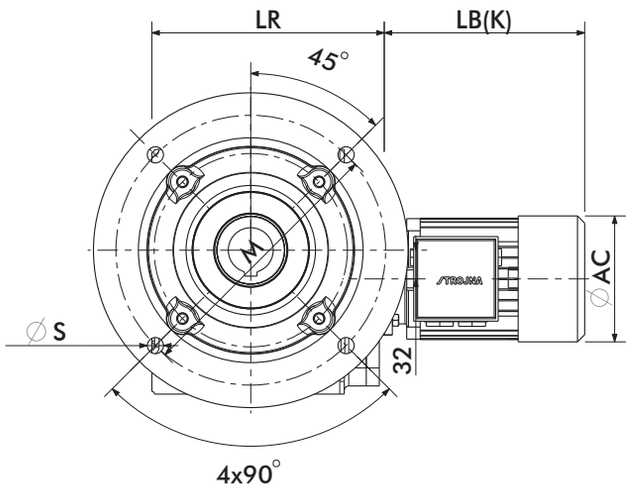


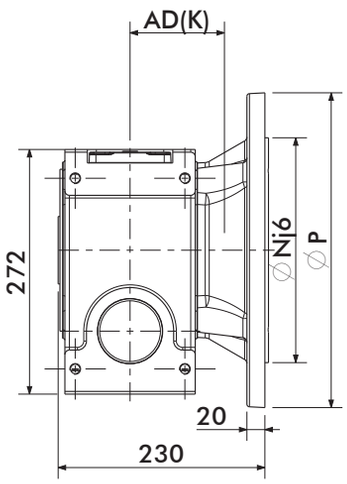
SG62Z...





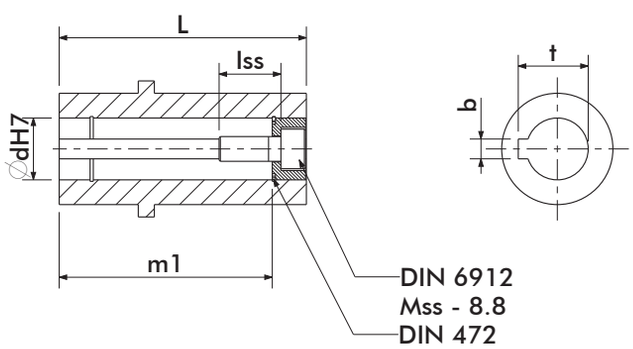
SG62P...SMB/SMR

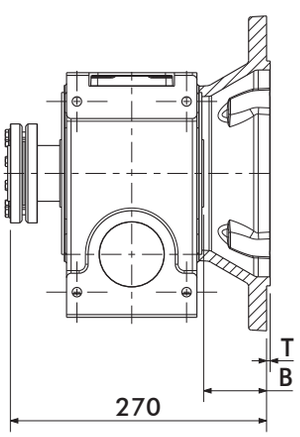




DIN42948	P	N	M	T	B	S
*A350	350	250	300	4	70	18

SG62PD...





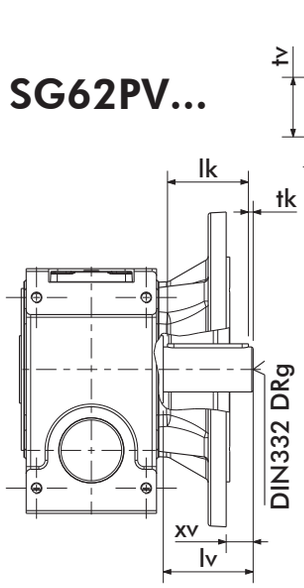
d	L	m1	lss	Mss	t	b
*50	160	143	40	M16	53,8	14

dv	tv	bv	lv	lk	tk	xv	g	lz
*50	53,5	14	100	80	10	27	M16	360

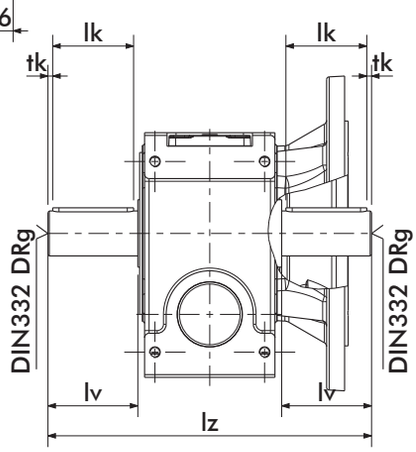
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	258
71	223	105	280	137	140	258
80	251	110	311	147	154	258
90S	276	121	360	164	170	258
90L	301	121	385	164	170	258
100	329	157	418	174	193	362
112M	334	169	413	199	216	362
132S	377	190	492	183	247	375
132M	415	190	532	183	247	375
132Ma	415	190	532	183	247	375
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

