



SEW
EURODRIVE

Addendum to the Catalog



DR2S.. Gearmotors

Torque Increase of Gear Units W..10, W..20, W..30



Inhaltsverzeichnis

1	Torque increase of gear units W..10, W..20, W..30	4
1.1	Overview of technical data	4
1.2	Overview of torque increase	4
2	Important information on selection tables and dimension drawings.....	6
2.1	Structure of the combination tables	6
2.2	Structure of the selection tables.....	7
2.3	Gearmotor dimension drawings	7
3	Geometrically possible combinations W.. DR2S.....	9
4	Selection tables for W.. DR2S.. in kW.....	11
5	Dimension sheets for W.. DR2S.. in mm.....	17

1 Torque increase of gear units W..10, W..20, W..30

SPIROPLAN® gear units have proven to be a reliable, wear-free, efficient, low-noise, and economic solution. Their compact design and aluminum housing as well as low weight makes them ideally suited for confined spaces.

New calculation methods, which have been approved and confirmed in extensive and intensive test procedures, and the utilization of new lubricants have increased the permitted torques of W10, W20, and W30 gear units by up to 115%. The power reserves of the gear units increase as a result. This means that now also smaller gear units can be used in some applications where this was not possible before.

This addendum to the catalog informs about geometrically possible combinations, selection tables, and dimension sheets for W10, W20, and W30 gear units with increased torque.

1.1 Overview of technical data

	Unit	Size		
		W..10	W..20	W..30
Gear unit ratio		6.75 – 75.00	6.57 – 75.00	6.57 – 75.00
Maximum output torque	Nm	≤ 30	≤ 45	≤ 70
Motor power range	kW	0.09 – 0.55	0.12 – 0.75	0.12 – 1.1

1.2 Overview of torque increase

W..10

Gear ratio i	M _{a_max} new Nm	Increase %
6.57	19	+58
8.20	23	+92
10.25	28	+115
14.33	24	+9
16.50	27	+35
19.50	30	+20
27.50	27	+13
35.50	28	+12
39.00	26	+4

W..20

Gear ratio i	M_{a_max} new Nm	Increase %
6.57	24	+20
8.20	29	+45
10.25	36	+44
14.33	45	+50
16.50	38	+27
19.50	42	+20

W..30

Gear ratio i	M_{a_max} new Nm	Increase %
6.57	62	+55
8.20	65	+63
10.25	63	+26
14.33	69	+15
16.33	68	+13

2 Important information on selection tables and dimension drawings

2.1 Structure of the combination tables

These tables show geometrically possible combinations of single-speed gear units and AC (brake) motors. Contact SEW-EURODRIVE for information on pole-changing AC (brake) motors.

The output speed n_a , the maximum output torque M_{amax} , the permitted overhung load F_{Ra} at maximum output torque (valid for foot-mounted gear units with solid shaft), the torsion angle φ (/R), and the gear unit ratio are specified for input speed $n_e = 1400 \text{ min}^{-1}$ for each combination.

Only if a value is specified for the torsion angle $\varphi_{(/R)}$, is the gear unit with this gear unit ratio available with "reduced backlash (/R)" option. The numerical value specifies the rotational clearance of the reduced backlash version in angular minutes ' (tolerance ± 2 angular minutes).

W20, $n_e = 1400 \text{ min}^{-1}$					45 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(/R)}$ '	i	DR2S	80MK
					63MS 63M 71MS 71M	
 1						
19	40	2200	-	75.00*		
23	40	2200	-	75.00*		

Gear unit ratio:

A value marked with * indicates a finite gear unit ratio.

No data (-): The reduced backlash option (/R) is not possible for this i value.

Numerical value given: Reduced backlash option is possible.

The numerical value specifies the rotational clearance of the reduced backlash version in angular minutes with a tolerance of ± 2 angular minutes.

Permitted overhung load at maximum output torque M_{amax}

The value refers to the foot-mounted gear unit design with solid shaft

Maximum output torque of the gear unit

Output speed of the gear unit



Combination with the motor in the header is possible



Combination with the motor in the header is not possible

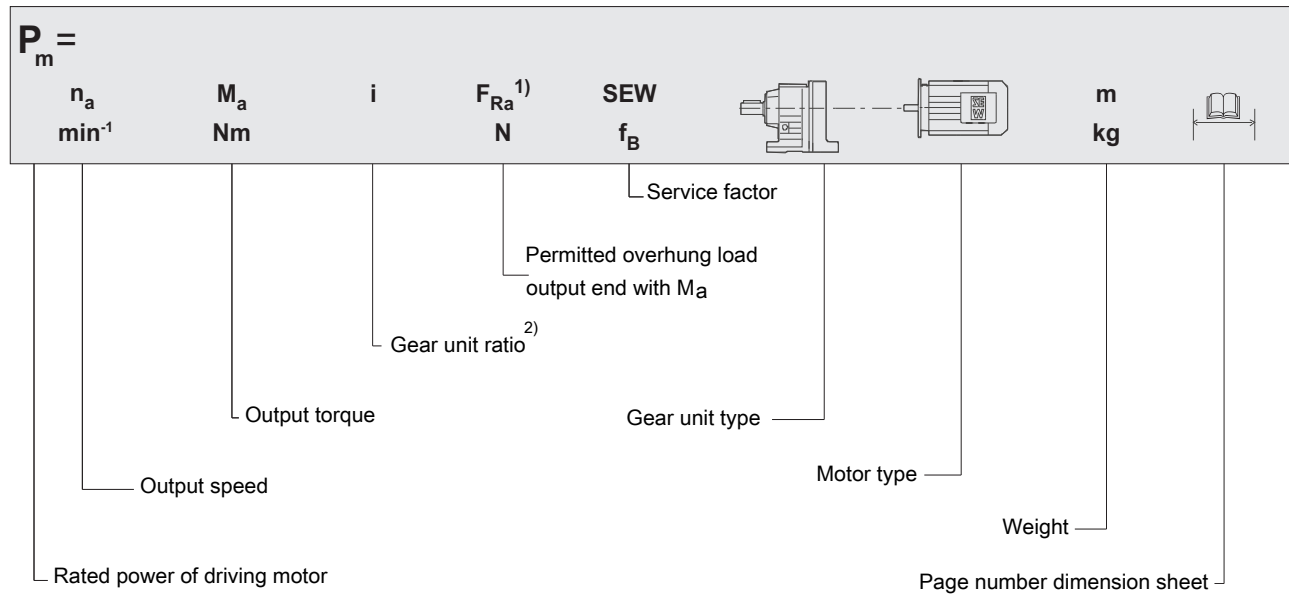
31399752203



Stages of the gear ratios: SPIROPLAN® gear units W..10 – W..30 are always 1-stage gear units.

2.2 Structure of the selection tables

The following figure shows the structure of the selection tables for gearmotors.



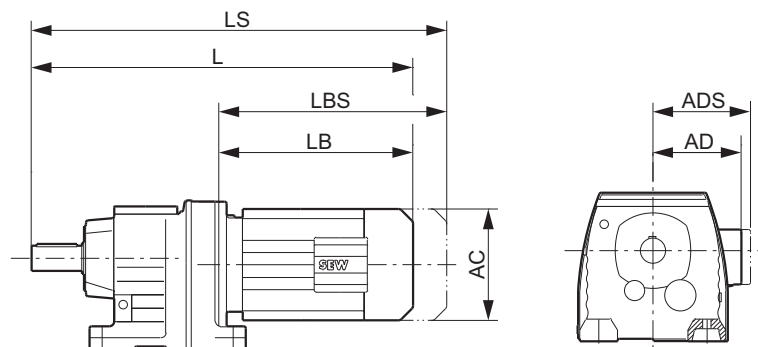
25524649995

¹⁾ Overhung load for foot-mounted gear units with solid shaft; overhung loads for other design types upon request

²⁾ A value marked with * indicates a finite gear unit ratio.

2.3 Gearmotor dimension drawings

The dimension drawings of the gearmotors are described below:



8671113739

- L Total length of gearmotor
- LS Total length of gearmotor including brake
- LB Length of motor
- LBS Length of brakemotor
- AC Diameter of motor
- AD Center of motor shaft to top part of terminal box
- ADS Center of brakemotor shaft to top part of terminal box

**INFORMATION**

The motor dimensions may change when installing motor options. Refer to the dimension drawings of the motor options in the "AC Motors" catalog.

**INFORMATION**

The terminal box dimensions in special designs might vary from the standard.

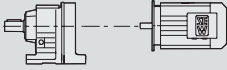
3 Geometrically possible combinations W.. DR2S..

