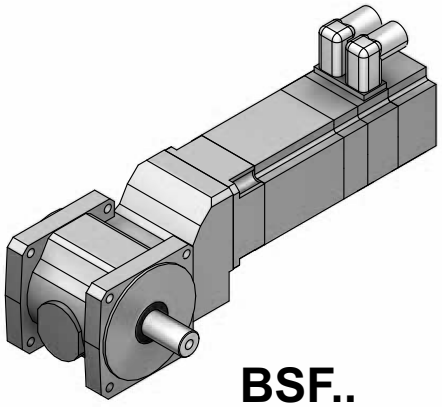
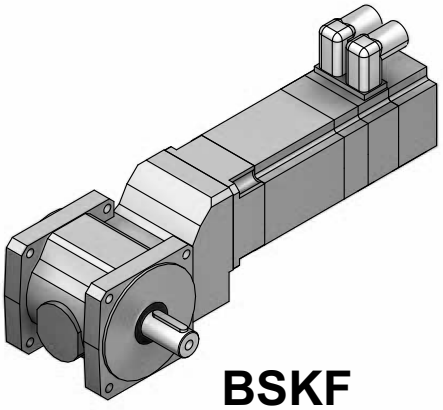
13 BS.F..CMP, DS, CM

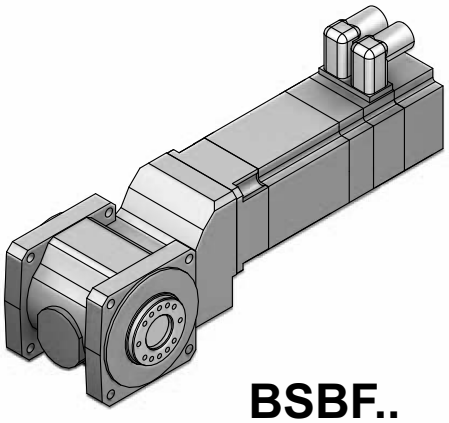
13.1 BSF, BSBF, BSKF, BSHF, BSF..B, BSBF..B, BSKF..B, BSHF..B, BSHF../T, BSHF../I, BSHF..B/I..CMP / DS / CM



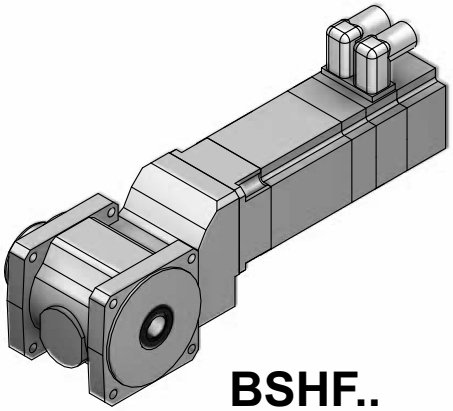
BSF..



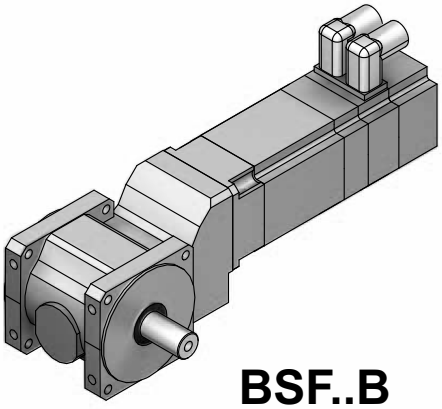
BSKF



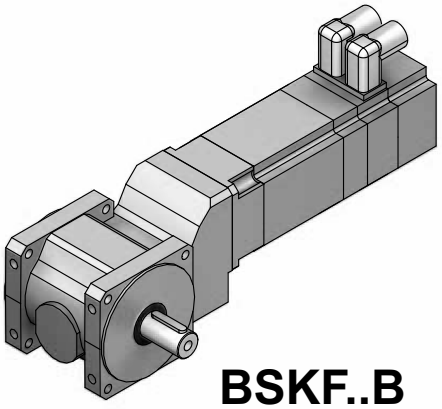
BSBF..



BSHF..

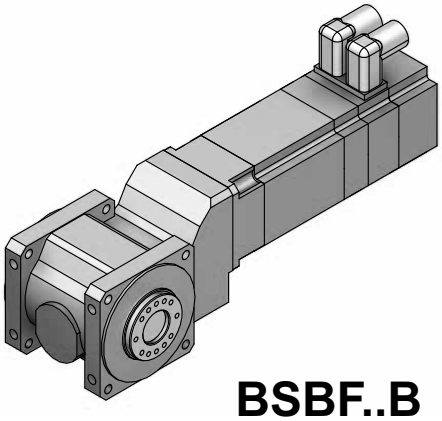


BSF..B

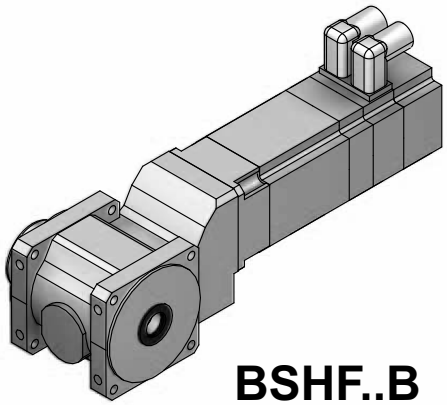


BSKF..B

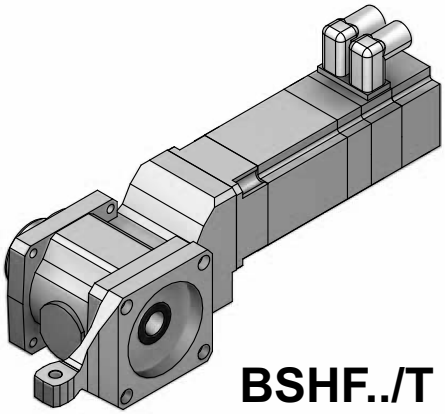
63323axx



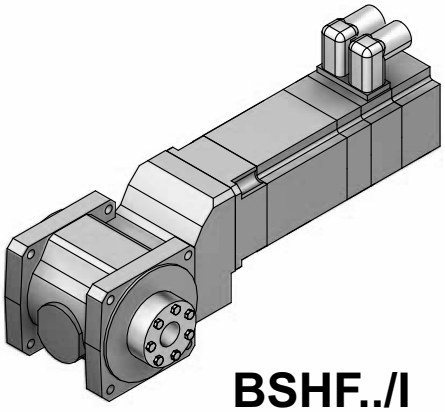
BSBF..B



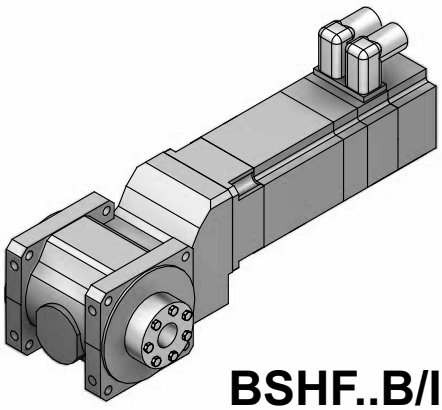
BSHF..B



BSHF../T

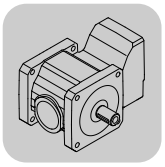


BSHF../I



BSHF..B/I

63318axx



13.2 BS.F 202 / CMP / DS [Nm]

M_{aDyn} [Nm]		CMP			DS		
	i	50S	50M	63S	56M	56L	56H
BSF202 2	3	15	29	31	11	21	43
	4	19	39	42	14	28	57
	6	29	58	>60	21	43	>60
	8	39	>60	>60	29	57	>60
	10	47	>51	>51	34	>51	>51
	15	>51	>51	>51	>51	>51	>51
	20	>51	>51	>51	>51	>51	>51
	25	>51			>51	>51	

m [kg]		CMP			DS		
	s	50S	50M	63S	56M	56L	56H
BSF202	2	7.2	8.1	8.5	6.4	7.4	8.1
BSBF: + 0.0 kg / BSHF: + 0.0 kg							

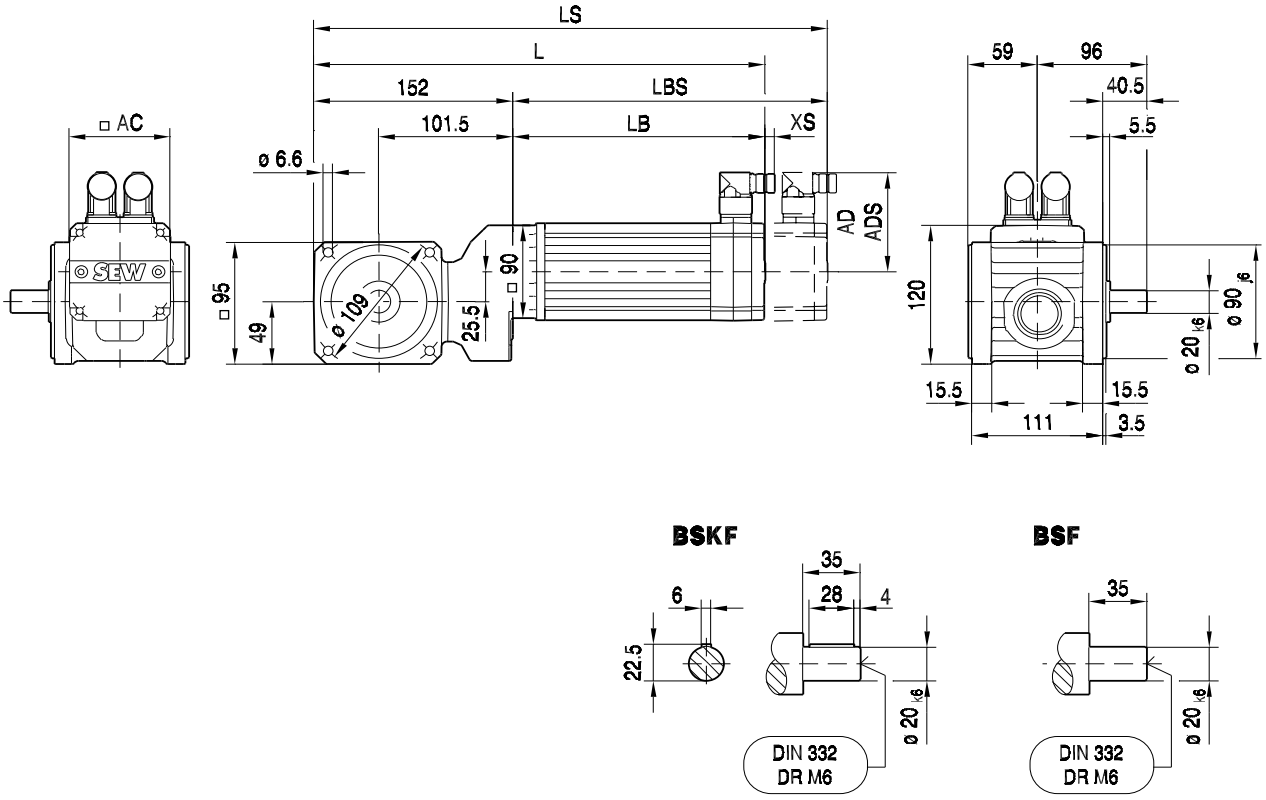
CMP.. / DS..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
BSF202 2	3	4500	93.7	4.100	-0.011	77457	14.470	-0.020	66498	6.120	-0.013	75323	6	3	-
	4	4500	93.7	4.260	-0.014	76815	20.110	-0.028	60846	7.520	-0.017	73532	6	3	-
	6	4500	93.7	4.500	-0.019	75905	30.660	-0.042	51203	10.050	-0.024	70662	6	3	-
	8	4500	93.8	4.700	-0.022	75309	37.130	-0.052	46240	12.100	-0.029	68596	6	3	-
	10	4500	90.1	3.310	-0.057	47656	52.730	-0.146	26432	19.700	-0.083	39837	6	3	-
	15	4500	90.2	4.090	-0.076	46683	56.520	-0.189	28536	31.620	-0.125	34857	6	3	-
	20	4500	90.3	3.770	-0.089	46508	53.030	-0.210	32477	42.490	-0.161	30764	6	3	-
	25	4500	90.5	3.670	-0.098	46334	47.990	-0.221	36133	51.810	-0.191	27469	6	3	-

CMP.. / DS..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF202 2	3	40	60	90	767	0.76	2.1	2.3	2.3	2690	2990	2610	4200	4200	4200
	4	40	60	90	775	0.47	2.2	2.4	2.4	3010	3340	2920	4200	4200	4200
	6	40	60	90	783	0.23	2.2	2.5	2.5	3510	3900	3410	4200	4200	4200
	8	40	60	90	875	0.14	2.3	2.5	2.5	3920	4200	3800	4200	4200	4200
	10	40	51	77	320	0.27	4.1	4.7	4.7	4140	4200	4020	4200	4200	4200
	15	40	51	77	327	0.14	4.2	4.8	4.7	4200	4200	4200	4200	4200	4200
	20	40	51	77	350	0.092	4.2	4.8	4.7	4200	4200	4200	4200	4200	4200
	25	40	51	77	280	0.066	4.2	4.8	4.8	4200	4200	4200	4200	4200	4200

13.3 BS.F 202 / CMP / DS [mm]

BSF202..

55 002 00 06

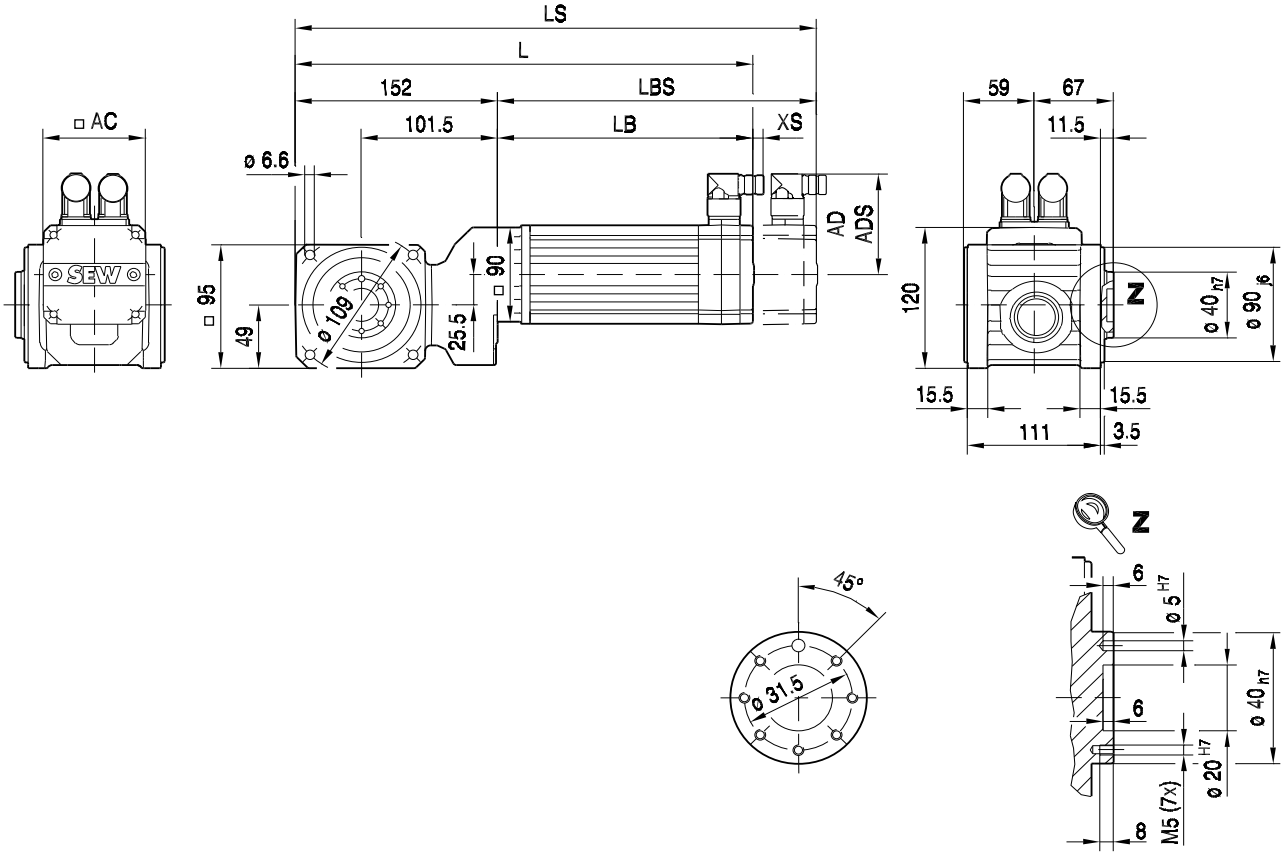


13

(→ 📖 150)	CMP50S	CMP50M	CMP63S					
AC	73	73	88					
AD	83	83	92					
ADS	83	83	92					
L	298	337	333					
LS	327	366	361					
LB	146	185	181					
LBS	175	214	210					
XS	18	18	14					

BSBF202..

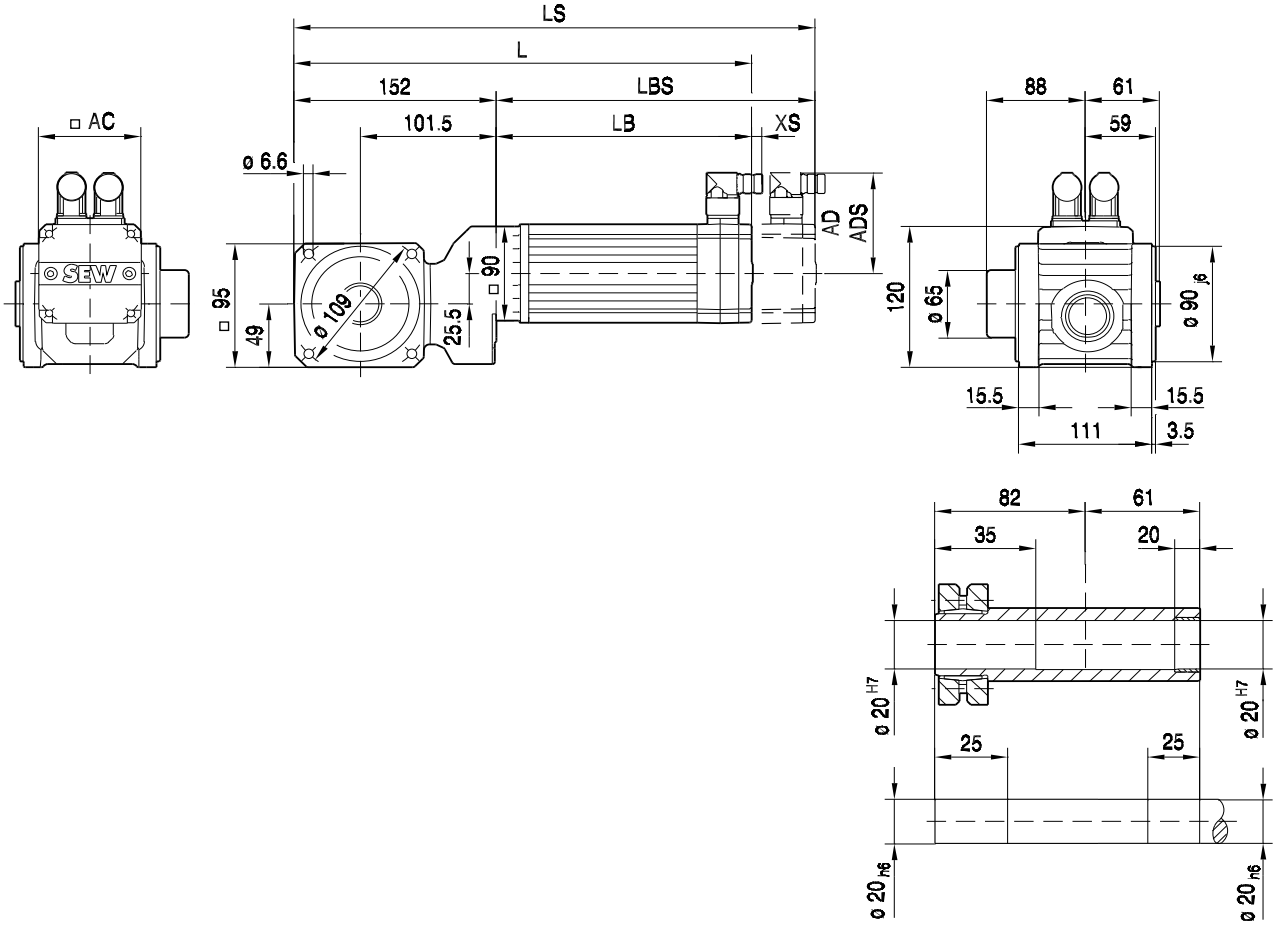
55 003 00 06



(→ 150)	CMP50S	CMP50M	CMP63S					
AC	73	73	88					
AD	83	83	92					
ADS	83	83	92					
L	298	337	333					
LS	327	366	361					
LB	146	185	181					
LBS	175	214	210					
XS	18	18	14					

BSHF202..

55 004 00 06

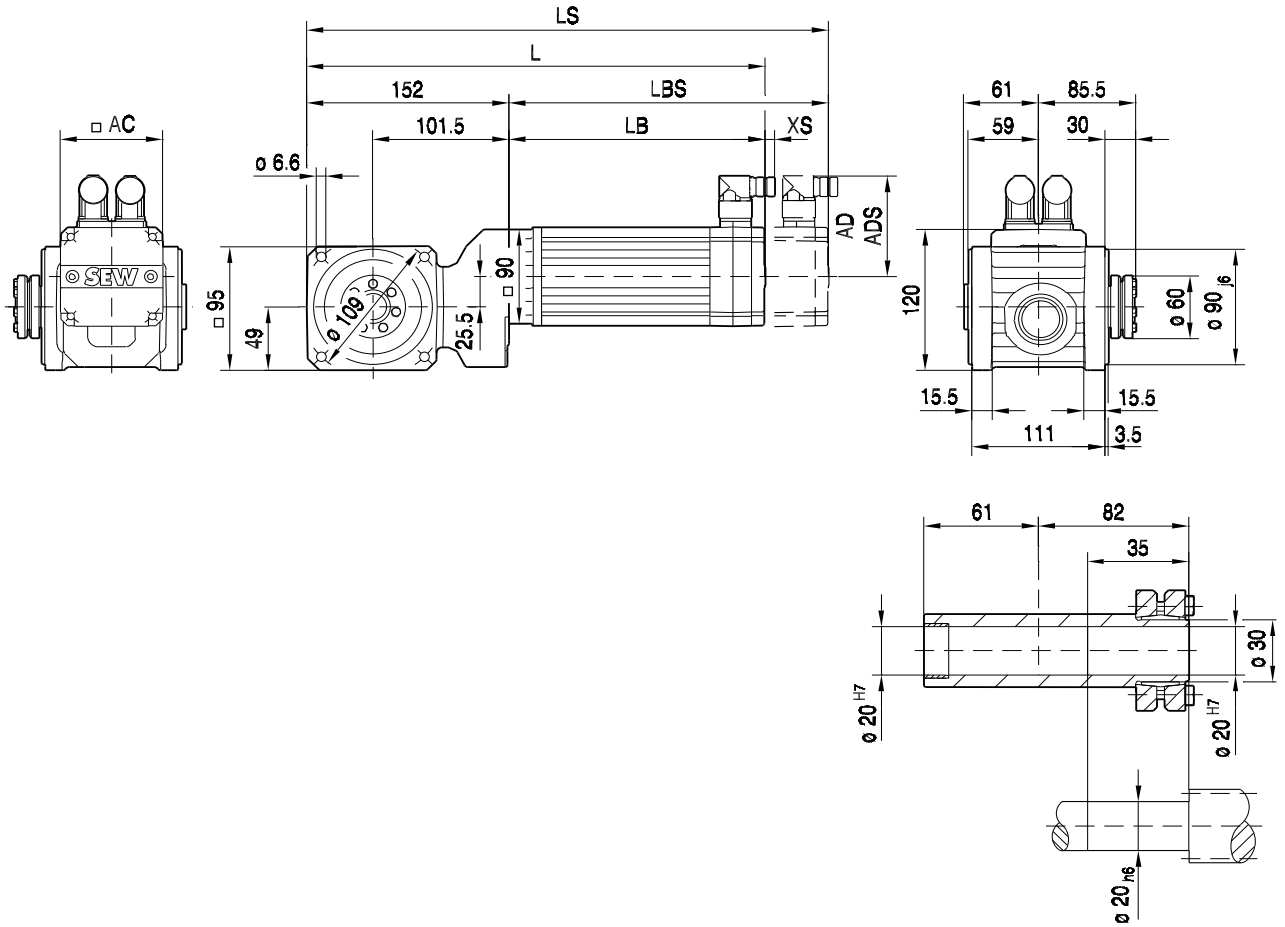


13

(→ 📖 150)	CMP50S	CMP50M	CMP63S					
AC	73	73	88					
AD	83	83	92					
ADS	83	83	92					
L	298	337	333					
LS	327	366	361					
LB	146	185	181					
LBS	175	214	210					
XS	18	18	14					

BSHF202/I..

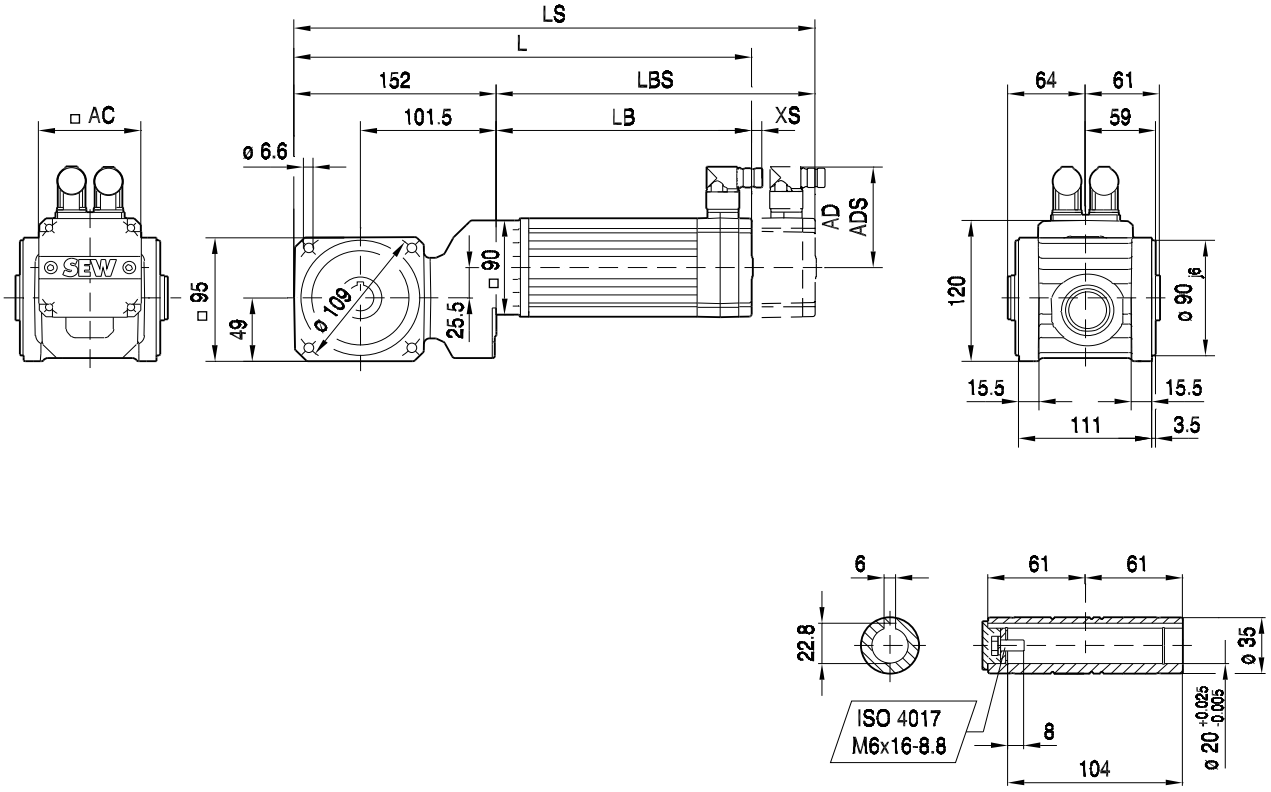
55 005 00 06



(→ 📖 150)	CMP50S	CMP50M	CMP63S					
AC	73	73	88					
AD	83	83	92					
ADS	83	83	92					
L	298	337	333					
LS	327	366	361					
LB	146	185	181					
LBS	175	214	210					
XS	18	18	14					

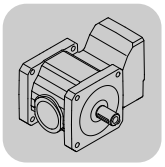
BSAF202..