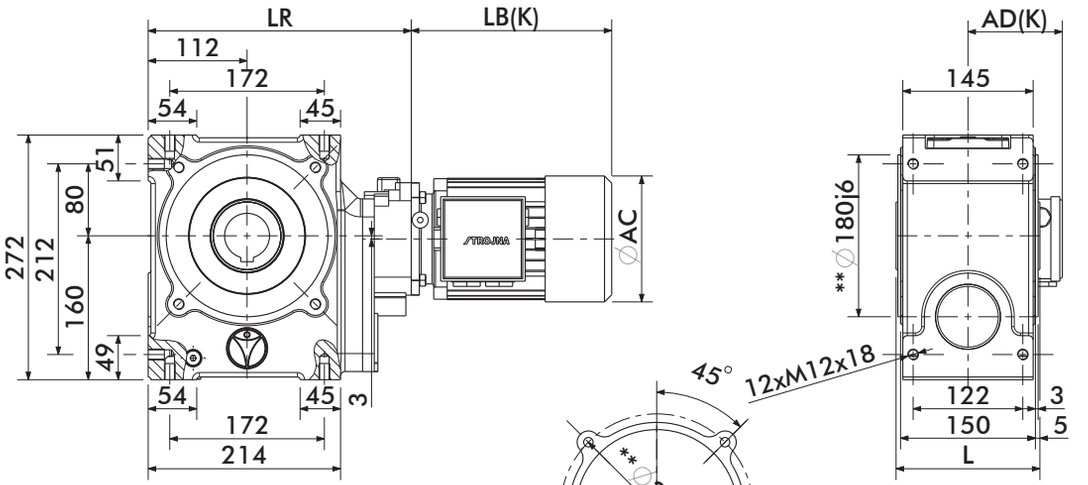
SG62PV...

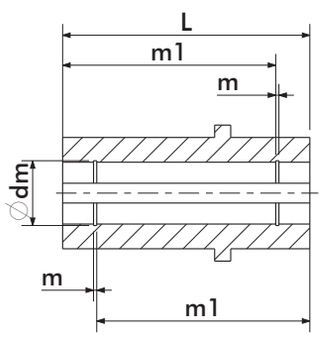


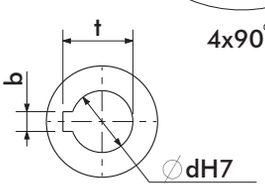
SG62PZ...



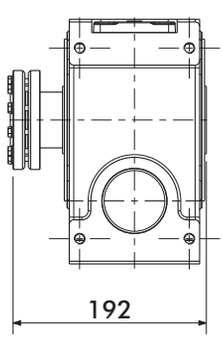
SG63...SMB/SMR







SG63D...



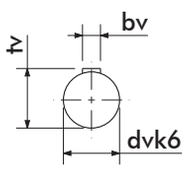
d	L	m1	dm	m	t	b
*50	160	143	53	2,15	53,8	14

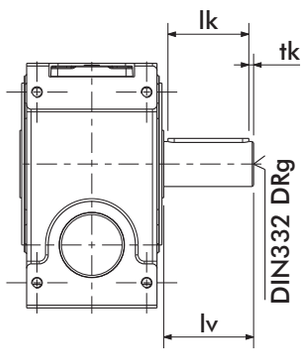
dv	tv	bv	lv	lk	tk	g	lz
*50	53,5	14	100	80	10	M16	360

SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	292
71	223	105	280	137	140	292
80	251	110	311	147	154	292
90S	276	121	360	164	170	292
90L	301	121	385	164	170	292
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

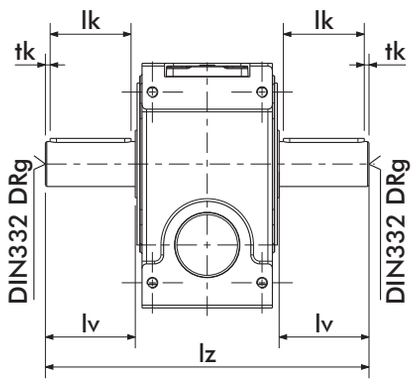
* Standard ** C Flange DIN42948

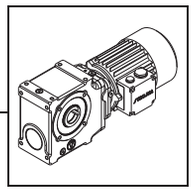
SG63V...



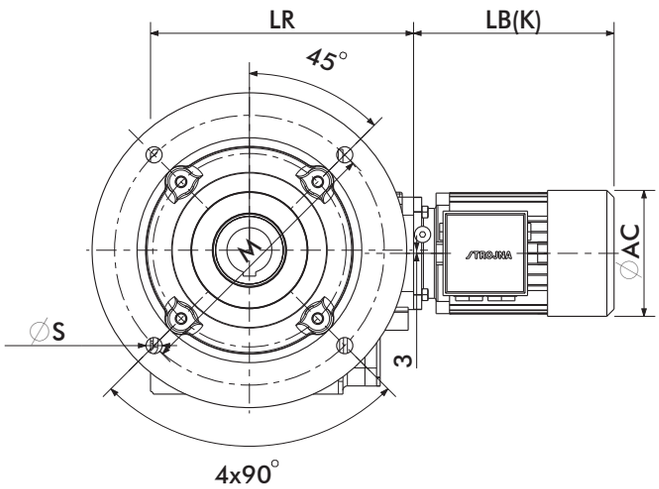


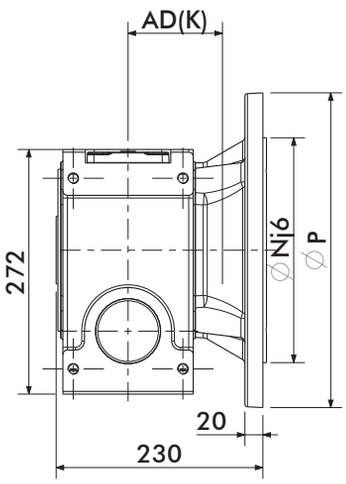
SG63Z...





