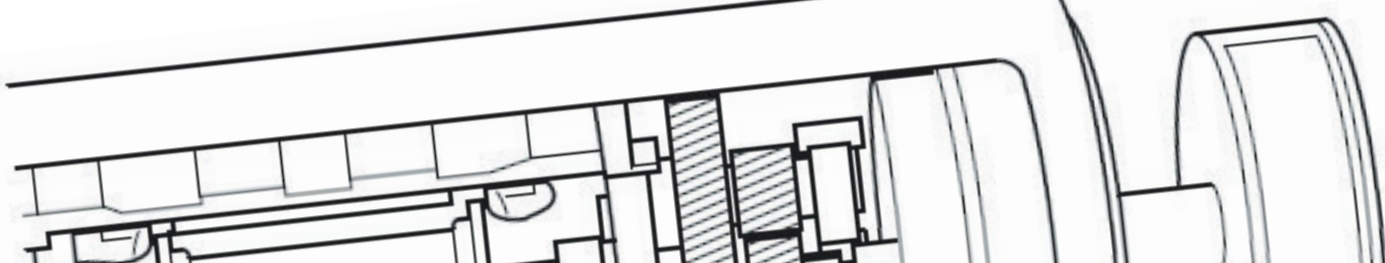


SCANDRIVE® DRUM MOTORS



STEELGEAR

ELLEGAARD.



SCANDRIVE® TECHNICAL DATA

SCANDRIVE® DRUM MOTORS

Ellegaard produces, develops and services drum motors locally for Danish business and for decades we have kept internal transport systems running smoothly all over Denmark.

We offer high service and an ultra-short delivery time for standard drum motors as well as completely individual solutions. In the event of a plant breakdown, we can deliver a new drum motor within a few hours.

Technically and in terms of quality, **ScanDrive®** drum motors are on a par with the leaders on the world market and can easily be fitted into existing constructions.

The mechanical efficiency is very high, around 97%, and the power consumption is significantly lower compared to a traditional gear solution.

Drum motors are probably one of the safest drives for conveyors, as the motor is completely enclosed and external shafts are always fixed. The only thing that moves is the shell.

In the food industry, high demands are placed on hygiene and cleaning, which is why the encapsulated motor has its clear advantages. In other industries, the smaller space requirements are the main advantage.

ScanDrive® drum motors are used for stationary or transportable transport systems. In addition, the motors can also be used in conveyor systems without belts.

ScanDrive® L is supplied with plastic gear and cable as standard.

ScanDrive® S is supplied with steel gears and either cable or terminal box as standard.

ScanDrive® is know-how and quality. The good service is just an extra bonus.

TECHNICAL DATA

MECHANICAL STRUCTURE

Oil-cooled, completely closed, dust- and splash-proof in compliance with IP66. With integrated 1 or 3 phase motor and standard axles.

Electric motor and gearbox are located in the shell, which is closed at both ends with a cover. This construction means that the motor is a closed unit which is protected against external influences.

Detailed dimensioning of the individual parts guarantees a long service life, even under harsh operating conditions. Modern production methods guarantee low noise levels and high efficiency.

Both axles have a key width that enables quick assembly using clamping bearings or brackets. The motor can be delivered both in a standard version and in a stainless version.

SEALING DEGREE

ScanDrive® drum motors are dust- and splash-proof according to the IP66 standard. The motor is therefore suitable for dusty, damp and outdoor environments.

MOTOR

Most drum motors are supplied as 3-phase motors, which, through the compact structure of the motor-rotor-gearbox, provide the best traction.

SHELL

The shell of **ScanDrive®** drum motors is delivered as standard with cambering. The dimensions can be found on the pages with the individual sizes.

SPECIAL DESIGNS

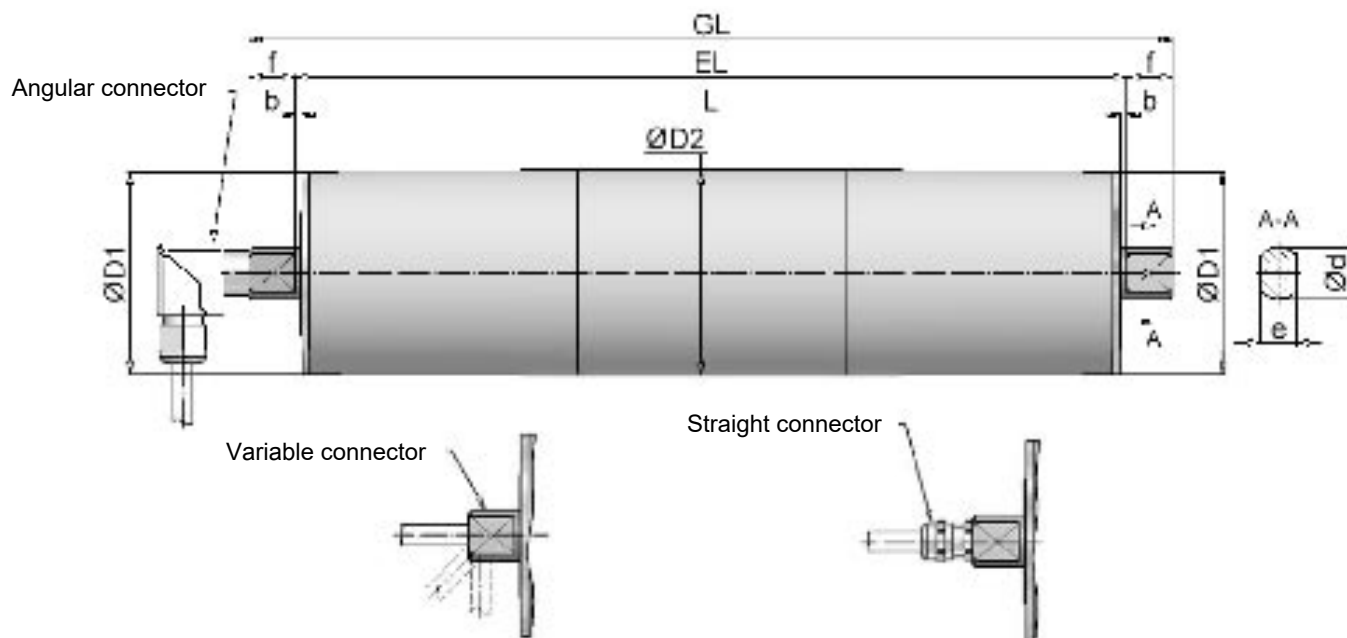
Special designs and non-standard products can be delivered on request.

GLOSSARY

- P2:** Effect (kW) Peripheral
V: speed (m/s) Belt pull
F: (N)
n2: Drum speed (min⁻¹)
T2: Moment (Nm)
I: Power consumption (A)
L min: Minimum length of the shell incl. covers

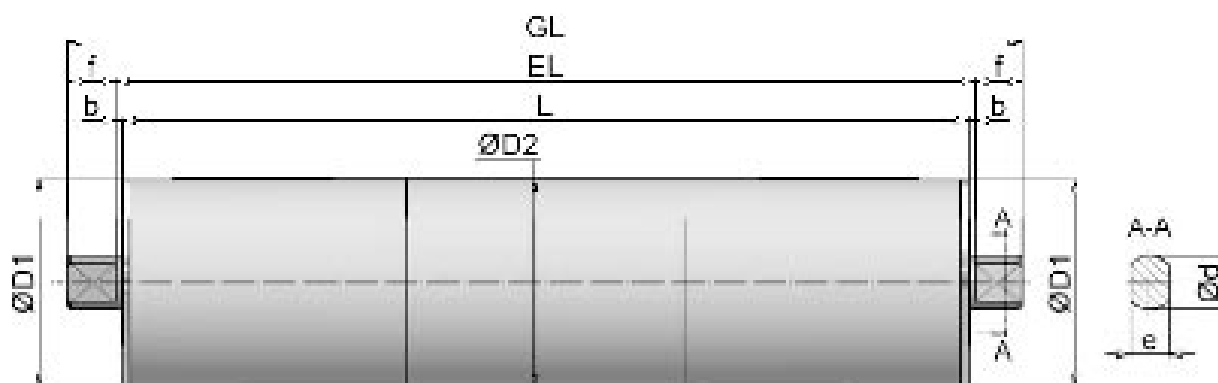
(See more technical data on the last page)

DRUM MOTOR SDS 60 (STANDARD)



Drum motor data*										Standard IP 66	
Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø60	SDS 60	61,5	62,5	-	-	20	14	18	-	2,5	L +5

Guide drum SDSL 60 (STANDARD)



Guide drum data*										Standard IP 66	
Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø60	SDSL 60	61,5	62,5	-	-	20	14	18	-	2,5	L +5