55 015 00 07



13

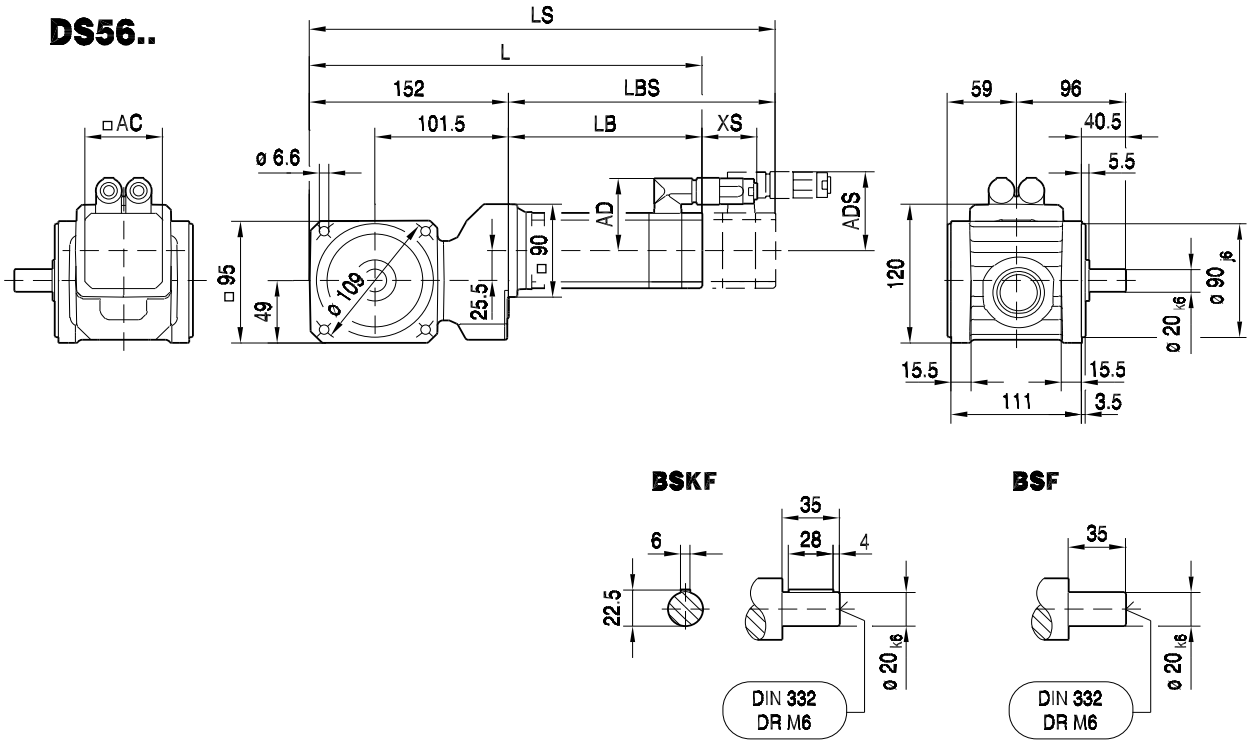
(→ 150)	CMP50S	CMP50M	CMP63S					
AC	73	73	88					
AD	83	83	92					
ADS	83	83	92					
L	298	337	333					
LS	327	366	361					
LB	146	185	181					
LBS	175	214	210					
XS	18	18	14					



BSF202..

56 001 00 03

DS56..

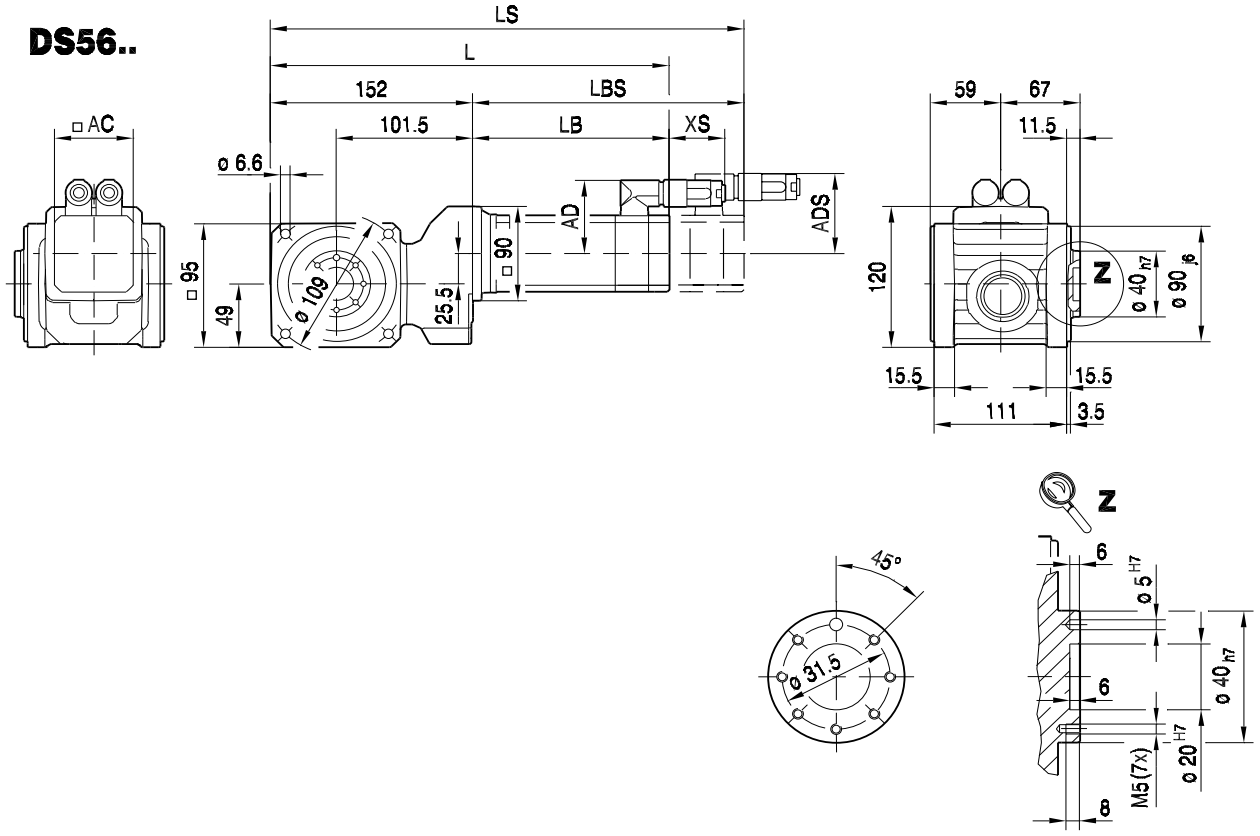


(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	291	323	426					
LS	321	353	426					
LB	139	171	274					
LBS	169	201	274					
XS	70	70	51					

BSBF202..

56 002 00 03

DS56..

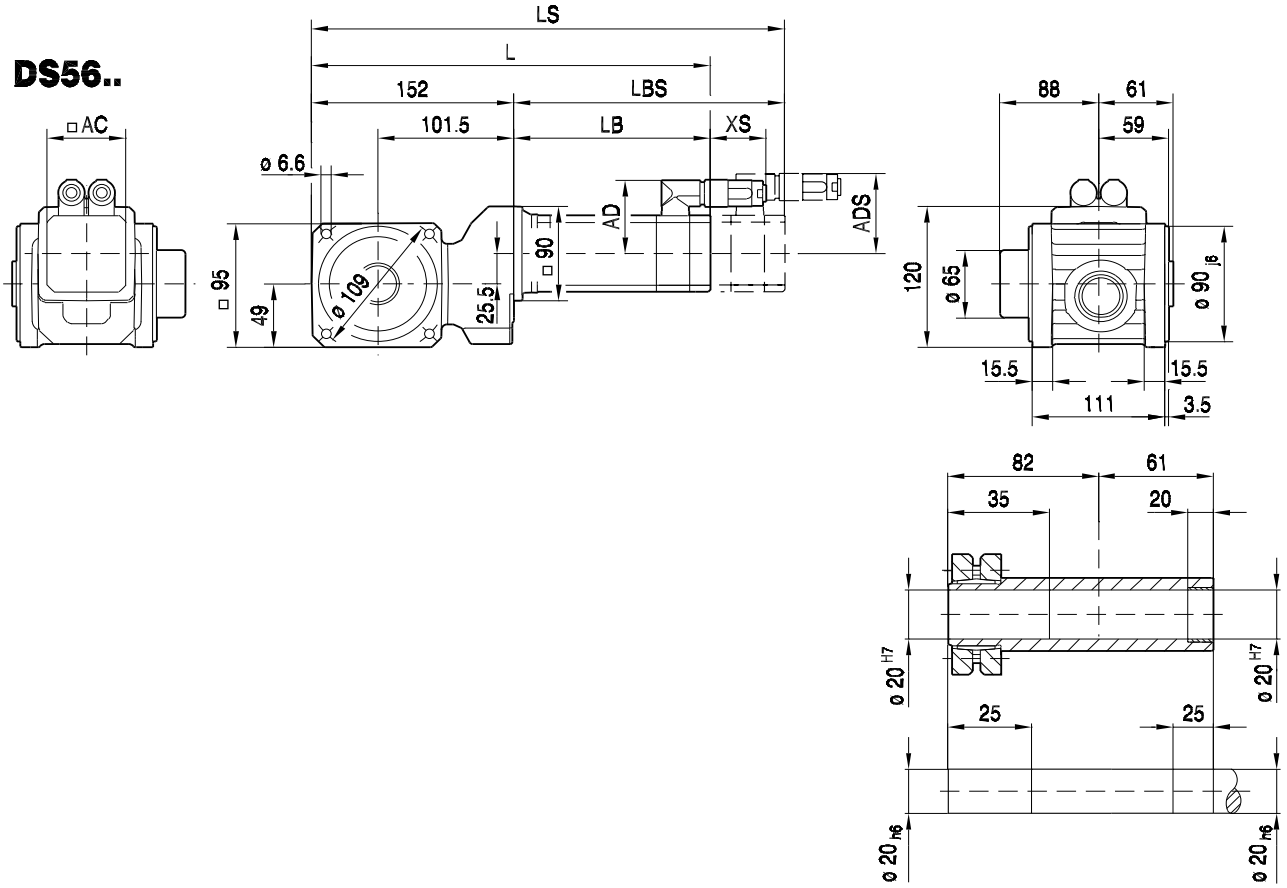


(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	291	323	426					
LS	321	353	426					
LB	139	171	274					
LBS	169	201	274					
XS	70	70	51					

BSHF202..

56 044 00 03

DS56..

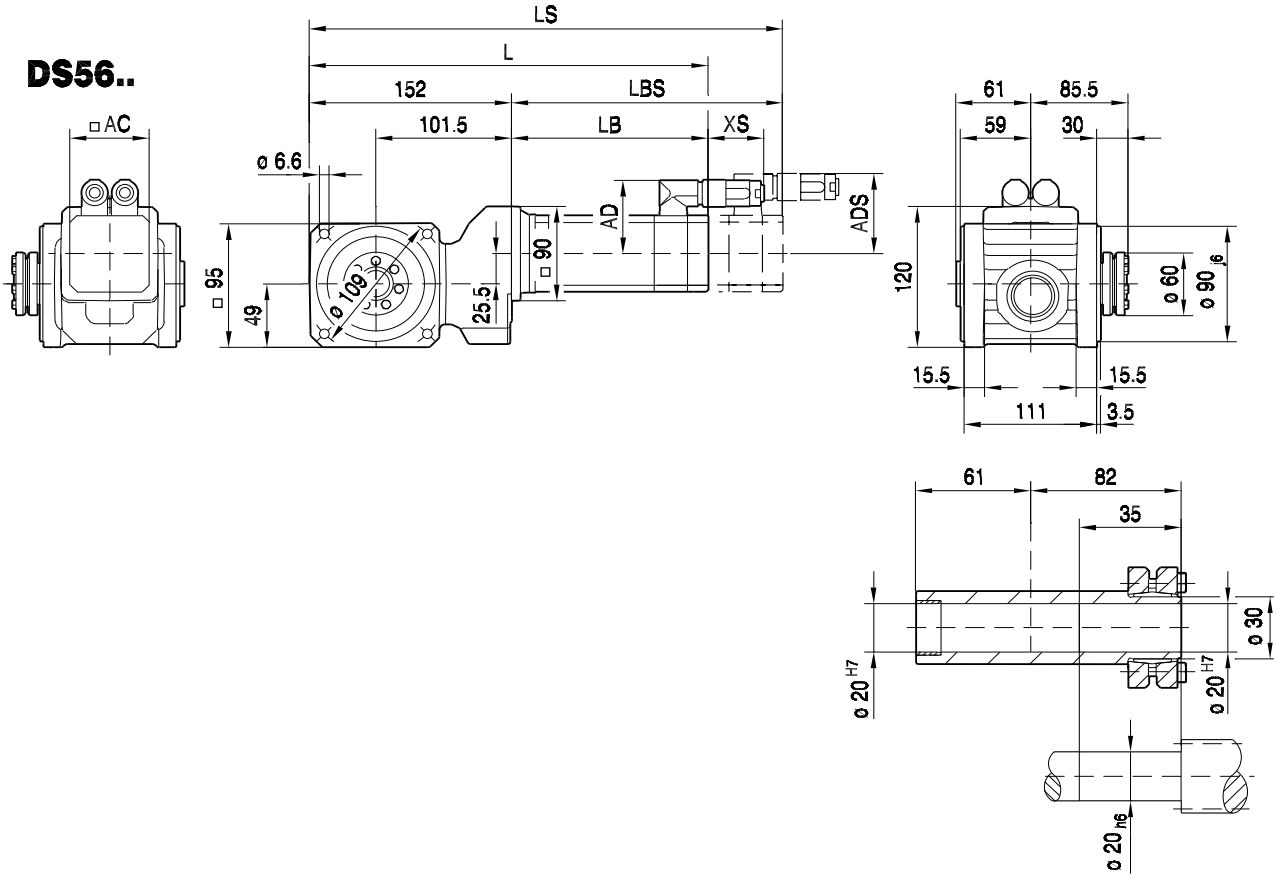


(→ 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	291	323	426					
LS	321	353	426					
LB	139	171	274					
LBS	169	201	274					
XS	70	70	51					

BSHF202/I..

56 003 00 03

DS56..

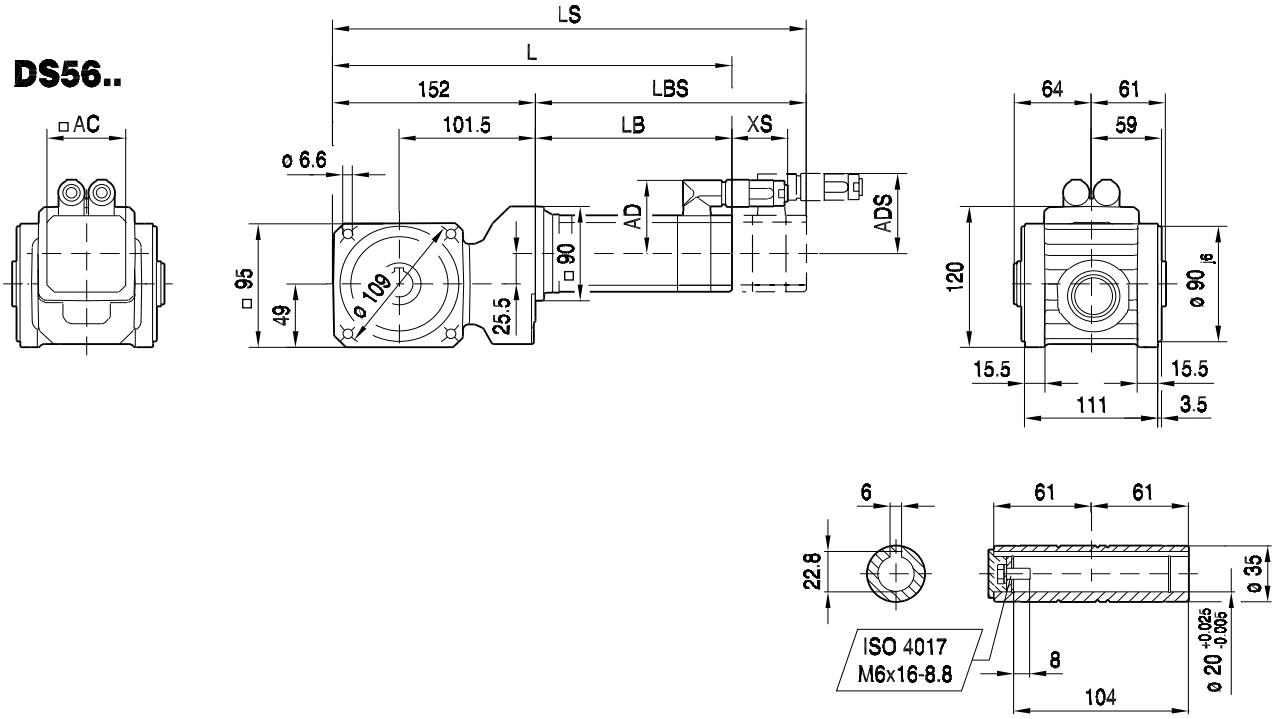


(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	291	323	426					
LS	321	353	426					
LB	139	171	274					
LBS	169	201	274					
XS	70	70	51					

BSAF202..

55 003 00 07

DS56..



(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	291	323	426					
LS	321	353	426					
LB	139	171	274					
LBS	169	201	274					
XS	70	70	51					

13.4 BS.F 302 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP									DS			CM		
	i	50S	50M	50L	63S	63M	63L	71S	71M	71L	56M	56L	56H	71S	71M	71L
BSF302 2	3			43		60	86	51	77	>102				46	61	88
	4	20	39	58	42	80	>114	69	103	>114	14	29	57	62	81	>114
	6	29	58	87	63	>120	>120	103	>120	>120	21	43	86	93	>120	>120
	8	39	78	116	84	>120		>120			29	57	114	>120	>120	
	10	47	93	>108	101	>108	>108	>108	>108	>108	34	69	>108	>108	>108	>108
	15	71	>112	>112	>112	>112	>112	>112	>112	>112	52	104	>112	>112	>112	>112
	20	95	>112	>112	>112	>112		>112			69	>112	>112	>112	>112	
	25	>112	>112		>112						87	>112	>112			
	30	>112									104	>112				

m [kg]		CMP									DS			CM		
	s	50S	50M	50L	63S	63M	63L	71S	71M	71L	56M	56L	56H	71S	71M	71L
BSF302	2	9.2	10	11	10	12	13	15	16	18	8.4	9.4	10	16	18	20
BSBF: + 0.3 kg / BSHF: + -0.1 kg																

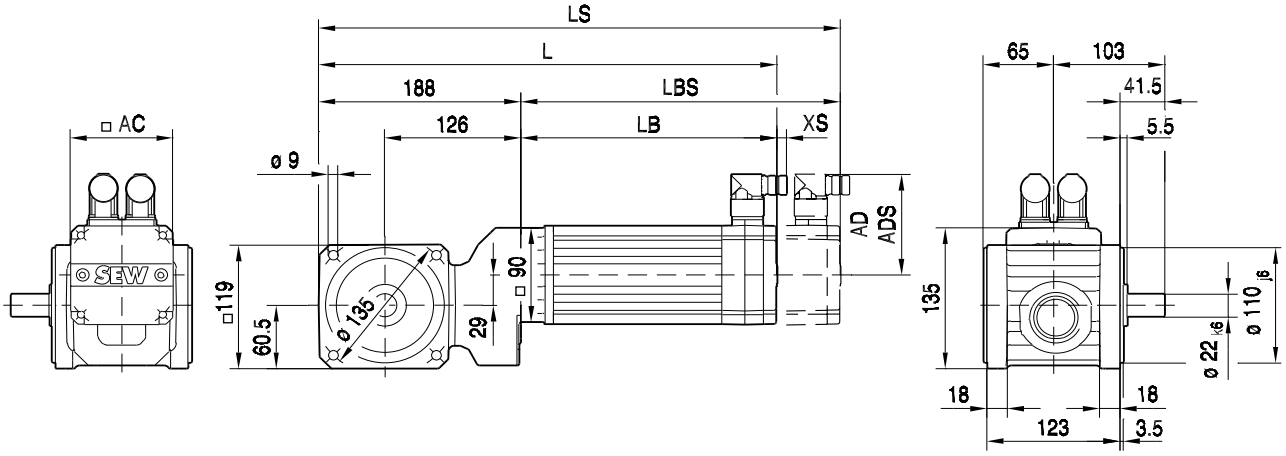
CMP.. / DS.. / CM..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
BSF302 2	3	4500	93.8	10.610	-0.020	101982	29.340	-0.039	87407	16.530	-0.026	97370	6	3	-
	4	4500	94	11.440	-0.025	100944	39.040	-0.054	80239	20.240	-0.034	94323	6	3	-
	6	4500	94	12.770	-0.033	99436	48.540	-0.075	75064	26.760	-0.048	89388	6	3	-
	8	4500	94.1	13.720	-0.038	98463	54.940	-0.091	72074	31.930	-0.059	85770	6	3	-
	10	4500	90.7	17.470	-0.106	60873	82.080	-0.261	41142	61.940	-0.192	43856	6	3	-
	15	4500	91	23.300	-0.146	58348	101.60	-0.363	38252	94.430	-0.295	33419	6	3	-
	20	4500	91.1	28.020	-0.176	56577	121.97	-0.451	33554	108.88	-0.358	30285	6	3	-
	25	4500	91.1	30.930	-0.198	55589	137.52	-0.520	30171	119.67	-0.407	28099	6	3	-
	30	4500	91.2	33.580	-0.216	54719	149.62	-0.574	27671	127.99	-0.446	26539	6	3	-

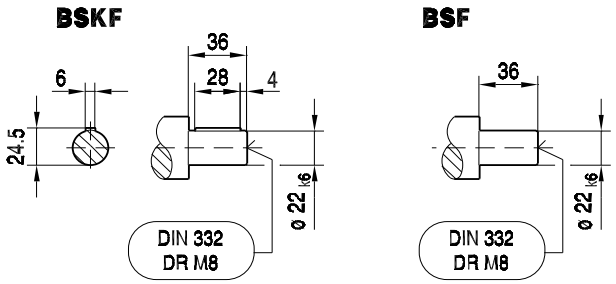
CMP.. / DS.. / CM..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF302 2	3	68	102	153	500	1.6	3.7	4.1	4.0	4520	4980	4380	4920	6000	5510
	4	76	114	171	375	0.97	4.0	4.4	4.3	4970	5470	4810	4750	6000	5420
	6	80	120	180	283	0.48	4.2	4.7	4.6	5160	6000	5570	4660	6000	5370
	8	80	120	180	313	0.29	4.4	4.8	4.7	5160	6000	5660	4660	6000	5370
	10	72	108	162	150	0.55	6.9	7.8	7.8	5230	6000	5700	4840	6000	5470
	15	80	112	168	107	0.29	6.9	7.8	7.7	5160	6000	5660	4780	6000	5440
	20	80	112	168	110	0.19	6.9	7.8	7.8	5160	6000	5660	4780	6000	5440
	25	80	112	168	108	0.13	7.0	7.9	7.8	5160	6000	5660	4780	6000	5440
	30	80	112	168	117	0.10	7.0	7.9	7.8	5160	6000	5660	4780	6000	5440

13.5 BS.F 302 / CMP / DS / CM [mm]

BSF302..

55 006 00 06

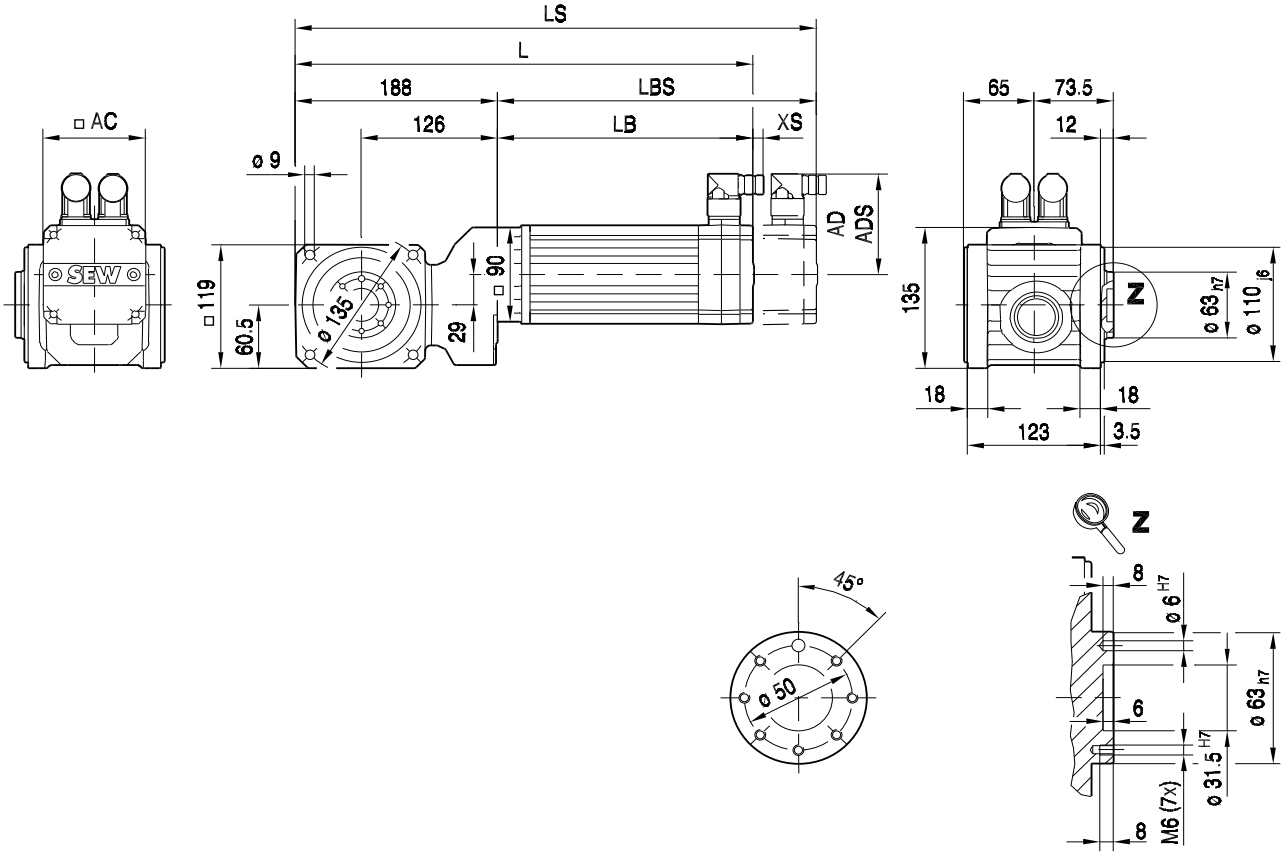




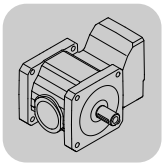
(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	334	373	412	369	419	469		
LS	363	402	441	397	447	497		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

BSBF302..