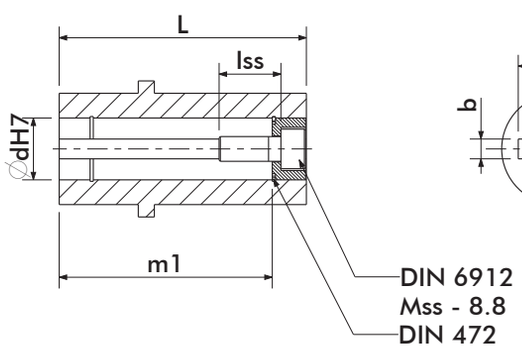
SG63P...SMB/SMR

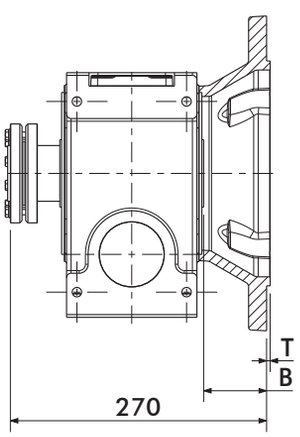




DIN42948	P	N	M	T	B	S
*A350	350	250	300	4	70	18

SG63PD...





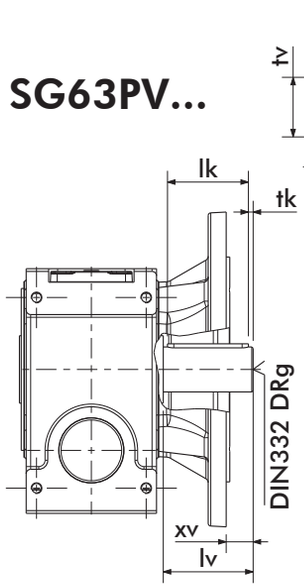
d	L	m1	lss	Mss	t	b
*50	160	143	40	M16	53,8	14

dv	tv	bv	lv	lk	tk	xv	g	lz
*50	53,5	14	100	80	10	27	M16	360

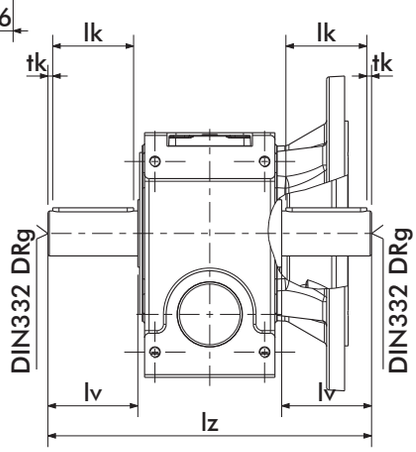
SMB/ SMR	LB	AD	LBK	ADK	AC	LR
63	207	97	260	125	125	292
71	223	105	280	137	140	292
80	251	110	311	147	154	292
90S	276	121	360	164	170	292
90L	301	121	385	164	170	292
100						
112M						
132S						
132M						
132Ma						
160M						
160L						
180M						
180L						
200L						
225S						
225M						
250M						

* Standard

SG63PV...

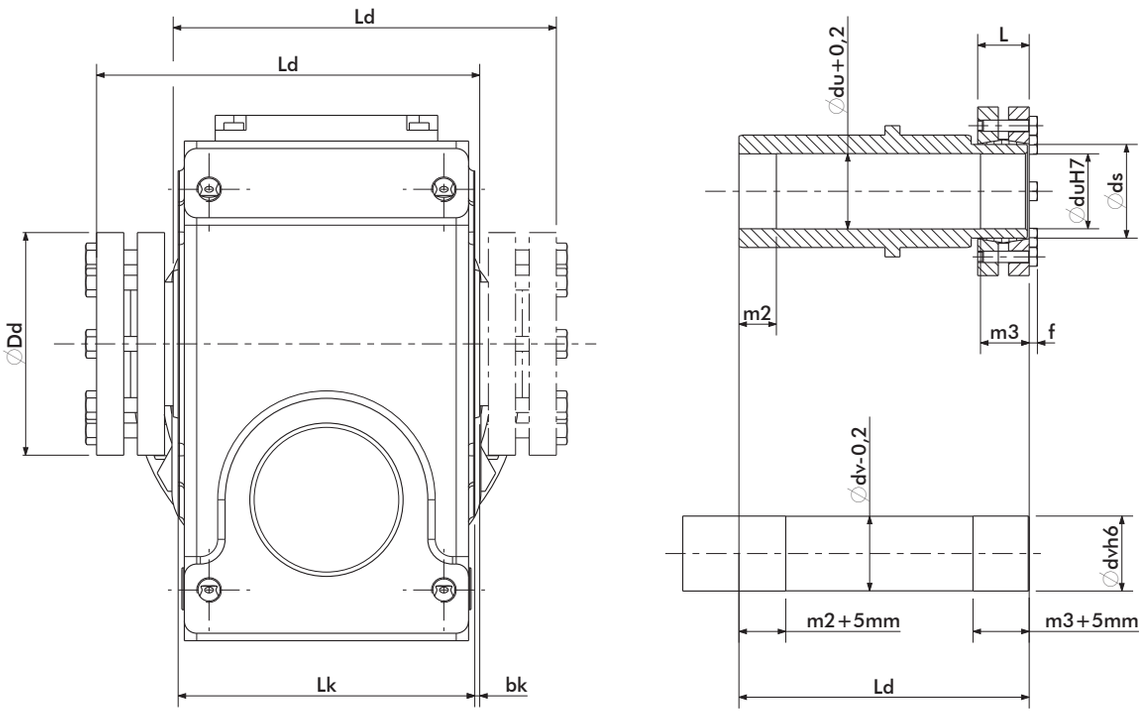


SG63PZ...