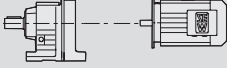
W10, $n_e=1400 \text{ min}^{-1}$					30 Nm
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DR2S 56M 63MS 63M 71MS 71M
 1					
19	25	1800	-	75.00*	
23	25	1800	-	60.00*	
29	25	1800	-	48.00*	
36	26	1800	-	39.00*	
43	28	1800	-	32.50*	
51	27	1800	-	27.50*	
57	25	1800	-	24.50*	
72	30	1800	-	19.50*	
85	27	1800	-	16.50*	
98	24	1800	-	14.33	
137	28	1800	-	10.25*	
171	23	1730	-	8.20*	
213	19	1670	-	6.57	

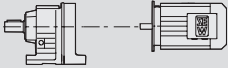
W20, n _e =1400 min ⁻¹					45 Nm	
n _a min ⁻¹	M _{amax} Nm	F _{Ra} N	Φ _(/R) '	i	DR2S	DR2S
					63MS 63M 71MS 71M	80MK
 1						
19	40	2200	-	75.00*		
23	40	2200	-	60.00*		
29	40	2200	-	48.00*		
36	40	2200	-	39.00*		
43	40	2200	-	32.50*		
51	40	2200	-	27.50*		
57	40	2200	-	24.50*		
72	42	2190	-	19.50*		
85	38	2090	-	16.50*		
98	45	1920	-	14.33		
137	36	1790	-	10.25*		
171	29	1730	-	8.20*		
213	24	1700	-	6.57		

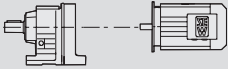
W30, $n_e=1400 \text{ min}^{-1}$					70 Nm	
n_a min^{-1}	M_{amax} Nm	F_{Ra} N	$\varphi_{(R)}$ °	i	DR2S 63MS 63M 71MS 71M	DR2S 80M 80MK
 1						
19	70	3000	-	75.00*		
23	70	3000	-	60.00*		
29	70	3000	-	48.00*		
36	70	3000	-	39.00*		
43	70	3000	-	32.50*		
51	70	3000	-	27.50*		
57	70	3000	-	24.50*		
72	70	3000	-	19.50*		
86	68	3000	-	16.33		
98	69	3000	-	14.33		
137	63	2860	-	10.25*		
171	65	2610	-	8.20*		
213	62	2450	-	6.57		

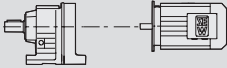
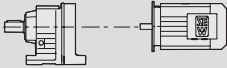
4 Selection tables for W.. DR2S.. in kW

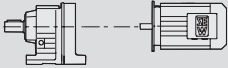
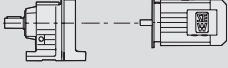
P_m = 0.09 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
18	19	75.00*	1800	1.30					
23	17	60.00*	1800	1.50					
29	15	48.00*	1800	1.65					
35	14	39.00*	1800	1.85					
42	13	32.50*	1800	2.2					
50	11	27.50*	1800	2.4	W	10	DR2S	56MR4	5.3
56	10	24.50*	1800	2.4	WF	10	DR2S	56MR4	5.5
71	8.9	19.50*	1800	3.4	WA	10	DR2S	56MR4	5.3
84	8.0	16.50*	1800	3.4	WAF	10	DR2S	56MR4	5.5
96	7.1	14.33	1800	3.4					
135	5.5	10.25*	1800	5.1					
168	4.5	8.20*	1800	5.1					
210	3.7	6.57	1800	5.1					

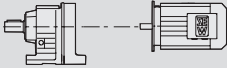
P_m = 0.12 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
12	42	75.00*	3000	1.70					
14	39	60.00*	3000	1.80	W	30	DR2S	63MR6	10.0
18	34	48.00*	3000	2.1	WF	30	DR2S	63MR6	10
22	31	39.00*	3000	2.3	WA	30	DR2S	63MR6	9.7
27	26	32.50*	3000	2.7	WAF	30	DR2S	63MR6	10.0
32	24	27.50*	3000	2.9					
18	28	75.00*	3000	2.5	W	30	DR2S	63MSR4	9.1
23	26	60.00*	3000	2.7	WF	30	DR2S	63MSR4	9.5
29	23	48.00*	3000	3.1	WA	30	DR2S	63MSR4	8.8
35	20	39.00*	3000	3.4	WAF	30	DR2S	63MSR4	9.2
42	17	32.50*	3000	4.1					
12	37	75.00*	2200	1.10					
14	33	60.00*	2200	1.25	W	20	DR2S	63MR6	7.5
18	30	48.00*	2200	1.30	WF	20	DR2S	63MR6	7.7
22	28	39.00*	2200	1.45	WA	20	DR2S	63MR6	7.2
27	28	32.50*	2200	1.45	WAF	20	DR2S	63MR6	7.2
32	23	27.50*	2200	1.75					
18	25	75.00*	2200	1.60					
23	22	60.00*	2200	1.80					
29	20	48.00*	2200	1.95					
35	19	39.00*	2200	2.2					
42	18	32.50*	2200	2.2	W	20	DR2S	63MSR4	6.7
50	15	27.50*	2200	2.6	WF	20	DR2S	63MSR4	6.8
56	14	24.50*	2200	2.9	WA	20	DR2S	63MSR4	6.4
71	12	19.50*	2200	3.5	WAF	20	DR2S	63MSR4	6.4
84	10	16.50*	2200	3.7					
96	9.6	14.33	2200	4.7					
135	7.2	10.25*	2160	5.0					
168	5.9	8.20*	2020	4.9					
210	4.9	6.57	1890	4.9					
32	22	27.50*	1800	1.20	W	10	DR2S	63MR6	6.8
					WF	10	DR2S	63MR6	7.0
					WA	10	DR2S	63MR6	6.8
					WAF	10	DR2S	63MR6	7.0

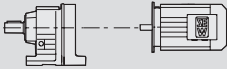
P_m = 0.12 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
29	20	48.00*	1800	1.25	W	10	DR2S	63MSR4	6.0
35	19	39.00*	1800	1.40					
42	17	32.50*	1800	1.65					
50	15	27.50*	1800	1.80					
56	14	24.50*	1800	1.80					
71	12	19.50*	1800	2.5					
84	11	16.50*	1800	2.5					
96	9.5	14.33	1800	2.5					
135	7.3	10.25*	1800	3.8					
168	6.0	8.20*	1800	3.8					
210	5.0	6.57	1800	3.8	WF	10	DR2S	63MSR4	6.2
17	27	75.00*	1800	0.95	WA	10	DR2S	56M4	5.3
22	23	60.00*	1800	1.05					
27	21	48.00*	1800	1.15					
33	20	39.00*	1800	1.30					
40	18	32.50*	1800	1.55					
47	16	27.50*	1800	1.70					
53	15	24.50*	1800	1.70					
66	13	19.50*	1800	2.4					
78	11	16.50*	1800	2.4					
90	10	14.33	1800	2.4					
126	7.8	10.25*	1800	3.6	WAF	10	DR2S	56M4	5.5
157	6.4	8.20*	1800	3.6					
196	5.3	6.57	1800	3.6					

P_m = 0.18 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
11	63	75.00*	3000	1.10	W	30	DR2S	63M6	10.0
14	59	60.00*	3000	1.20					
18	52	48.00*	3000	1.35					
22	47	39.00*	3000	1.50					
26	39	32.50*	3000	1.80					
31	37	27.50*	3000	1.90	WF	30	DR2S	63M6	10.0
18	43	75.00*	3000	1.60	WA	30	DR2S	63MS4	9.1
22	40	60.00*	3000	1.75					
28	35	48.00*	3000	2.0					
34	32	39.00*	3000	2.2					
41	27	32.50*	3000	2.6					
48	25	27.50*	3000	2.8	WAF	30	DR2S	63MS4	9.5
54	23	24.50*	3000	3.0					
68	20	19.50*	3000	3.6					
81	17	16.33	3000	4.0					
93	15	14.33	3000	4.5					
130	11	10.25*	3000	5.5	WAF	30	DR2S	63MS4	9.2
162	9.4	8.20*	3000	6.9					
202	7.9	6.57	2970	7.8					
111	12	24.50*	3000	6.0	W	30	DR2S	63MSR2	9.1
140	9.9	19.50*	3000	7.1					
167	8.5	16.33	3000	8.0					
190	7.7	14.33	3000	9.0					
266	5.7	10.25*	2720	11					
332	4.7	8.20*	2540	14	WF	30	DR2S	63MSR2	9.2
415	4.0	6.57	2360	16					
14	50	60.00*	2200	0.80	W	20	DR2S	63M6	7.5
18	46	48.00*	2200	0.85					
22	42	39.00*	2200	0.95					
26	42	32.50*	2200	0.95					
31	35	27.50*	2200	1.15					
35	32	24.50*	2200	1.25					
44	28	19.50*	2200	1.50					

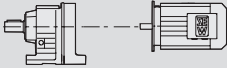
P_m = 0.18 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
18	39	75.00*	2200	1.00	W	20	DR2S	63MS4	6.7
22	34	60.00*	2200	1.15					
28	31	48.00*	2200	1.25					
34	29	39.00*	2200	1.40					
41	28	32.50*	2200	1.40					
48	24	27.50*	2200	1.70					
54	21	24.50*	2200	1.85					
68	18	19.50*	2200	2.3					
81	16	16.50*	2200	2.4					
93	15	14.33	2200	3.0					
130	11	10.25*	2140	3.2					
162	9.2	8.20*	2000	3.2	WF	20	DR2S	63MS4	6.8
202	7.7	6.57	1890	3.1	WA	20	DR2S	63MS4	6.4
					WAF	20	DR2S	63MS4	6.4
111	11	24.50*	2200	3.6	W	20	DR2S	63MSR2	6.7
140	9.4	19.50*	2090	4.5					
165	8.2	16.50*	1980	4.7					
190	7.5	14.33	1900	6.0					
266	5.6	10.25*	1720	6.5					
332	4.6	8.20*	1610	6.4					
415	3.8	6.57	1510	6.3	WF	20	DR2S	63MSR2	6.8
					WA	20	DR2S	63MSR2	6.4
					WAF	20	DR2S	63MSR2	6.4
28	31	48.00*	1800	0.80	W	10	DR2S	63MS4	6.0
34	29	39.00*	1800	0.90					
41	26	32.50*	1800	1.05					
48	23	27.50*	1800	1.15					
54	22	24.50*	1800	1.15					
68	18	19.50*	1800	1.65					
81	16	16.50*	1800	1.65					
93	15	14.33	1800	1.60					
130	11	10.25*	1800	2.5					
162	9.3	8.20*	1800	2.5					
202	7.7	6.57	1800	2.5					
190	7.5	14.33	1800	3.2	WF	10	DR2S	63MSR2	6.2
266	5.7	10.25*	1650	4.9	WA	10	DR2S	63MSR2	6.0
332	4.7	8.20*	1540	4.9	WAF	10	DR2S	63MSR2	6.2
415	3.9	6.57	1450	4.9					
P_m = 0.25 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
12	85	75.00*	3000	0.85	W	30	DR2S	71MS6	11
15	79	60.00*	3000	0.90					
19	69	48.00*	3000	1.00					
23	63	39.00*	3000	1.10					
28	53	32.50*	3000	1.35					
33	49	27.50*	3000	1.40					
37	46	24.50*	3000	1.50					
46	39	19.50*	3000	1.80	WF	30	DR2S	71MS6	11
18	60	75.00*	3000	1.15	W	30	DR2S	63M4	10.0
22	56	60.00*	3000	1.25					
28	49	48.00*	3000	1.45					
34	44	39.00*	3000	1.60					
41	37	32.50*	3000	1.90					
48	34	27.50*	3000	2.0					
54	32	24.50*	3000	2.2					
68	27	19.50*	3000	2.6					
81	23	16.33	3000	2.9					
93	21	14.33	3000	3.2					
130	16	10.25*	3000	4.0					
162	13	8.20*	3000	5.0					
202	11	6.57	2950	5.7					
					WF	30	DR2S	63M4	10
					WA	30	DR2S	63M4	9.7
					WAF	30	DR2S	63M4	10.0