55 007 00 06



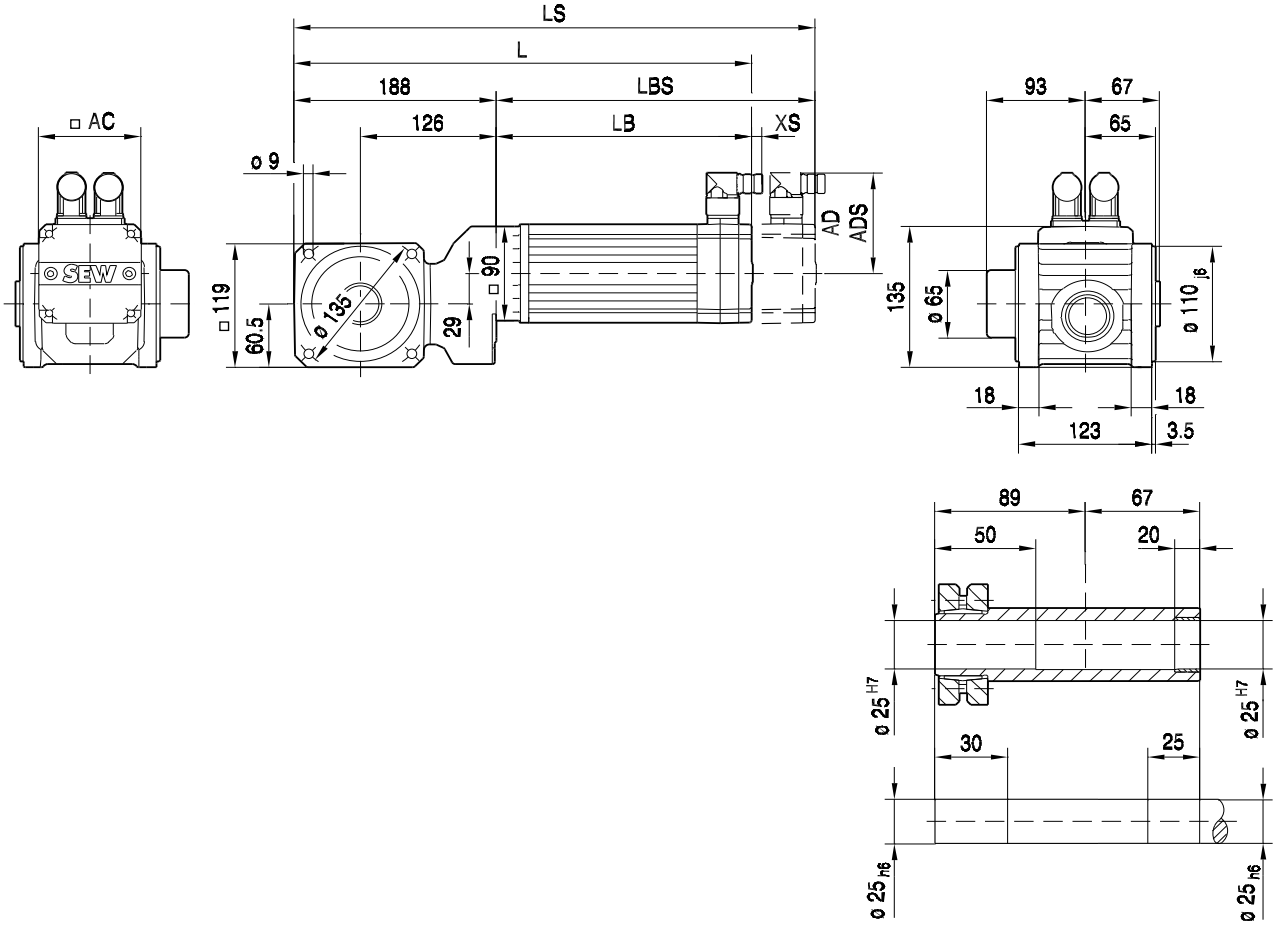
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	334	373	412	369	419	469		
LS	363	402	441	397	447	497		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		



BS.F..CMP, DS, CM
BS.F 302 / CMP / DS / CM [mm]

BSHF302..

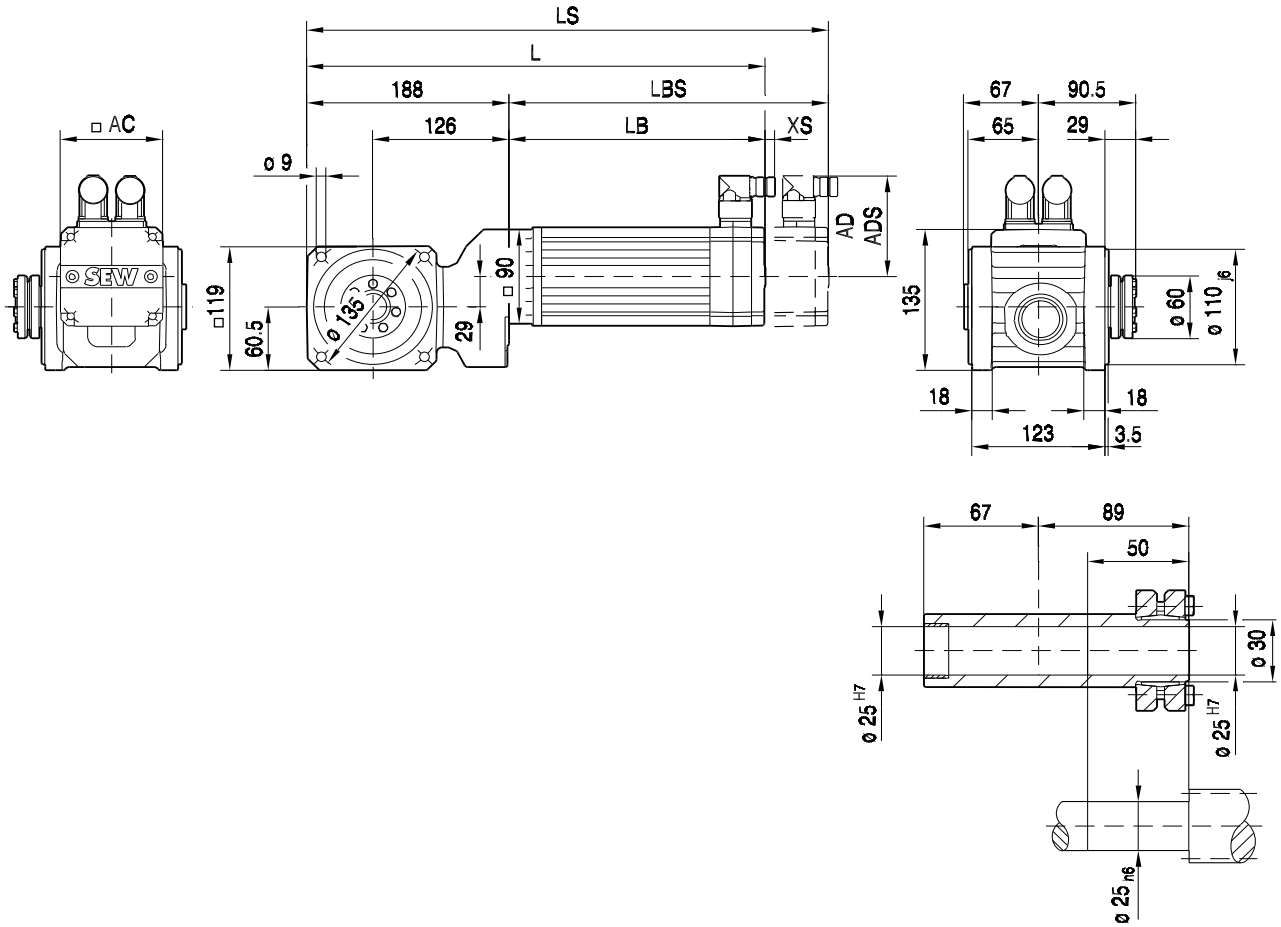
55 008 00 06



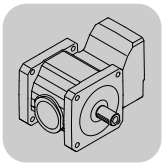
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	334	373	412	369	419	469		
LS	363	402	441	397	447	497		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

BSHF302/I..

55 009 00 06

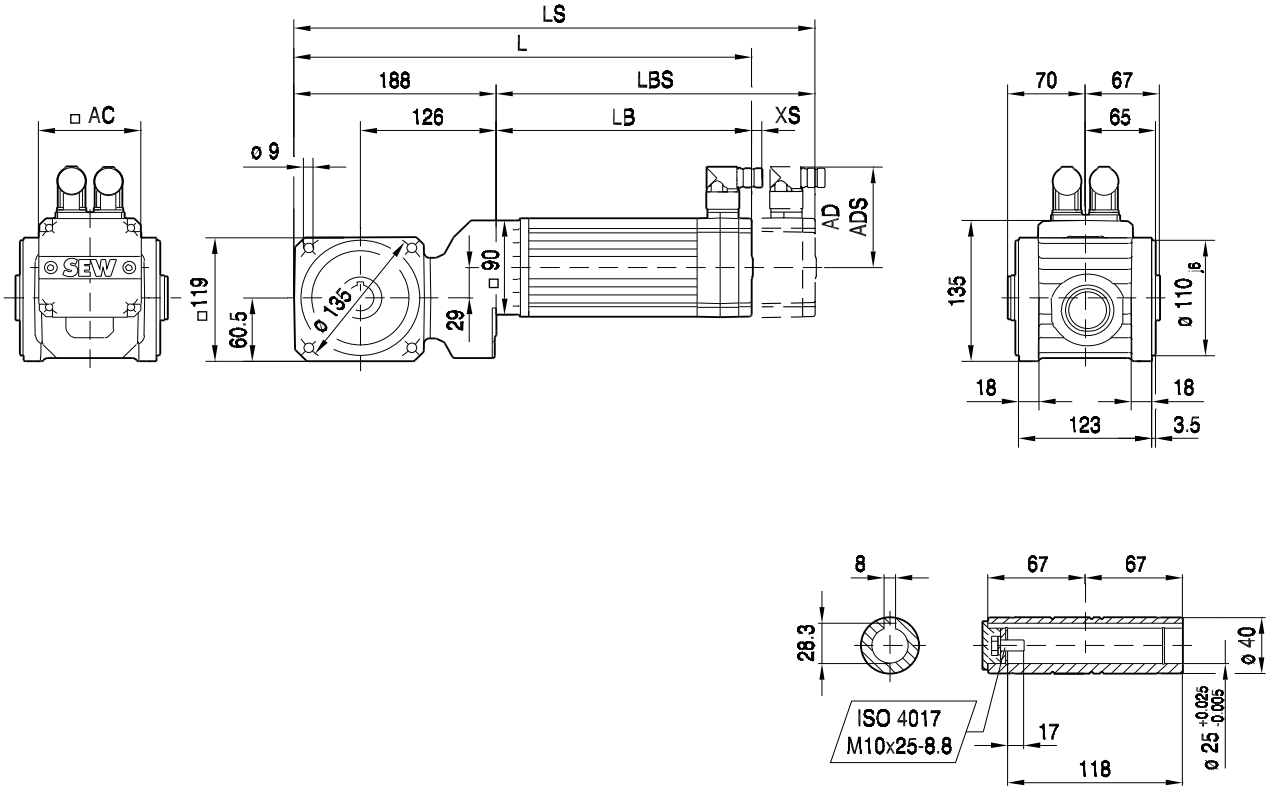


(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	334	373	412	369	419	469		
LS	363	402	441	397	447	497		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		



BSAF302..

55 016 00 07

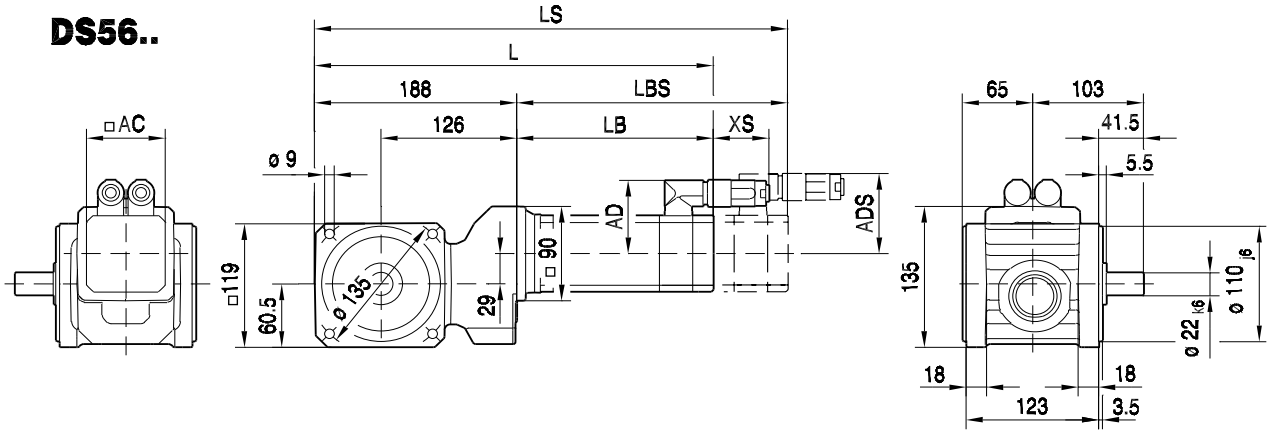


(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	334	373	412	369	419	469		
LS	363	402	441	397	447	497		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

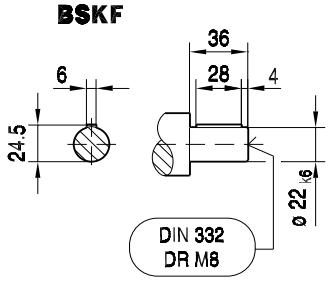
BSF302..

56 004 00 03

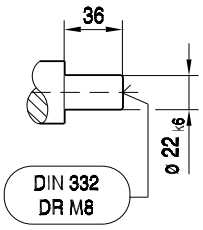
DS56..



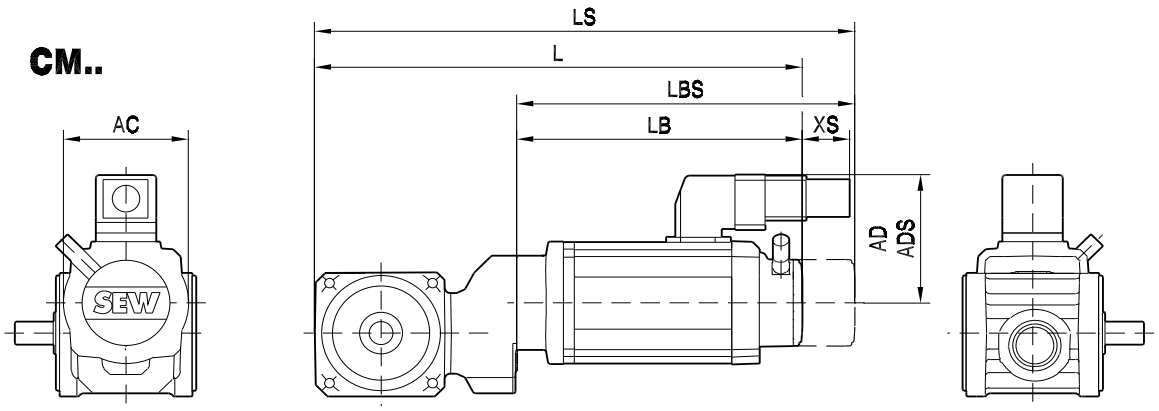
BSKF



BSF



CM..

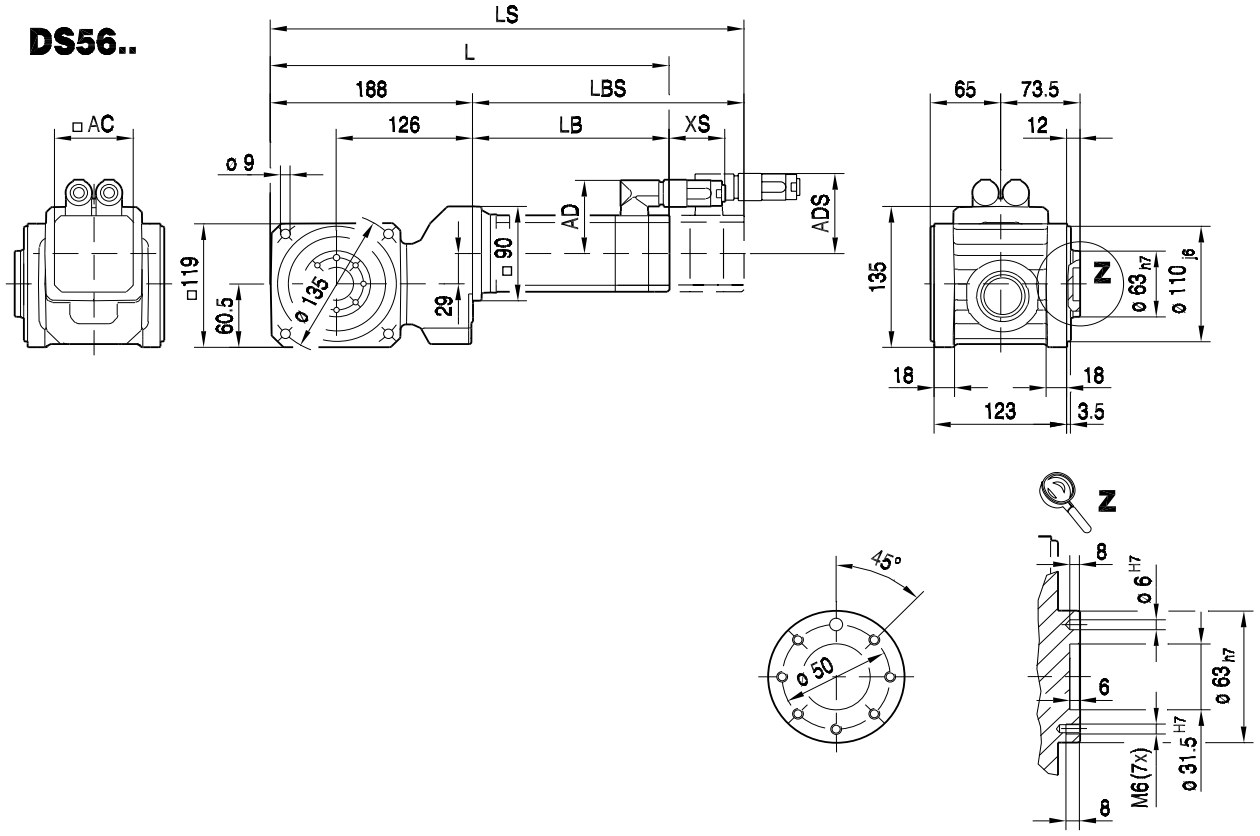


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	327	359	462	427	447	487		
LS	357	389	462	509	529	569		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

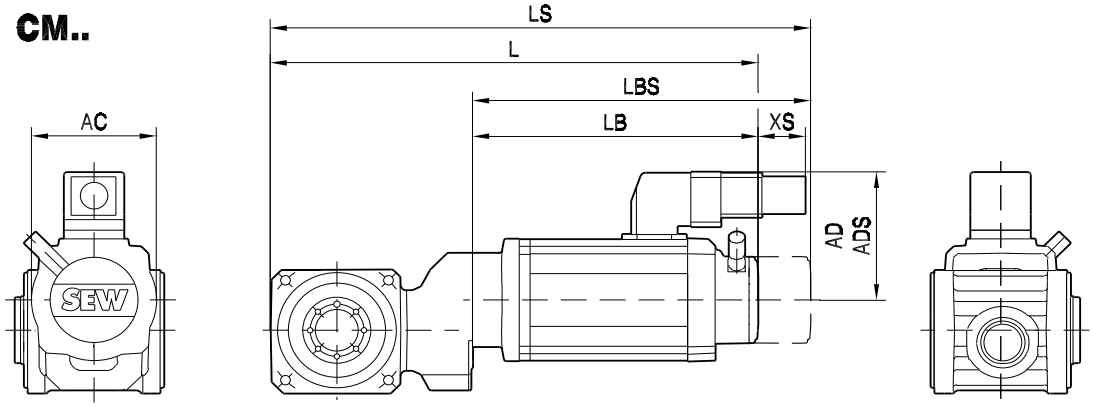
BSBF302..

56 005 00 03

DS56..



CM..

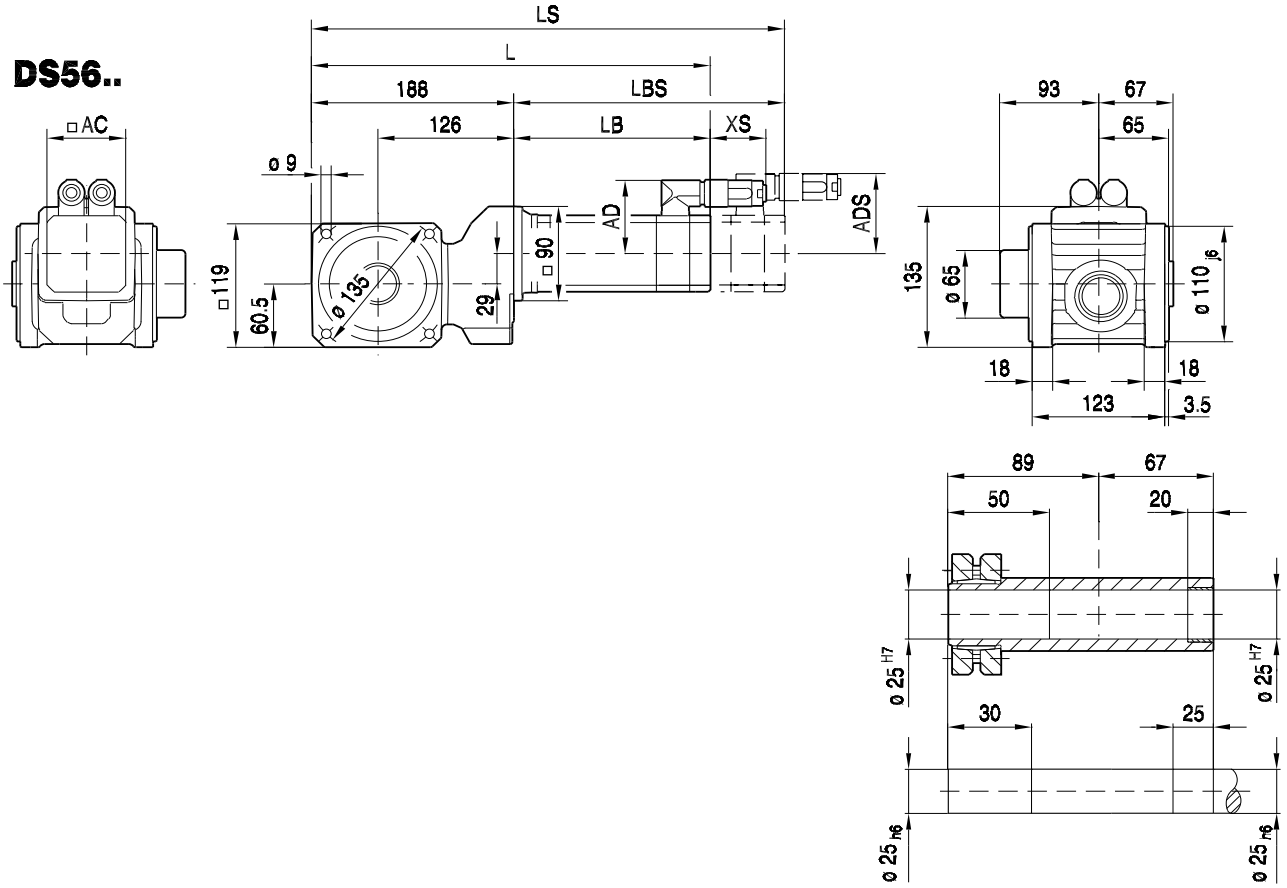


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	327	359	462	427	447	487		
LS	357	389	462	509	529	569		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

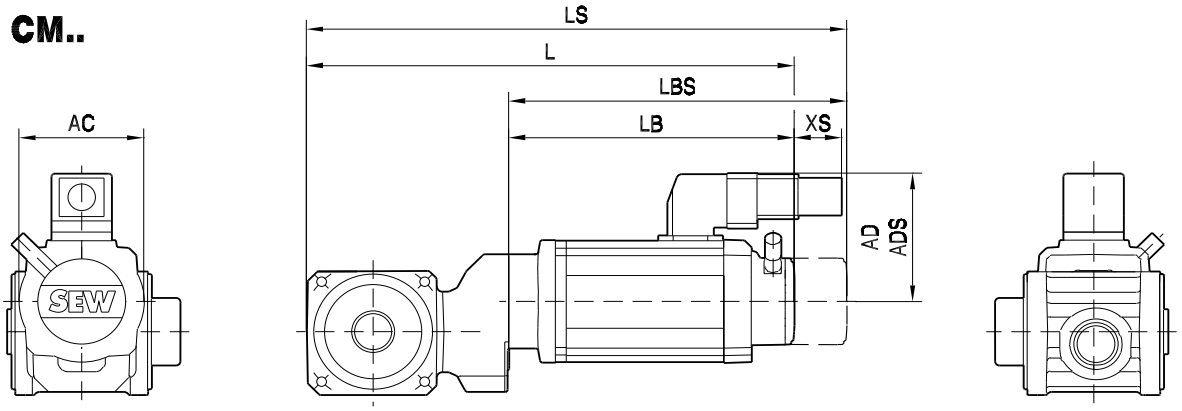
BSHF302..

56 046 00 03

DS56..



CM..

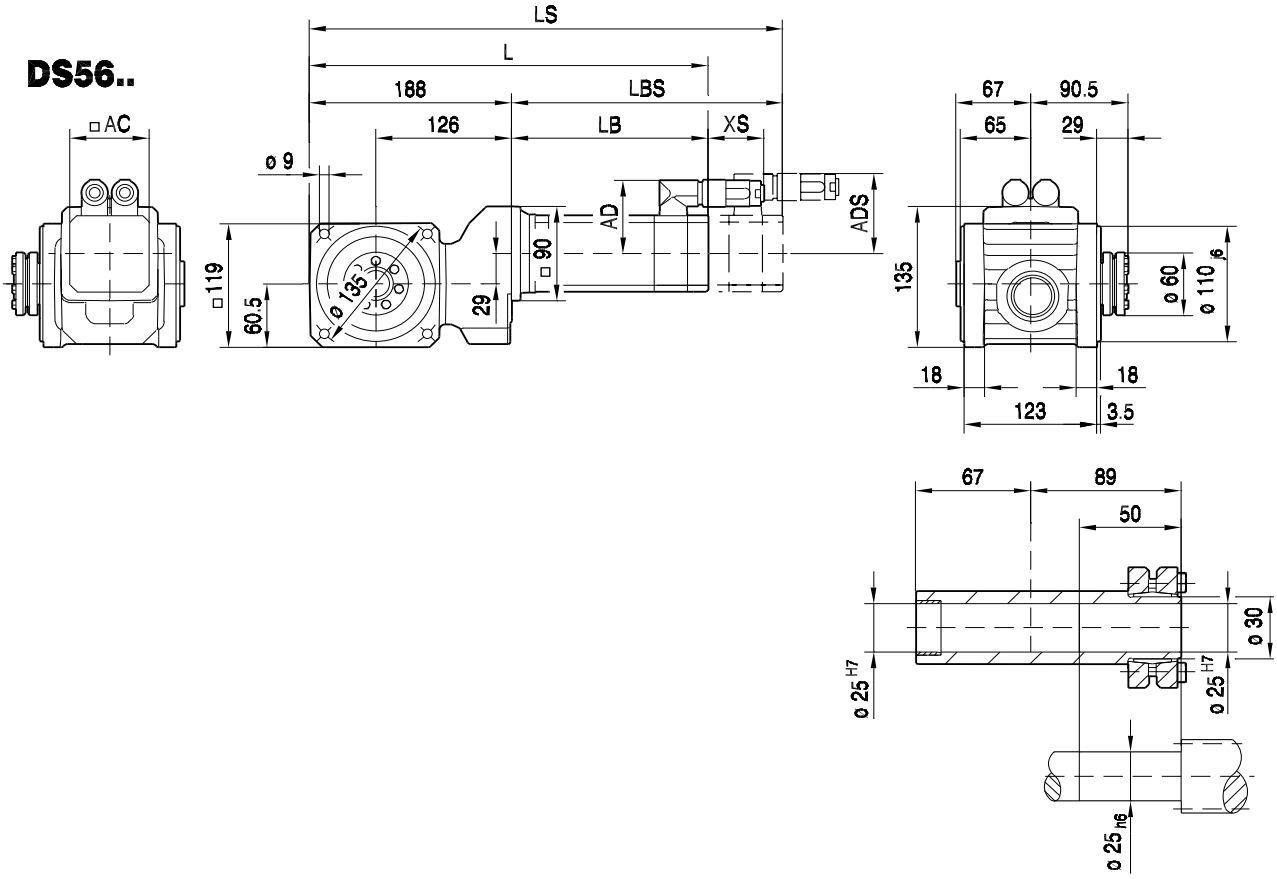


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	327	359	462	427	447	487		
LS	357	389	462	509	529	569		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

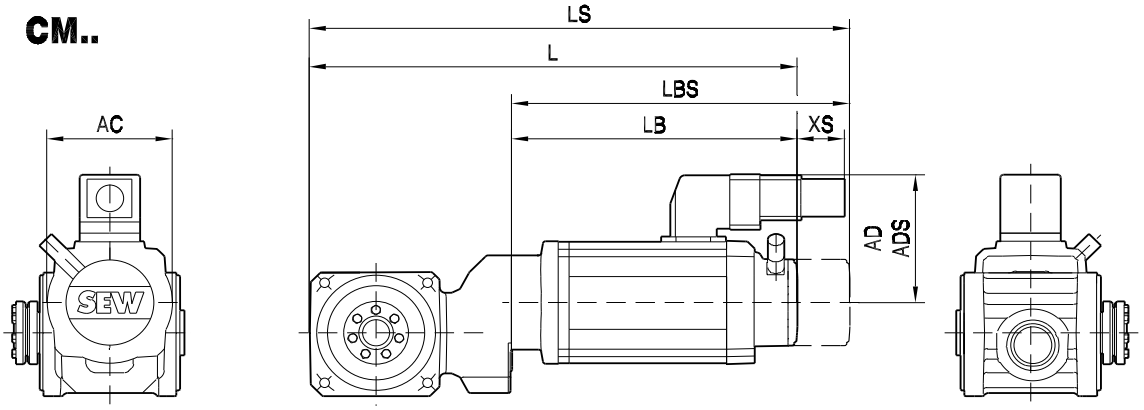
BSHF302/I..