Shrink disc / Schrumpfscheibe

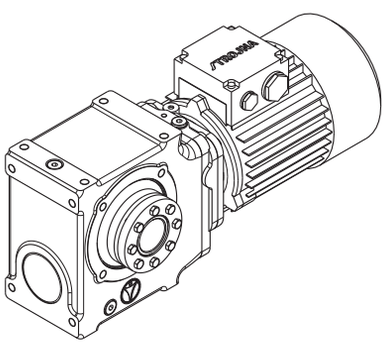
SG...(P)D SM



Position / Lage

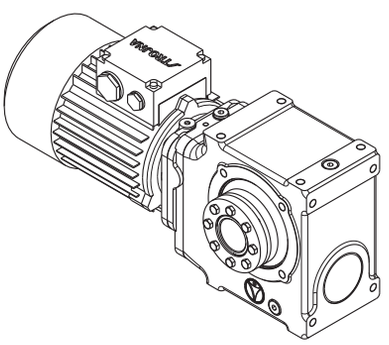
Left / Links

SG...(P)DA SM

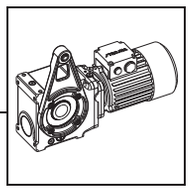


Right / Rechts

SG...(P)DB SM



	m2	m3	Lk	bk	Ld	du/dv	ds	Dd	L	f	Msmax [Nm]	Mp [Nm]
SG1	20	20	95	5	130	30	36	72	23,5	4	570	12
SG2	20	25	105	5	140	35	44	80	25,5	4	780	12
SG3	30	25	124	3	160	40	50	90	27,5	4	1160	12
SG4	30	25	120	5	160	40	50	90	27,5	4	1160	12
SG5	30	30	140	5	180	50	62	110	30,5	4	2200	12
SG6	30	30	150	5	192	50	62	110	30,5	4	2200	12



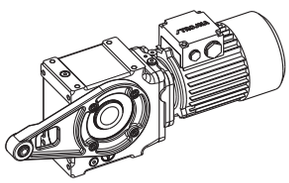
Torque Arm / Drehmomentstütze

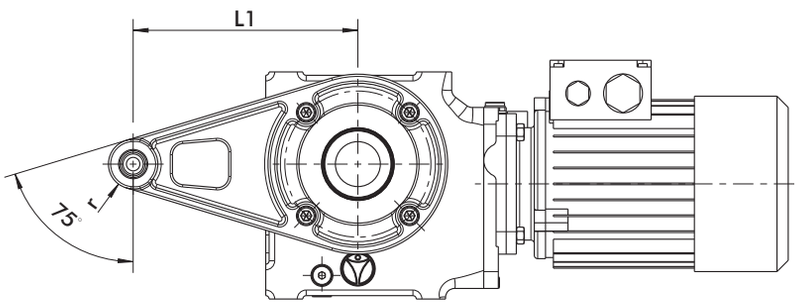
SG...SM/MR

Position / Lage

Left / Links

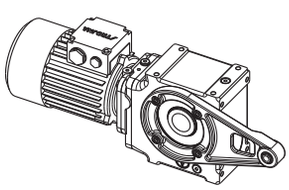
SG...SM/MRA...

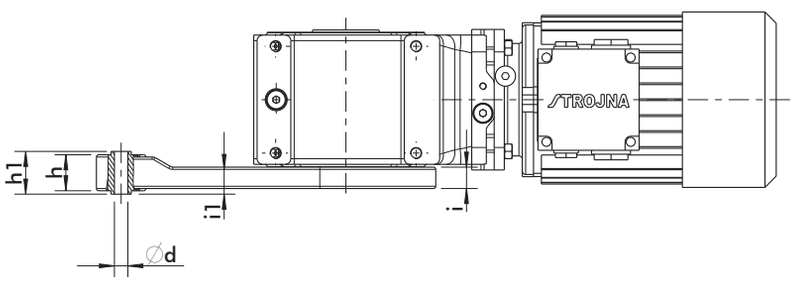


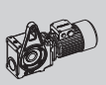


Right / Rechts

SG...SM/MRB...