* All measurements are in mm ** Diameter for cylindrical shell



Type: SDS 60 Drum motor data							Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 450 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,03 4-pol.	0,09	26	345	11	0,19	365	6
	0,11	34	265	8			
	0,14	41	219	7			
	0,15	45	204	6			
	0,18	54	168	5			
	0,22	65	139	4			
	0,59	178	51	2			
	0,76	232	39	1			
	0,92	280	32	1			
0,08 2-pol.	0,18	54	447	14	0,24	365	6
	0,23	71	343	11			
	0,28	85	284	9			
	0,30	92	264	8			
	0,37	111	218	7			
	0,44	134	180	6			
	1,21	366	66	2			
	1,57	477	51	2			
	1,90	576	42	1			

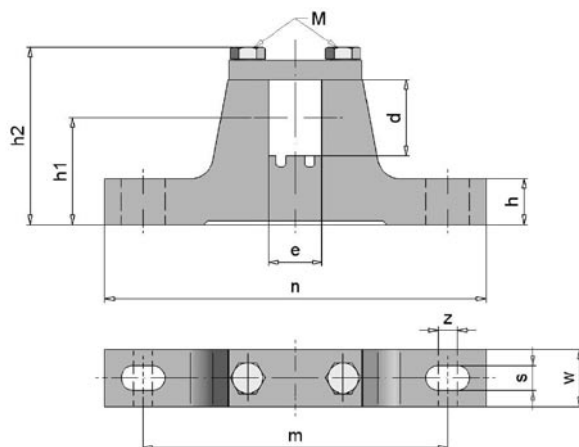
Standard lengths (L): 365, 400, 450...800 mm

Other effects and speed combinations on request! Ready to mount incl. oil

The weight increases with approx. 0.5 kg / 100 mm

Description of standard motor

- shell with cambering
- aluminum covers
- planetary steel gear
- 1,5 m cable

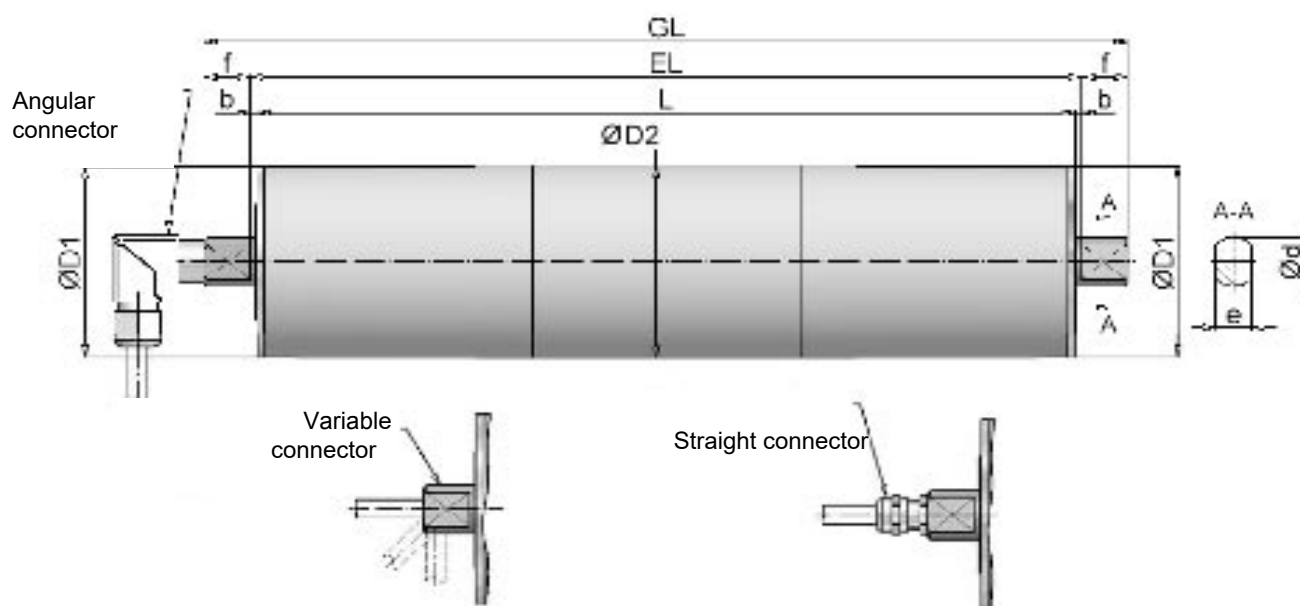
**Clamping bearings***

Size	Type	d	e	h	h1	h2	m	n	s	w	Z	M	Material	Ca. kg
60	SDS 60K	20	14	12	28	47	80	100	6,5	15	5	M5	Stål	0,25

* All measurements are in mm ** Diameter for cylindrical shell



DRUM MOTOR SDS 80 (STANDARD)



Drum motor data*										Standard IP 66	
Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø80	SDS 80	80,0	81,5	-	-	20	14	18	-	2,5	L + 5

GUIDE DRUM TYPE SDSL 80 (STANDARD)



Drum motor data*										Standard IP 66	
Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø80	SDSL 80	80,0	81,5	-	-	20	14	18	-	2,5	L + 5

* Alle mål er i mm - ** Diameter ved cylindrisk svøb



Type: SDS 80		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 200 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,018 8-polig	0,03	8	537	22	0,46	250	4,5
	0,05	11	375	15			
	0,06	14	305	12			
	0,09	20	209	9			
	0,12	29	146	6			
	0,15	36	119	5			
0,04 4-polig	0,08	19	482	20	0,23	200	3,5
	0,10	22	419	17			
	0,14	32	292	12			
	0,17	39	238	10			
	0,25	58	163	7			
	0,35	83	114	5			
	0,43	101	93	4			
0,07 2-polig	0,18	43	384	16	0,20	200	3,5
	0,21	49	334	14			
	0,30	70	233	9			
	0,37	87	190	8			
	0,54	126	130	5			
	0,77	181	91	4			
	0,95	222	74	3			
0,07 4-polig	0,08	20	827	34	0,37	250	4,5
	0,10	23	718	29			
	0,14	33	501	20			
	0,17	40	408	17			
	0,25	59	279	11			
	0,36	84	195	8			
	0,44	103	159	6			
0,12 2-polig	0,19	43	647	26	0,31	250	4,5
	0,21	50	562	23			
	0,31	72	392	16			
	0,38	88	319	13			
	0,55	129	218	9			
	0,79	185	152	6			
	0,97	227	124	5			

Standard lengths (L): 200, 250, 300, 350..800 mm

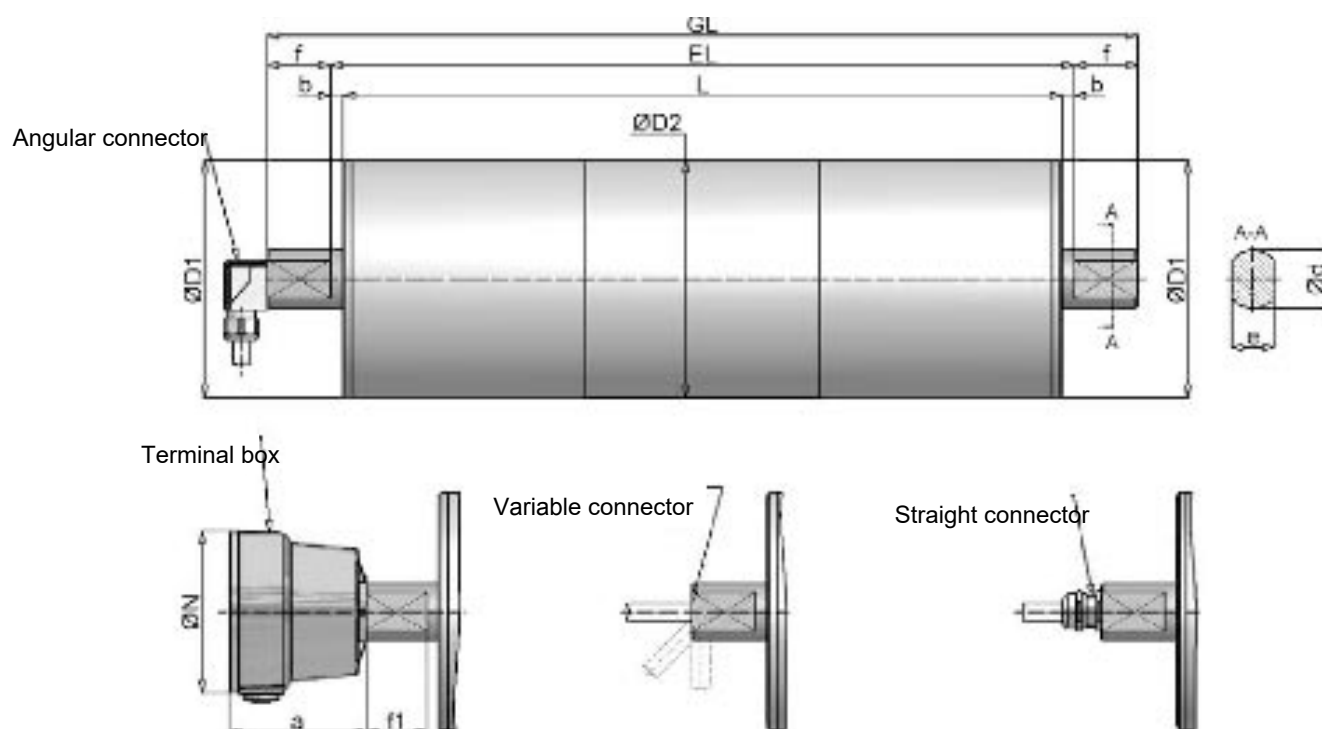
Other effects and speed combinations on request!