56 006 00 03

DS56..



CM..

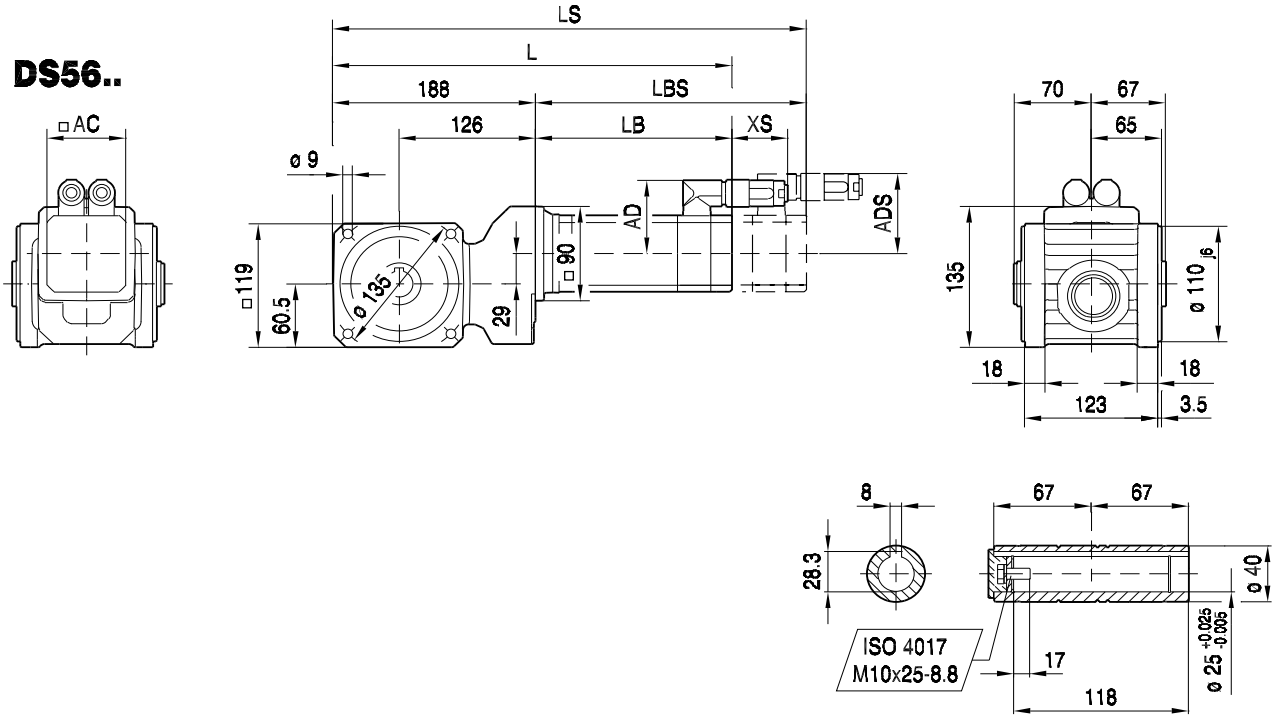


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	327	359	462	427	447	487		
LS	357	389	462	509	529	569		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

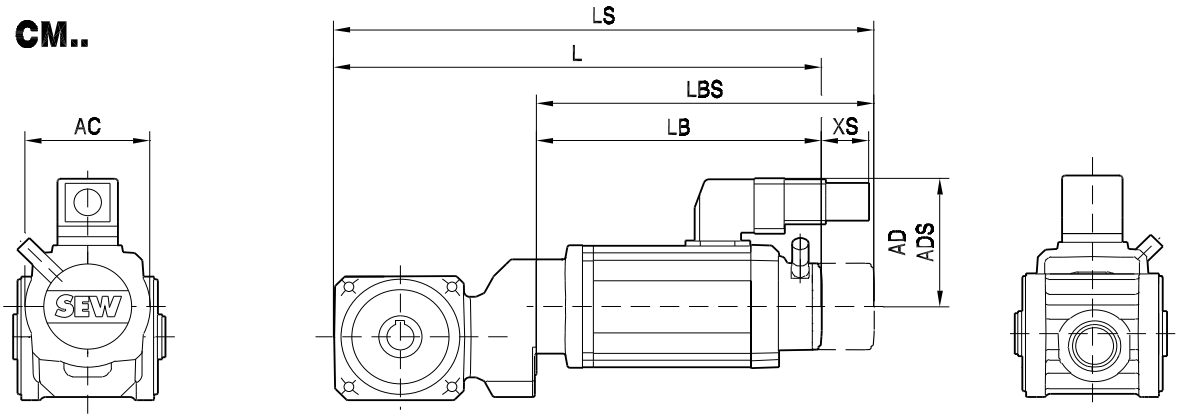
BSAF302..

55 004 00 07

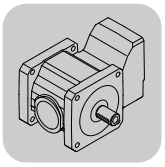
DS56..



CM..



(→ 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	327	359	462	427	447	487		
LS	357	389	462	509	529	569		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		



13.6 BS.F 402 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP									DS			CM					
	i	50S	50M	50L	63S	63M	63L	71S	71M	71L	56M	56L	56H	71S	71M	71L	90S	90M	90L
BSF402 2	3						85		77	129						88	111	147	>183
	4		39	58	42	80	114	69	103	172			57	62	81	118	149	196	>200
	6	29	58	87	63	121	171	103	155	>205	21	43	86	93	121	177	>205	>205	>205
	8	39	77	116	83	161	>210	138	207	>210	29	57	114	124	162	>210	>210		
	10		93	139	100	>186	>186	165	>186	>186			137	149	>186	>186	>186	>186	>186
	15	71	140	209	151	>210	>210	>210	>210	>210	52	103	206	>210	>210	>210	>210	>210	>210
	20	94	187	>220	201	>220	>220	>220	>220	>220	69	138	>220	>220	>220	>220	>220		
	25	118	>225	>225	>225	>225		>225			86	173	>225	>225	>225				
	30	142	>225		>225						104	207	>225						

m [kg]		CMP									DS			CM					
	s	50S	50M	50L	63S	63M	63L	71S	71M	71L	56M	56L	56H	71S	71M	71L	90S	90M	90L
BSF402	2	13	14	15	15	17	18	19	21	23	13	14	15	20	22	25	31	34	38
BSBF: + 0.5 kg / BSHF: + -0.6 kg																			

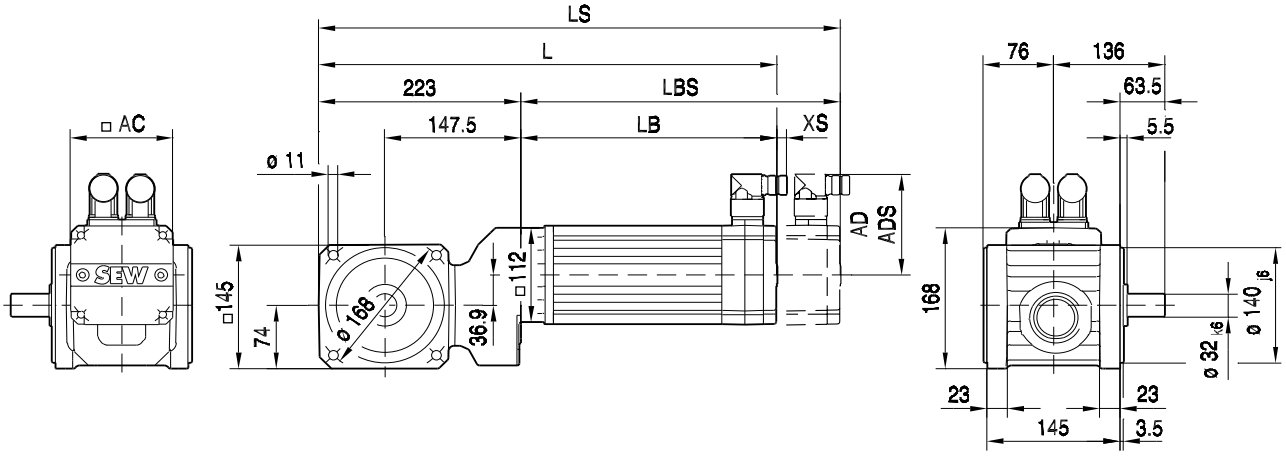
CMP.. / DS.. / CM..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
BSF402 2	3	4500	93.7	16.640	-0.042	136375	23.960	-0.064	131323	16.800	-0.043	134151	6	3	-
	4	4500	93.8	17.960	-0.052	135265	27.920	-0.082	129034	18.770	-0.053	132596	6	3	-
	6	4500	93.9	19.780	-0.066	133791	33.620	-0.110	126042	21.690	-0.070	130498	6	3	-
	8	4500	94	21.090	-0.077	132801	37.830	-0.131	124010	23.790	-0.082	129114	6	3	-
	10	4500	90.1	22.390	-0.211	82904	53.970	-0.374	74730	28.110	-0.227	79870	6	3	-
	15	4500	90.5	29.190	-0.282	80694	74.180	-0.523	70371	37.700	-0.308	77196	6	3	-
	20	4500	90.7	34.340	-0.335	79192	89.990	-0.638	67275	45.420	-0.370	75192	6	3	-
	25	4500	90.9	38.330	-0.375	78100	101.09	-0.725	65289	51.010	-0.417	73859	6	3	-
	30	4500	91	41.830	-0.407	77194	110.31	-0.794	63679	55.870	-0.455	72752	6	3	-

CMP.. / DS.. / CM..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF402 2	3	122	183	275	500	5.2	7.3	8.9	8.5	6620	7600	6530	9050	10800	10800
	4	136	200	300	375	3.2	7.7	9.6	9.0	7270	8350	7170	8970	10800	10800
	6	156	205	305	250	1.5	8.1	10.2	9.6	8320	9560	8210	8940	10800	10800
	8	160	210	315	188	0.92	8.3	10.6	9.9	9140	10600	9120	8920	10800	10800
	10	124	186	275	150	1.9	10.9	15.3	13.9	9270	10800	10500	9040	10800	10800
	15	140	210	315	100	1.0	11.1	15.7	14.2	9220	10800	10800	8920	10800	10800
	20	152	220	330	75	0.62	11.2	15.9	14.5	9170	10800	10800	8870	10800	10800
	25	160	225	335	64	0.45	11.3	16.0	14.5	9140	10800	10800	8840	10800	10800
	30	160	225	335	60	0.34	11.3	16.1	14.6	9140	10800	10800	8840	10800	10800

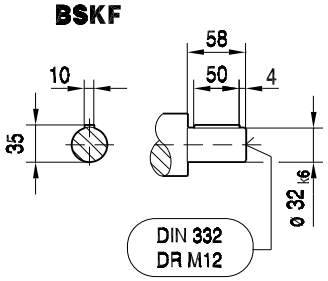
13.7 BS.F 402 / CMP / DS / CM [mm]

BSF402..

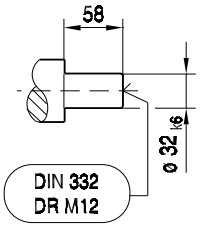
55 010 00 06



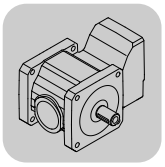
BSKF



BSF



(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	364	403	442	399	449	499		
LS	393	432	471	428	478	528		
LB	141	180	219	176	226	276		
LBS	170	209	248	205	255	305		
XS	18	18	18	14	14	14		

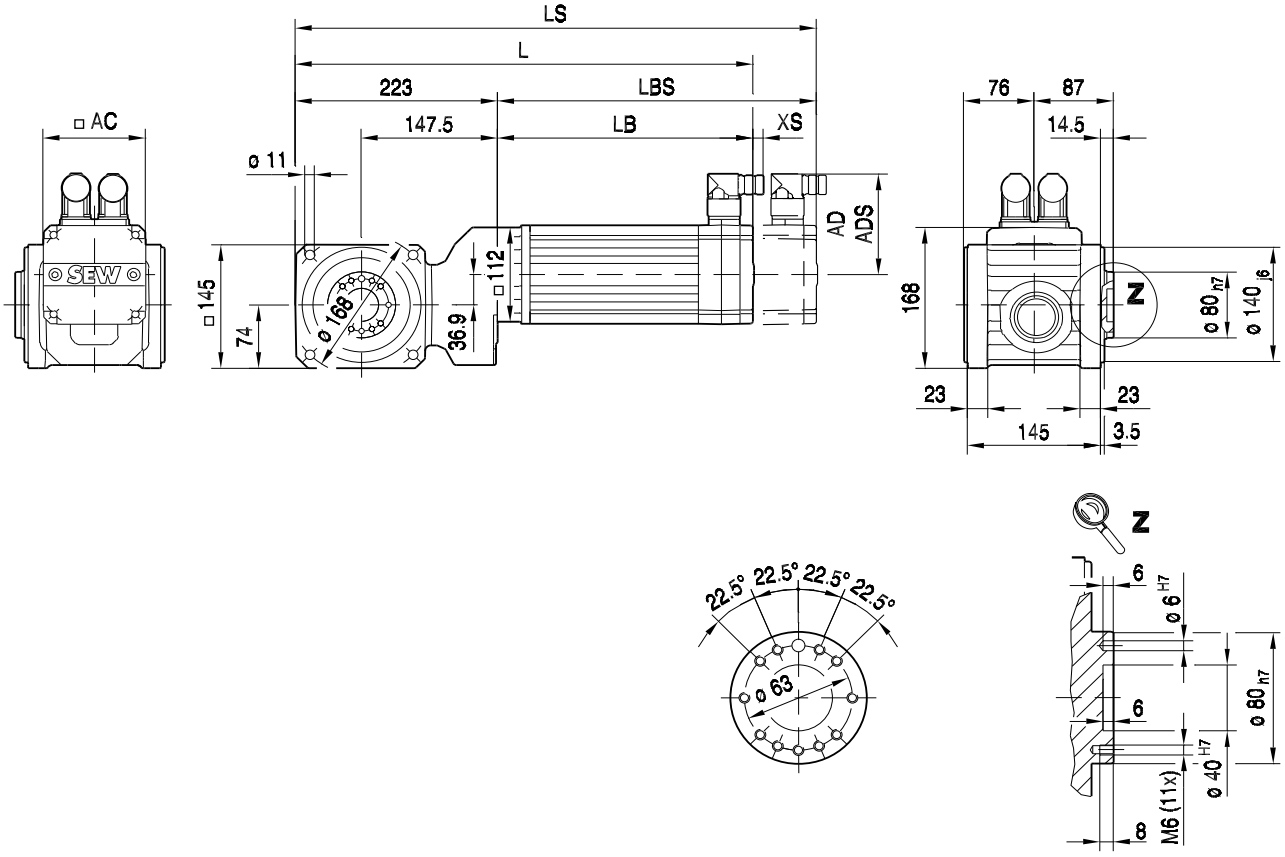


BS.F..CMP, DS, CM

BS.F 402 / CMP / DS / CM [mm]

BSBF402..

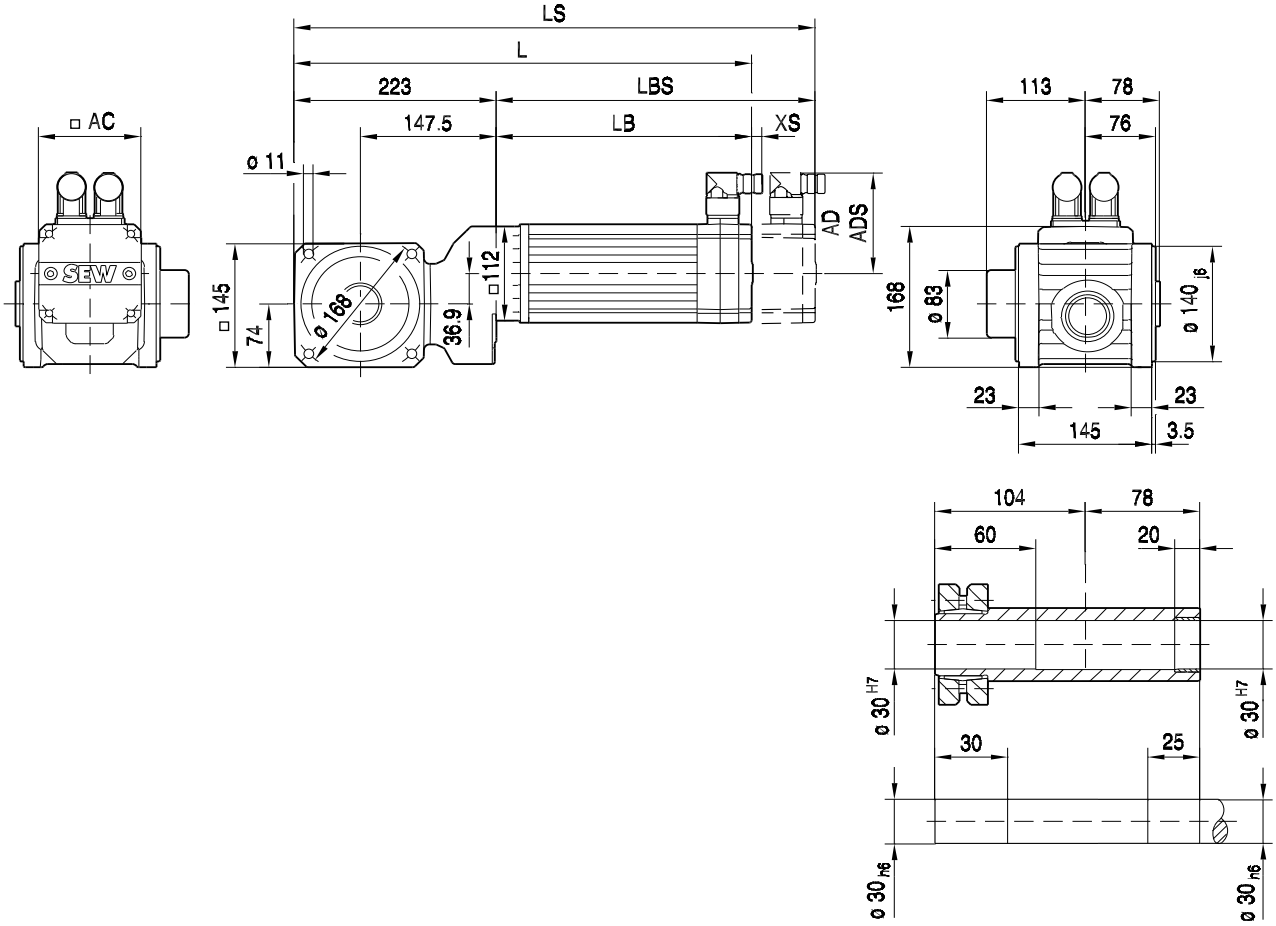
55 011 00 06



(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	364	403	442	399	449	499		
LS	393	432	471	428	478	528		
LB	141	180	219	176	226	276		
LBS	170	209	248	205	255	305		
XS	18	18	18	14	14	14		

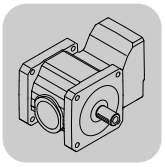
BSHF402..

55 012 00 06



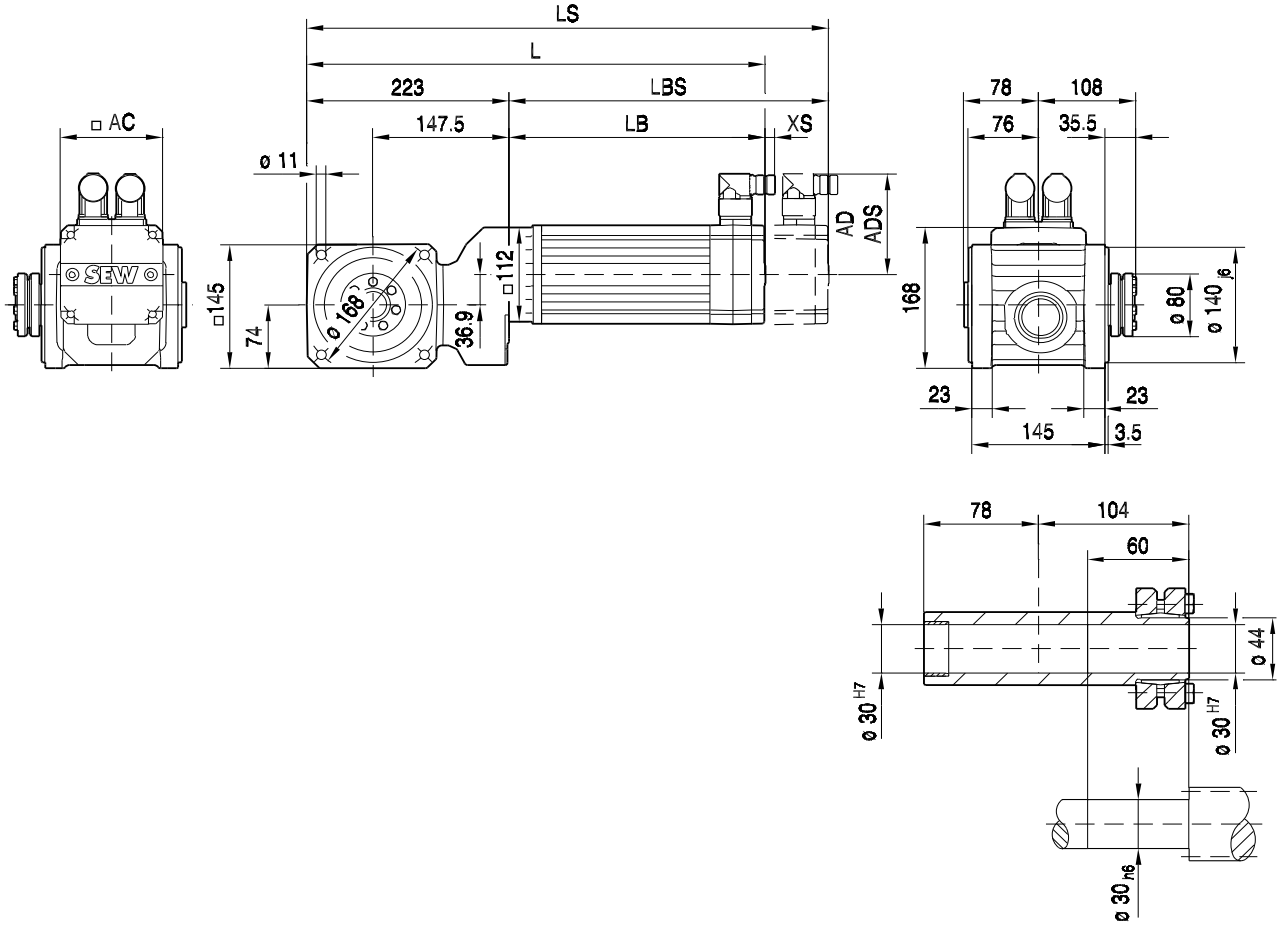
13

(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	364	403	442	399	449	499		
LS	393	432	471	428	478	528		
LB	141	180	219	176	226	276		
LBS	170	209	248	205	255	305		
XS	18	18	18	14	14	14		



BSHF402/I..

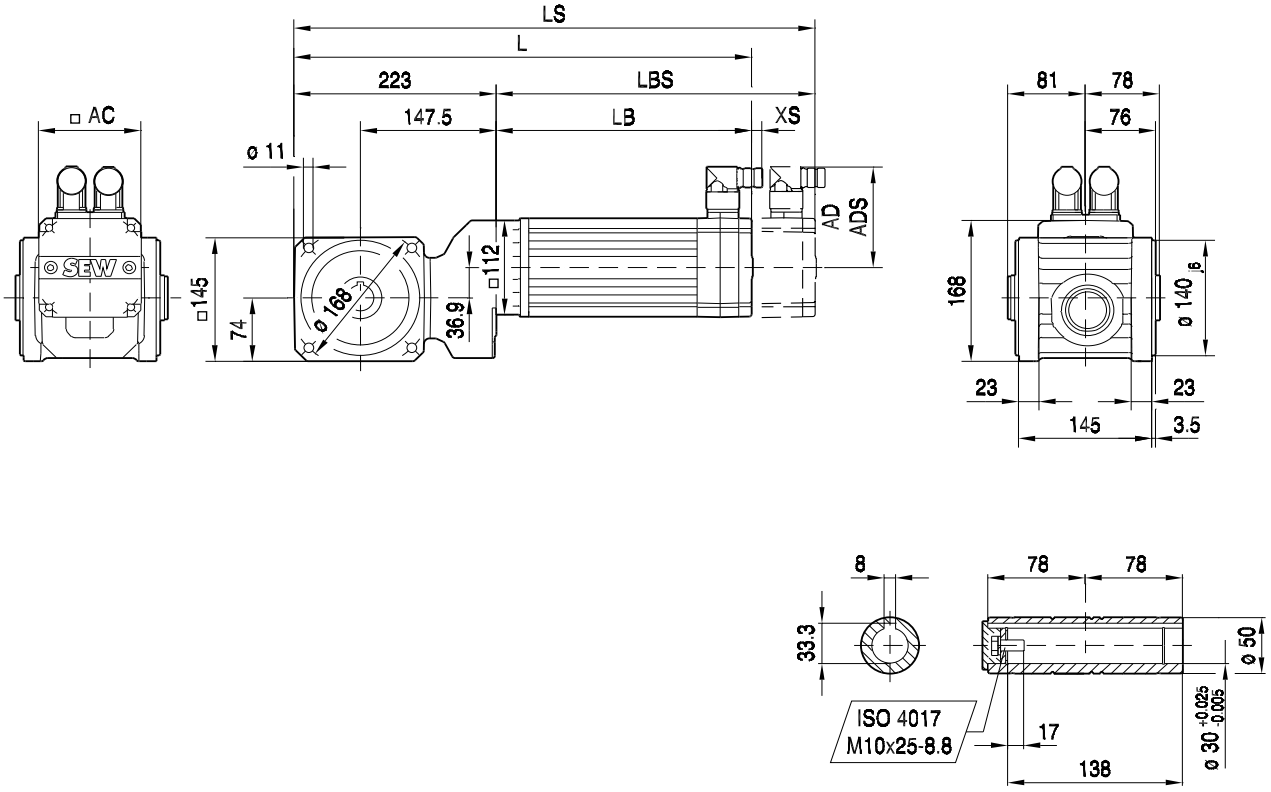
55 013 00 06



(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	364	403	442	399	449	499		
LS	393	432	471	428	478	528		
LB	141	180	219	176	226	276		
LBS	170	209	248	205	255	305		
XS	18	18	18	14	14	14		

BSAF402..