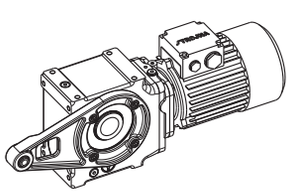




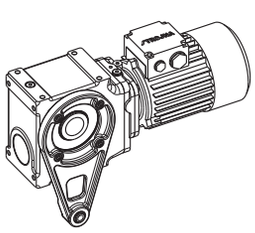


Direction / Richtung

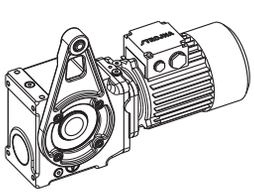
SG...SM/MR...0



SG...SM/MR...1

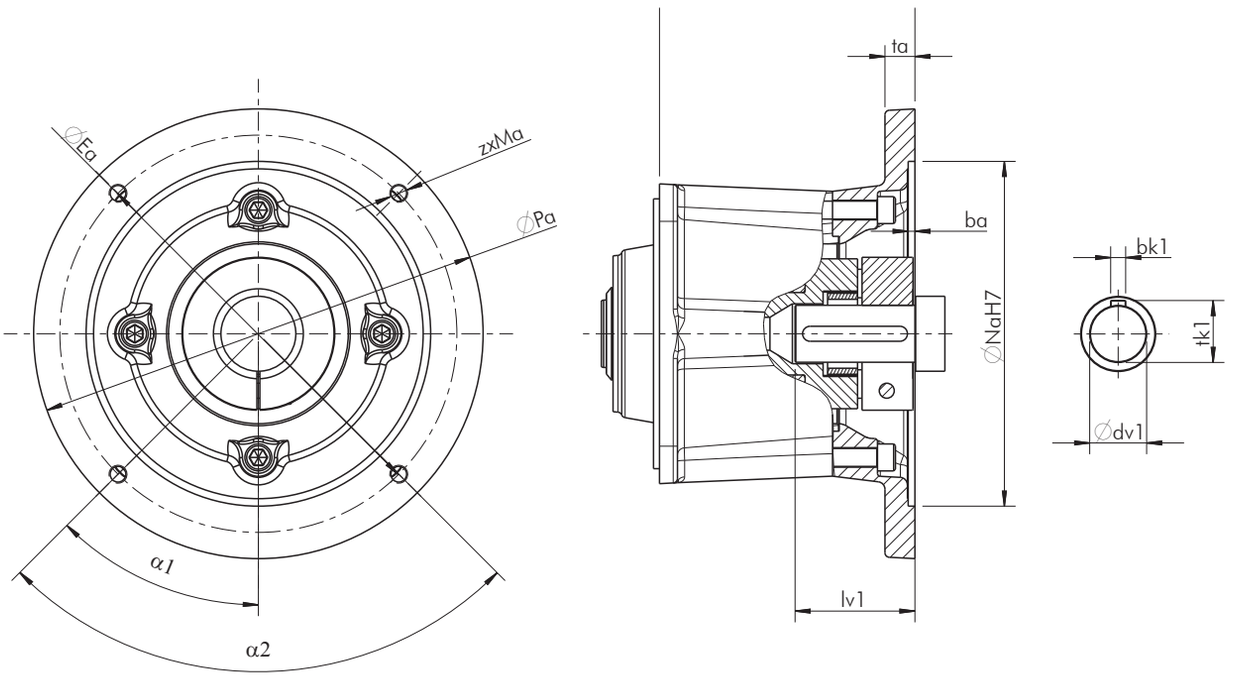


SG...SM/MR...2



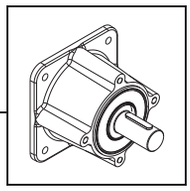
	L1	r	h	h1	d	i1	i
SG1	132	23	32	38	12	15	15
SG2	160	23	32	38	12	17	17
SG3	180	23	32	38	12	21	21
SG4	200	23	32	38	12	21	21
SG5	225	36	56	62,5	20	28	23
SG6	250	36	56	62,5	20	28	23

Dimensions - IEC adapter / IEC Adapterabmessungen

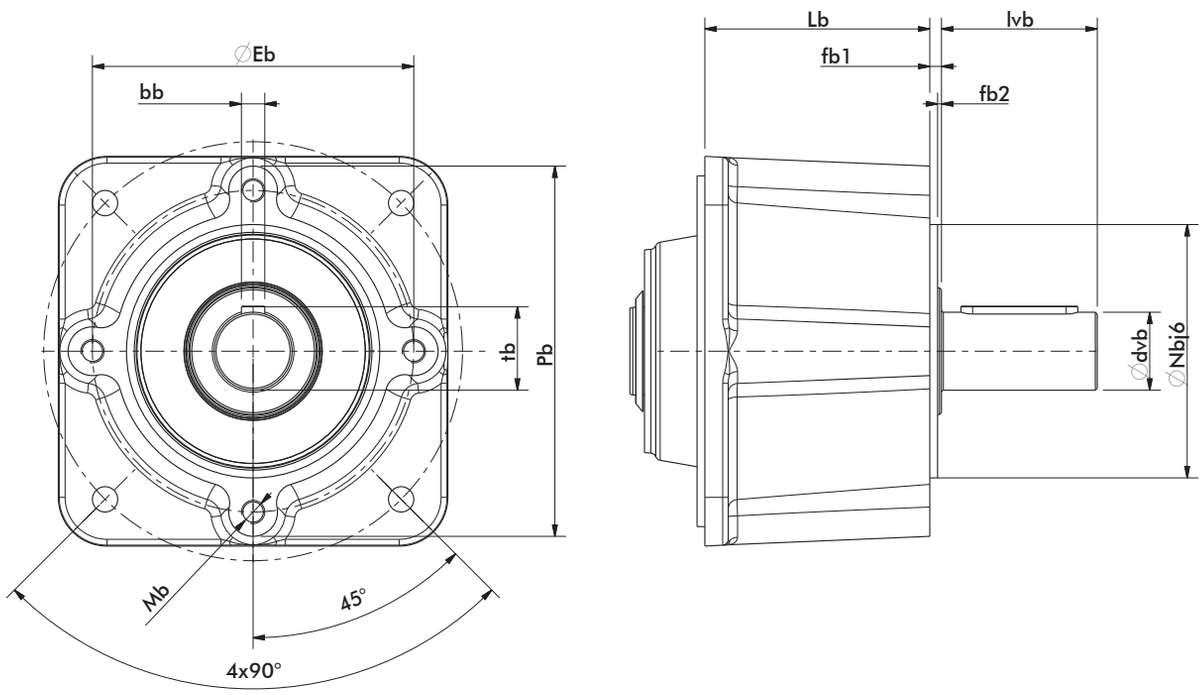


IEC-B5	Pa	Na	ba	Ea	zxMa	a1	a2	La	ta	dv1	lv1	tk1	bk1	m (kg)
A63	140	95	3,5	115	4xM8	45°	90°	68	10	11j6	23	12,5	4	3
A71	160	110	4	130	4xM8	45°	90°	68	10	14j6	30	16	5	3
A80	200	130	4	165	4xM10	45°	90°	96	14	19j6	40	21,5	6	6
A90	200	130	4	165	4xM10	45°	90°	96	14	24j6	50	27	8	6
A100	250	180	4,5	215	4xM12	45°	90°	113	18	28j6	60	31	8	13
A112	250	180	4,5	215	4xM12	45°	90°	113	18	28j6	60	31	8	13
A132	300	230	4,5	265	4xM12	45°	90°	170,5	20	38k6	80	41	10	26