P_m = 0.25 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
107	17	24.50*	3000	4.1	W WF WA WAF	30	DR2S	63MS2	9.1
134	14	19.50*	3000	4.9					9.5
160	12	16.33	3000	5.5					8.8
182	11	14.33	3000	6.2					9.2
255	8.3	10.25*	2740	7.6					
318	6.8	8.20*	2550	9.6					
397	5.7	6.57	2380	11					
22	47	60.00*	2200	0.85	W WF WA WAF	20	DR2S	63M4	7.5
28	44	48.00*	2200	0.90					7.7
34	40	39.00*	2200	1.00					7.2
41	39	32.50*	2200	1.00					7.2
48	33	27.50*	2200	1.20					
54	30	24.50*	2200	1.35					
68	26	19.50*	2200	1.65					
81	22	16.50*	2200	1.70					
93	21	14.33	2200	2.2					
130	15	10.25*	2080	2.3					
162	13	8.20*	1960	2.3					
202	11	6.57	1860	2.2					
80	21	32.50*	2200	1.90	W WF WA WAF	20	DR2S	63MS2	6.7
95	18	27.50*	2200	2.3					6.8
107	16	24.50*	2200	2.5					6.4
134	14	19.50*	2060	3.1					6.4
158	12	16.50*	1960	3.2					
182	11	14.33	1890	4.2					
255	8.1	10.25*	1720	4.5					
318	6.6	8.20*	1610	4.4					
397	5.5	6.57	1510	4.3					
48	32	27.50*	1800	0.85	W WF WA WAF	10	DR2S	63M4	6.8
54	30	24.50*	1800	0.85					7.0
68	26	19.50*	1800	1.15					6.8
81	23	16.50*	1800	1.20					7.0
93	21	14.33	1800	1.15					
130	16	10.25*	1800	1.80					
162	13	8.20*	1800	1.80					
202	11	6.57	1780	1.75					
182	11	14.33	1800	2.2	W	10	DR2S	63MS2	6.0
255	8.3	10.25*	1640	3.4	WF	10	DR2S	63MS2	6.2
318	6.8	8.20*	1540	3.4	WA	10	DR2S	63MS2	6.0
397	5.6	6.57	1450	3.4	WAF	10	DR2S	63MS2	6.2
P_m = 0.37 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
22	81	60.00*	3000	0.85	W WF WA WAF	30	DR2S	71MS4	11
28	71	48.00*	3000	1.00					11
35	64	39.00*	3000	1.10					10
42	54	32.50*	3000	1.30					11
49	50	27.50*	3000	1.40					
55	47	24.50*	3000	1.50					
69	40	19.50*	3000	1.75					
83	34	16.33	3000	2.0					
94	31	14.33	3000	2.2					
132	23	10.25*	3000	2.7					
165	19	8.20*	3000	3.4					
205	16	6.57	2890	3.9					

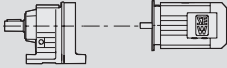
P_m = 0.37 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
108	25	24.50*	3000	2.8	W WF WA WAF	30	DR2S	63M2	10.0
136	21	19.50*	3000	3.4					
163	18	16.33	3000	3.8					
185	16	14.33	2960	4.3					
259	12	10.25*	2690	5.2					
324	9.8	8.20*	2510	6.6	W WF WA WAF	30	DR2S	63M2	10.0
404	8.3	6.57	2340	7.5					
49	48	27.50*	2200	0.85					
55	44	24.50*	2200	0.90					
69	37	19.50*	2200	1.10					
82	33	16.50*	2190	1.15	W WF WA WAF	20	DR2S	71MS4	8.1
94	30	14.33	2140	1.50					
132	23	10.25*	1980	1.60					
165	19	8.20*	1880	1.55					
205	16	6.57	1810	1.55					
108	23	24.50*	2080	1.70	W WF WA WAF	20	DR2S	63M2	7.5
136	20	19.50*	1960	2.1					
161	17	16.50*	1880	2.2					
185	16	14.33	1820	2.9					
259	12	10.25*	1660	3.1					
324	9.6	8.20*	1560	3.0	W WF WA WAF	20	DR2S	63M2	7.2
404	8.1	6.57	1480	3.0					
69	37	19.50*	1800	0.80					
82	33	16.50*	1800	0.80					
94	30	14.33	1800	0.80					
132	23	10.25*	1800	1.20	W WF WA WAF	10	DR2S	71MS4	7.4
165	19	8.20*	1800	1.20					
205	16	6.57	1720	1.20					
185	16	14.33	1740	1.50					
259	12	10.25*	1590	2.3					
324	9.8	8.20*	1500	2.3	W WF WA WAF	10	DR2S	63M2	6.8
404	8.2	6.57	1420	2.3					

P_m = 0.55 kW									
n_a min⁻¹	M_a Nm	i	F_{Ra}¹⁾ N	SEW f_B					m kg
133	34	10.25*	3000	1.85	W WF WA WAF	30	DR2S	71M4	12
166	28	8.20*	2990	2.3					
207	24	6.57	2810	2.6					
115	35	24.50*	3000	2.0					
145	29	19.50*	3000	2.4	W WF WA WAF	30	DR2S	71MR2	12
173	25	16.33	2930	2.7					
197	23	14.33	2830	3.0					
276	17	10.25*	2580	3.7					
345	14	8.20*	2420	4.7					
430	12	6.57	2260	5.3	W WF WA WAF	30	DR2S	71MR2	12
70	55	19.50*	2040	0.75					
82	48	16.50*	1970	0.80					
95	44	14.33	1950	1.00					
133	33	10.25*	1840	1.10					
166	27	8.20*	1770	1.05	W WF WA WAF	20	DR2S	71M4	9.1
207	23	6.57	1730	1.05					
115	33	24.50*	1900	1.25					
145	28	19.50*	1810	1.50					
171	24	16.50*	1740	1.60					
197	22	14.33	1690	2.0	W WF WA WAF	20	DR2S	71MR2	9.3
276	16	10.25*	1560	2.2					
345	13	8.20*	1480	2.2					
430	11	6.57	1420	2.1					

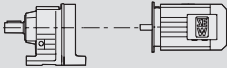
P_m = 0.55 kW

n_a min ⁻¹	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg
133	34	10.25*	1750	0.85	W	10	DR2S	71M4	8.6
166	28	8.20*	1690	0.85	WF	10	DR2S	71M4	8.8
207	23	6.57	1650	0.80	WA	10	DR2S	71M4	8.6
					WAF	10	DR2S	71M4	8.8

P_m = 0.75 kW

n_a min ⁻¹	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg
58	91	24.50*	3000	0.75	W WF WA WAF	30	DR2S	80MK4	14
72	77	19.50*	3000	0.90					
86	66	16.33	3000	1.00					
98	60	14.33	3000	1.15					
138	45	10.25*	3000	1.40					
172	37	8.20*	2870	1.75	W WF WA WAF	30	DR2S	80MK4	14
215	31	6.57	2710	2.0					
113	48	24.50*	3000	1.45					
142	41	19.50*	2970	1.70					
169	35	16.33	2850	1.95					
193	32	14.33	2760	2.2	W WF WA WAF	30	DR2S	71M2	12
269	24	10.25*	2540	2.7					
337	19	8.20*	2390	3.4					
420	16	6.57	2240	3.8					
138	44	10.25*	1680	0.80					
172	36	8.20*	1640	0.80	W WF WA WAF	20	DR2S	80MK4	11
215	30	6.57	1640	0.80					