55 017 00 07

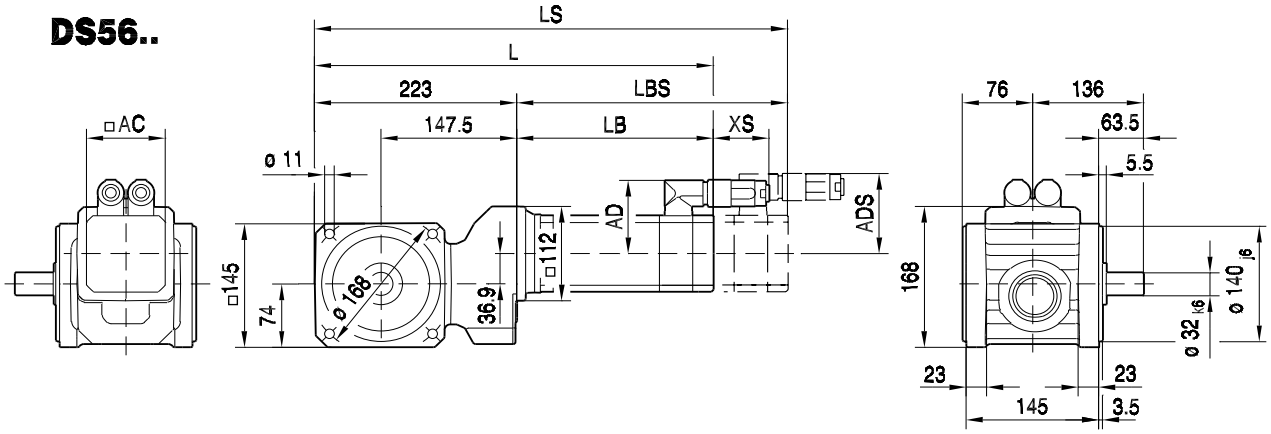


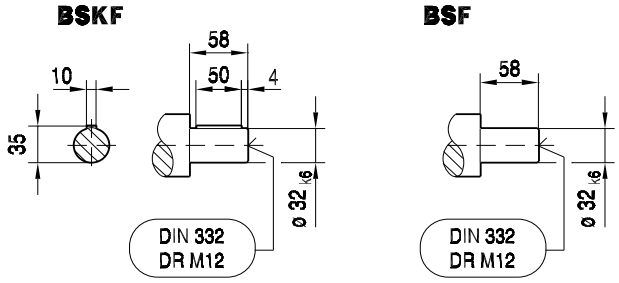
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	83	83	83	92	92	92		
ADS	83	83	83	92	92	92		
L	364	403	442	399	449	499		
LS	393	432	471	428	478	528		
LB	141	180	219	176	226	276		
LBS	170	209	248	205	255	305		
XS	18	18	18	14	14	14		

BSF402..

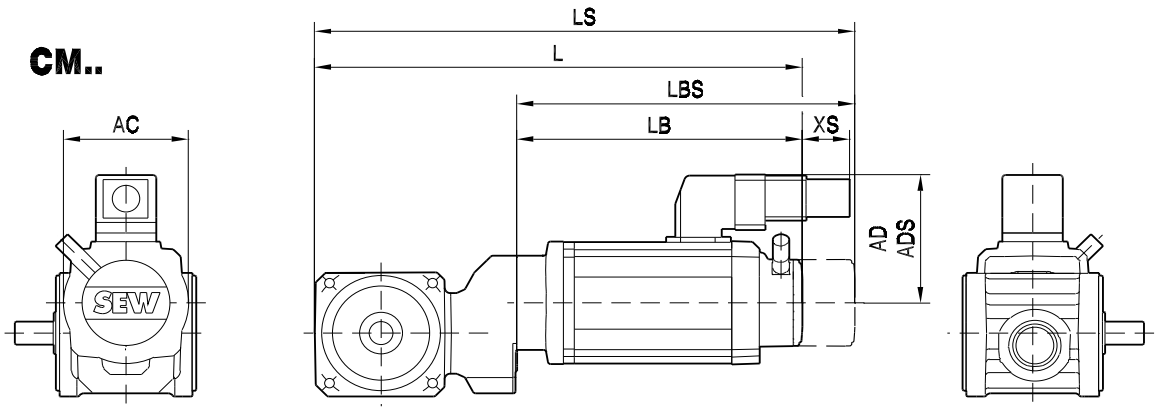
56 007 00 03

DS56..





CM..

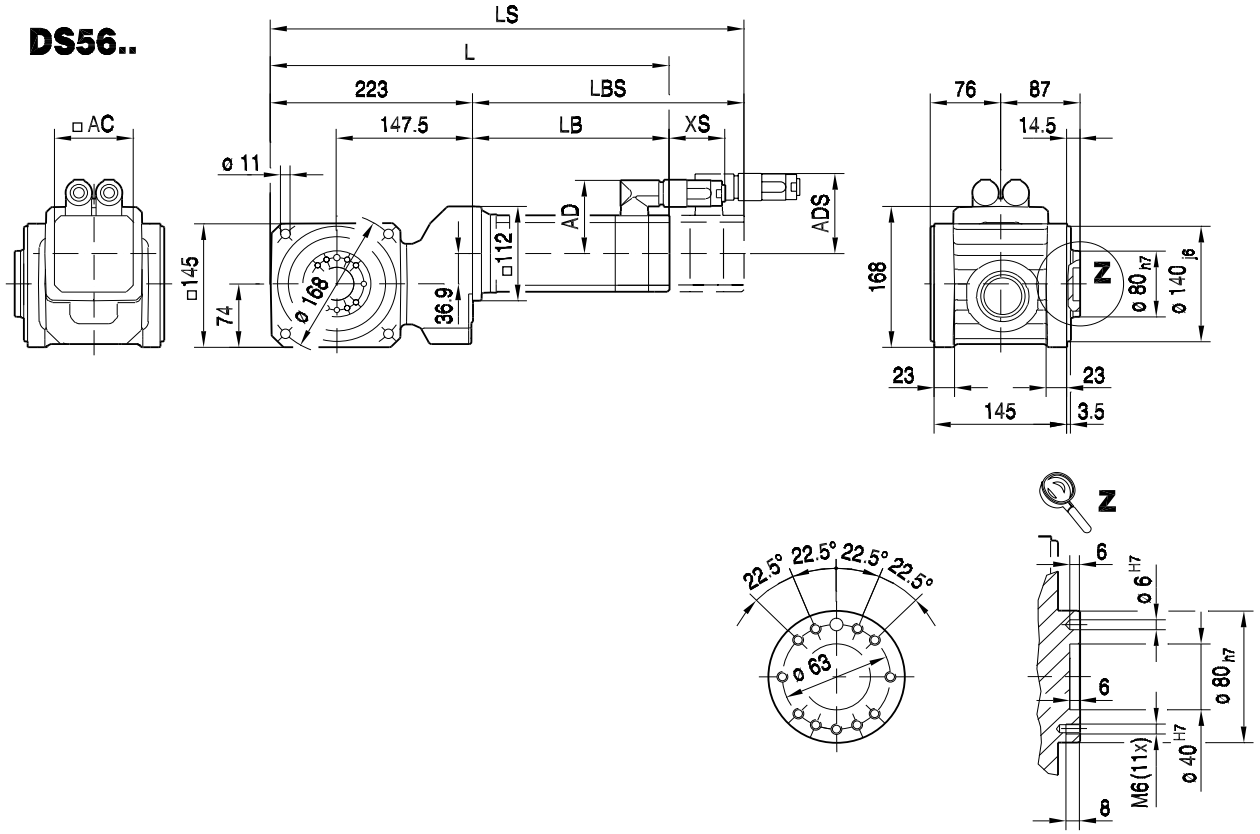


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L
AC	73	73	73	117	117	117	142	142	142
AD	71	71	77	122	122	122	140	140	140
ADS	77	77	77	122	122	122	140	140	140
L	357	389	492	457	477	517	510	537	591
LS	387	419	492	540	560	600	605	632	686
LB	134	166	269	235	255	295	287	314	368
LBS	164	196	269	317	337	377	382	409	463
XS	70	70	51	45	45	45	50	50	50

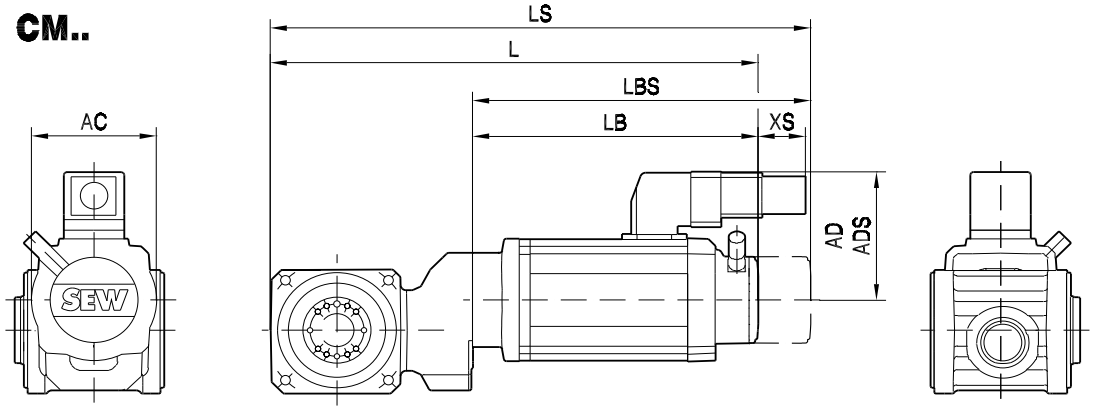
BSBF402..

56 008 00 03

DS56..



CM..

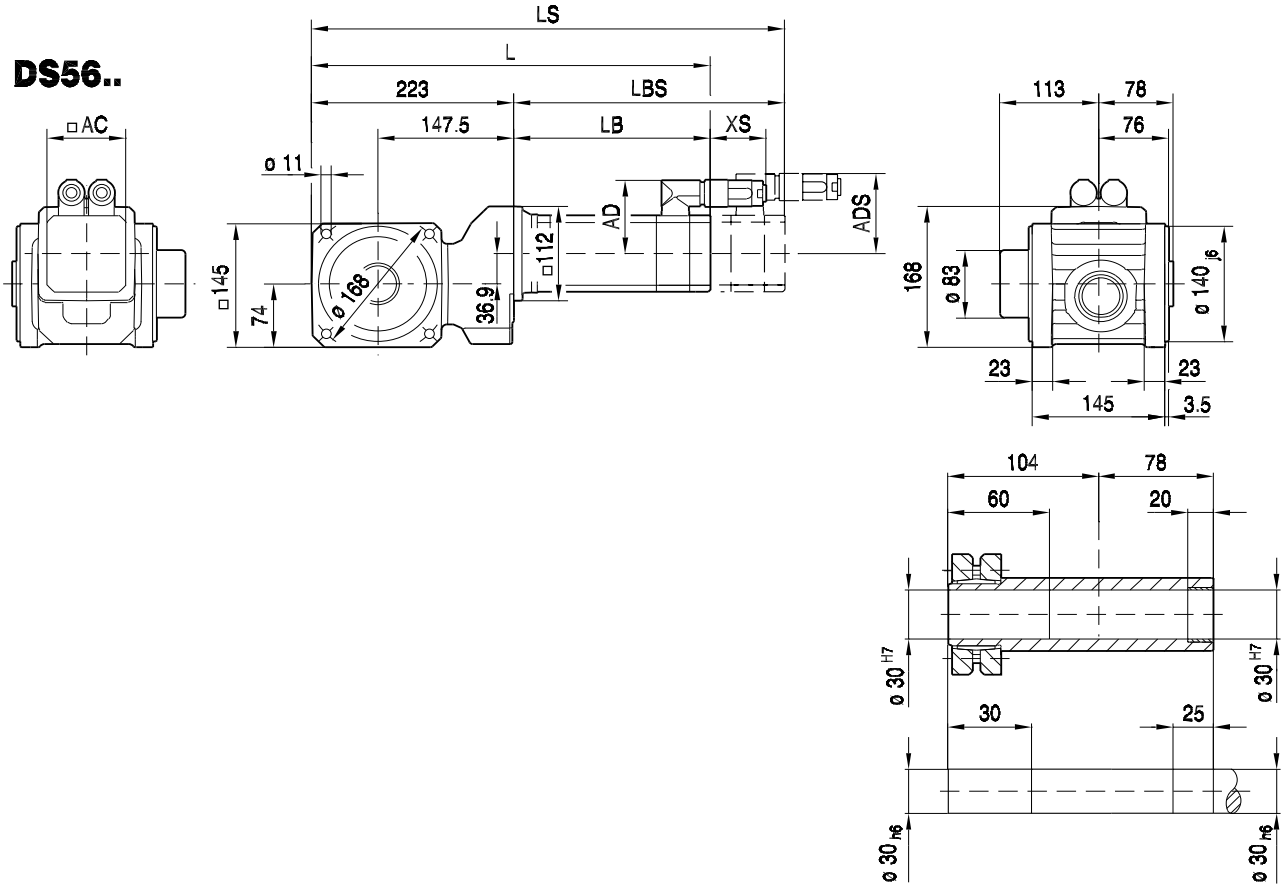


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L
AC	73	73	73	117	117	117	142	142	142
AD	71	71	77	122	122	122	140	140	140
ADS	77	77	77	122	122	122	140	140	140
L	357	389	492	457	477	517	510	537	591
LS	387	419	492	540	560	600	605	632	686
LB	134	166	269	235	255	295	287	314	368
LBS	164	196	269	317	337	377	382	409	463
XS	70	70	51	45	45	45	50	50	50

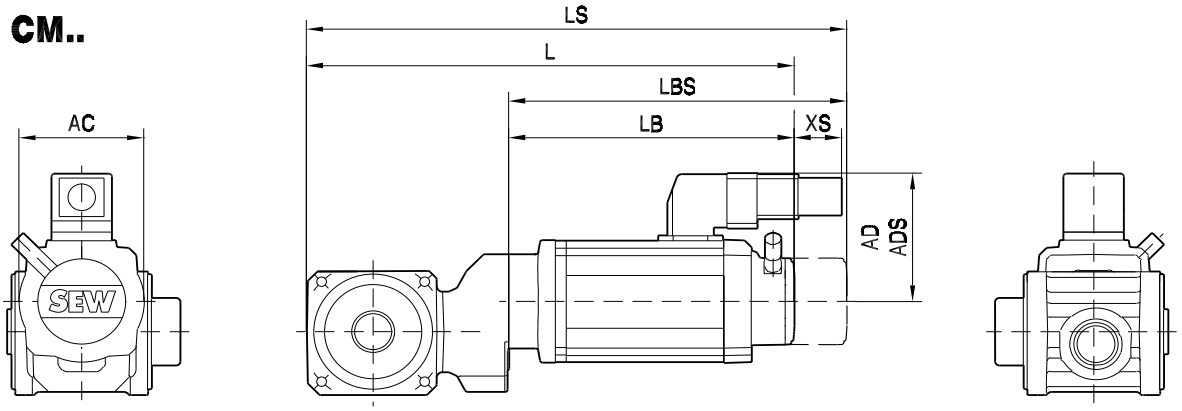
BSHF402..

56 048 00 03

DS56..



CM..

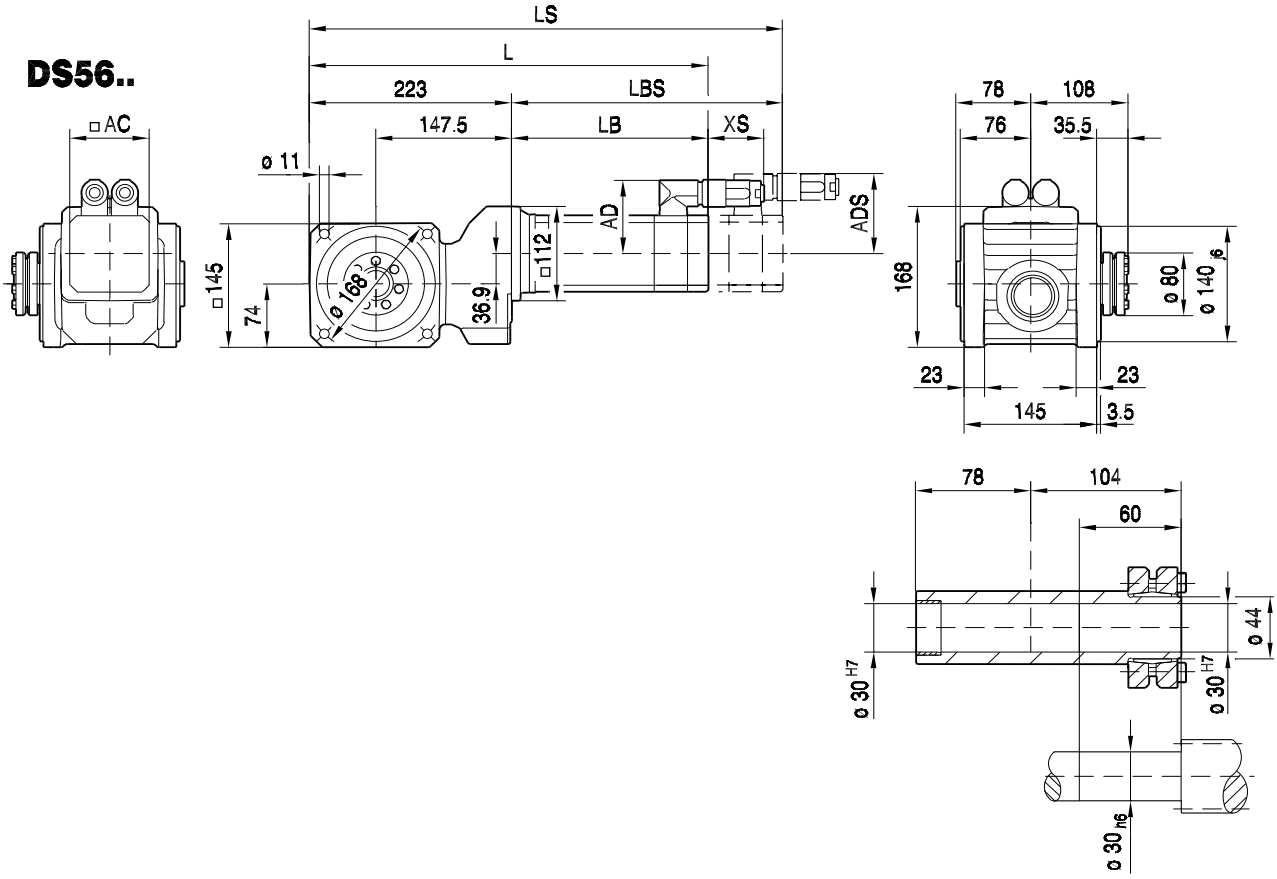


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L
AC	73	73	73	117	117	117	142	142	142
AD	71	71	77	122	122	122	140	140	140
ADS	77	77	77	122	122	122	140	140	140
L	357	389	492	457	477	517	510	537	591
LS	387	419	492	540	560	600	605	632	686
LB	134	166	269	235	255	295	287	314	368
LBS	164	196	269	317	337	377	382	409	463
XS	70	70	51	45	45	45	50	50	50

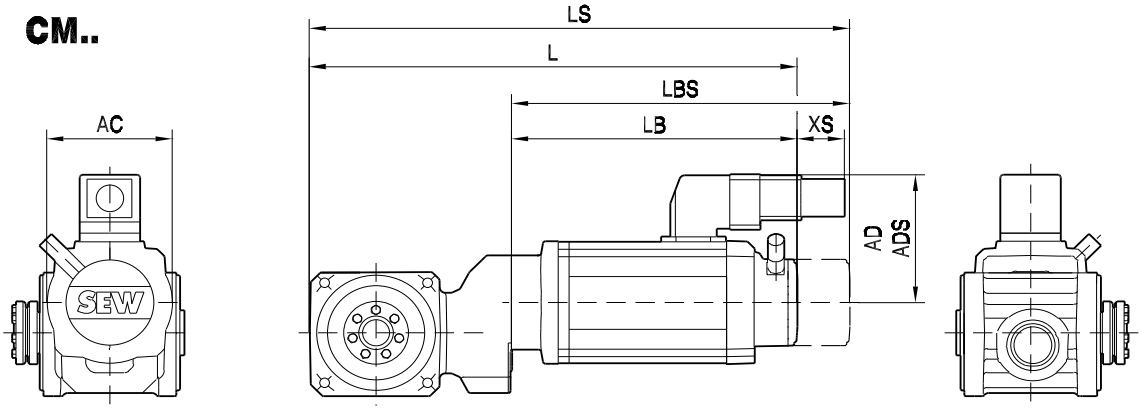
BSHF402/I..

56 009 00 03

DS56..



CM..

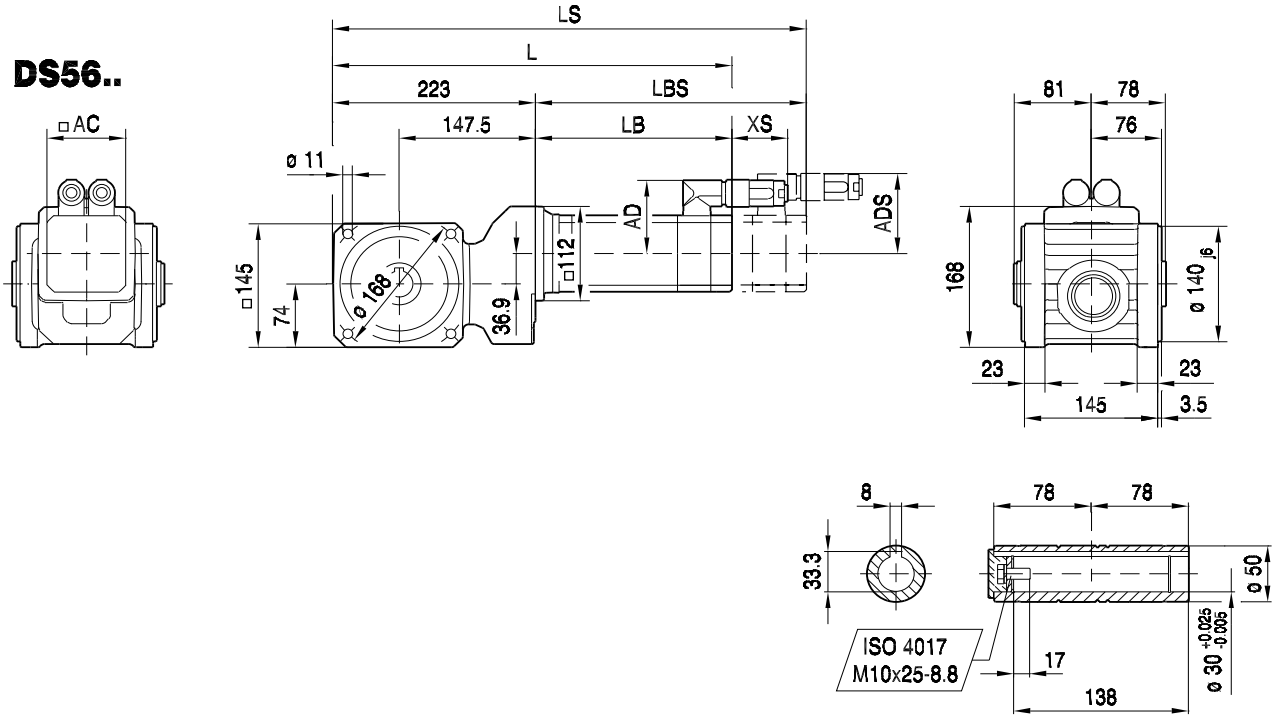


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L
AC	73	73	73	117	117	117	142	142	142
AD	71	71	77	122	122	122	140	140	140
ADS	77	77	77	122	122	122	140	140	140
L	357	389	492	457	477	517	510	537	591
LS	387	419	492	540	560	600	605	632	686
LB	134	166	269	235	255	295	287	314	368
LBS	164	196	269	317	337	377	382	409	463
XS	70	70	51	45	45	45	50	50	50

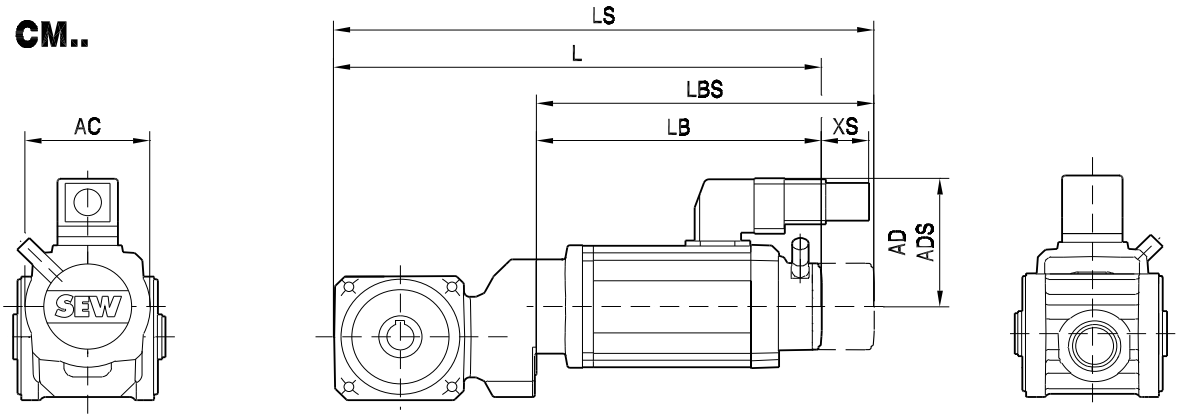
BSAF402..

55 005 00 07

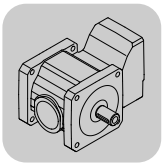
DS56..



CM..



(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L
AC	73	73	73	117	117	117	142	142	142
AD	71	71	77	122	122	122	140	140	140
ADS	77	77	77	122	122	122	140	140	140
L	357	389	492	457	477	517	510	537	591
LS	387	419	492	540	560	600	605	632	686
LB	134	166	269	235	255	295	287	314	368
LBS	164	196	269	317	337	377	382	409	463
XS	70	70	51	45	45	45	50	50	50



13.8 BS.F 502 / CMP / CM [Nm]

M_{aDyn} [Nm]		CMP						CM						
	i	63S	63M	63L	71S	71M	71L	71S	71M	71L	90S	90M	90L	112S
BSF502 2	3												213	232
	4		81	114	69	104	172	62	81	118	149	196	285	310
	6	63	121	172	103	155	259	93	121	177	224	295	>410	>410
	8	84	161	229	138	207	345	124	162	236	298	393		
	10		194	275	166	249	>375	149	195	284	358	>375	>375	>375
	12	125	241		206			186	243					
	15	151	291	>375	248	373	>375	224	292	>375	>375	>375	>375	>375
	20	201	>375	>375	331	>375	>375	299	>375	>375	>375	>375		
	25	251	>375	>375	>375	>375	>375	373	>375	>375	>375			
	30	302	>375		>375			>375	>375					
	35	352												

m [kg]		CMP						CM						
	s	63S	63M	63L	71S	71M	71L	71S	71M	71L	90S	90M	90L	112S
BSF502	2	33	34	36	37	38	41	38	39	43	48	51	56	58
BSBF: + 0.4 kg / BSHF: + -1.0 kg														

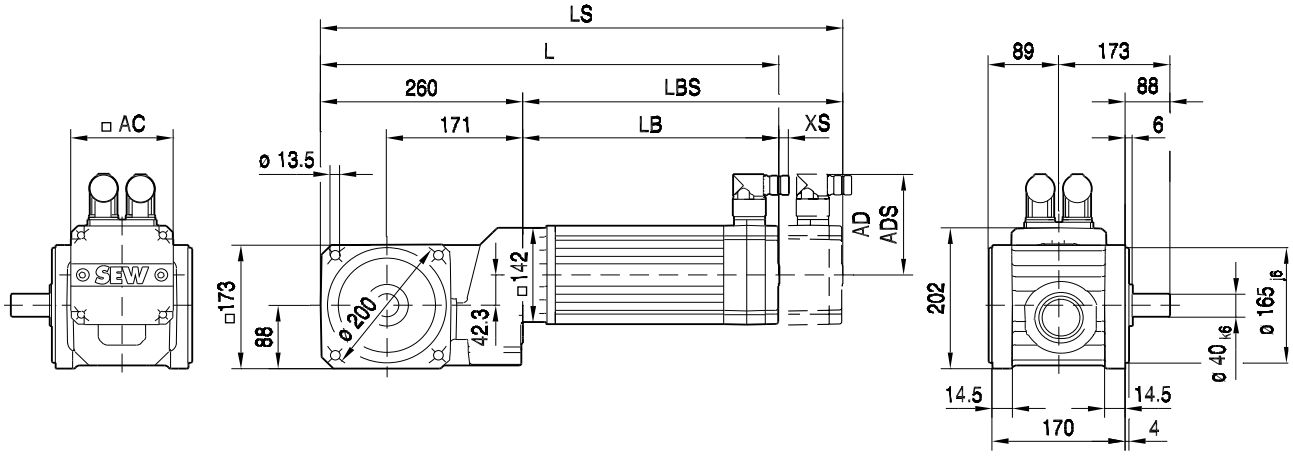
CMP.. / CM..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
BSF502 2	3	4500	94.1	21.290	-0.055	184165	18.470	-0.081	183632	32.710	-0.077	180058	6	3	-
	4	4500	94.1	20.570	-0.065	183623	16.990	-0.097	182939	34.950	-0.094	178708	6	3	-
	6	4500	94.1	19.770	-0.080	182775	14.920	-0.121	181967	37.600	-0.120	177200	6	3	-
	8	4500	94.1	19.260	-0.090	182213	13.390	-0.137	181401	39.070	-0.138	176411	6	3	-
	10	4500	90.5	-6.620	-0.203	120320	-17.470	-0.316	119454	22.510	-0.334	115909	6	3	-
	12	4500	94	18.420	-0.103	181624	11.520	-0.158	180702	40.770	-0.162	175563	6	3	-
	15	4500	90.5	-8.980	-0.257	119313	-22.970	-0.403	118384	27.690	-0.441	114160	6	3	-
	20	4500	90.5	-10.770	-0.295	118759	-26.040	-0.466	117558	31.720	-0.518	112896	6	3	-
	25	4500	90.5	-11.480	-0.324	118189	-28.420	-0.511	117063	34.290	-0.575	112134	6	3	-
	30	4500	90.6	-12.280	-0.345	117868	-30.160	-0.546	116700	36.580	-0.620	111510	6	3	-
	35	4500	90.6	-12.890	-0.362	117623	-31.460	-0.574	116419	38.290	-0.655	111052	6	3	-

CMP.. / CM..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF502 2	3	310	385	575	533	12	23.0	27.0	25.0	10200	12200	11000	12000	14400	14400
	4	320	400	600	450	7.3	25.0	31.0	27.0	11200	13400	12100	11900	14400	14400
	6	320	410	615	450	3.6	27.0	33.0	30.0	12200	14400	13800	11900	14400	14400
	8	320	420	630	450	6.2	28.0	35.0	31.0	12200	14400	14400	11800	14400	14400
	10	250	375	560	500	4.0	31.0	35.0	33.0	12300	14400	14400	12000	14400	14400
	12	300	410	615	583	1.1	28.0	36.0	31.0	12200	14400	14400	11900	14400	14400
	15	250	375	560	467	2.1	32.0	36.0	34.0	12300	14400	14400	12000	14400	14400
	20	250	375	560	350	1.3	32.0	37.0	35.0	12300	14400	14400	12000	14400	14400
	25	250	375	560	280	0.92	33.0	37.0	35.0	12300	14400	14400	12000	14400	14400
	30	250	375	560	233	0.70	33.0	37.0	35.0	12300	14400	14400	12000	14400	14400
	35	250	375	560	200	0.56	32.0	37.0	35.0	12300	14400	14400	12000	14400	14400

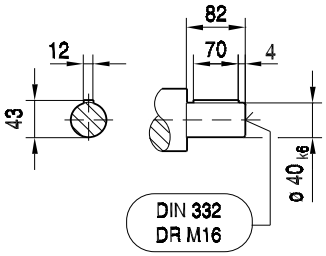
13.9 BS.F 502 / CMP / CM [mm]

BSF502..