Ready for installation incl. oil.

The weight increases to approx. 0.8 kg/100 mm

Description of standard motor

- shell with cambering
- aluminum cover
- helical steel gear
- 1.5 m shielded cable

**DRUM MOTOR SDS 113 (STANDARD)****Drum motor data***

Standard IP 66

Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
113	SDS 113	112,5	113,5	95	112	25	20	25	23	5	L + 10

GUIDE DRUM TYPE SDSL 113 (STANDARD)**Guide drum data***

Standard IP 66

Size	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
113	SDSL 113	112,5	113,5	-	-	25	20	25		5	L + 10

* All measurements are in mm - ** Diameter for cylindrical shell



Type: SDS 113		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 400 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,075 8-pol.	0,09	16	795	45	0,45	260	12,5
	0,12	19	650	37			
	0,14	23	541	31			
	0,16	28	456	26			
	0,19	33	388	22			
	0,23	38	333	19			
	0,26	44	286	16			
	0,28	47	271	15			
	0,34	57	221	13			
	0,41	68	184	10			
	0,48	81	155	9			
	0,57	95	132	8			
	0,66	111	113	6			
	0,77	129	98	6			
0,12 6-pol.	0,14	23	876	50	0,57	260	12,5
	0,17	28	716	41			
	0,20	34	596	34			
	0,24	40	503	29			
	0,28	47	428	24			
	0,33	55	367	21			
	0,38	64	316	18			
	0,40	68	299	17			
	0,49	83	244	14			
	0,59	99	203	12			
	0,70	118	171	10			
	0,82	138	146	8			
	0,96	162	125	7			
	1,11	188	108	6			
0,18 4-pol.	0,21	36	845	48	0,68	260	12,5
	0,26	44	690	39			
	0,31	53	575	33			
	0,37	63	485	27			
	0,44	73	413	23			
	0,51	86	354	20			
	0,59	99	304	17			
	0,63	105	288	16			
	0,76	129	235	13			
	0,92	155	196	11			
	1,09	183	165	9			
	1,28	215	141	8			
	1,49	215	121	7			
	1,73	292	104	6			



Type: SDS 113		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 400 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,25 4-pol.	0,21	36	1173	67	0,94	260	12,5
	0,26	44	959	54			
	0,31	53	798	45			
	0,37	63	673	38			
	0,44	73	573	33			
	0,51	86	491	28			
	0,59	99	423	24			
	0,63	105	400	23			
	0,76	129	327	19			
	0,92	155	272	15			
	1,09	183	229	13			
	1,28	215	195	11			
	1,49	251	167	10			
	1,73	292	144	8			
0,30 4-pol.	0,21	36	1408	80	1,10	280	13,6
	0,26	44	1151	65			
	0,31	53	958	54			
	0,37	63	808	46			
	0,44	73	688	39			
	0,51	86	589	33			
	0,59	99	507	29			
	0,63	105	480	27			
	0,76	129	392	22			
	0,92	155	326	19			
	1,09	183	275	16			
	1,28	215	234	13			
	1,49	251	201	11			
	1,73	292	173	10			
0,37 2-pol.	0,43	72	868	49	0,95	260	12,5
	0,52	88	710	40			
	0,63	105	591	34			
	0,74	125	498	28			
	0,87	147	424	24			
	1,02	171	363	21			
	1,18	199	313	18			
	1,25	210	296	17			
	1,53	257	242	14			
	1,84	309	201	11			
	2,18	367	170	10			
	2,56	431	145	8			
	2,99	503	124	7			
	3,47	584	107	6			



Type: SDS 113 Drum motor data							Vægt
P2	V	n2	F	T2	I [400V]	L min.	L= 400 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,55 2-pol.	0,42	71	1300	74	1,26	280	13,6
	0,52	87	1062	60			
	0,62	105	884	50			
	0,74	124	746	42			
	0,87	145	635	36			
	1,01	170	544	31			
	1,17	198	469	27			
	1,24	209	443	25			
	1,52	256	362	21			
	1,82	307	301	17			
	2,16	364	254	14			
	2,54	428	216	12			
	2,97	499	185	11			
	3,44	579	160	9			

Standard lengths (L): 260-280-300-350-400... 800 mm

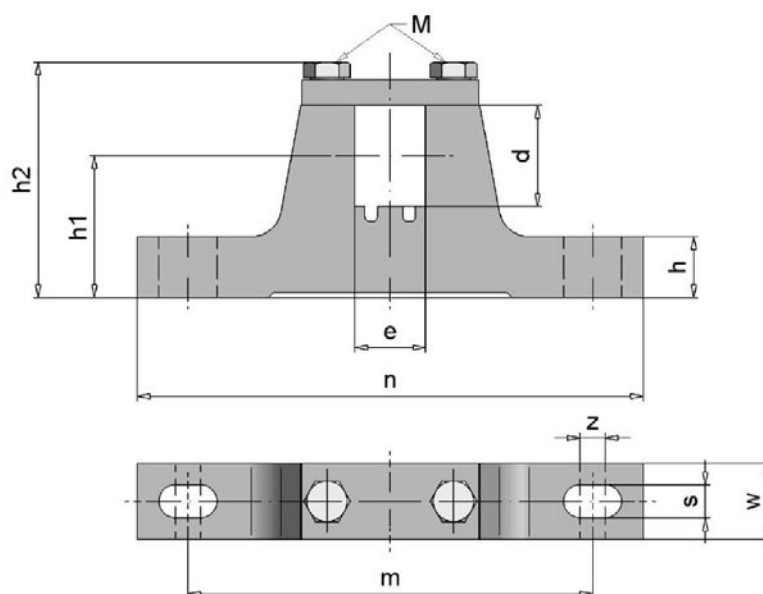
Other effects and speed combinations on request!

Ready for installation incl. oil

The weight increases by approx. 1 kg/100 mm

Description of standard motor

- shell with cambering
- aluminum cover
- helical steel gear
- 1.5 m shielded cable

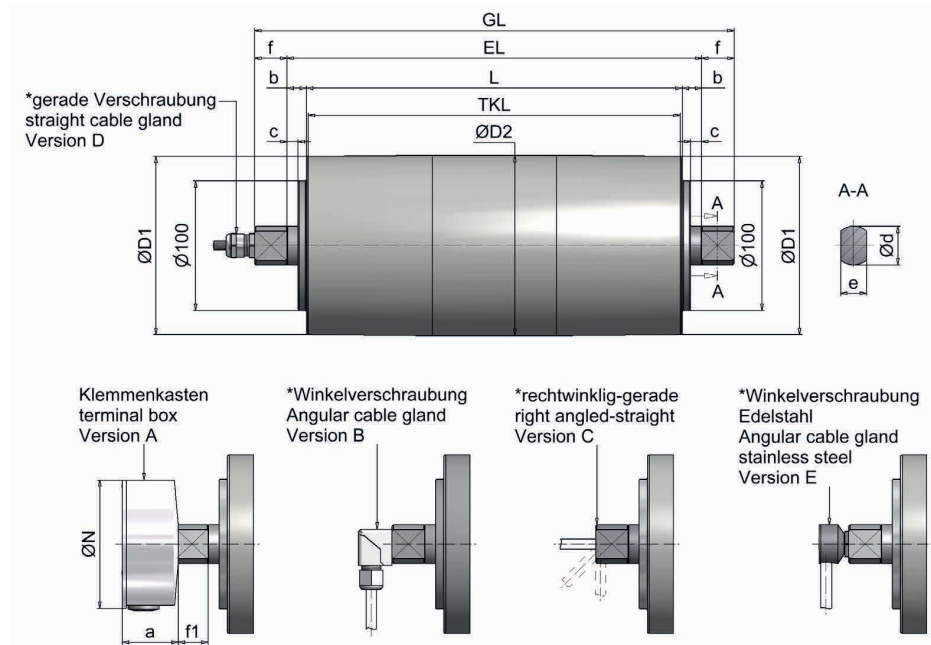


Clamping bearing*														
Size	Type	d	e	h	h1	h2	m	n	s	w	Z	M	Material	Ca. kg
113	SDSL 113 K	25	20	21	44,5	66	100	140	12	20	8	M6	Steel	0,7