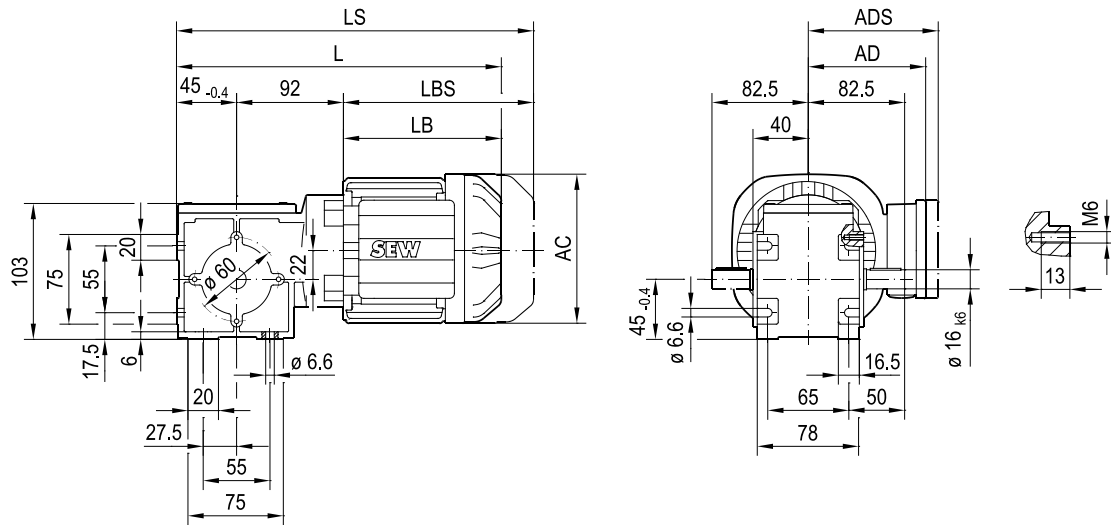
P_m = 1.1 kW

n_a min ⁻¹	M_a Nm	i	$F_{Ra}^{1)}$ N	SEW f_B					m kg
99	88	14.33	2940	0.80	W	30	DR2S	80M4	17
138	66	10.25*	2820	0.95	WF	30	DR2S	80M4	18
173	54	8.20*	2700	1.20	WA	30	DR2S	80M4	17
215	46	6.57	2580	1.35	WAF	30	DR2S	80M4	17
171	50	16.33	2670	1.35	W WF WA WAF	30	DR2S	80MS2	14
195	46	14.33	2600	1.50					
273	34	10.25*	2430	1.85					
341	28	8.20*	2300	2.3					
426	23	6.57	2170	2.6					

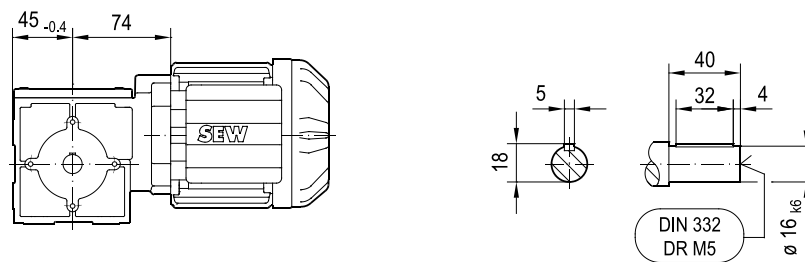
5 Dimension sheets for W.. DR2S.. in mm

20 006 00 18

W10..



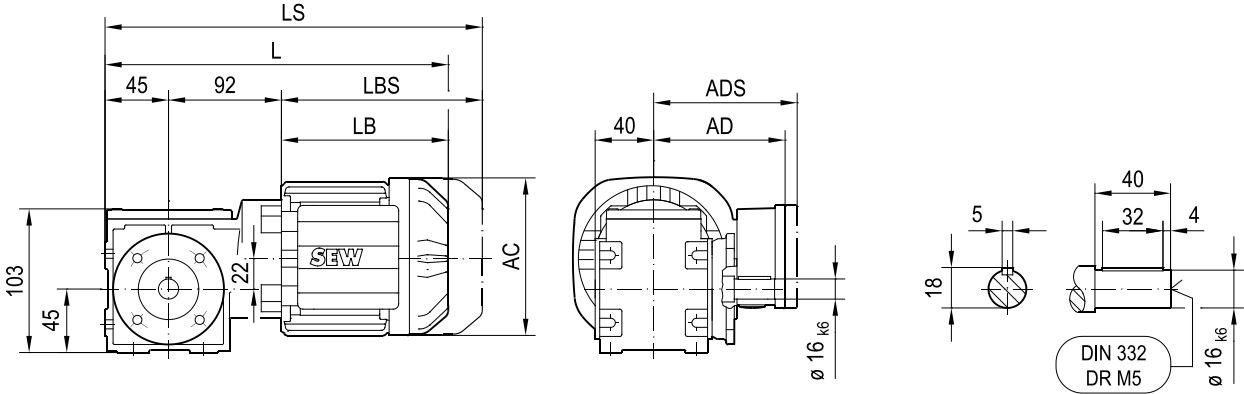
DR2S56..



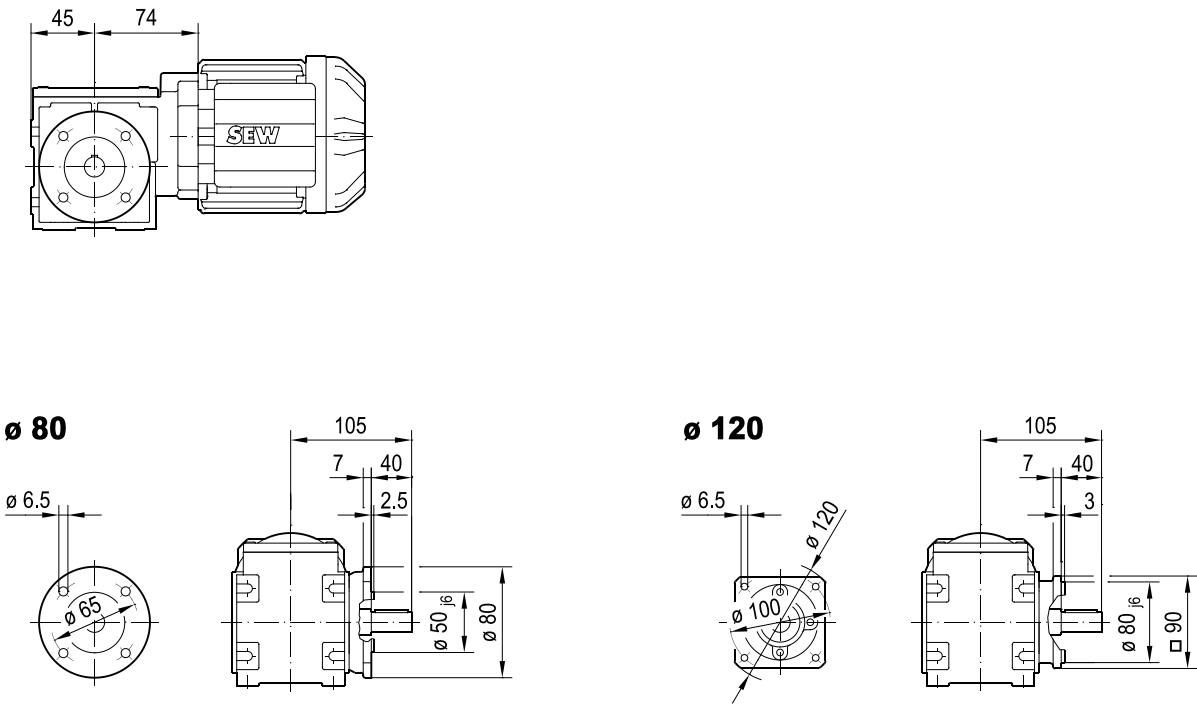
(→ 7.3)	DR2S							
	56..	63MS	63M	71MS	71M			
AC	109	115	115	139	139			
AD	87	98	98	118	118			
ADS	87	98	98	129	129			
L	255	285	299	301	321			
LS	291	341	355	368	388			
LB	136	148	162	164	184			
LBS	172	204	218	231	251			

WF10..

20 007 00 18



DR2S56..

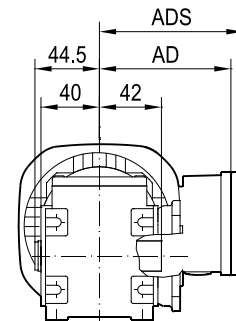
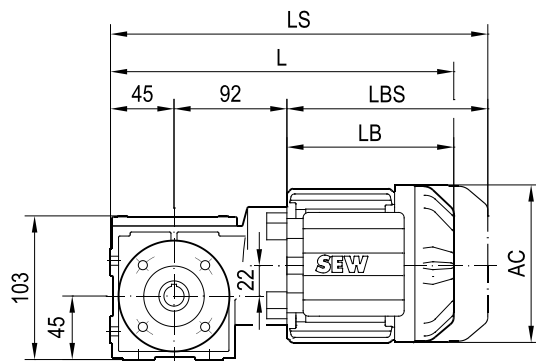


(→ 7.3)	DR2S							
	56..	63MS	63M	71MS	71M			
AC	109	115	115	139	139			
AD	87	98	98	118	118			
ADS	87	98	98	129	129			
L	255	285	299	301	321			
LS	291	341	355	368	388			
LB	136	148	162	164	184			
LBS	172	204	218	231	251			

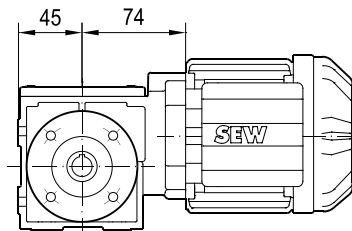
29194253/EN – 02/2020

WAF10..

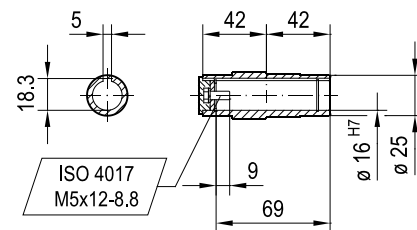
20 008 00 18



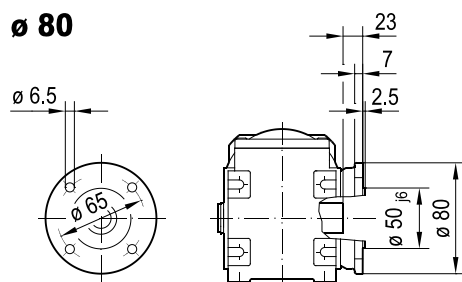
DR2S56..