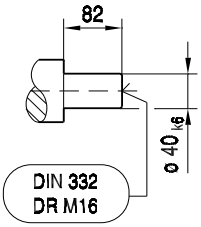
55 014 00 06



BSKF



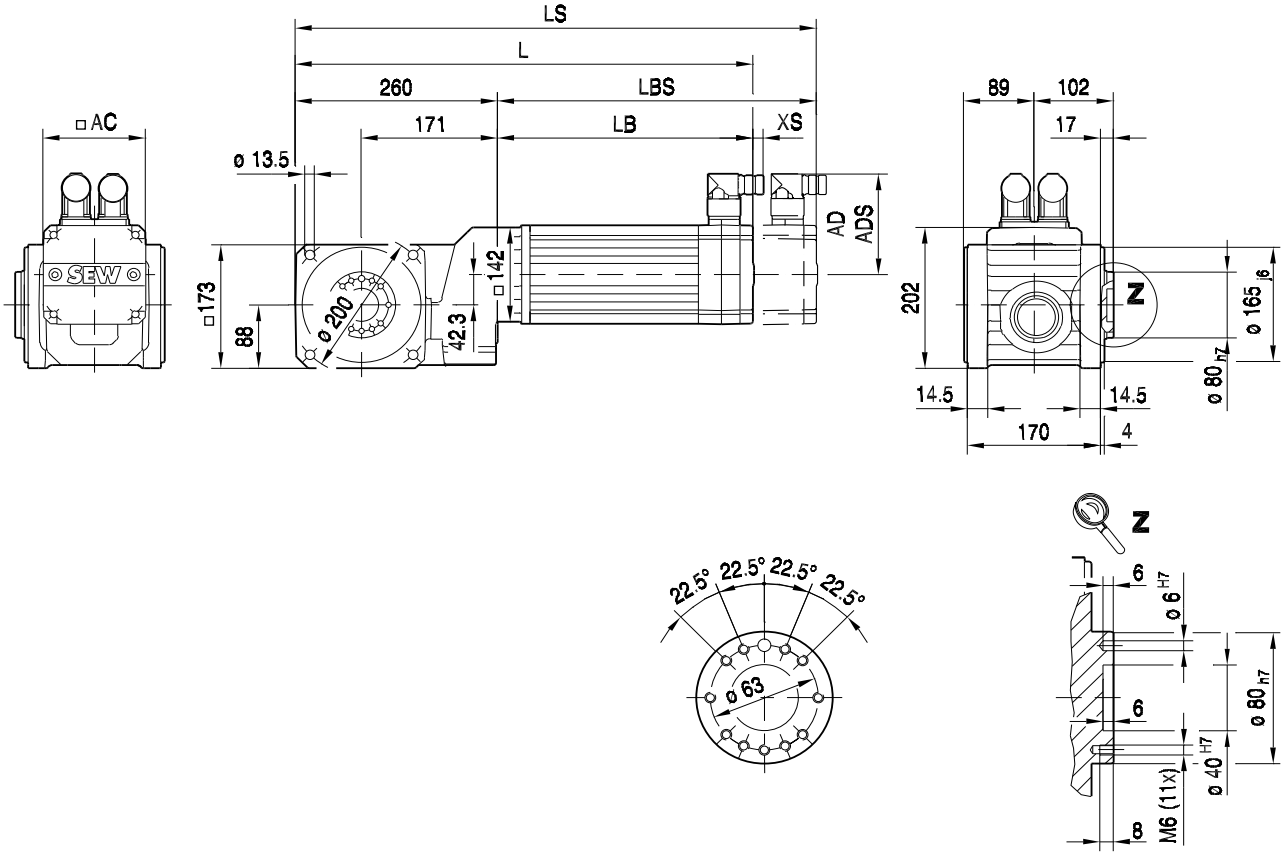
BSF



(→ 150)	CMP63S	CMP63M	CMP63L					
AC	88	88	88					
AD	92	92	92					
ADS	92	92	92					
L	428	478	528					
LS	457	507	557					
LB	168	218	268					
LBS	197	247	297					
XS	14	14	14					

BSBF502..

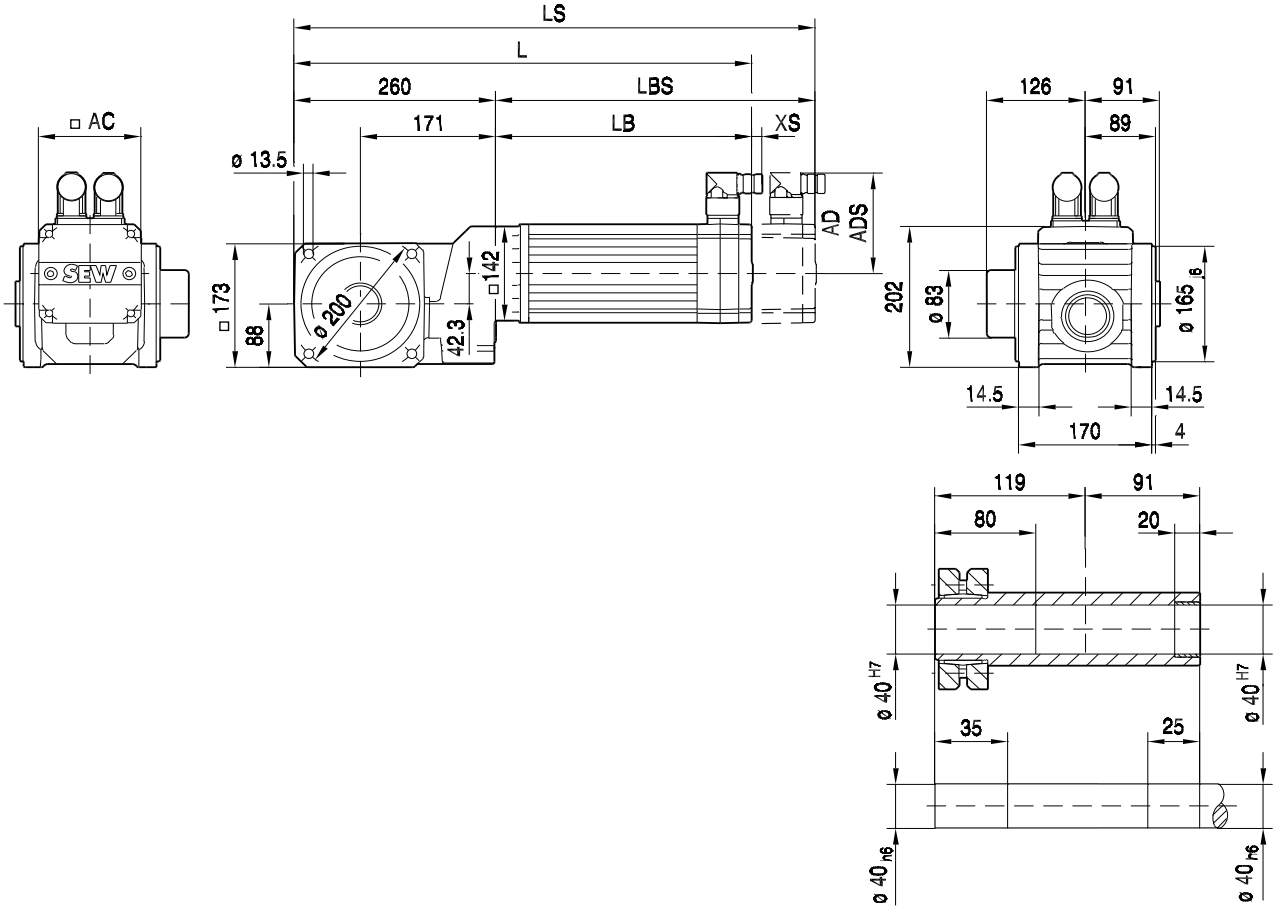
55 015 00 06



(→ 📖 150)	CMP63S	CMP63M	CMP63L					
AC	88	88	88					
AD	92	92	92					
ADS	92	92	92					
L	428	478	528					
LS	457	507	557					
LB	168	218	268					
LBS	197	247	297					
XS	14	14	14					

BSHF502..

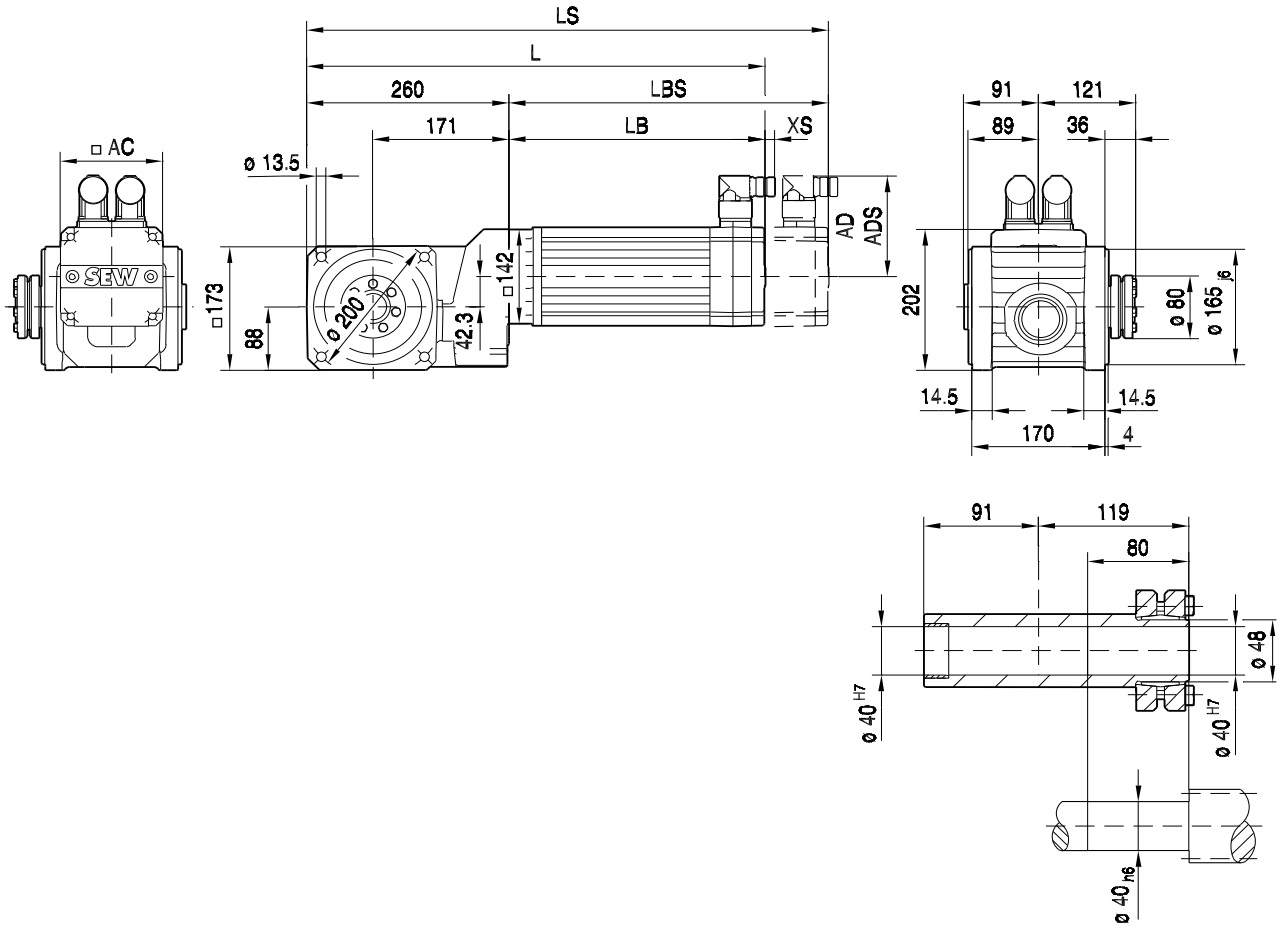
55 016 00 06



(→ 📖 150)	CMP63S	CMP63M	CMP63L					
AC	88	88	88					
AD	92	92	92					
ADS	92	92	92					
L	428	478	528					
LS	457	507	557					
LB	168	218	268					
LBS	197	247	297					
XS	14	14	14					

BSHF502/I..

55 017 00 06

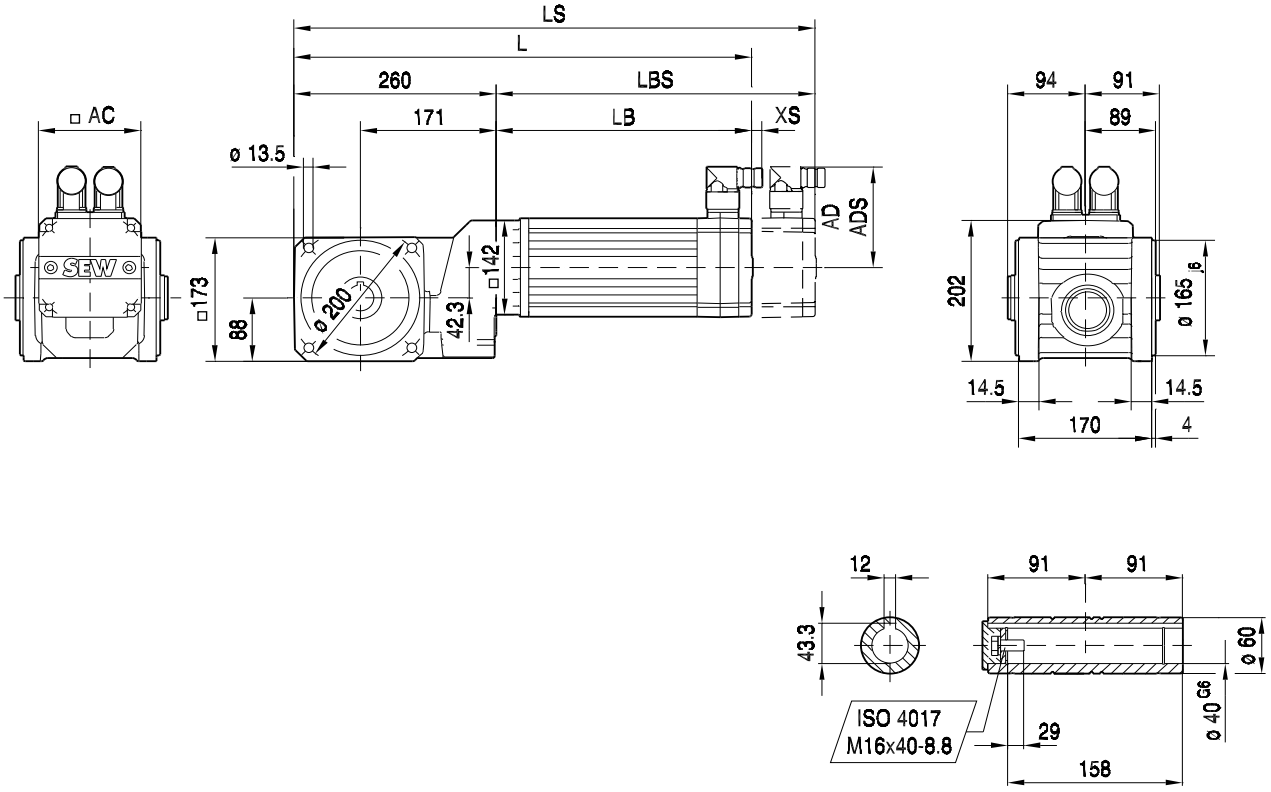


13

(→ 📖 150)	CMP63S	CMP63M	CMP63L					
AC	88	88	88					
AD	92	92	92					
ADS	92	92	92					
L	428	478	528					
LS	457	507	557					
LB	168	218	268					
LBS	197	247	297					
XS	14	14	14					

BSAF502..

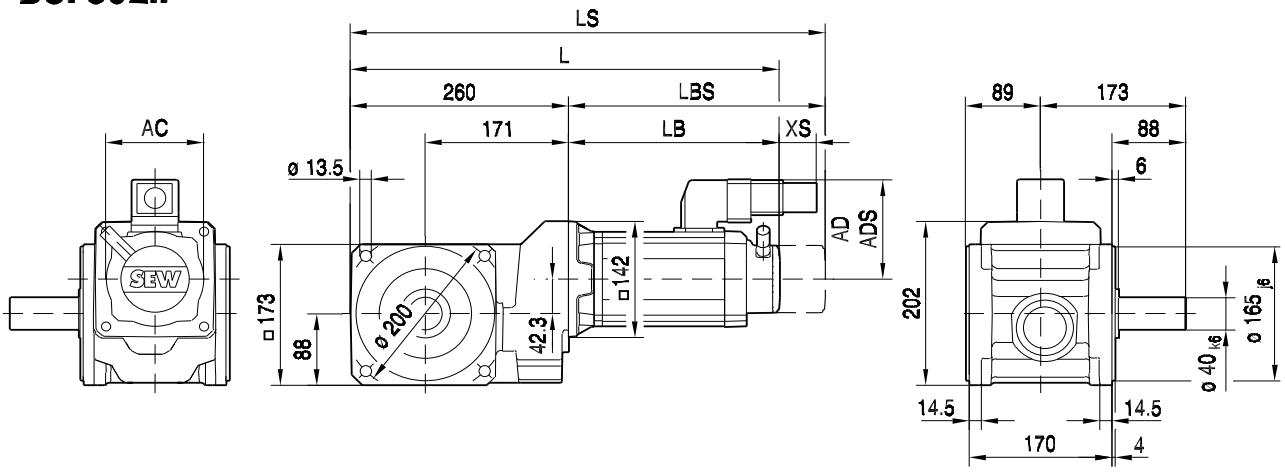
55 018 00 07



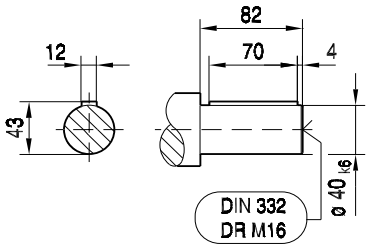
(→ 📖 150)	CMP63S	CMP63M	CMP63L					
AC	88	88	88					
AD	92	92	92					
ADS	92	92	92					
L	428	478	528					
LS	457	507	557					
LB	168	218	268					
LBS	197	247	297					
XS	14	14	14					

BSF502..

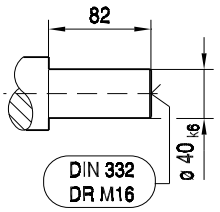
56 010 00 03



BSKF



BSF

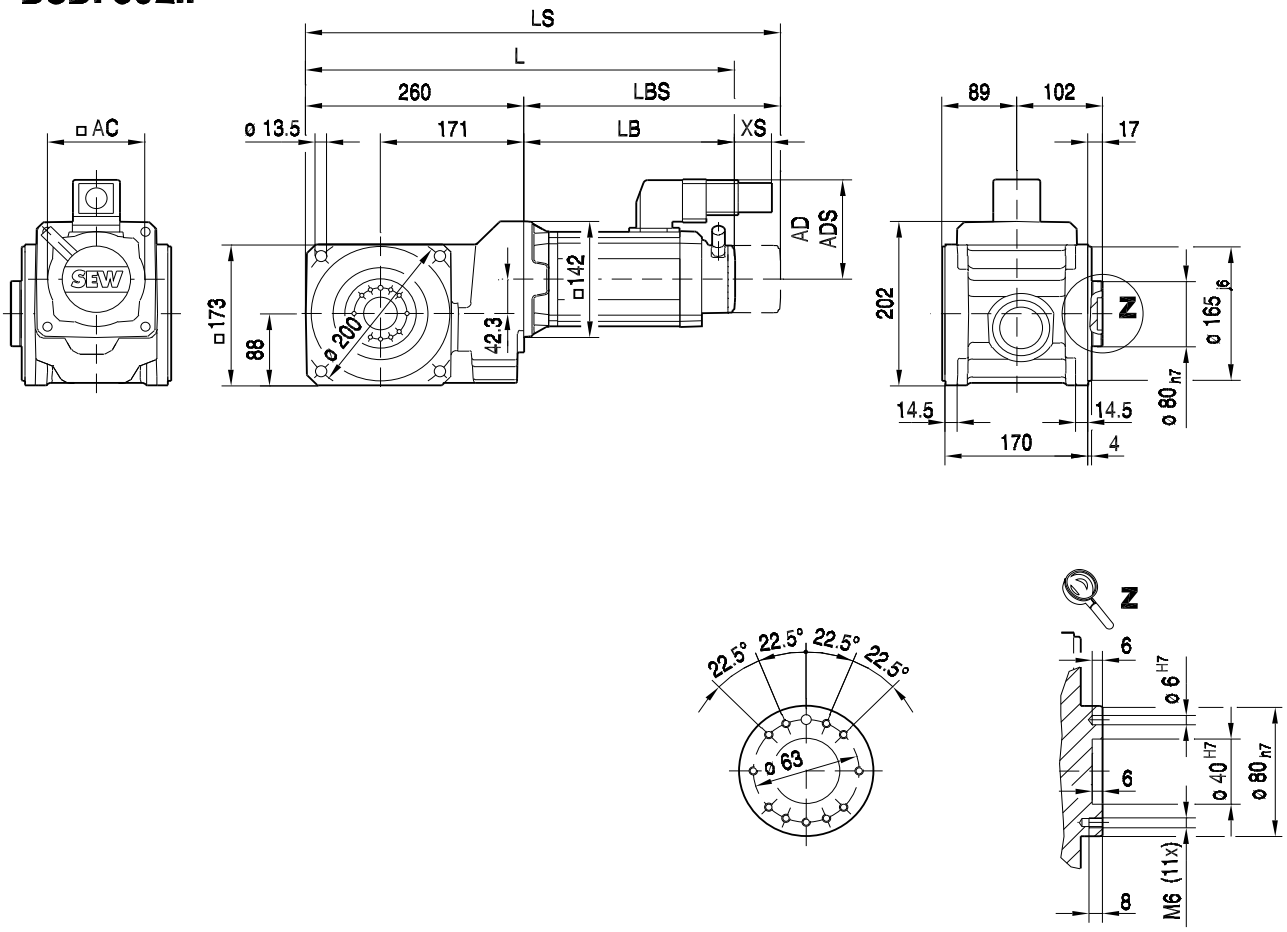


13

(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	
AC	117	117	117	142	142	142	186	
AD	122	122	122	140	140	140	162	
ADS	122	122	122	140	140	140	162	
L	487	507	547	539	566	620	574	
LS	569	589	629	634	661	715	664	
LB	227	247	287	279	306	360	314	
LBS	309	329	369	374	401	455	404	
XS	45	45	45	50	50	50	36	

BSBF502..

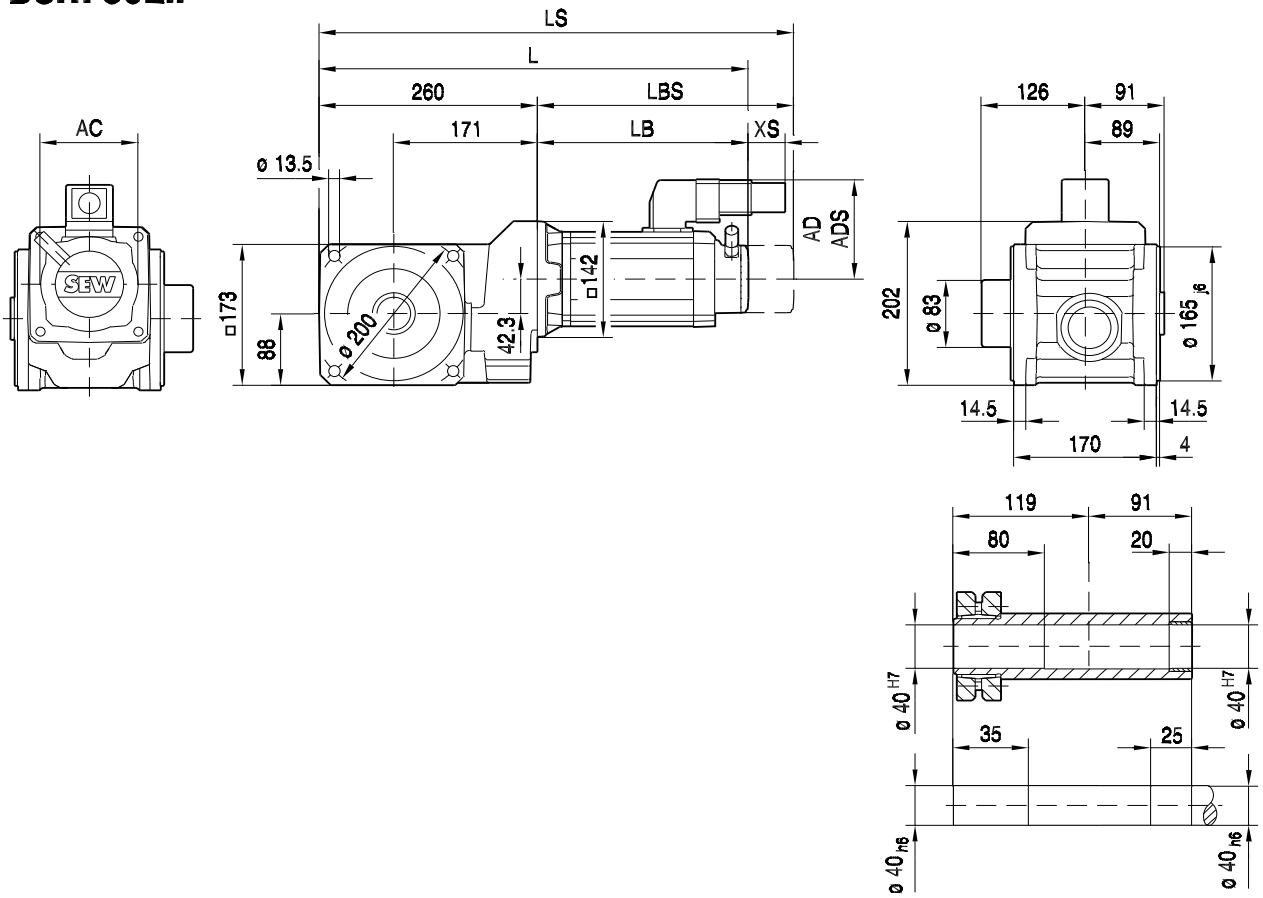
56 011 00 03



(→ 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	
AC	117	117	117	142	142	142	186	
AD	122	122	122	140	140	140	162	
ADS	122	122	122	140	140	140	162	
L	487	507	547	539	566	620	574	
LS	569	589	629	634	661	715	664	
LB	227	247	287	279	306	360	314	
LBS	309	329	369	374	401	455	404	
XS	45	45	45	50	50	50	36	

BSHF502..