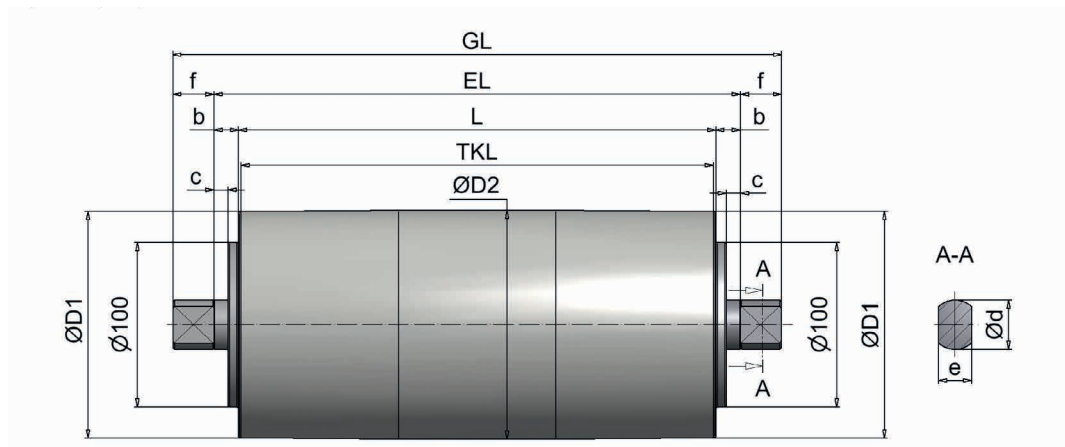
* All measurements are in mm



Trommelmotor / Drum Motor Typ TM 138 Standard



Umlenktrommel / Guide Drum Motor Typ UT 138 Standard



alle Maße in mm / dimensions in mm

TROMMELMOTOR / DRUM MOTOR												STANDARD IP66	
Größe / size	Typ	ØD1	ØD2**	a	ØN	c	Ød	e	f	f1	TKL	b	EL
138	TM 138	137,5	139	43	100	8,5	30	20	25	23	L - 3	15	L + 30
UMLENKTROMMEL / GUIDE DRUM													
138	UT 138	137,5	139			8,5	30	20	25		L - 3	15	L + 30

* mit 1,5 m Kabel / with 1,5 m cable

** Durchmesser bei zylindrischem Trommelkörper 138mm / diameter with cylindrical drum design 138mm



Leistungsdaten / Performance data Typ TM138

TYP	LEISTUNG / POWER	GESCHWINDIG- KEIT / BELT SPEED	DREHZAHL / ROTATION SPEED	BANDZUG- KRAFT / BELT PULL	TROMMEL MOMENT / TORQUE	STROMAUF- NAHME BEI / POWER INPUT AT 400V / 50Hz	TROMMEL- LÄNGE / DRUM LENGTH L min.	GEWICHT / WEIGHT
	P2	v	n2	F	T2			L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]	[A]	[mm]	[kg]
TM138.1	0,09 12-polig	0,04	6	2218	153	0,82	300	15
		0,05	7	1797	124			
		0,06	8	1478	102			
		0,07	9	1362	94			
		0,075	10	1198	83			
		0,08	11	1093	75			
		0,1	14	908	63			
		0,11	15	826	57			
		0,12	17	728	50			
		0,15	21	591	41			
		0,16	23	550	38			
		0,19	26	497	33			
		0,25	34	363	25			
		0,31	43	291	20			
		0,41	57	220	15			
TM138.1	0,18 8-polig	0,07	9	2739	189	0,80	300	15
		0,08	11	2219	153			
		0,1	14	1826	126			
		0,11	15	1683	116			
		0,12	17	1480	102			
		0,13	18	1350	93			
		0,16	22	1122	77			
		0,18	24	1020	70			
		0,2	28	900	62			
		0,25	34	731	50			
		0,26	37	680	47			
		0,3	42	592	41			
		0,4	56	449	31			
		0,5	69	360	25			
		0,66	92	272	19			
TM138.1	0,25 6-polig	0,09	12	2782	192	0,85	300	15
		0,11	15	2254	156			
		0,13	19	1855	128			
		0,15	20	1709	118			
		0,17	23	1503	104			
		0,18	25	1371	95			
		0,22	30	1139	79			
		0,24	33	1036	71			
		0,27	38	914	63			
		0,34	47	742	51			
		0,36	50	691	48			
		0,42	58	601	41			
		0,55	76	456	31			
		0,68	95	366	25			
		0,91	125	276	19			



Leistungsdaten / Performance data Typ TM138

TYP	LEISTUNG / POWER	GESCHWINDIG- KEIT / BELT SPEED	DREHZAHL / ROTATION SPEED	BANDZUG- KRAFT / BELT PULL	TROMMEL MOMENT / TORQUE	STROMAUF- NAHME BEI / POWER INPUT AT 400V / 50HZ	TROMMEL- LÄNGE / DRUM LENGTH L min.	GEWICHT / WEIGHT
	P2	v	n2	F	T2			L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]	[A]	[mm]	[kg]
TM138.1	0,25 4-polig	0,14	19	1848	128	0,80	300	15
		0,17	23	1497	103			
		0,2	28	1232	85			
		0,22	30	1135	78			
		0,25	35	998	69			
		0,27	38	911	63			
		0,33	46	757	52			
		0,35	50	688	47			
		0,41	57	607	42			
		0,51	70	493	34			
		0,55	75	459	32			
		0,63	87	399	28			
		0,83	114	303	21			
		1,03	143	243	17			
		1,36	189	183	13			
TM138.1	0,37 4-polig	0,14	19	2735	189	1,10	300	15
		0,17	23	2216	153			
		0,2	28	1823	126			
		0,22	30	1680	116			
		0,25	35	1477	102			
		0,27	38	1348	93			
		0,33	46	1120	77			
		0,36	50	1018	70			
		0,41	57	898	62			
		0,51	70	729	50			
		0,55	75	679	47			
		0,63	87	591	41			
		0,83	114	448	31			
		1,03	143	359	25			
		1,36	189	271	19			
TM138.1	0,55 4-polig	0,2	28	2740	189	1,60	300	15
		0,22	30	2525	174			
		0,25	34	2220	153			
		0,27	38	2025	140			
		0,33	45	1683	116			
		0,36	50	1530	106			
		0,41	56	1350	93			
		0,5	69	1096	76			
		0,54	75	1020	70			
		0,62	86	888	61			
		0,82	113	673	46			
		1,02	141	540	37			
		1,35	187	408	28			



Leistungsdaten / Performance data Typ TM138

TYP	LEISTUNG / POWER	GESCHWINDIG- KEIT / BELT SPEED	DREHZAHL / ROTATION SPEED	BANDZUG- KRAFT / BELT PULL	TROMMEL MOMENT / TORQUE	STROMAUF- NAHME BEI / POWER INPUT AT 400V / 50Hz	TROMMEL- LÄNGE / DRUM LENGTH L min.	GEWICHT / WEIGHT
	P2	v	n2	F	T2			L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]	[A]	[mm]	[kg]
TM138.1	0,75 4-polig	0,32	44	2338	161	2,20	300	15
		0,35	49	2125	147			
		0,4	55	1875	129			
		0,49	68	1522	105			
		0,53	73	1417	98			
		0,61	84	1233	85			
		0,8	111	935	65			
		1	138	750	52			
		1,32	183	566	39			
TM138.1	0,75 2-polig	0,27	37	2802	193	1,90	300	15
		0,33	46	2270	157			
		0,4	56	1868	129			
		0,44	60	1721	119			
		0,5	69	1513	104			
		0,54	75	1381	95			
		0,65	90	1148	79			
		0,72	99	1043	72			
		0,81	113	920	64			
		1	139	747	52			
		1,08	149	696	48			
		1,24	171	605	42			
		1,63	226	459	32			
		2,04	282	368	25			
		2,7	373	278	19			
TM138.1	0,90 2-polig	0,33	46	2695	186	1,95	300	15
		0,41	56	2218	153			
		0,44	61	2044	141			
		0,5	69	1797	124			
		0,55	76	1639	113			
		0,66	91	1362	94			
		0,73	101	1239	85			
		0,82	114	1093	75			
		1,01	140	887	61			
		1,09	151	826	57			
		1,25	173	719	50			
		1,65	229	545	38			
		2,06	285	437	30			
		2,73	377	330	23			



Leistungsdaten / Performance data Typ TM138

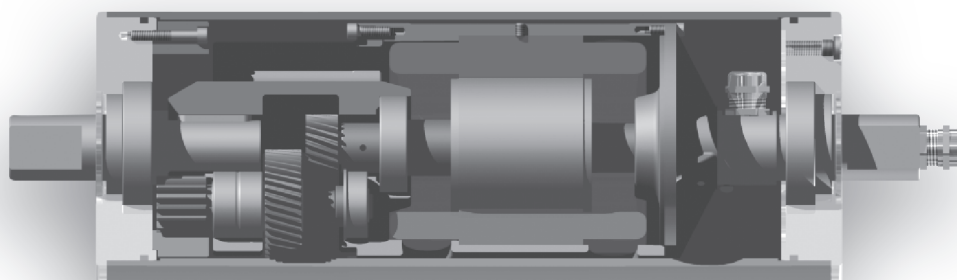
TYP	LEISTUNG / POWER	GESCHWINDIG- KEIT / BELT SPEED	DREHZAHL / ROTATION SPEED	BANDZUG- KRAFT / BELT PULL	TROMMEL MOMENT / TORQUE	STROMAUF- NAHME BEI / POWER INPUT AT 400V / 50Hz	TROMMEL- LÄNGE / DRUM LENGTH L min.	GEWICHT / WEIGHT
	P ₂	v	n ₂	F	T ₂			L=400mm
	[kW]	[m/s]	[1/min]	[N]	[Nm]	[A]	[mm]	[kg]
TM138.1	1,00 4-polig	0,32	45	2795	193	2,6	360	15
		0,35	49	2541	175			
		0,4	56	2241	155			
		0,49	68	1820	126			
		0,53	74	1694	117			
		0,61	85	1474	102			
		0,81	111	1118	77			
		1	139	897	62			
		1,33	184	677	47			