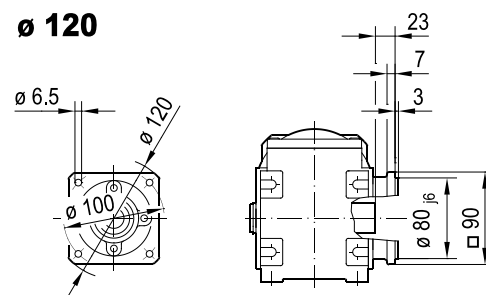
ø 16 H7



ø 80



ø 120

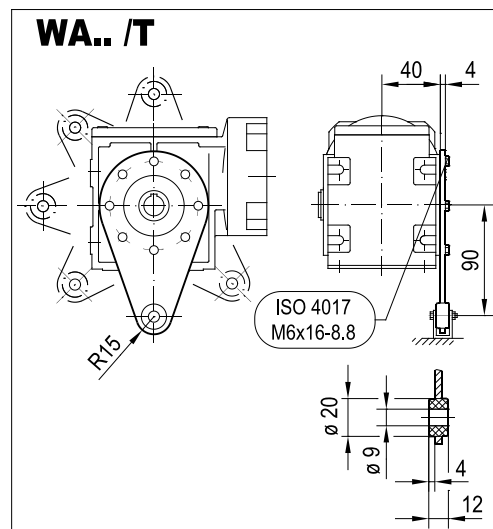
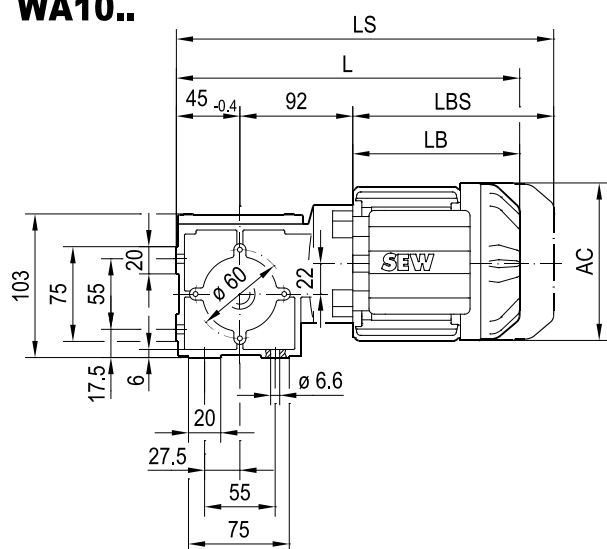


29194253/EN – 02/2020

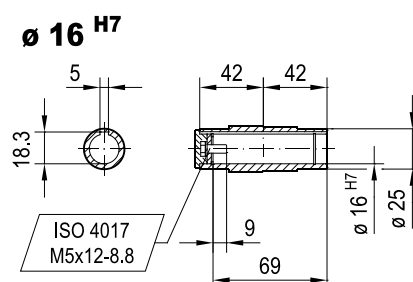
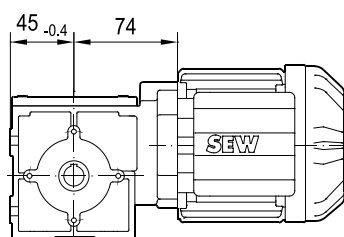
(→ 7.3)	DR2S							
	56..	63MS	63M	71MS	71M			
AC	109	115	115	139	139			
AD	87	98	98	118	118			
ADS	87	98	98	129	129			
L	255	285	299	301	321			
LS	291	341	355	368	388			
LB	136	148	162	164	184			
LBS	172	204	218	231	251			

20 009 00 18

WA10..



DR2S56..

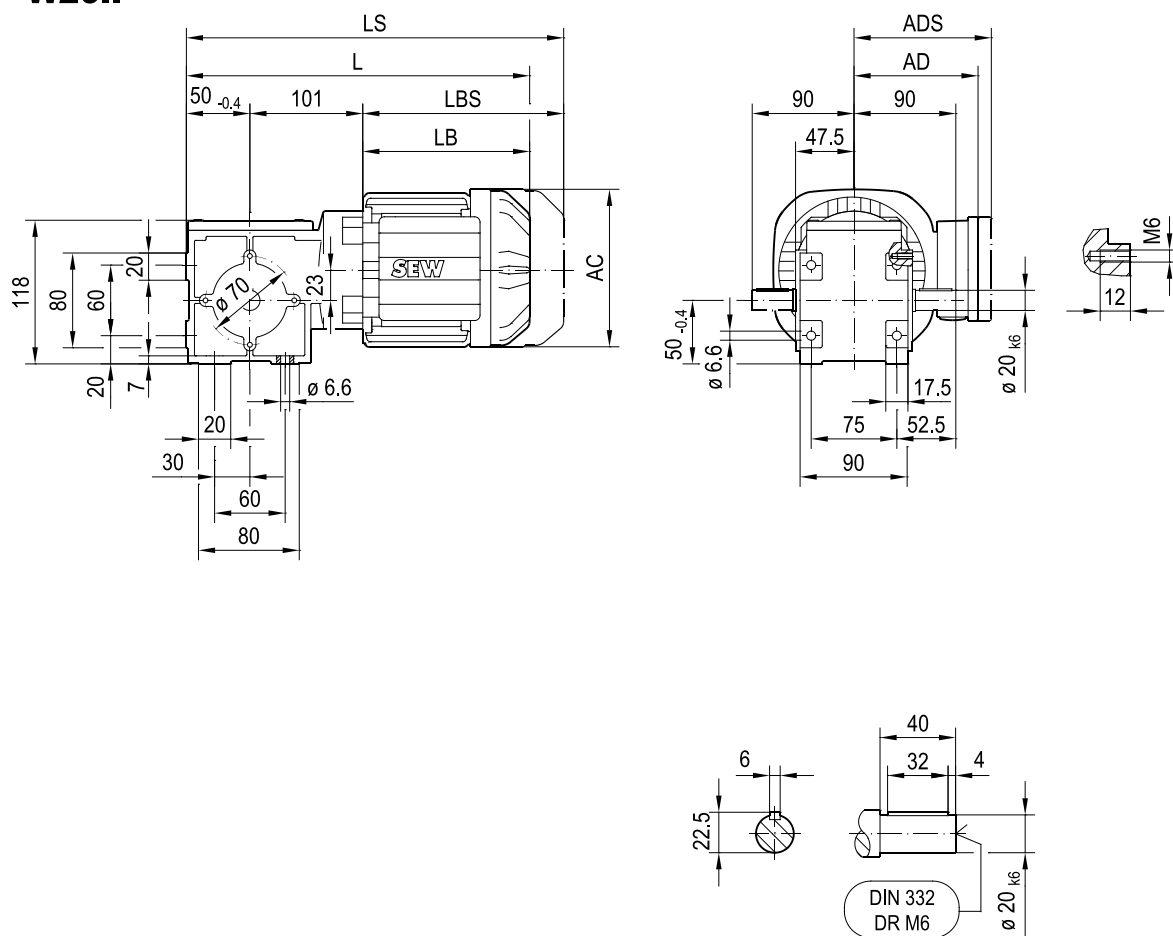


7.3	DR2S							
	56..	63MS	63M	71MS	71M			
AC	109	115	115	139	139			
AD	87	98	98	118	118			
ADS	87	98	98	129	129			
L	255	285	299	301	321			
LS	291	341	355	368	388			
LB	136	148	162	164	184			
LBS	172	204	218	231	251			

29194253/EN – 02/2020

W20..

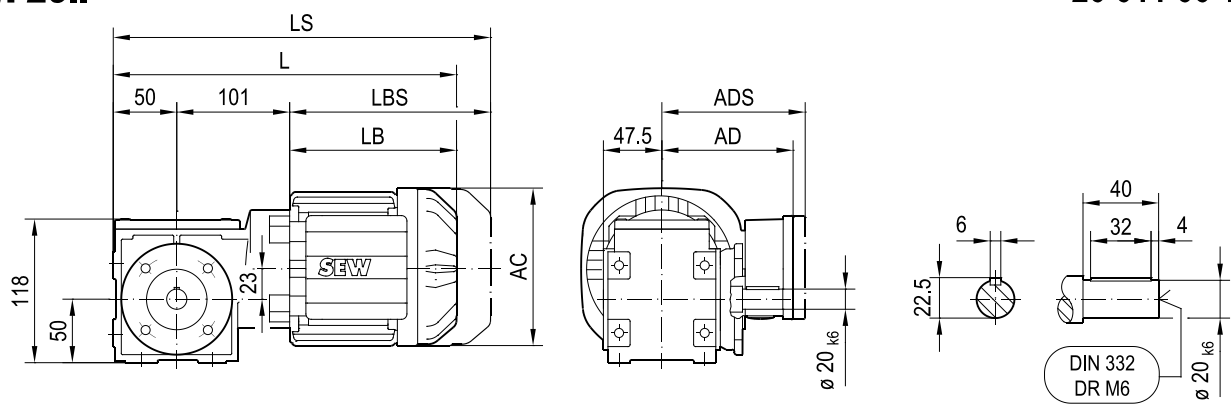
20 010 00 18



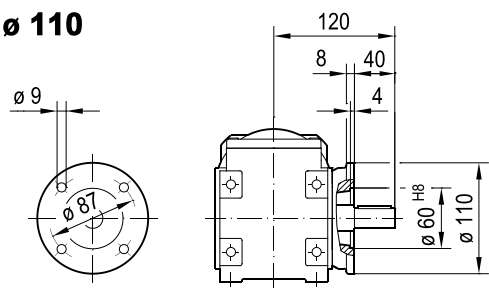
(→ 📖 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK			
AC	115	115	139	139	156			
AD	98	98	118	118	128			
ADS	98	98	129	129	139			
L	299	313	315	335	340			
LS	355	369	382	402	421			
LB	148	162	164	184	189			
LBS	204	218	231	251	270			

WF20..