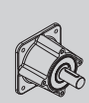
IEC-B14	Pa	Na	ba	Ea	zxMa	a1	a2	La	ta	dv1	lv1	tk1	bk1	m (kg)
A63	120	80	3,5	100	4x∅7	45°	90°	68	8	11j6	23	12,5	4	2,5
A71	140	95	3,5	115	4x∅9	45°	90°	68	10	14j6	30	16	5	3
A80	160	110	4	130	4x∅9	45°	90°	96	14	19j6	40	21,5	6	5
A90	160	110	4	130	4x∅9	45°	90°	96	14	24j6	50	27	8	5
A100	200	130	4	165	4x∅11	45°	90°	113	18	28j6	60	31	8	11
A112	200	130	4	165	4x∅11	45°	90°	113	18	28j6	60	31	8	11

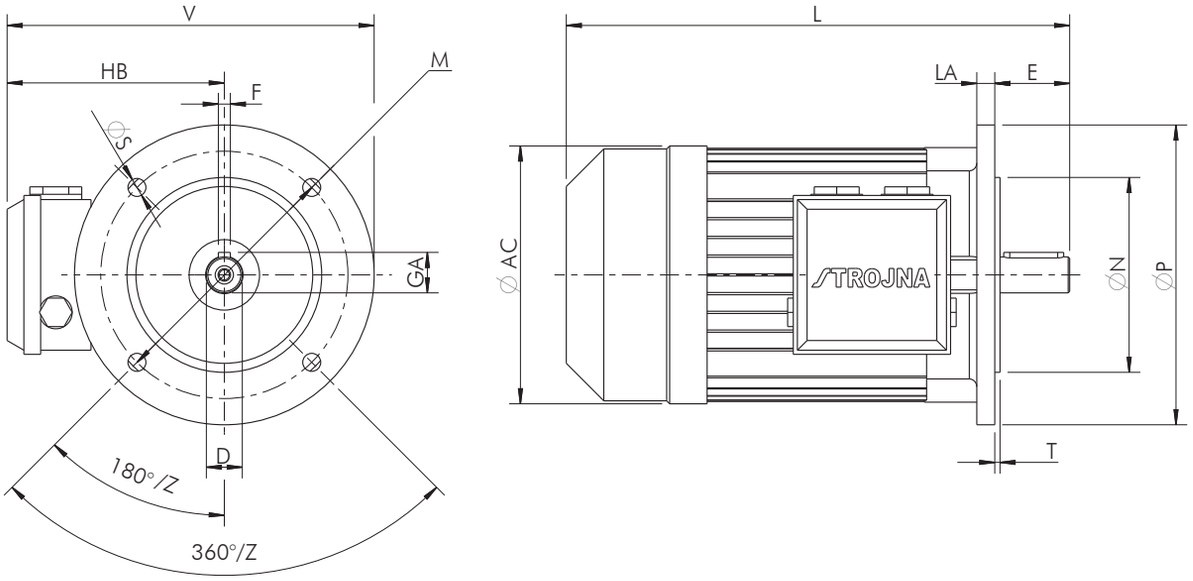


Dimensions Input shaft / Antriebswelle - Abmessungen



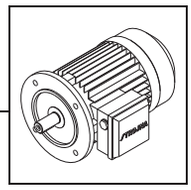
Type		Lb	lvb	fb1	fb2	dvb	tb	bb	Nb	Eb	Mb	Pb	m (kg)
B1	(63-71)	48,5	40	5	2	20j6	22,5	6	55	68	M6X10	80	2,5
B2	(80-90)	61	50	5	2	25j6	28	8	80	100	M8X14	116	4
B3	(100-112)	78	60	5	2	30k6	33	8	110	130	M10X17	150	8
B4	(132)	116	80	6	2	40k6	43	12	130	165	M12x20	190	17