- abweichende Leistungsdaten und Geschwindigkeiten auf Anfrage
- Gewichtsangabe inkl. Ölfüllung (betriebsbereit)
- Mehrgewicht: ca. 2kg auf 100mm Mehrlänge
- bei Bremsanbau erhöht sich das L min. Maß um 100mm

**Normbreiten [L] : 300, 350, 400 ... 1000mm,
ab 1000mm verstärkte Ausführung**

- alternative performance data and speeds on request
- indication of weight incl. oil filling (ready for operating)
- additional weight: approx. 2kg for 100mm add. length
- with brake mounting L min. dimension raises up 100mm

*norm width [L] : 300, 350, 400 ... 1000mm,
from 1000mm reinforced construction*





Ausführungsarten und Optionen / Design types and options

STANDARDAUSFÜHRUNG

- ballig gedrehter Stahlmantel, stahlblank, mit Rostschutz überzogen
- Lagerenddeckel aus Aluminium
- Einspannzapfen aus Stahl, mit Rostschutz überzogen
- Stirnradgetriebe in Stahlverzahnung (geräuscharm)
- Gerade Verschraubung (inkl. 1,5 m Kabel)
- IP66

STANDARD CONFIGURATION

- crowned shell, mild steel with rust protection paint
- bearing covers made of aluminium
- shafts made of mild steel with rust protection paint
- helical gear unit with steel toothing (quiet)
- straight cable gland (with 1,5 m cable)
- IP66

OPTIONEN

- innenliegende Bremse
- mit Klemmenkasten
- Winkelverschraubung (mit 3m Kabel)
- Winkelverschraubung Edelstahl (mit 3m Kabel)
- Rechtwinklig-gerade Verschraubung (mit 3m Kabel)
- Rücklaufsperre (Kugellagerfreilauf)
- Kettenrad / Zahnriemenscheibe
- Sensorlagereinheit (Drehgeber)
- Trommelkörper zylindrisch, gummiert, verzinkt (kundenspezifisch)
- Edelstahlausführung
- Thermokontakte
- IP67
- geeignet für Frequenzumrichterbetrieb
- für Kunststoffmodulärbänder und Profilgummierungen
- Klemmenkastenausführung in Edelstahl
- vertikaler Einbau möglich (bei Bestellung angeben)
- Lebensmittelöl
- Einphasen-Wechselstrom Motoren auf Anfrage

Weitere Ausführungen nach Kundenwunsch möglich.

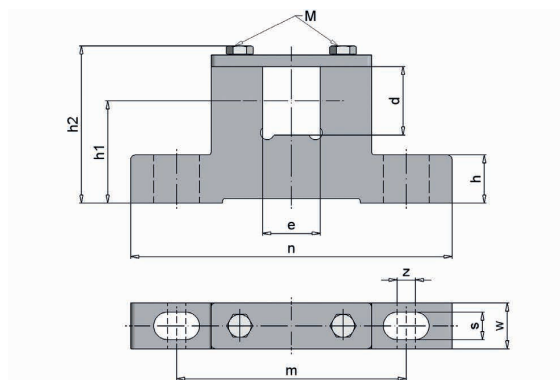
OPTIONS

- internal brake
- with terminal box
- angular cable gland (with 3m cable)
- angular cable gland stainless steel (with 3m cable)
- right angled-straight cable gland (with 3m cable)
- backstop
- sprocket / toothed belt disc
- sensor bearing unit (rotary encoder)
- cylindrical drum shell, coated, zinc plated (customised)
- stainless steel design
- thermal contact
- IP67
- suitable for frequency converter use
- for modular plastic conveyor belts and grooved rubber lagging
- terminal box design in stainless steel
- vertical mounting (should be stated in the order)
- food-safe lubricant
- single phase motors on request

Other designs on customer request possible.

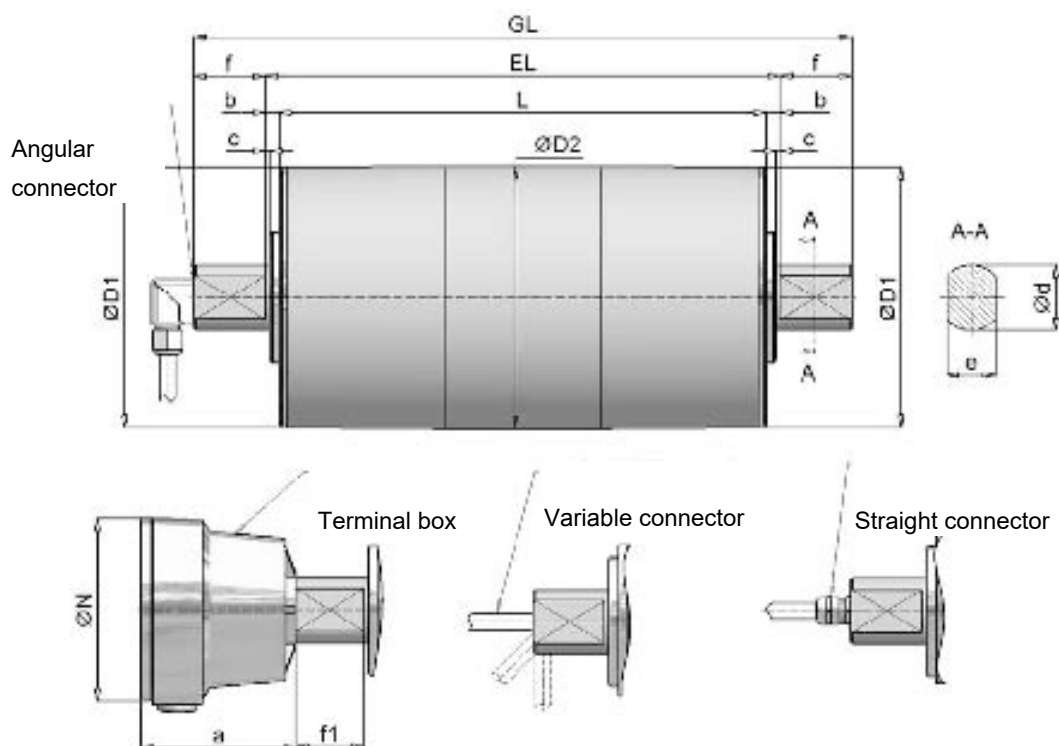
Einspannlager für HIMMEL® Trommelmotor / Umlenktrommel Typ 138

Clamping bearing for HIMMEL® Drum Motor / Guide Drum type 138

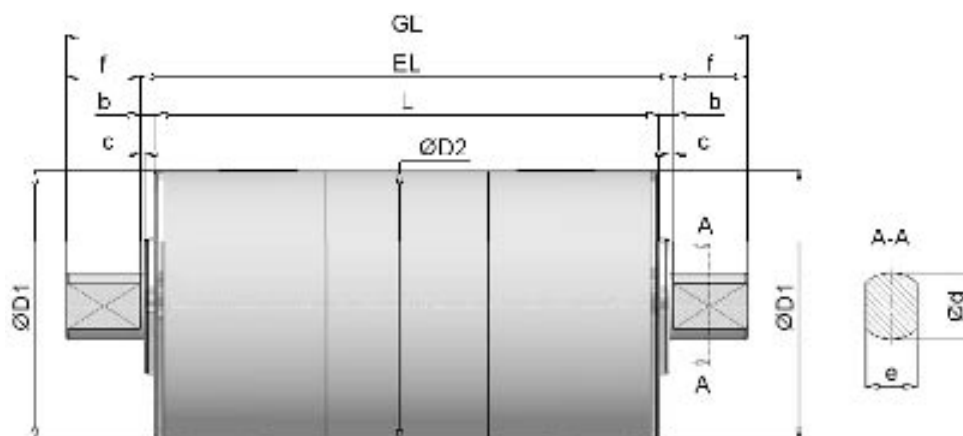


alle Maße in mm / dimensions in mm

TROMMELTYP / DRUM TYPE	EINSPANNLAGER / CLAMPING BEARING	d	e	h	h1	h2	m	n	s	w	z	M	MATERIAL / MATERIAL	ca. kg
TM138	EL30/20	30	20	21	44,5	68,5	100	140	12	24	8	M6	Stahl / Steel	0,7