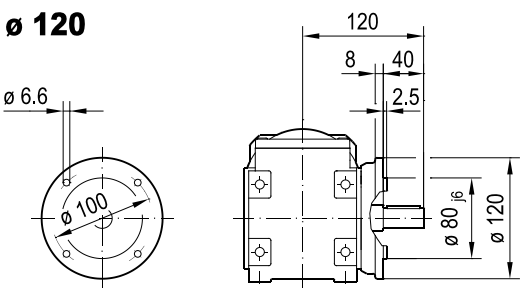
20 011 00 18



ø 110



ø 120

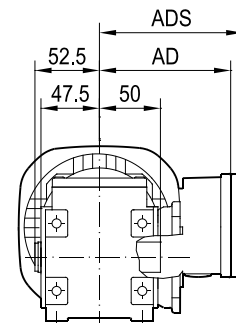
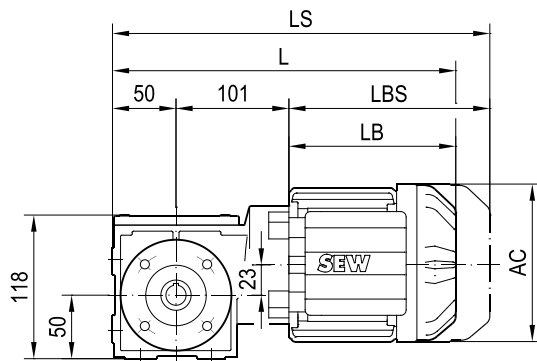
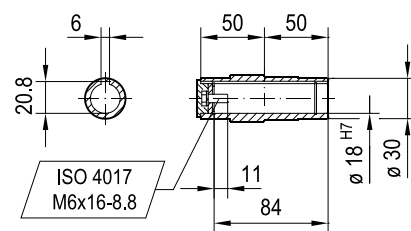
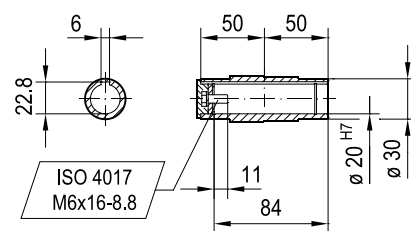
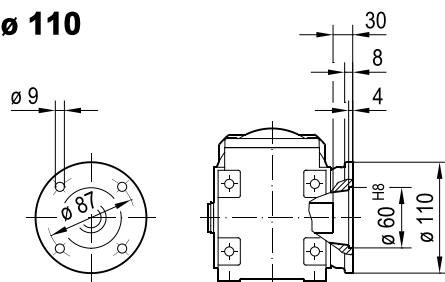
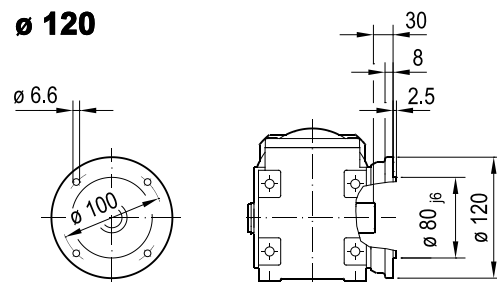


(→ 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK			
AC	115	115	139	139	156			
AD	98	98	118	118	128			
ADS	98	98	129	129	139			
L	299	313	315	335	340			
LS	355	369	382	402	421			
LB	148	162	164	184	189			
LBS	204	218	231	251	270			

29194253/EN – 02/2020

WAF20..

20 012 00 18

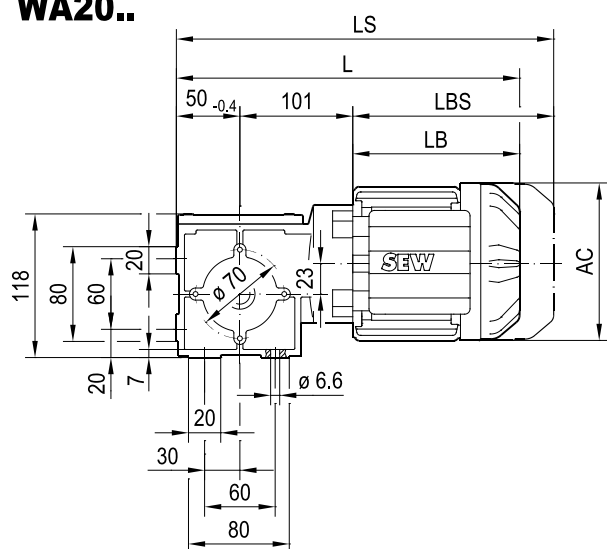

 $\varnothing 18^{H7}$

 $\varnothing 20^{H7}$

 $\varnothing 110$

 $\varnothing 120$


29194253/EN – 02/2020

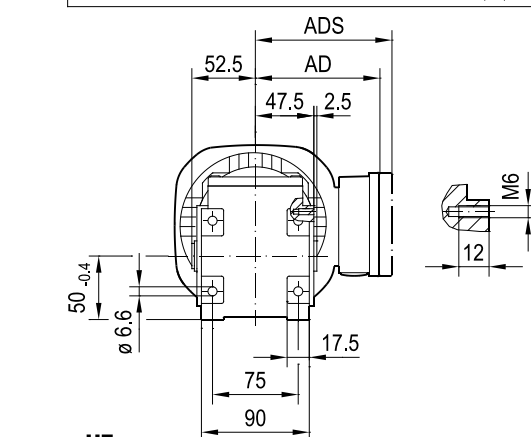
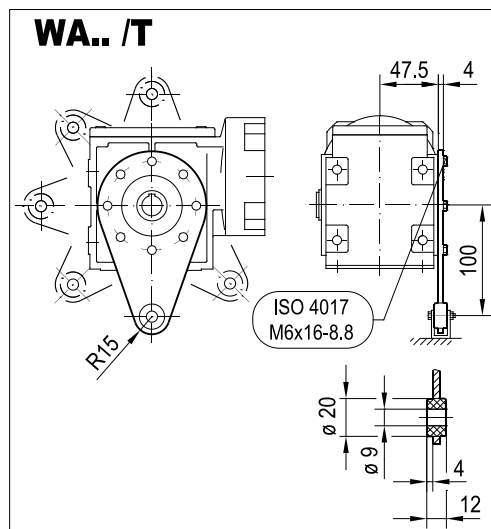
(→ 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK			
AC	115	115	139	139	156			
AD	98	98	118	118	128			
ADS	98	98	129	129	139			
L	299	313	315	335	340			
LS	355	369	382	402	421			
LB	148	162	164	184	189			
LBS	204	218	231	251	270			

20 013 00 18

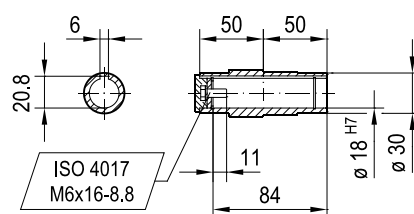
WA20..



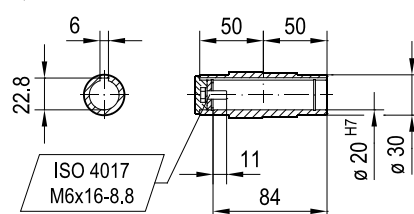
WA.. /T



ø 18 H7



ø 20 H7

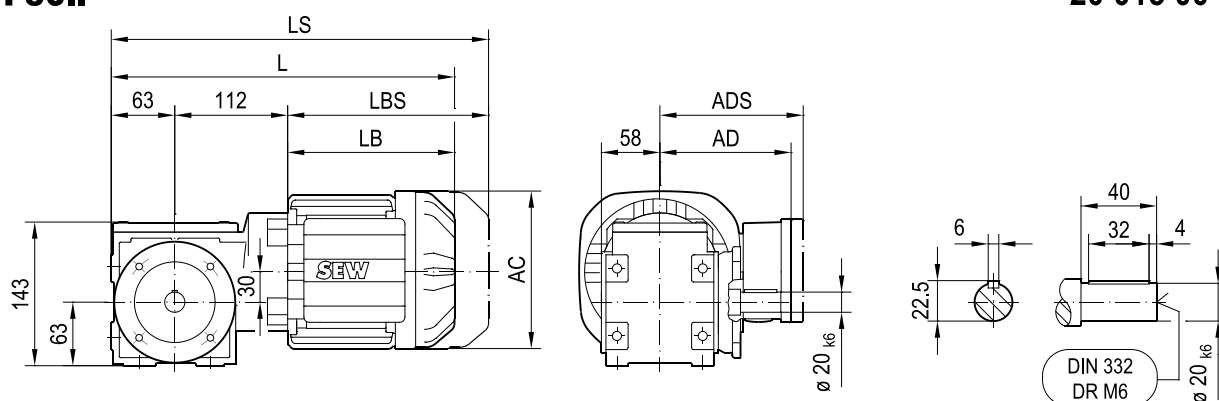


(→ 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK			
AC	115	115	139	139	156			
AD	98	98	118	118	128			
ADS	98	98	129	129	139			
L	299	313	315	335	340			
LS	355	369	382	402	421			
LB	148	162	164	184	189			
LBS	204	218	231	251	270			