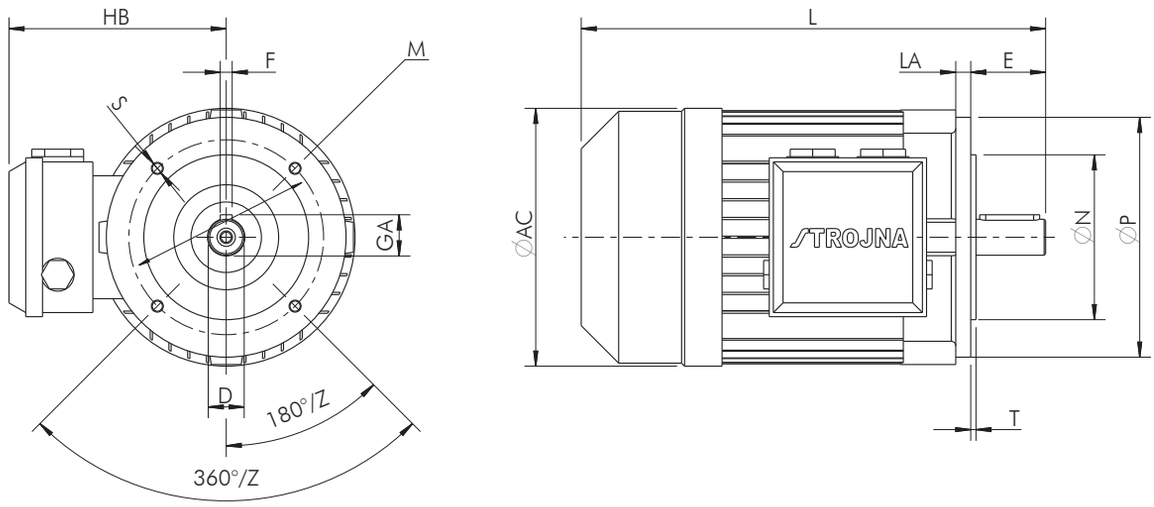




IEC – B5

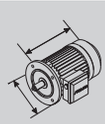
Typ / Type	Flange	AC	D	DB	E	F	GA	L	LA	M	N	P	S	Z	T	V	U	Pole
63	FF 115	125	11	M4	23	4	12,5	213	8	115	95	140	10	4	3	167	M20X1,5	2, 4, 6, 8
71	FF 130	140	14	M5	30	5	16	241	10	130	110	160	10	4	3,5	185	M20X1,5	2, 4, 6, 8
80	FF 165	154	19	M6	40	6	21,5	274	12	165	130	200	12	4	3,5	210	M20X1,5	2, 4, 6, 8
90 S L	FF 165	170	24	M8	50	8	27	307 332	12	165	130	200	12	4	3,5	221	M25X1,5	2, 4, 6, 8
100 L Ld	FF 215	193	28	M10	60	8	31	370	15	215	180	250	14,5	4	4	282	M25X1,5	2, 4, 6, 8 4, 6
112 M	FF 215	216	28	M10	60	8	31	380	16	215	180	250	14,5	4	4	294	M25X1,5	2, 4, 6, 8
132 S M	FF 265	247	38	M12	80	10	41	441 439	16	265	230	300	14,5	4	4	340	M32X1,5	2, 4, 6, 8 4, 6, 8

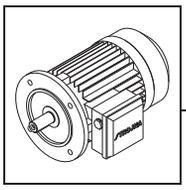




IEC – B14

Type / Typ	Flange	AC	D	DB	E	F	GA	L	LA	M	N	P	S	Z	T	V	U	Pole
63	FT100	125	11	M4	23	4	12,5	213	8	100	80	120	M6	4	3		M20X1,5	2, 4, 6, 8
71	FT115	140	14	M5	30	5	16	241	10	115	95	140	M8	4	3		M20X1,5	2, 4, 6, 8
80	FT130	154	19	M6	40	6	21,5	274	12	130	110	160	M8	4	3,5		M20X1,5	2, 4, 6, 8
90 S	FT130	170	24	M8	50	8	27	307	10	130	110	160	M8	4	3,5		M25X1,5	2, 4, 6, 8
90 L								332										
100 L	FT165	193	28	M10	60	8	31	370	15	165	130	200	M10	4	3,5		M25X1,5	2, 4, 6, 8
100 Ld																		4, 8
112 M	FT165	216	28	M10	60	8	31	380	16	165	130	200	M10	4	3,5		M25X1,5	2, 4, 6, 8





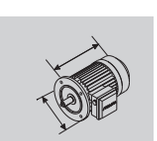
LOW VOTAGE THREE PHASE TOTALLY ENCLOSED FAN COOLED CAGE MOTORS
DREHSTROM ASYNCHRON MOTOREN MIT KÄ FIGLÄUFER IN GESCHLOSSENEN AUSFÜHRUNG

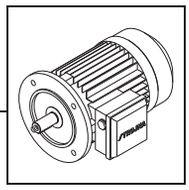
Degree of protection : IP 55/
Schutzart: IP 55

Voltage / Spannung: 400 V, 50 Hz

Type / Typ	P_N kW	n_N min^{-1}	η %	cos φ	I_N A	T_N Nm	I_1/I_N	T_1/T_N	T_b/T_N	Torque class KR	J kgm^2	kg
3000 min^{-1}												
63 A-2	0,18	2700	62	0,8	0,54	0,64	3,2	2	2,4	16	0,0001	4,2
63 B-2	0,25	2730	62	0,8	0,72	0,87	3,5	2,2	2,4	16	0,00013	4,6
71 A-2	0,37	2720	63	0,81	1,1	1,3	4	2	2,2	16	0,00023	5,4
71 B-2	0,55	2760	69	0,81	1,4	1,9	4,8	2,2	2,6	16	0,00033	6,3
80 A-2	0,75	2770	71	0,8	1,9	2,6	4,8	2,1	2,5	16	0,00055	8,3
80 B-2	1,1	2770	73	0,84	2,6	3,8	4,4	2,2	2,3	16	0,00066	9,1
90 S-2	1,5	2810	74	0,85	3,4	5,1	5	2,4	2,4	16	0,00123	12,5
90 L-2	2,2	2830	80	0,85	4,7	7,4	6	2,9	2,7	16	0,00184	16
100 L-2	2	2820	78	0,83	6,7	10	6,5	2,7	3,2	16	0,003	19
112 M-2	4	2830	82	0,9	7,8	13	7,6	3,2	3,3	16	0,005	24
132 Sk-2	5,5	2840	86	0,88	10,7	18	8,5	3,6	3,8	16	0,01	47
132 S-2	7,5	2860	84	0,9	14,3	25	8,5	3,7	4	16	0,013	56