**DRUM MOTOR SDS 160 (STANDARD)**

Drum motor data*											Standard IP 66		
Size	Type	ØD1	ØD2**	a	ØN	c	Ød	e	f	f1	c	EL	b
Ø160	SDS 160	160	161,5	95	112	2,5	40	30	44	44	8,5	L+29	14,5

GUIDE DRUM TYPE SDSL 160 (STANDARD)

Guide drum data*											Standard IP 66		
Size	Type	ØD1	ØD2**	a	ØN	c	Ød	e	f	f1	c	EL	b
Ø160	SDSL160	160	161,5	95	112	2,5	40	30	44	44	8,5	L+29	14,5

* All measurements in mm - ** Diameter for cylindrical shell



Type: SDS 160		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 400 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,09 8-pol.	0,06	7	1618	131	0,50	320	30,0
	0,07	8	1283	104			
	0,09	11	989	80			
	0,11	14	784	63			
	0,14	16	648	52			
	0,18	21	508	41			
	0,23	27	396	32			
	0,29	34	310	25			
0,12 4-pol.	0,12	14	1018	82	0,40	320	30,0
	0,15	18	807	65			
	0,19	23	623	50			
	0,24	29	493	40			
	0,29	35	408	33			
	0,38	44	320	26			
	0,48	57	249	20			
	0,61	73	195	16			
0,18 4-pol.	0,12	14	1549	125	0,55	320	30,0
	0,15	17	1228	99			
	0,19	22	947	76			
	0,24	28	751	61			
	0,29	34	620	50			
	0,37	44	486	39			
	0,47	56	379	31			
	0,61	72	297	24			
0,25 4-pol.	0,15	17	1718	139	0,80	320	31,0
	0,19	22	1325	107			
	0,24	28	1050	85			
	0,29	34	867	70			
	0,37	43	680	55			
	0,47	56	530	43			
	0,60	71	416	34			
0,37 4-pol.	0,19	22	1947	157	1,10	320	31,0
	0,24	28	1543	125			
	0,29	34	1275	103			
	0,37	44	999	81			
	0,47	56	779	63			
	0,61	72	611	49			



Type: SDS 160		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 400 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,55 4-pol.	0,29	34	1929	156	1,60	320	31,5
	0,36	43	1512	122			
	0,47	55	1179	95			
	0,60	70	924	75			
0,75 2-pol.	0,37	44	2009	162	1,90	320	32,0
	0,47	56	1592	129			
	0,57	67	1315	106			
	0,73	86	1031	83			
	0,93	110	804	65			
	1,19	141	630	51			

Standard lengths (L): 320, 350, 400...1350mm

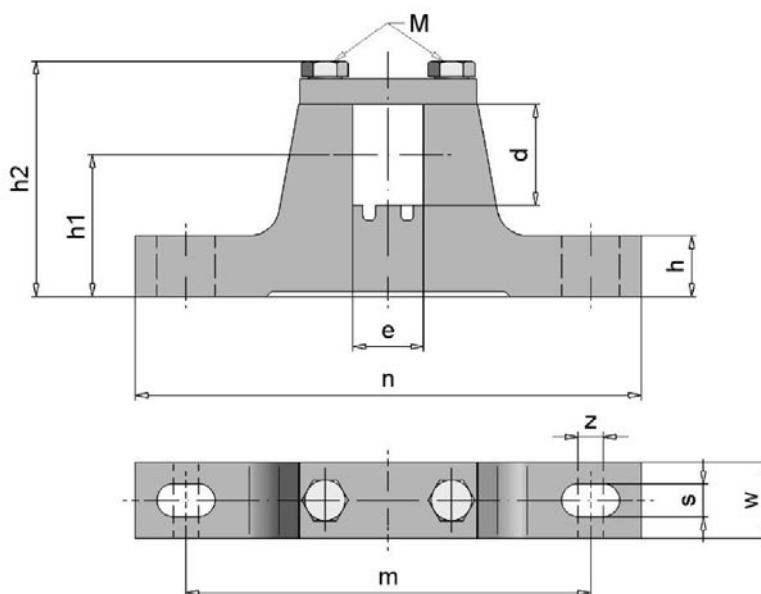
Other effects and speed combinations on request!

Ready for installation incl. oil.

The weight increases by approx. 3.0 kg/100 mm.

Description of standard motor

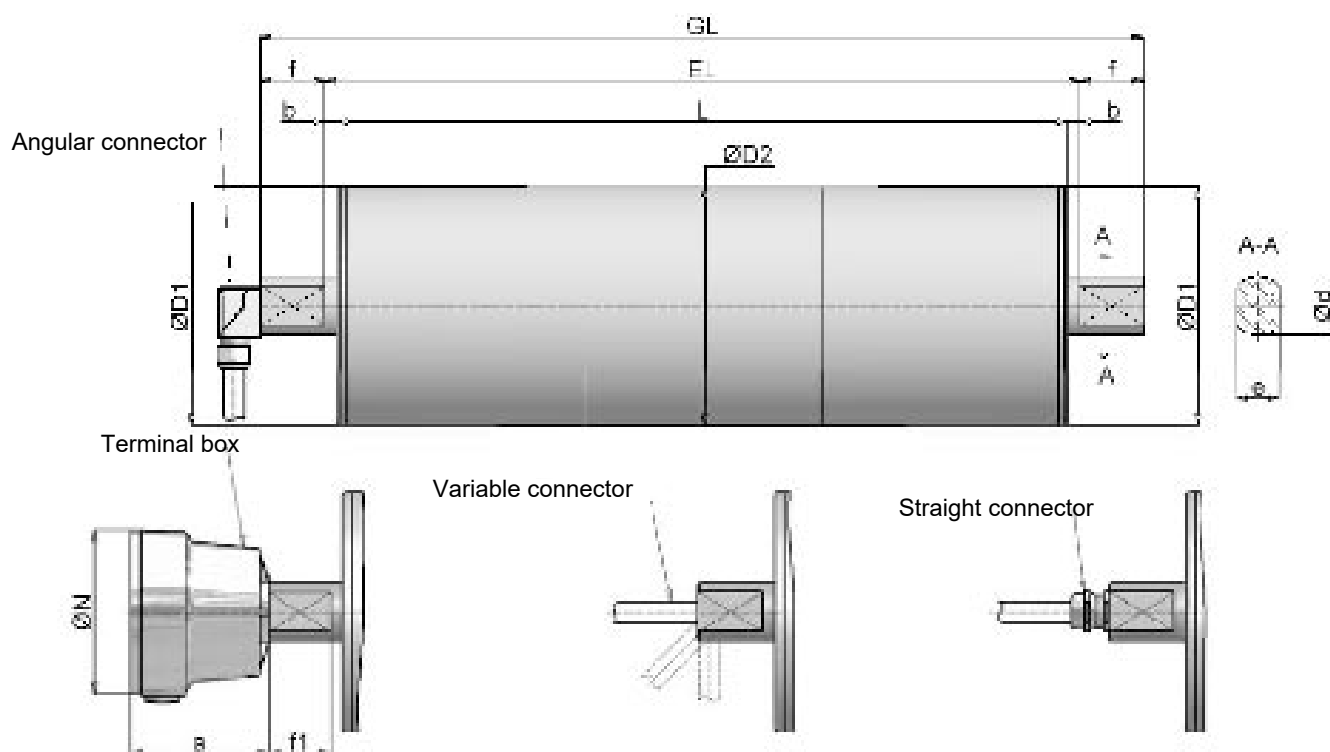
- shell with cambering
- aluminum cover
- helical steel gear
- 1.5 m shielded cable

**Clamping bearing***

Size	Type	d	e	h	h1	h2	m	n	s	w	Z	M	Material	Ca. kg
160	SDSL 160K	40	30	20	47	78,5	110	160	14	40	10	M8	Cast iron	1,5

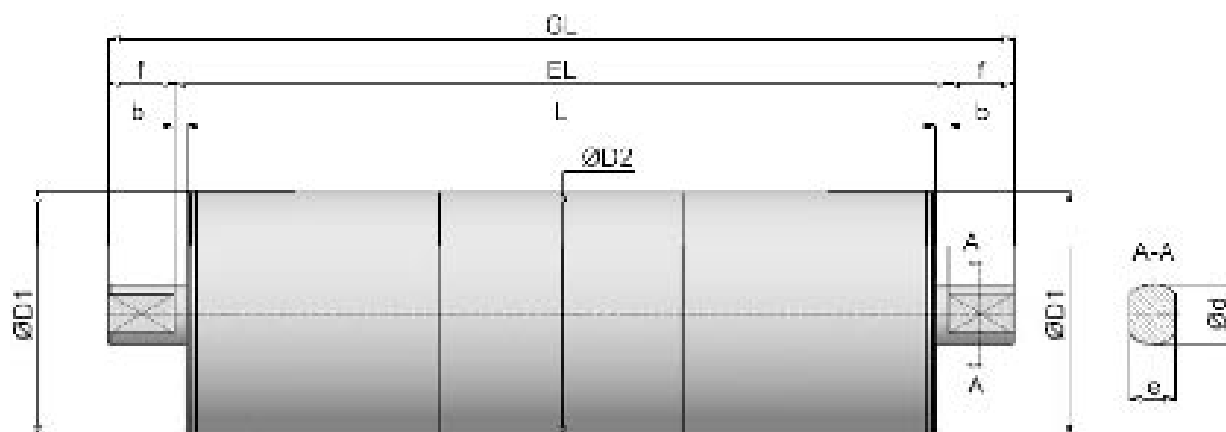
* All measurements are in mm

DRUM MOTOR SDS 165 (STANDARD)