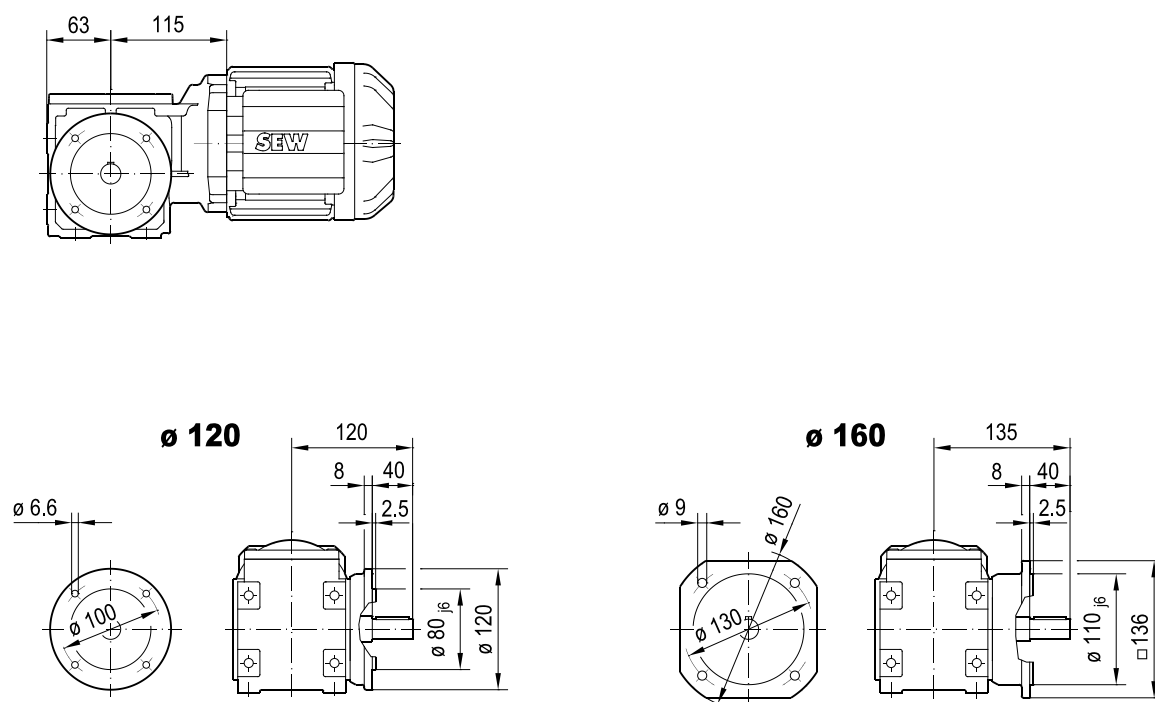
29194253/EN – 02/2020

WF30..

20 015 00 18



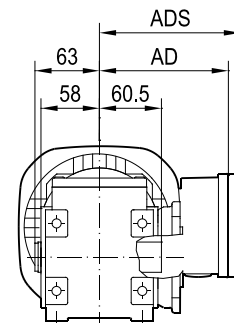
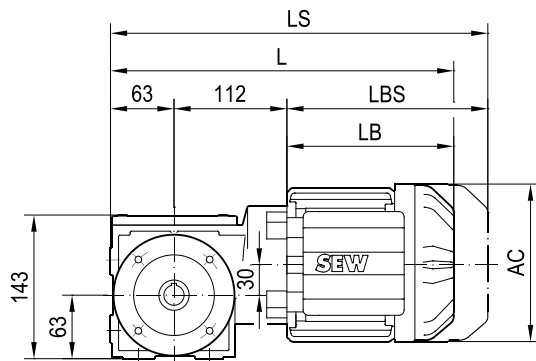
DR2S80..



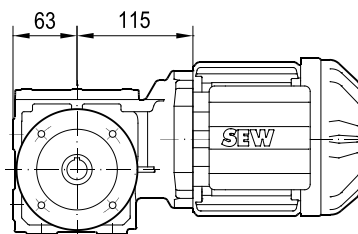
(→ 📖 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK	80MS	80M	
AC	115	115	139	139	156	156	156	
AD	98	98	118	118	128	128	128	
ADS	98	98	129	129	139	139	139	
L	323	337	339	359	364	382	410	
LS	379	393	406	426	445	463	491	
LB	148	162	164	184	189	207	235	
LBS	204	218	231	251	270	288	316	

WAF30..

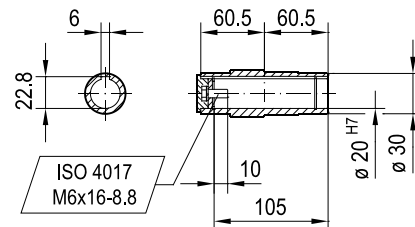
20 016 00 18



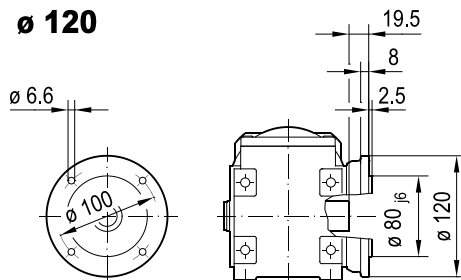
DR2S80..



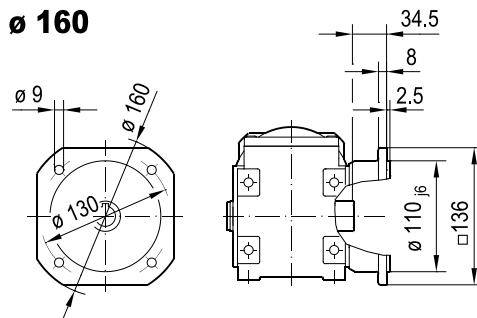
ø 20 H7



ø 120



ø 160

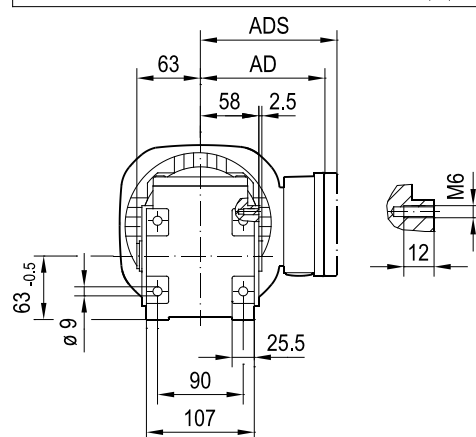
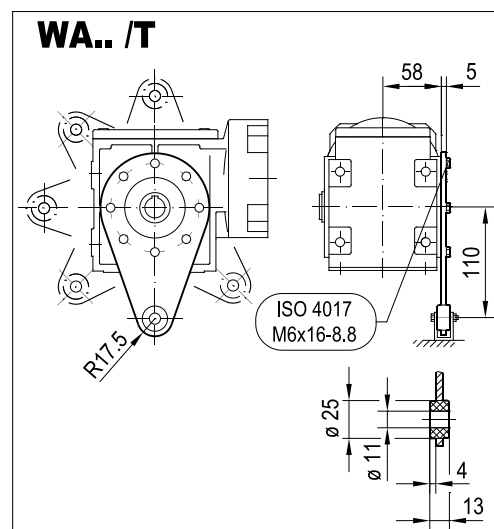
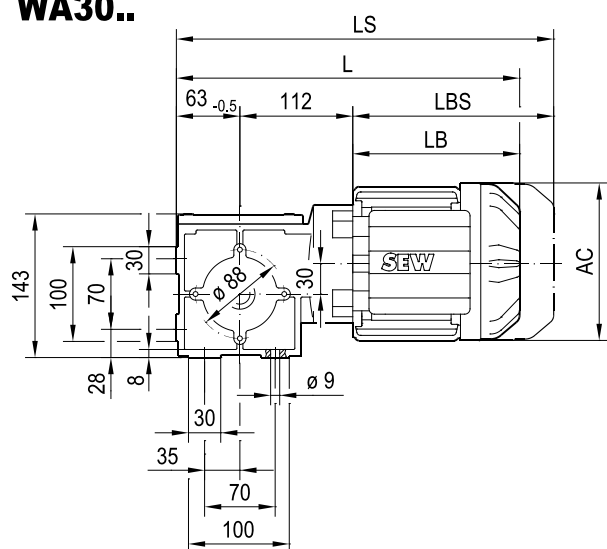


29194253/EN – 02/2020

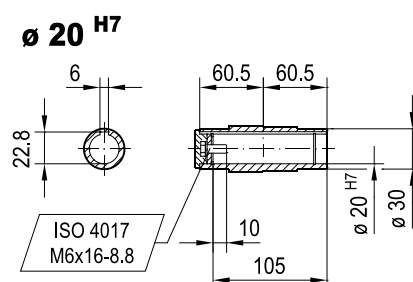
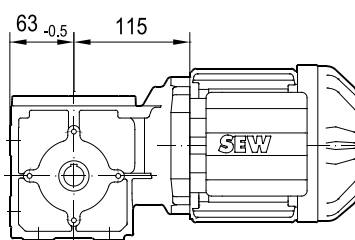
(→ 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK	80MS	80M	
AC	115	115	139	139	156	156	156	
AD	98	98	118	118	128	128	128	
ADS	98	98	129	129	139	139	139	
L	323	337	339	359	364	382	410	
LS	379	393	406	426	445	463	491	
LB	148	162	164	184	189	207	235	
LBS	204	218	231	251	270	288	316	

20 017 00 18

WA30..