56 050 00 03

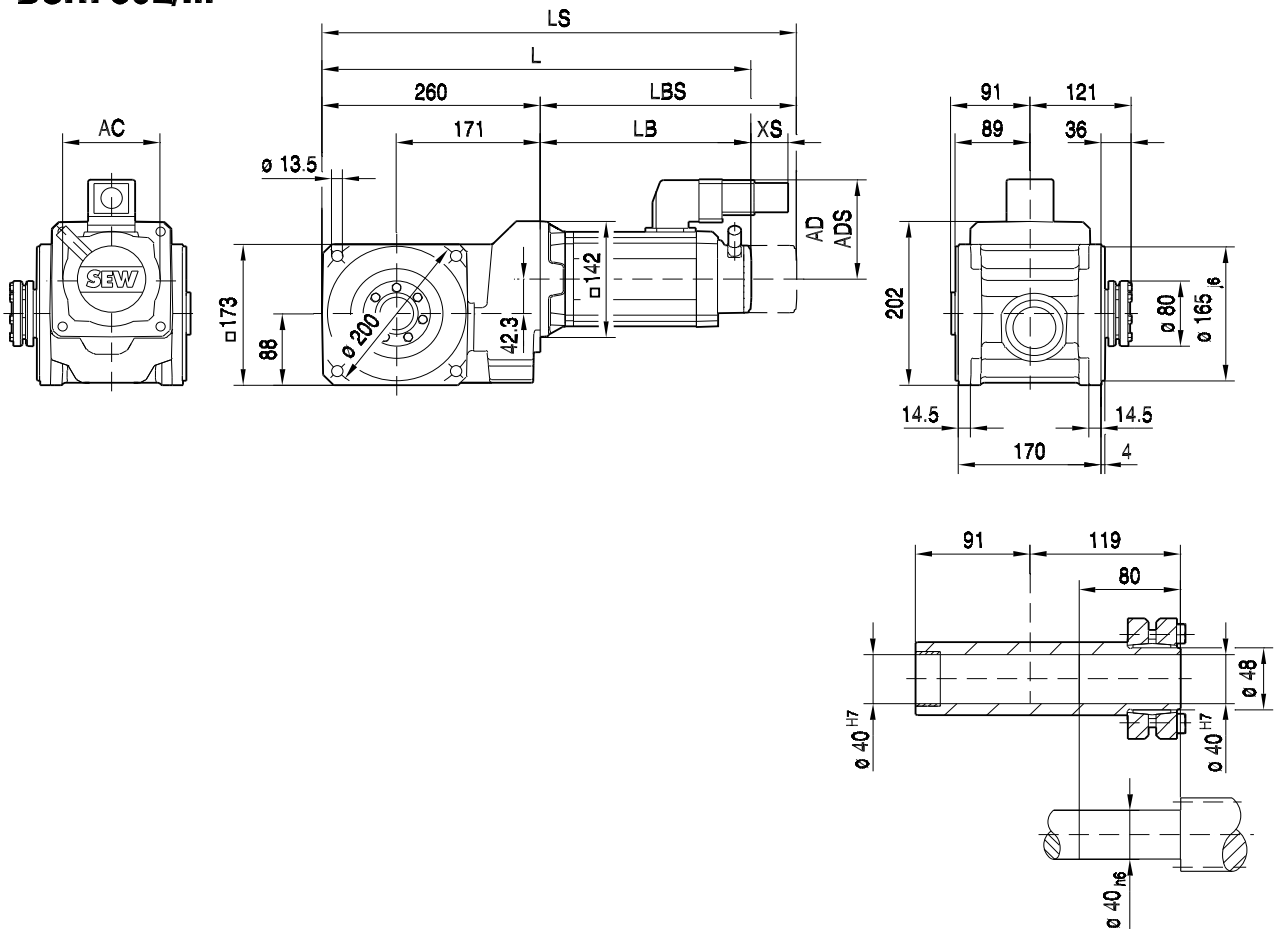


13

(→ 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	
AC	117	117	117	142	142	142	186	
AD	122	122	122	140	140	140	162	
ADS	122	122	122	140	140	140	162	
L	487	507	547	539	566	620	574	
LS	569	589	629	634	661	715	664	
LB	227	247	287	279	306	360	314	
LBS	309	329	369	374	401	455	404	
XS	45	45	45	50	50	50	36	

BSHF502/I..

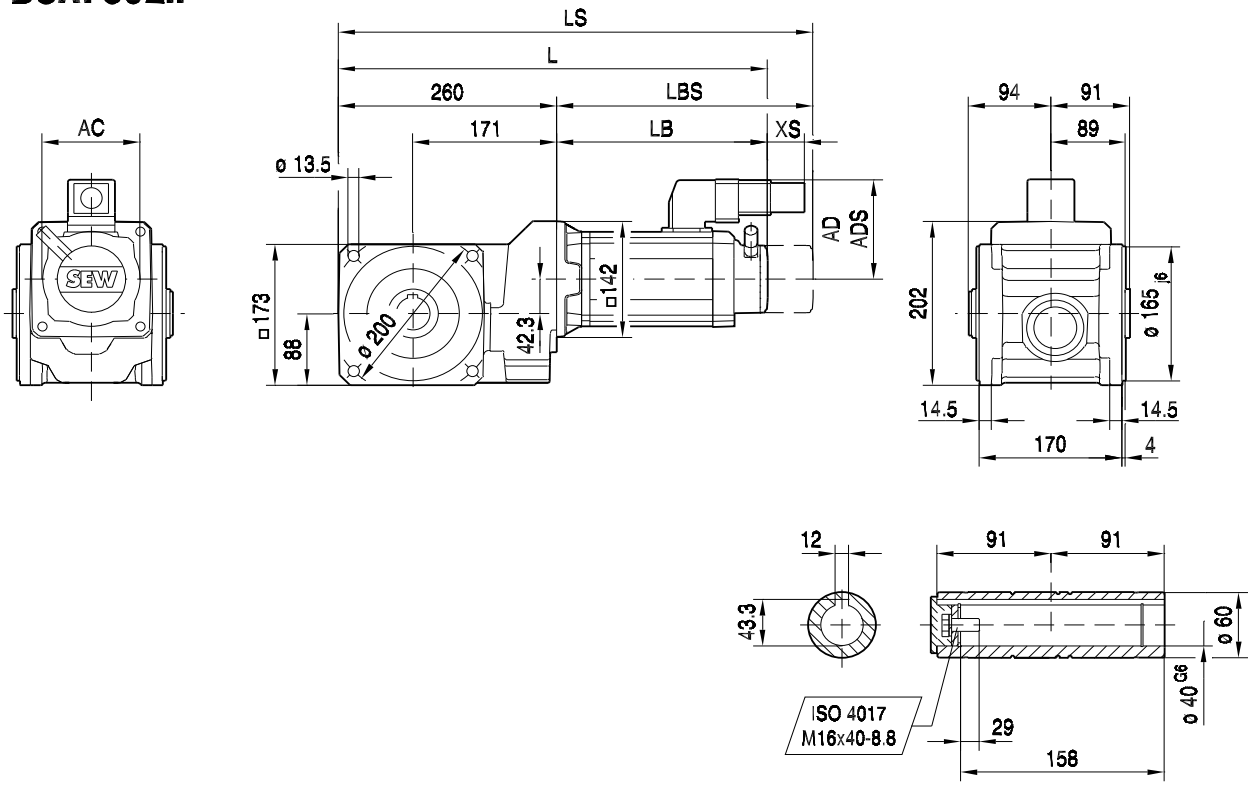
56 012 00 03



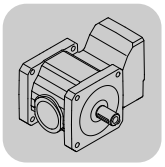
(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	
AC	117	117	117	142	142	142	186	
AD	122	122	122	140	140	140	162	
ADS	122	122	122	140	140	140	162	
L	487	507	547	539	566	620	574	
LS	569	589	629	634	661	715	664	
LB	227	247	287	279	306	360	314	
LBS	309	329	369	374	401	455	404	
XS	45	45	45	50	50	50	36	

BSAF502..

55 006 00 07



(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	
AC	117	117	117	142	142	142	186	
AD	122	122	122	140	140	140	162	
ADS	122	122	122	140	140	140	162	
L	487	507	547	539	566	620	574	
LS	569	589	629	634	661	715	664	
LB	227	247	287	279	306	360	314	
LBS	309	329	369	374	401	455	404	
XS	45	45	45	50	50	50	36	



13.10 BS.F 602 / CMP / CM [Nm]

M_{aDyn} [Nm]		CMP					CM									
	i	63M	63L	71S	71M	71L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
BSF602 2	3													306	444	671
	4		114		104	172			118	149	196	285	310	408	593	>715
	6	121	172	103	155	259	93	121	177	224	295	427	465	613	>800	
	8	161	229	138	207	345	124	162	236	298	393	569	620			
	10		276		250	416			285	360	474	687	748	>750	>750	>750
	12	241	343	206	310	517	186	243	354	447						
	15	291	414	249	375	624	225	293	428	539	711	>750	>750	>750	>750	
	20	389	552	332	499	>750	300	390	570	719	>750	>750	>750			
	25	486	691	416	625	>750	375	489	714	>750	>750					
	30	584	>750	499	750	>750	450	586	>750	>750						
	35	681		582			525	684								
	40	>750		665			600	>750								

m [kg]		CMP					CM									
	s	63M	63L	71S	71M	71L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
BSF602	2	51	53	54	55	58	55	56	60	65	68	73	75	80	95	100
BSBF: + 0.3 kg / BSHF: + -2.9 kg																

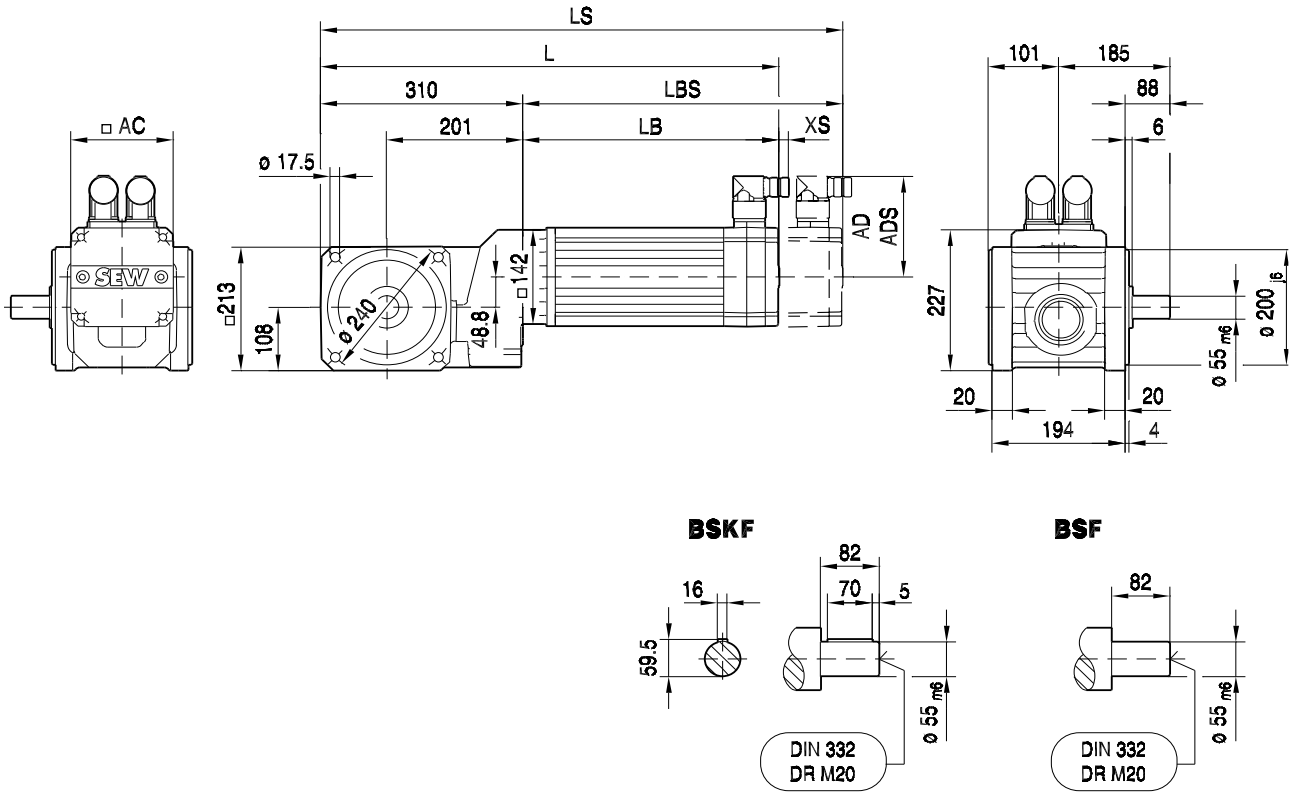
CMP.. / CM..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
BSF602 2	3	4500	94	-1.220	-0.060	258182	17.380	-0.144	253939	36.730	-0.132	247267	6	3	-
	4	4500	94.1	-3.350	-0.071	257389	17.940	-0.178	252543	42.420	-0.166	244809	6	3	-
	6	4500	94.1	-6.350	-0.086	256315	18.500	-0.230	250689	50.090	-0.218	241723	6	3	-
	8	4500	94.1	-8.400	-0.097	255637	18.730	-0.267	249529	54.770	-0.255	239958	6	3	-
	10	4500	90.9	-47.500	-0.236	167324	-14.520	-0.678	162357	41.590	-0.662	155420	6	3	-
	12	4500	94	-11.010	-0.111	254840	18.580	-0.314	248244	60.300	-0.303	237995	6	3	-
	15	4500	90.8	-55.050	-0.294	166158	-15.400	-0.892	160319	47.820	-0.869	154910	6	3	-
	20	4500	90.8	-60.080	-0.333	165439	-17.900	-1.036	159395	52.820	-1.018	154092	6	3	-
	25	4500	90.9	-63.710	-0.362	164961	-18.710	-1.146	158560	57.420	-1.130	153134	6	3	-
	30	4500	90.9	-66.470	-0.383	164630	-19.570	-1.230	158019	60.840	-1.217	152406	6	3	-
	35	4500	90.9	-68.080	-0.402	164287	-20.310	-1.295	157620	64.770	-1.290	151662	6	3	-
	40	4500	90.9	-69.660	-0.415	164073	-20.990	-1.347	157322	67.100	-1.346	151214	6	3	-

CMP.. / CM..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF602 2	3	505	700	1050	500	35	45.0	49.0	49.0	15400	17600	15900	24000	24000	24000
	4	575	715	1070	375	21	47.0	52.0	52.0	16700	19100	17200	24000	24000	24000
	6	610	800	1200	250	10	50.0	56.0	55.0	19000	21700	19600	24000	24000	24000
	8	640	780	1170	213	6.2	52.0	58.0	58.0	20800	23800	21500	24000	24000	24000
	10	520	750	1120	200	9.9	76.0	90.0	87.0	22400	24000	23100	24000	24000	24000
	12	550	775	1160	408	2.9	54.0	60.0	60.0	24000	24000	24000	24000	24000	24000
	15	520	750	1120	187	5.3	77.0	92.0	89.0	24000	24000	24000	24000	24000	24000
	20	520	750	1120	190	3.5	74.0	88.0	85.0	24000	24000	24000	24000	24000	24000
	25	520	750	1120	192	2.5	76.0	90.0	86.0	24000	24000	24000	24000	24000	24000
	30	520	750	1120	193	1.7	74.0	88.0	85.0	24000	24000	24000	24000	24000	24000
	35	520	750	1120	200	1.4	73.0	87.0	83.0	24000	24000	24000	24000	24000	24000
	40	520	750	1120	175	1.1	74.0	87.0	84.0	24000	24000	24000	24000	24000	24000

13.11 BS.F 602 / CMP / CM [mm]

BSF602..

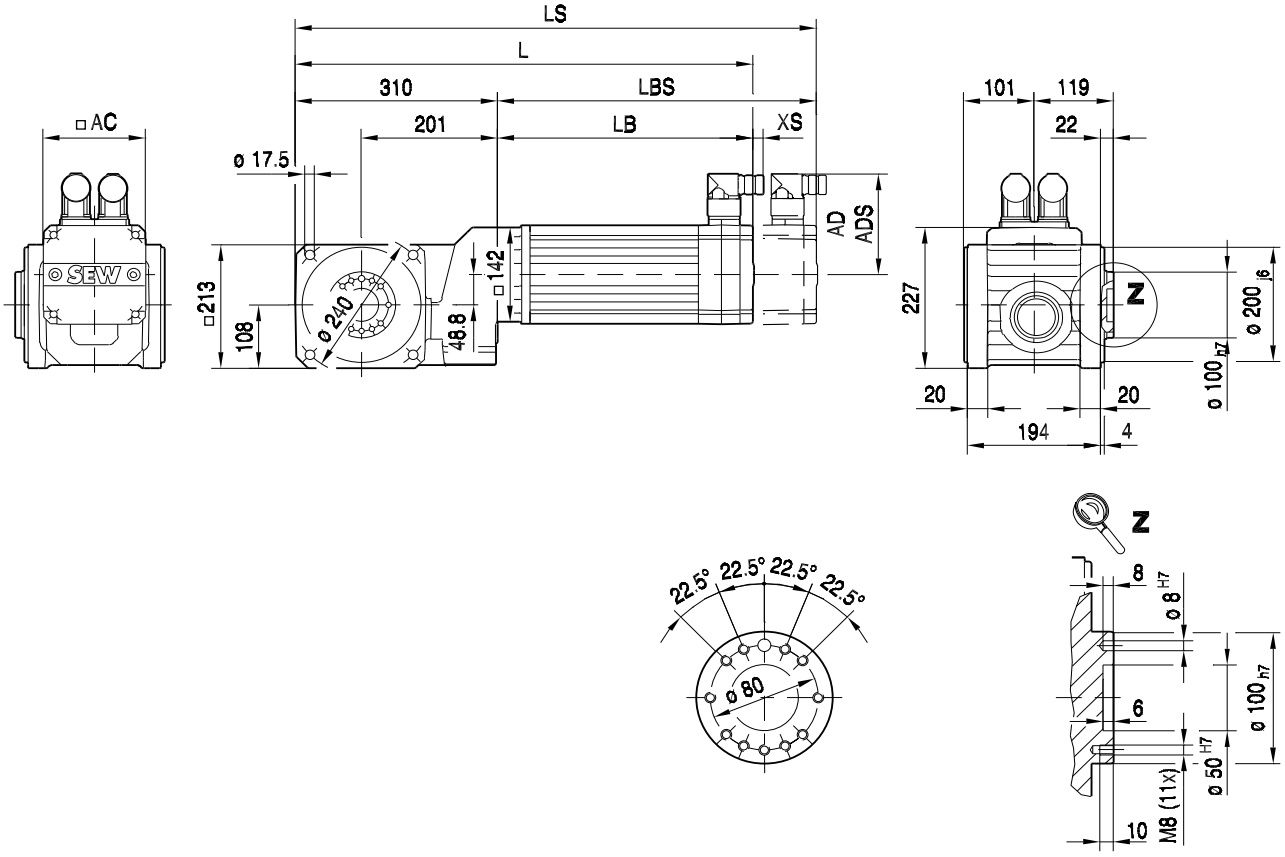
55 018 00 06



(→ 150)	CMP63M	CMP63L						
AC	88	88						
AD	92	92						
ADS	92	92						
L	528	578						
LS	557	607						
LB	218	268						
LBS	247	297						
XS	14	14						

BSBF602..

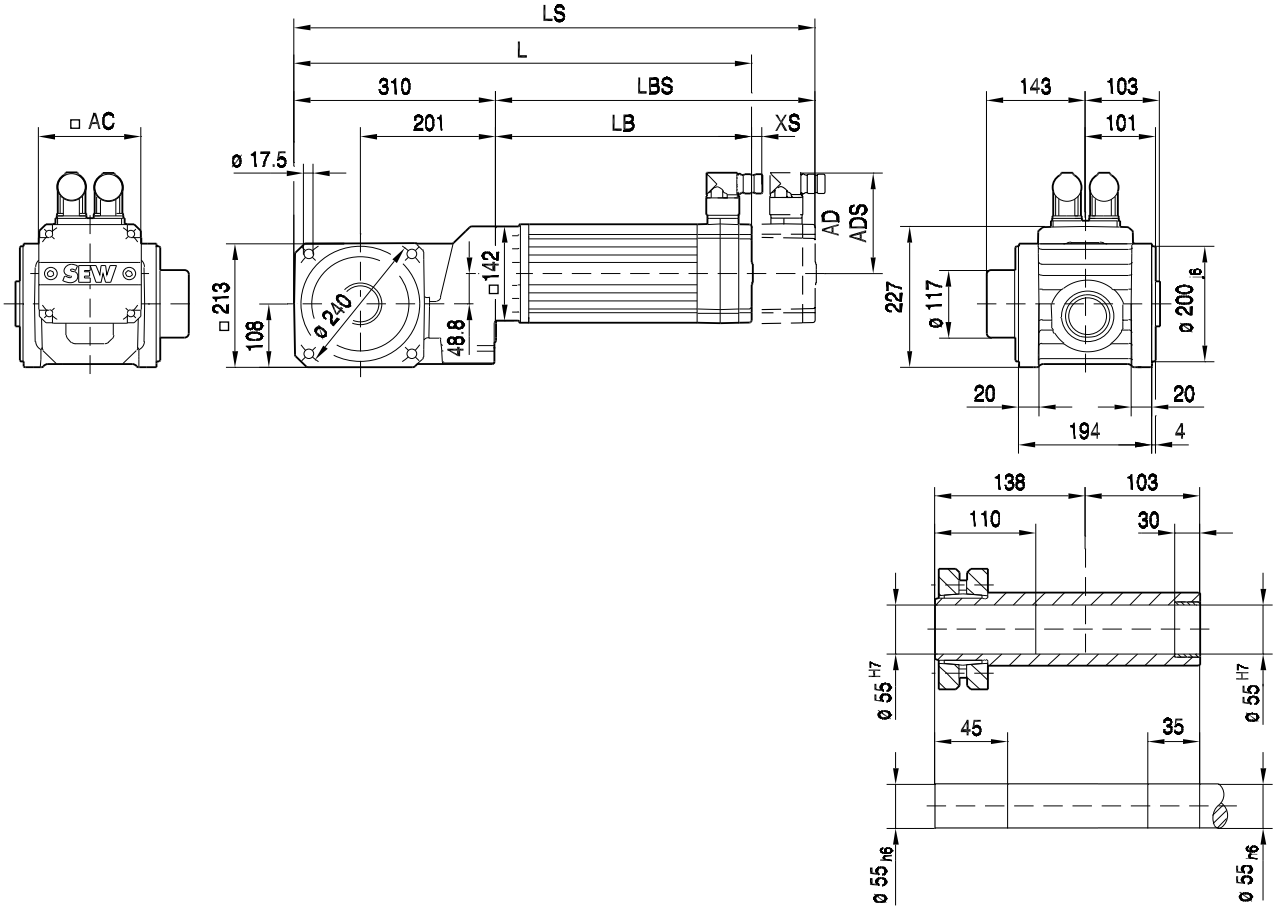
55 019 00 06



(→ 📖 150)	CMP63M	CMP63L						
AC	88	88						
AD	92	92						
ADS	92	92						
L	528	578						
LS	557	607						
LB	218	268						
LBS	247	297						
XS	14	14						

BSHF602..

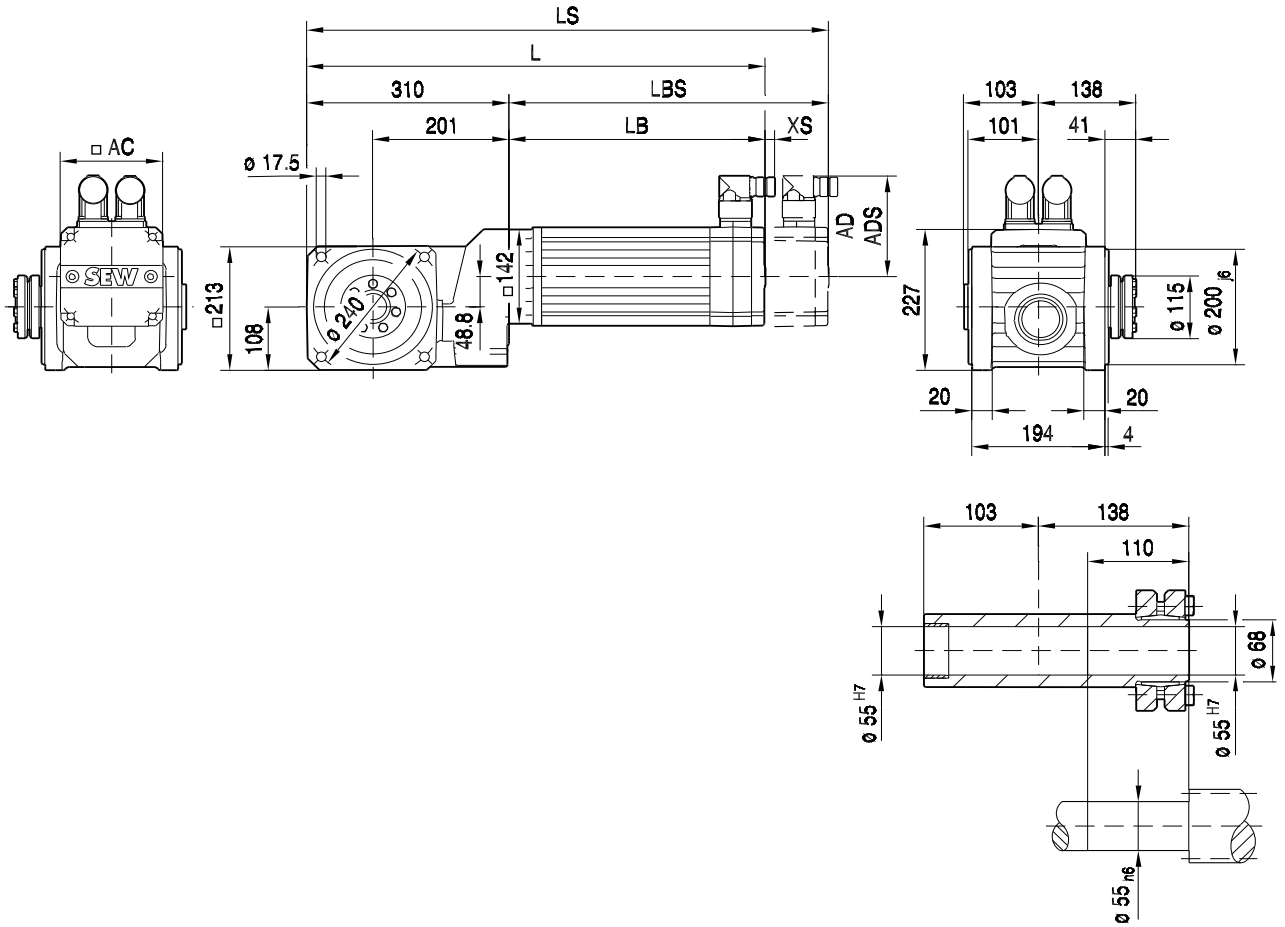
55 020 00 06



(→ 📖 150)	CMP63M	CMP63L						
AC	88	88						
AD	92	92						
ADS	92	92						
L	528	578						
LS	557	607						
LB	218	268						
LBS	247	297						
XS	14	14						

BSHF602/I..