Drum motor data*										Standard IP 66	
Str.	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø165	SDS 165	164	165	95	112	40	30	44	44	8,5	L+17

GUIDE DRUM TYPE SDSL 165 (STANDARD)



Guide drum data*										Standard IP 66	
Str.	Type	ØD1	ØD2**	a	ØN	Ød	e	f	f1	b	EL
Ø165	SDSL 165	164	165	-	-	40	30	44	-	8,5	L+17

*All measurements in mm - ** Diameter for cylindrical shell



Type: SDS 165		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 500 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
0,37 8-pol.	0,19	22	1911	158	1,50	400	44,0
	0,24	28	1573	130			
	0,28	33	1315	108			
	0,33	39	1111	92			
	0,39	45	946	78			
	0,46	53	810	67			
	0,54	63	682	56			
	0,66	76	562	46			
	0,79	91	470	39			
	0,93	108	397	33			
	1,09	127	338	28			
	1,28	148	289	24			
0,75 6-pol.	0,25	29	2947	246	2,20	400	44,0
	0,31	36	2427	200			
	0,37	43	2028	167			
	0,44	51	1714	141			
	0,51	59	1460	120			
	0,60	69	1249	103			
	0,71	82	1053	87			
	0,87	100	867	71			
	1,04	120	724	60			
	1,23	142	612	51			
	1,44	167	521	43			
	1,68	195	446	37			
1,10 4-pol.	0,39	45	2841	234	3,0	400	44,0
	0,47	54	2339	193			
	0,56	65	1955	161			
	0,67	77	1652	136			
	0,78	91	1407	116			
	0,91	106	1204	99			
	1,08	126	1014	84			
	1,32	152	835	69			
	1,58	182	698	58			
	1,86	216	590	49			
	2,19	253	502	41			
	2,56	296	430	35			



Type: SDS 165		Drum motor data					Weight
P2	V	n2	F	T2	I [400V]	L min.	L= 500 mm
[kW]	[m/s]	[1/min]	[N]	[Nm]	[Amp]	[mm]	[kg]
1,50 4-pol.	0,56	65	2656	219	3,60	425	47,0
	0,67	77	2245	185			
	0,78	91	1911	158			
	0,92	106	1636	135			
	1,09	126	1378	114			
	1,32	153	1135	94			
	1,58	183	949	78			
	1,87	217	802	66			
	2,20	254	683	56			
	2,57	297	584	48			
2,20 2-pol.	0,78	91	2805	231	4,30	425	47,0
	0,95	110	2310	191			
	1,14	132	1931	159			
	1,35	156	1632	135			
	1,58	183	1389	115			
	1,85	214	1189	98			
	2,20	254	1002	83			
	2,67	309	825	68			
	3,19	369	690	57			
	3,78	437	583	48			
	4,43	513	496	41			
	5,18	600	425	35			
3,00 2-pol.	0,78	91	3860	318	6,80	492	48,0
	0,94	110	3178	262			
	1,13	132	2656	219			
	1,34	156	2245	185			
	1,57	183	1911	158			
	1,83	214	1636	135			
	2,18	254	1378	114			
	2,64	309	1135	94			
	3,16	369	949	78			
	3,74	437	802	66			
	4,39	513	683	56			
	5,13	600	584	48			

Standard lengths: (L) 400, 425, 450...1300 mm

Other effects and speed combinations on request.

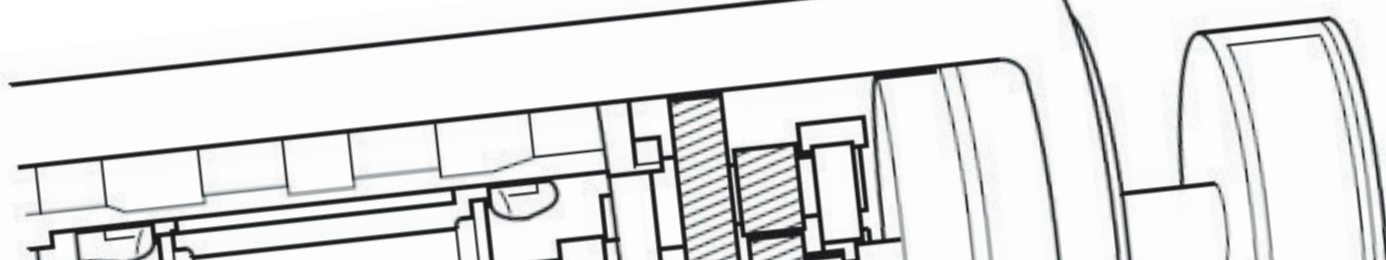
Weight ready for installation incl. oil.

The weight increases by approx. 3 kg/100 mm.

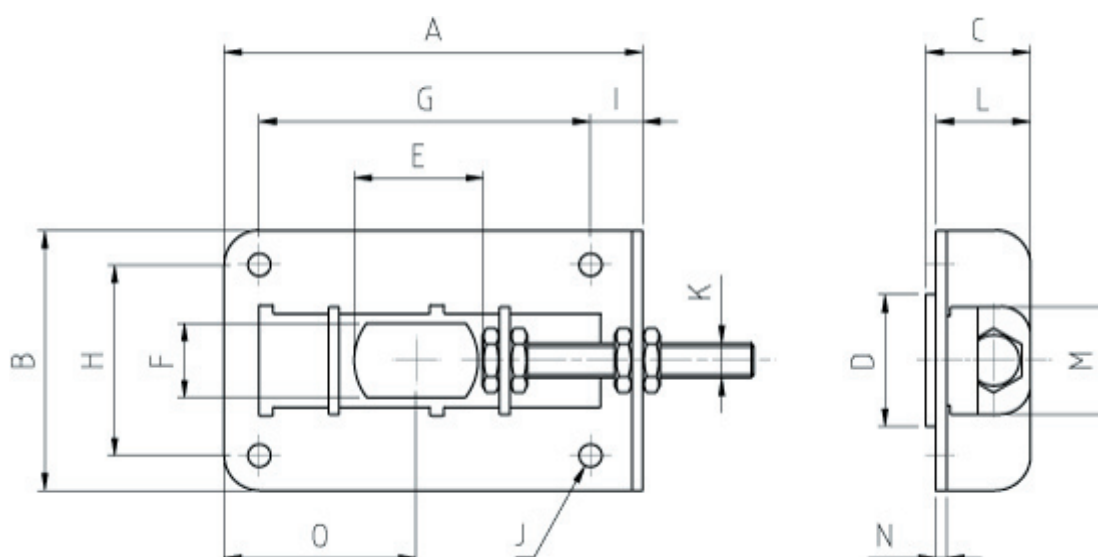
For electric brakes, a minimum length of 110 mm is added.

Description of standard engine

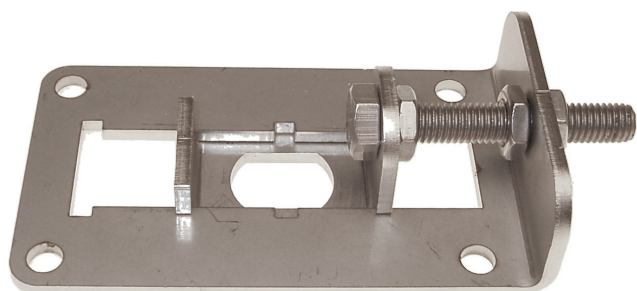
- shell with cambering
- aluminum cover
- helical steel gear
- 1.5 m shielded cable