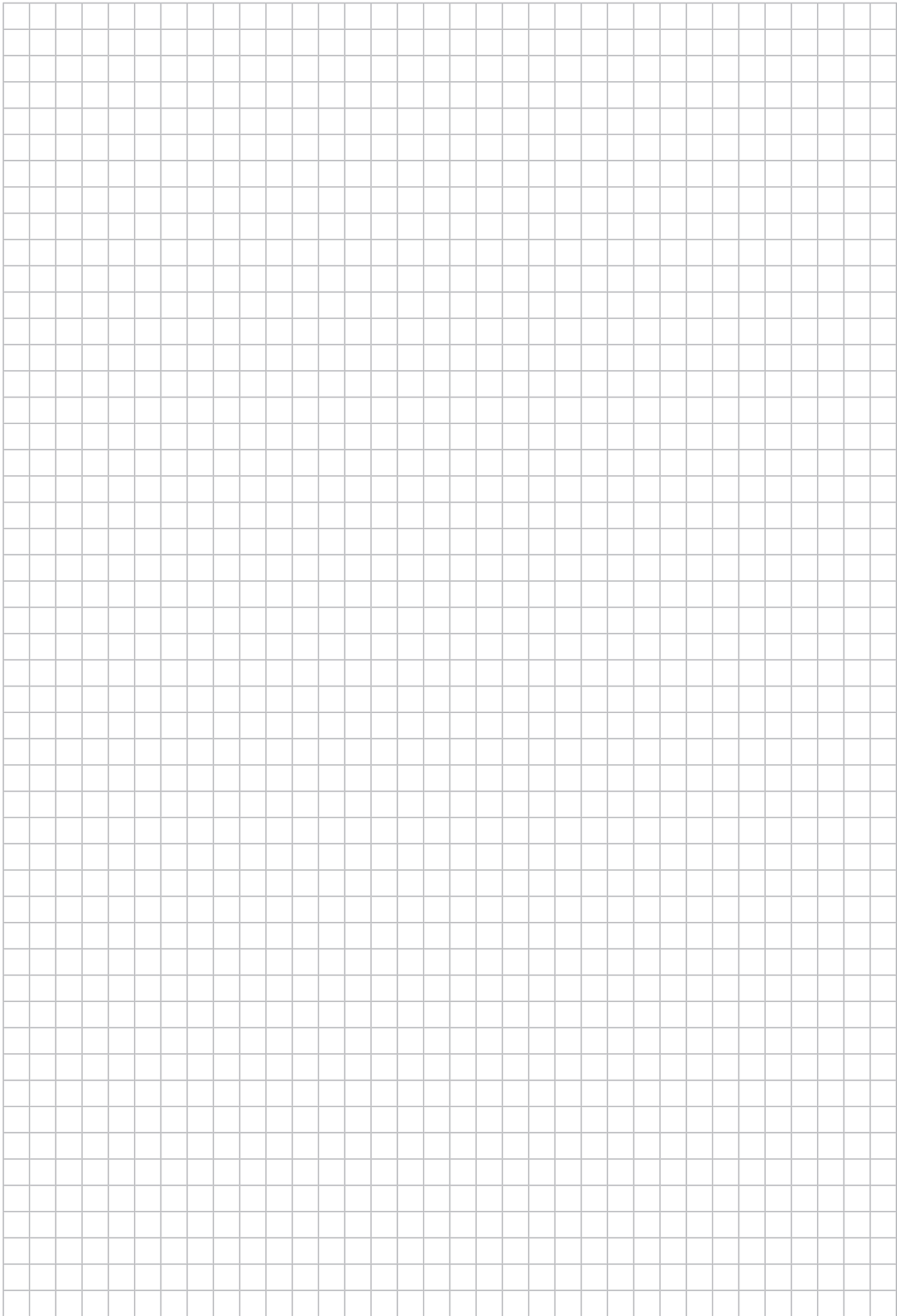


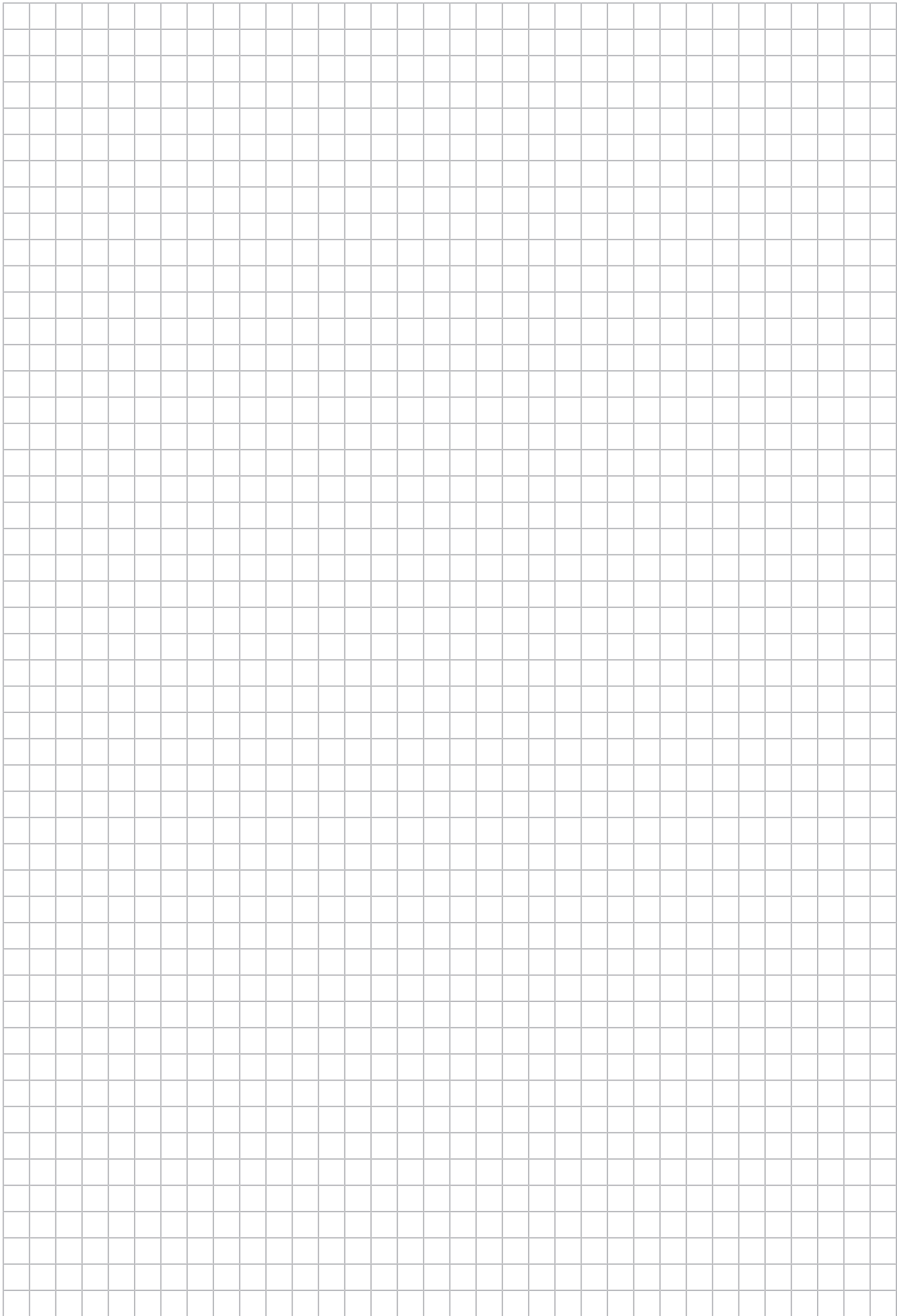
DR2S80..

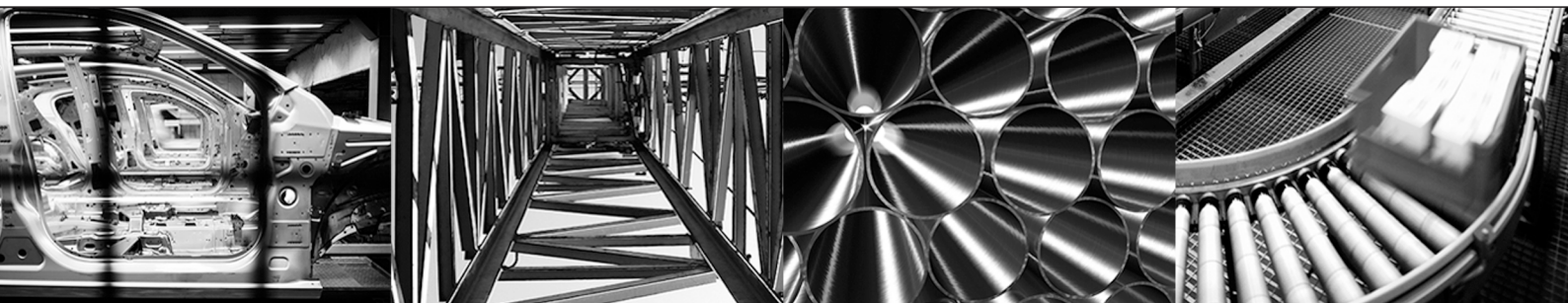


(→ 7.3)	DR2S							
	63MS	63M	71MS	71M	80MK	80MS	80M	
AC	115	115	139	139	156	156	156	
AD	98	98	118	118	128	128	128	
ADS	98	98	129	129	139	139	139	
L	323	337	339	359	364	382	410	
LS	379	393	406	426	445	463	491	
LB	148	162	164	184	189	207	235	
LBS	204	218	231	251	270	288	316	

29194253/EN – 02/2020









SEW-EURODRIVE
Driving the world

SEW
EURODRIVE

SEW-EURODRIVE GmbH & Co KG
Ernst-Blickle-Str. 42
76646 BRUCHSAL
GERMANY
Tel. +49 7251 75-0
Fax +49 7251 75-1970
sew@sew-eurodrive.com
→ www.sew-eurodrive.com