Type / Typ	P_N kW	n_N min^{-1}	η %	cos φ	I_N A	T_N Nm	I_1/I_N	T_1/T_N	T_b/T_N	Torque class KR	J kgm^2	kg
1500 min^{-1}												
63 A-4	0,12	1310	60	0,66	0,44	0,87	3	1,8	2,1	13	0,00027	4,4
63 B-4	0,18	1330	63	0,74	0,56	1,29	3,2	2,2	2,1	13	0,00037	5
71 A-4	0,25	1340	63	0,76	0,75	1,8	3,2	1,7	1,9	13	0,00038	5,3
71 B-4	0,37	1340	62	0,75	1,1	2,6	3,5	2	2,1	13	0,00055	6,3
80 A-4	0,55	1375	69	0,75	1,5	3,8	3,8	1,9	2	13	0,0009	8,2
80 B-4	0,75	1375	72	0,75	2	5,2	3,8	2,1	2,2	13	0,0011	9
90 S-4	1,1	1410	74	0,78	2,8	7,5	4,1	2,3	2,3	16	0,0023	13,2
90 L-4	1,5	1405	76	0,79	3,6	10	4,5	2,7	2,5	16	0,0032	15,8
100 L-4	2,2	1410	78	0,81	5	15	5,6	2,6	2,8	16	0,0054	20,5
100 Ld-4	3	1410	76	0,8	7,1	20	5,7	2,4	2,7	16	0,0071	22,6
112 M-4	4	1420	81	0,82	8,6	27	6,5	2,9	3	16	0,013	28,4
132 S-4	5,5	1450	85	0,82	11,4	36	6,5	2,5	3,1	16	0,019	53
132 M-4	7,5	1450	86	0,8	15,7	49	6,5	2,4	3,2	16	0,025	64





LOW VOTAGE THREE PHASE TOTALLY ENCLOSED FAN COOLED CAGE MOTORS
DREHSTROM ASYNCHRON MOTOREN MIT KÄ FIGLÄUFER IN GESCHLOSSENEN AUSFÜHRUNG

Degree of protection: IP 55/
Schutzart: IP 55

Voltage / Spannung: 400 V, 50 Hz

Type / Typ	P_N kW	n_N min^{-1}	η %	cos φ	I_N A	T_N Nm	I_1/I_N	T_1/T_N	T_b/T_N	Torque class KR	J kgm^2	kg
1000 min^{-1}												
63 A-6	0,09	870	44	0,68	0,45	0,98	2,1	1,7	1,8	13	0,00027	4,4
63 B-6	0,12	880	43	0,63	0,64	1,3	2,3	2,2	2,6	13	0,00037	5
71 A-6	0,18	900	57	0,65	0,7	1,9	2,6	1,9	2	13	0,00055	6,1
71 B-6	0,25	890	57	0,64	1	2,7	2,6	1,8	2,1	13	0,00071	6,8
80 A-6	0,37	910	62	0,69	1,2	3,9	3,3	2	2,2	13	0,0018	9
80 B-6	0,55	910	68	0,66	1,8	5,7	3,5	2,2	2,4	13	0,0024	11,6
90 S-6	0,75	920	70	0,72	2,1	7,8	3,3	2	2	16	0,0037	13
90 L-6	1,1	910	70	0,7	3,3	11,2	3,8	2,2	2,4	16	0,0054	16,3
100 L-6	1,5	910	72	0,75	4	16	4,2	2,1	2,2	13	0,0054	20,5
112 M-6	2,2	930	76	0,75	5,6	23	4,5	2	2,1	16	0,012	27
132 S-6	3	940	77	0,78	7,2	30	4,5	2	2,1	13	0,015	47
132 Mk-6	4	940	82	0,77	9,1	40,2	4,5	1,9	2	13	0,02	57
132 M-6	5,5	950	83	0,77	12,4	55,3	4,5	1,9	2,1	13	0,028	68

Type / Typ	P_N kW	n_N min^{-1}	η %	cos φ	I_N A	T_N Nm	I_1/I_N	T_1/T_N	T_b/T_N	Torque class KR	J kgm^2	kg
750 min^{-1}												
63 A-8	0,055	610	34	0,66	0,35	0,9	1,8	1,7	1,8	13	0,00027	4,4
71 A-8	0,09	670	43	0,5	0,6	1,3	2,2	1,8	2	16	0,00055	6,1
71 B-8	0,12	680	46	0,5	0,75	1,7	2,2	1,9	2,2	16	0,00071	6,8
80 A-8	0,18	680	55	0,55	0,86	2,5	2,8	2,2	2,5	16	0,0018	9
80 B-8	0,25	680	59	0,56	1,1	3,5	2,8	2,3	2,5	16	0,0024	11,6
90 S-8	0,37	700	57	0,62	1,5	5	2,9	1,7	1,8	13	0,0037	13
90 L-8	0,55	700	61	0,61	2,1	7,5	3	2	2	13	0,0054	16,3
100 L-8	0,75	690	64	0,67	2,5	10	3,7	2,3	2,4	13	0,0054	20,5
100 Ld-8	1,1	670	64	0,7	3,5	15,7	3,5	2,1	2,4	13	0,0071	22,6
112 M-8	1,5	680	69	0,71	4,4	21	3,6	1,8	2,2	13	0,012	27
132 S-8	2,2	700	72	0,72	6,1	30	3,6	1,8	2,1	13	0,015	47
132 M-8	3	700	76	0,72	7,9	40	4	1,8	2,1	13	0,028	68