SCANDRIVE® DRUM BRACKETS

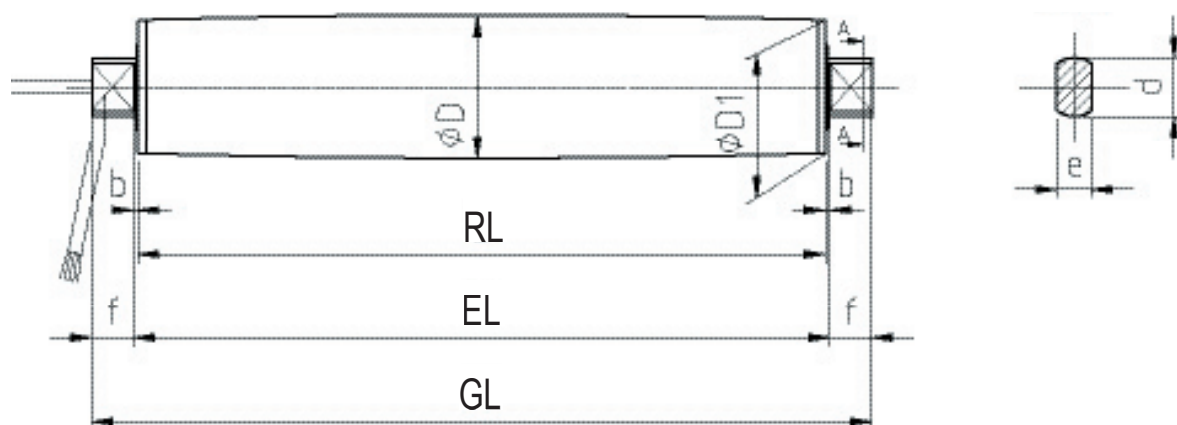


MOTOR-TYPE	Bracket	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O MIN/MAX
SDS Ø60	BL20/14	100	58	28	28	20,5	14,5	80	45	13,5	6,5	M8	25	24	3	35/68
SDS Ø80																
SDS Ø113	BL25/20	120	75	30	38	25,5	20,5	95	55	15	6,5	M10	27	31	3	38/81
SDS Ø138	BL30/20	120	75	30	38	30,5	20,5	95	55	15	6,5	M10	27	31	3	38/81
SDS Ø160	BL40/30	170	100	39	50	40,5	30,5	130	80	25	9	M12	35	42	4	53/115
SDS Ø165																
SDL Ø113	BL35/21	120	75	30	38	35,5	21,5	95	55	15	6,5	M10	27	31	3	38/81



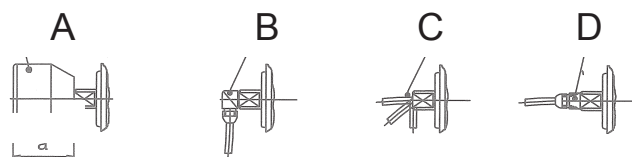
The drum brackets fit drum motors from Ø60 to Ø165, both **ScanDrive® S** and ScanDrive® L, but also drum motors from other suppliers
The fittings are delivered as standard in stainless steel.

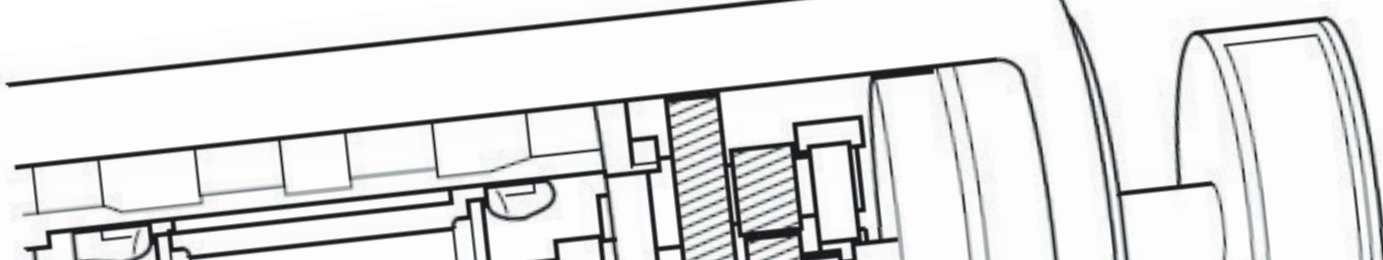
CHECKLIST DRUM MOTOR



		* Mandatory - IMPORTANT	
Diameters*:	$\varnothing D$: _____ $\varnothing D1$: _____	Lengths (mm)	GL: EL*: RL*:
Other measurements:	b: _____	f: _____	A: _____
	e*: _____	d*: _____	
Effect * (kW)		Backstop	Yes ☐ No ☐
Belt speed* (m/s)			
Belt pull (N)		Encoder	Yes ☐ No ☐
Drum speed (RPM)		Rubber coating	Yes ☐ No ☐
Moment (Nm)		Stainless steel	Yes ☐ No ☐
Voltage * (V)		Groove for profile	Yes ☐ No ☐
Current (Amp)		Additional information	
Phases:*			
Connector type*	A ☐ - B ☐ - C ☐ - D ☐	See sketch below	

Electrical Connections:





SCANDRIVE® TECHNICAL DATA

TECHNICAL DATA (continued)

VOLTAGE AND CONNECTION

When ordering a drum motor, state which voltage is used, so that a motor is not delivered with the wrong motor winding. **ScanDrive®** drum motors are supplied as standard with either 3x230V or 3x400V.

Special voltage and frequency can be supplied.

The power connection to the built-in electric motor is made by means of a cable that is routed through one axle. The mains connection is made to the fitted outgoing cable or the fitted terminal box.

Check that the available voltage corresponds to the consumption voltage of the motor. Installation must be done according to our connection manuals as well as local and national safety regulations.

FREQUENCY

All indications in the tables are related to a mains frequency of 50 Hz. By changing the frequency, the revolutions also change and therefore also the belt speed.

INSULATION OF MOTOR WINDING

Winding and insulation of the drum motor corresponds to insulation class F according to VDE 0530 (max. temp. 155 C).

THERMO SENSORS

ScanDrive® drum motors are equipped with thermosensors that protect the motor windings against overheating.

ELECTRIC BRAKES

ScanDrive® S drum motors can also be supplied with an electric brake. This applies to sizes from Ø80-Ø165. The electric brake is used in cases where the drum must stop completely immediately in the event of a power cut.

Note: When choosing an electric brake, the minimum length of the drum is increased.

BACKSTOP

All **ScanDrive®** drum motors from Ø80 can be supplied with backstop. The backstop is used during upward transport and prevents the belt from returning when the motor stops.

RUBBER COATING

ScanDrive® drum motors can be coated with rubber. In some cases, the thickness of the rubber must be taken into account, as this helps to insulate the motor.

The rubber coating can either be cold-glued or hot-vulcanized. There are several qualities and hardnesses to choose from, just as it is possible with profiles or special grinding.

Examples of rubber coating

White food grade rubber

- 3 mm smooth
- 5 mm smooth
- 8, 10, 12 mm with groove for profile
- For modular belts

Black rubber

- 3 mm smooth
- 6 mm smooth
- 6-8 mm waffle profile

Note: The peripheral speed of the motor is increased by rubber coating.

SPECIAL EXECUTIONS

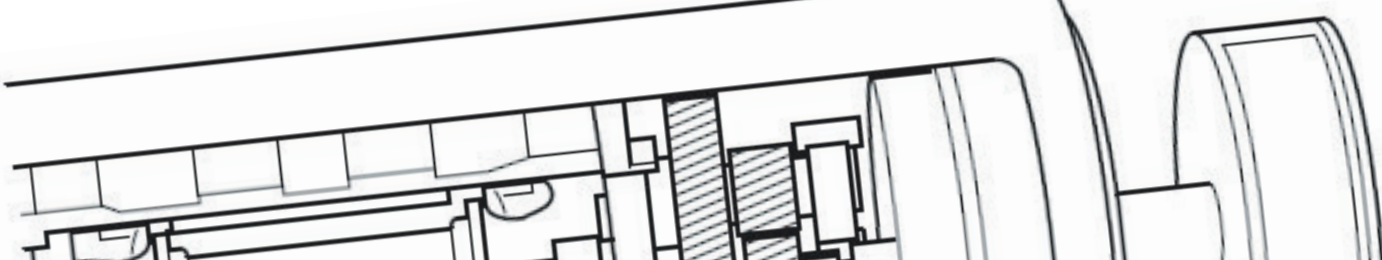
We are happy to custom manufacture engines, however, some special designs may result in a longer delivery time. Examples can be:

- Hot vulcanization of rubber coating.
- Special motor length or shaft size.
- Installation of traction wheels.
- Cylindrical shell.

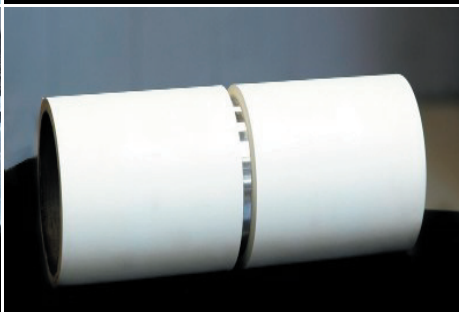
DELIVERY TERMS

Delivery of drum motors takes place in accordance with our sales and delivery conditions. All prices are ex works delivery excl. packaging.

We reserve the right to adjust classification, data, weight, etc. as part of our product development.



SPECIAL EXECUTIONS AND SERVICE OF ALL TYPES



CONTACT US FOR
SERVICE OR ORDERING
DRUM MOTOR TYPES,
NOT CONTAINED IN THIS
CATALOG



ELLEGAARD COMPONENTS A/S
Vennershåbvej 4 ■ DK-8800 Viborg

Product information

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www.ellegaard.com