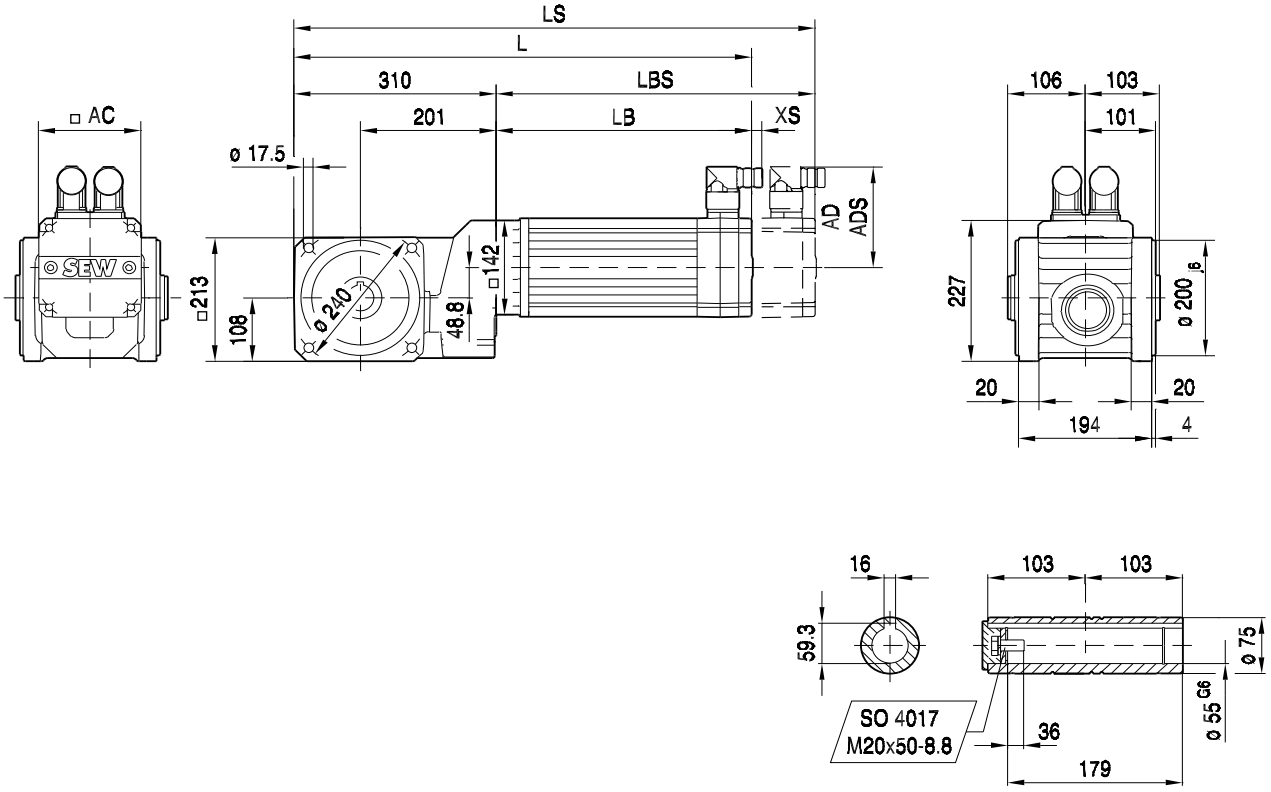
55 021 00 06



(→ 📖 150)	CMP63M	CMP63L						
AC	88	88						
AD	92	92						
ADS	92	92						
L	528	578						
LS	557	607						
LB	218	268						
LBS	247	297						
XS	14	14						

BSAF602..

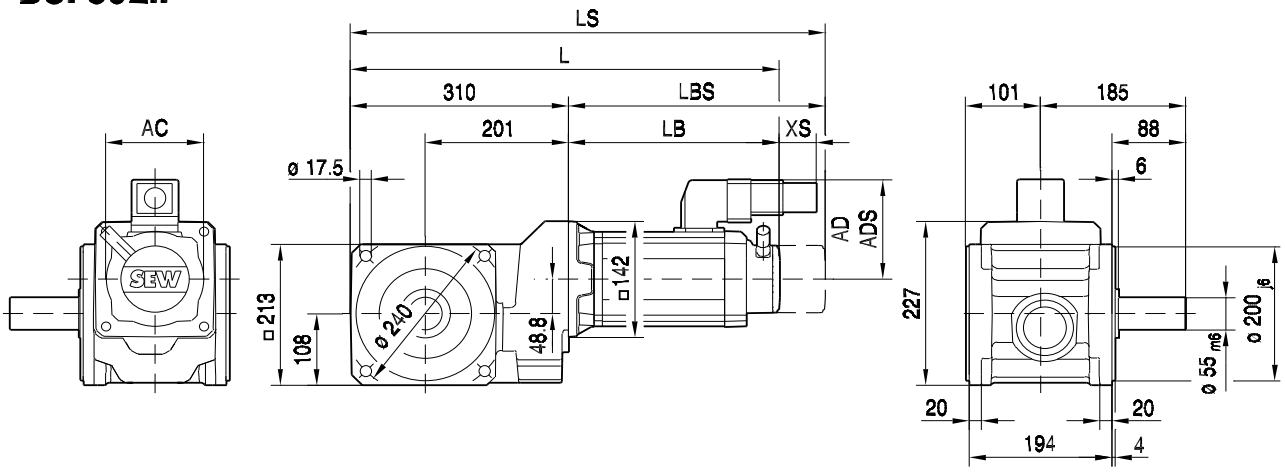
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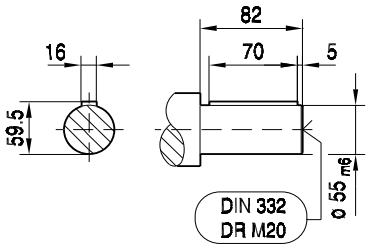
(→ 150)	CMP63M	CMP63L						
AC	88	88						
AD	92	92						
ADS	92	92						
L	528	578						
LS	557	607						
LB	218	268						
LBS	247	297						
XS	14	14						

BSF602..

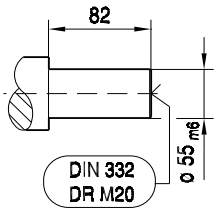
56 013 00 03



BSKF



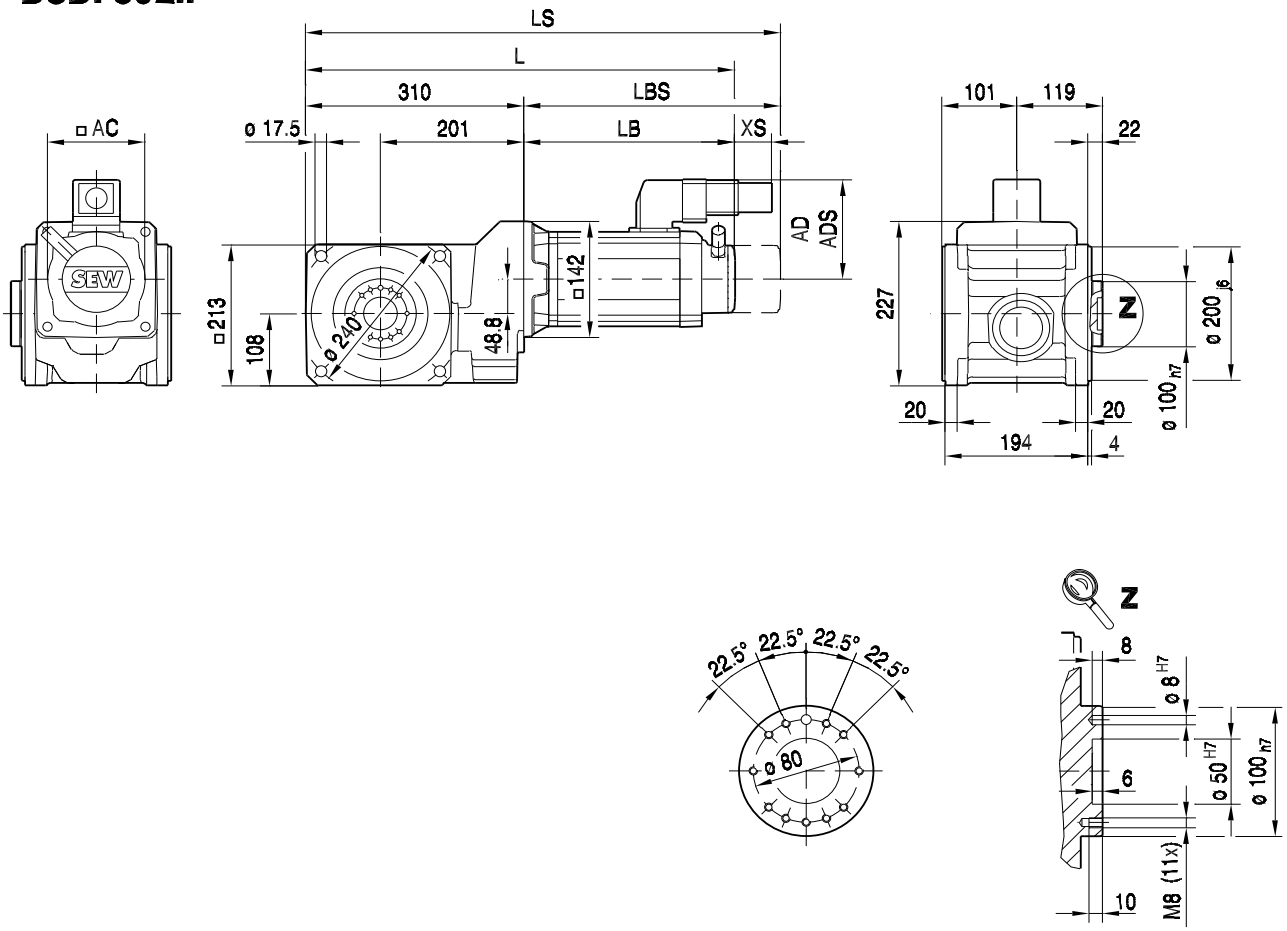
BSF



(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L
AC	117	117	117	142	142	142	186	186	186
AD	122	122	122	140	140	140	162	162	162
ADS	122	122	122	140	140	140	162	162	162
L	537	557	597	589	616	670	624	651	708
LS	619	639	679	684	711	765	714	741	798
LB	227	247	287	279	306	360	314	341	398
LBS	309	329	369	374	401	455	404	431	488
XS	45	45	45	50	50	50	36	36	36

BSBF602..

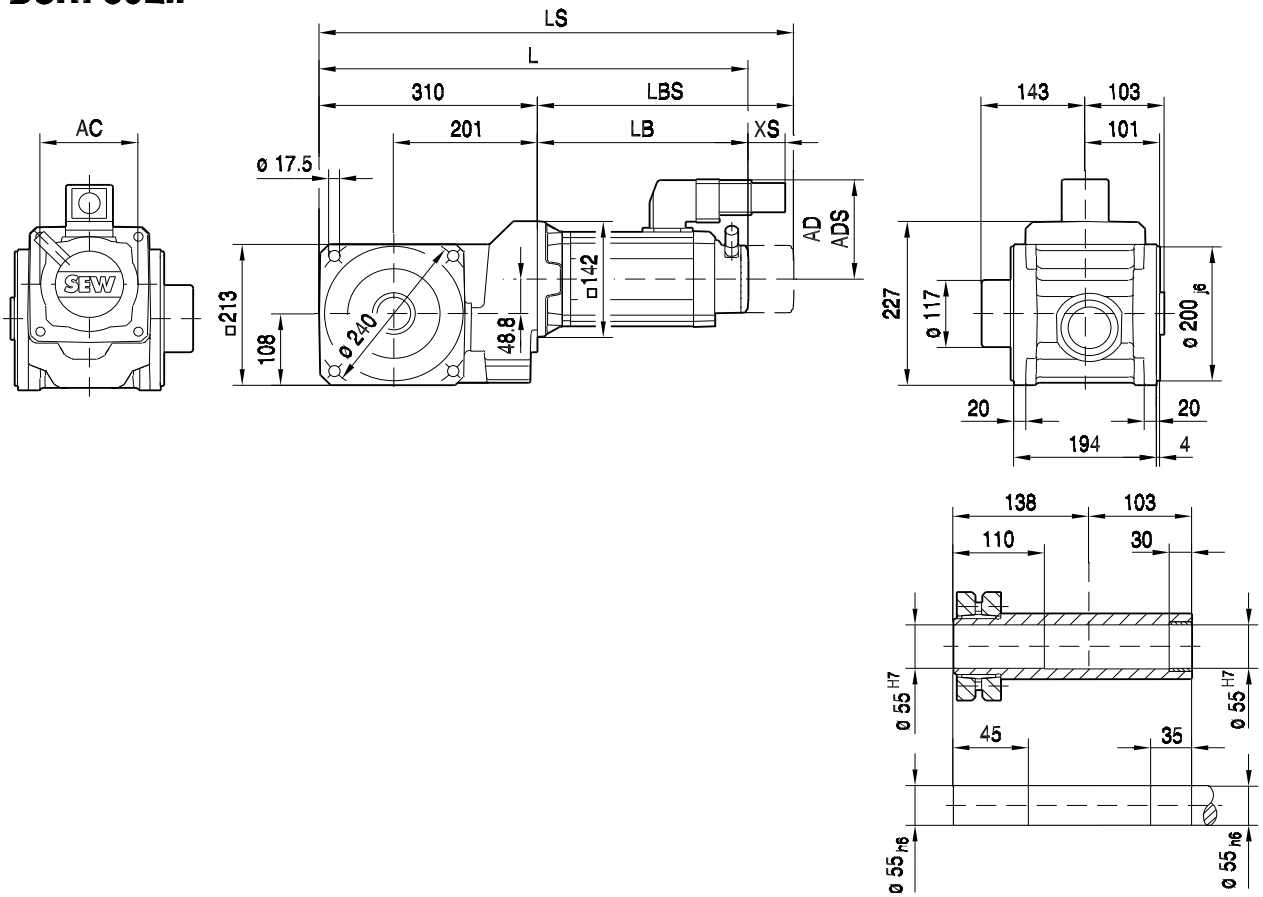
56 014 00 03



(→ 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L
AC	117	117	117	142	142	142	186	186	186
AD	122	122	122	140	140	140	162	162	162
ADS	122	122	122	140	140	140	162	162	162
L	537	557	597	589	616	670	624	651	708
LS	619	639	679	684	711	765	714	741	798
LB	227	247	287	279	306	360	314	341	398
LBS	309	329	369	374	401	455	404	431	488
XS	45	45	45	50	50	50	36	36	36

BSHF602..

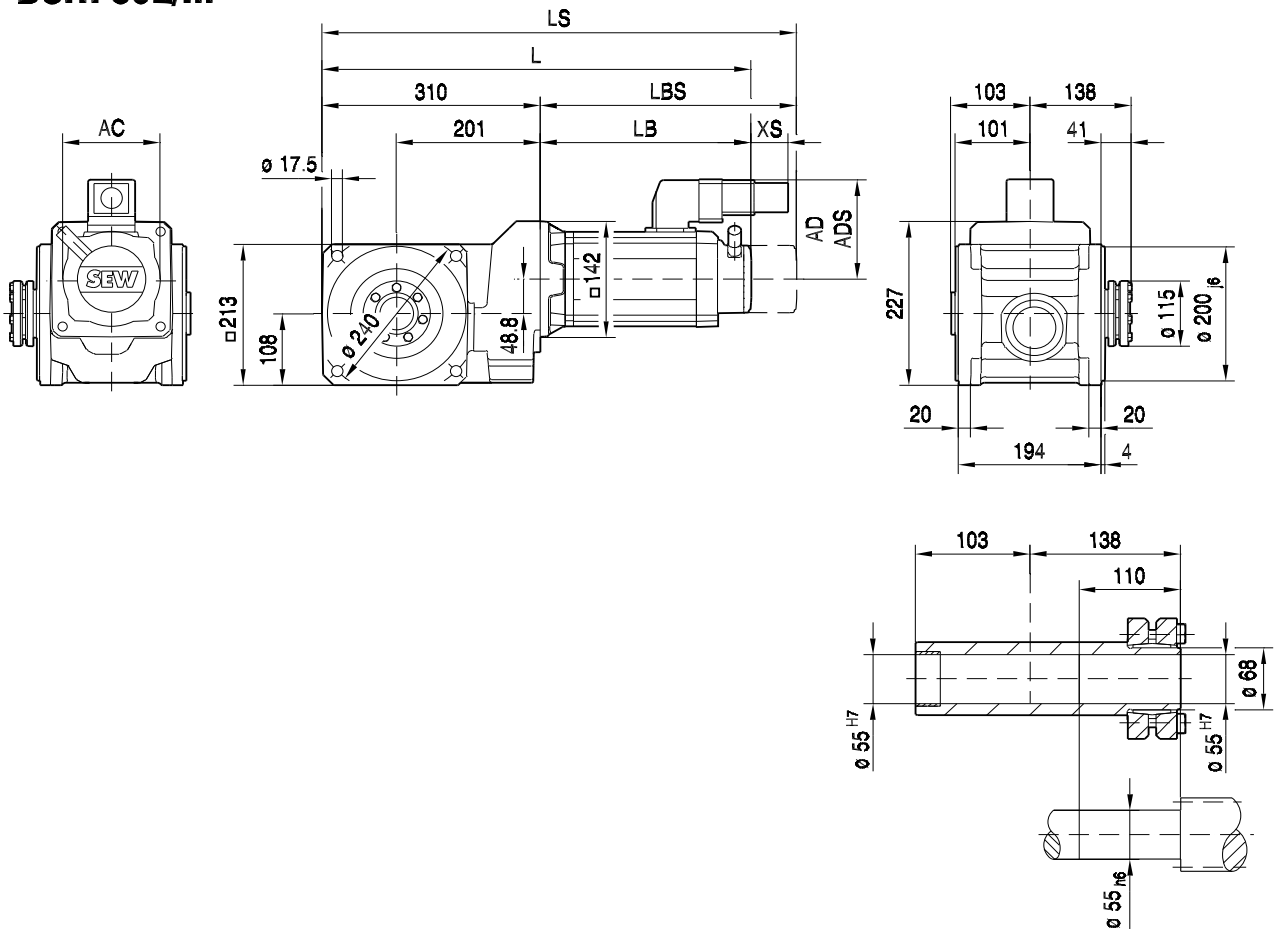
56 052 00 03



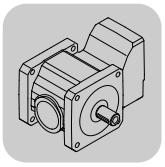
(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L
AC	117	117	117	142	142	142	186	186	186
AD	122	122	122	140	140	140	162	162	162
ADS	122	122	122	140	140	140	162	162	162
L	537	557	597	589	616	670	624	651	708
LS	619	639	679	684	711	765	714	741	798
LB	227	247	287	279	306	360	314	341	398
LBS	309	329	369	374	401	455	404	431	488
XS	45	45	45	50	50	50	36	36	36

BSHF602/I..

56 015 00 03

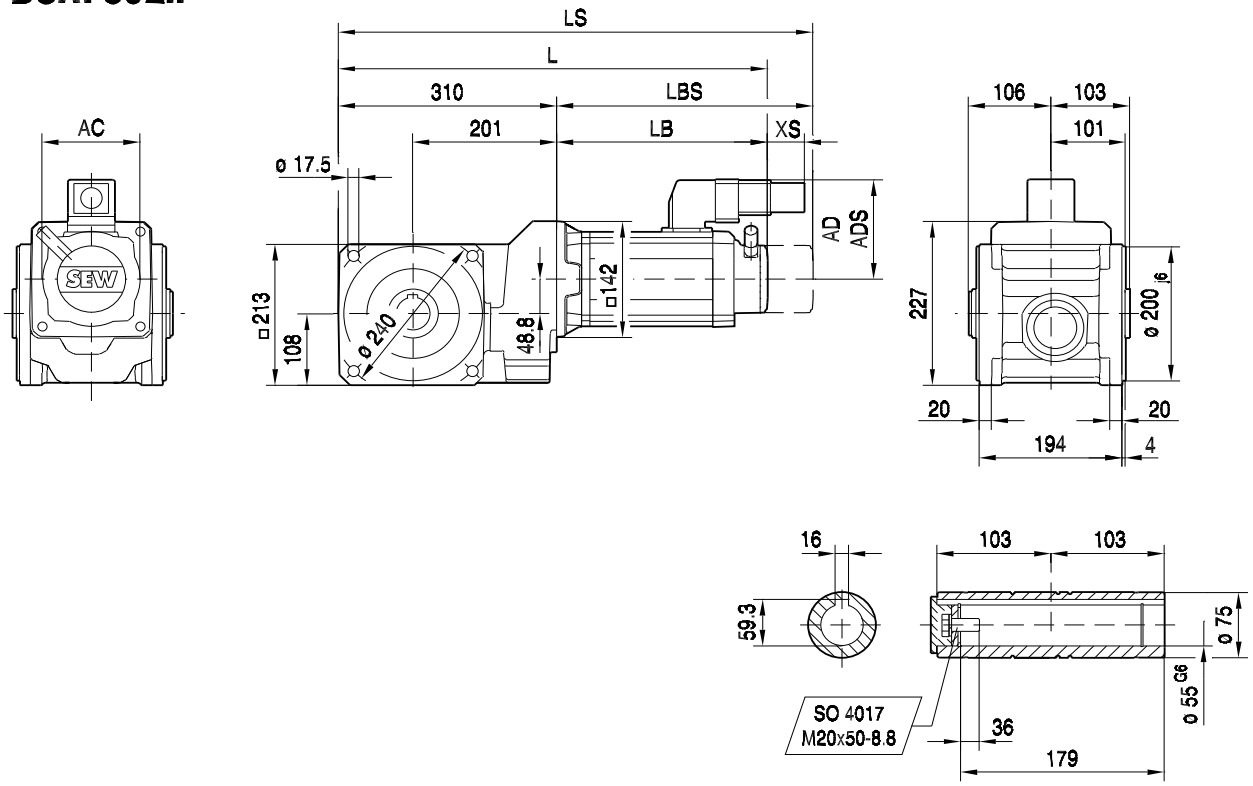


(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L
AC	117	117	117	142	142	142	186	186	186
AD	122	122	122	140	140	140	162	162	162
ADS	122	122	122	140	140	140	162	162	162
L	537	557	597	589	616	670	624	651	708
LS	619	639	679	684	711	765	714	741	798
LB	227	247	287	279	306	360	314	341	398
LBS	309	329	369	374	401	455	404	431	488
XS	45	45	45	50	50	50	36	36	36



BSAF602..

55 007 00 07



(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L
AC	117	117	117	142	142	142	186	186	186
AD	122	122	122	140	140	140	162	162	162
ADS	122	122	122	140	140	140	162	162	162
L	537	557	597	589	616	670	624	651	708
LS	619	639	679	684	711	765	714	741	798
LB	227	247	287	279	306	360	314	341	398
LBS	309	329	369	374	401	455	404	431	488
XS	45	45	45	50	50	50	36	36	36

13.12 BS.F 802 / CM [Nm]

M_{aDyn} [Nm]		CMP		CM						
	i	71M	71L	90S	90M	90L	112S	112M	112L	112H
BSF802 2	4							408	593	896
	6				295	427	465	613	890	1345
	8	207	346	299	394	570	621	819	1188	1795
	10							990	1436	>1680
	12	311	518	448	590	855	930			
	15				714	1034	1126	1484	>1680	>1680
	20	502	835	722	952	1379	1501	>1680	>1680	>1680
	25	627	1044	903	1190	>1680	>1680	>1680	>1680	
	30	753	1254	1085	1430	>1680	>1680			
	35	879	1464	1265	1668					
	40	1005	1674	1448	>1680					

m [kg]		CMP		CM						
	s	71M	71L	90S	90M	90L	112S	112M	112L	112H
BSF802	2	83	85	93	96	100	105	105	125	130
BSBF: + 1.1 kg / BSHF: + -3.5 kg										

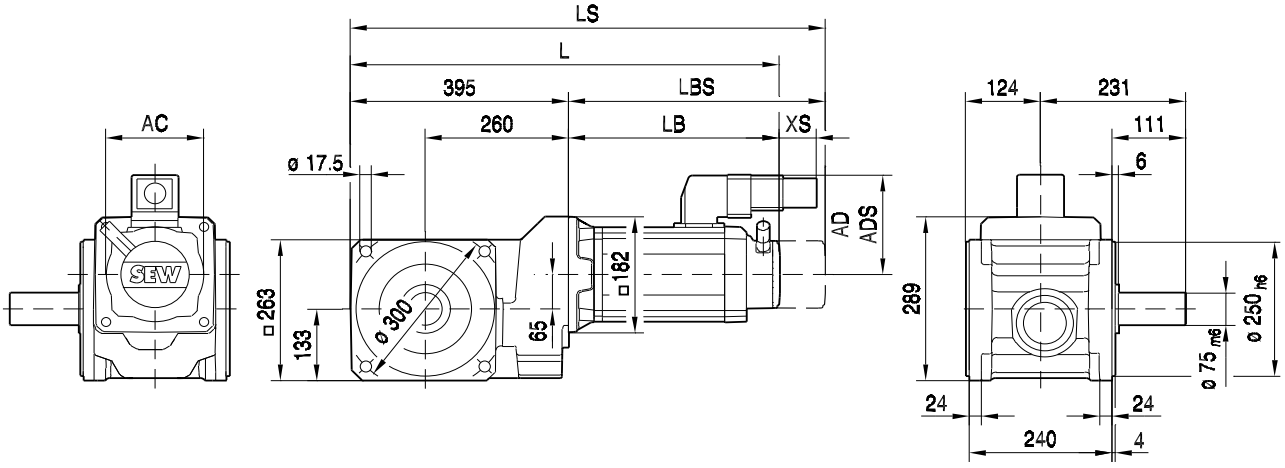
CMP.. / CM..				M1			M2;M4			M3;M5-6			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
BSF802 2	4	4500	94.1	36.530	-0.257	380872	85.550	-0.552	372271	94.470	-0.447	370986	6	3	-
	6	4500	94.2	38.780	-0.322	379127	97.230	-0.720	369115	110.31	-0.584	367673	6	3	-
	8	4500	94.3	40.010	-0.368	378029	104.52	-0.839	367166	120.39	-0.682	365688	6	3	-
	10	4500	91.2	-23.290	-0.920	247749	61.410	-2.162	238512	91.960	-1.769	237008	6	3	-
	12	4500	94.2	41.330	-0.427	376719	112.55	-0.993	364991	131.79	-0.808	363576	6	3	-
	15	4500	91.2	-23.520	-1.178	245862	79.260	-2.866	235221	119.05	-2.352	233398	6	3	-
	20	4500	91.2	-23.770	-1.359	244661	87.970	-3.354	233524	136.38	-2.767	231226	6	3	-
	25	4500	91.2	-24.680	-1.491	243925	94.410	-3.718	232349	148.58	-3.076	229783	6	3	-
	30	4500	91.3	-25.170	-1.592	243363	99.420	-3.997	231420	157.99	-3.315	228644	6	3	-
	35	4500	91.3	-25.610	-1.671	242945	102.30	-4.214	230843	165.07	-3.503	227831	6	3	-
	40	4500	91.4	-26.020	-1.735	242626	107.05	-4.402	230135	170.79	-3.656	227184	6	3	-

CMP.. / CM..							c_T			F_{Ramax}			F_{Rapk}		
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	BSF [Nm/']	BSBF [Nm/']	BSHF [Nm/']	BSF [N]	BSBF [N]	BSHF [N]	BSF [N]	BSBF [N]	BSHF [N]
BSF802 2	4	1240	1860	2790	425	70	95.0	112.0	103.0	29800	35000	29700	36000	36000	36000
	6	1370	1910	2860	267	34	106.0	126.0	115.0	33800	36000	33700	36000	36000	36000
	8	1500	1910	2860	225	21	107.0	128.0	117.0	36000	36000	36000	36000	36000	36000
	10	1220	1680	2520	190	32	149.0	193.0	170.0	36000	36000	36000	36000	36000	36000
	12	1360	1910	2860	267	11	114.0	139.0	126.0	36000	36000	36000	36000	36000	36000
	15	1220	1680	2520	180	18	154.0	202.0	176.0	36000	36000	36000	36000	36000	36000
	20	1220	1680	2520	190	12	154.0	202.0	176.0	36000	36000	36000	36000	36000	36000
	25	1220	1680	2520	180	8.5	157.0	207.0	180.0	36000	36000	36000	36000	36000	36000
	30	1220	1680	2520	180	6.5	157.0	208.0	181.0	36000	36000	36000	36000	36000	36000
	35	1220	1680	2520	191	5.1	156.0	205.0	178.0	36000	36000	36000	36000	36000	36000
	40	1220	1680	2520	175	4.2	156.0	206.0	179.0	36000	36000	36000	36000	36000	36000

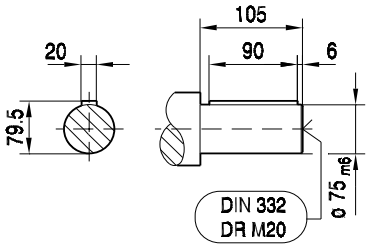
13.13 BS.F 802 / CM [mm]

BSF802..

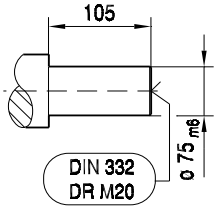
56 016 00 03



BSKF



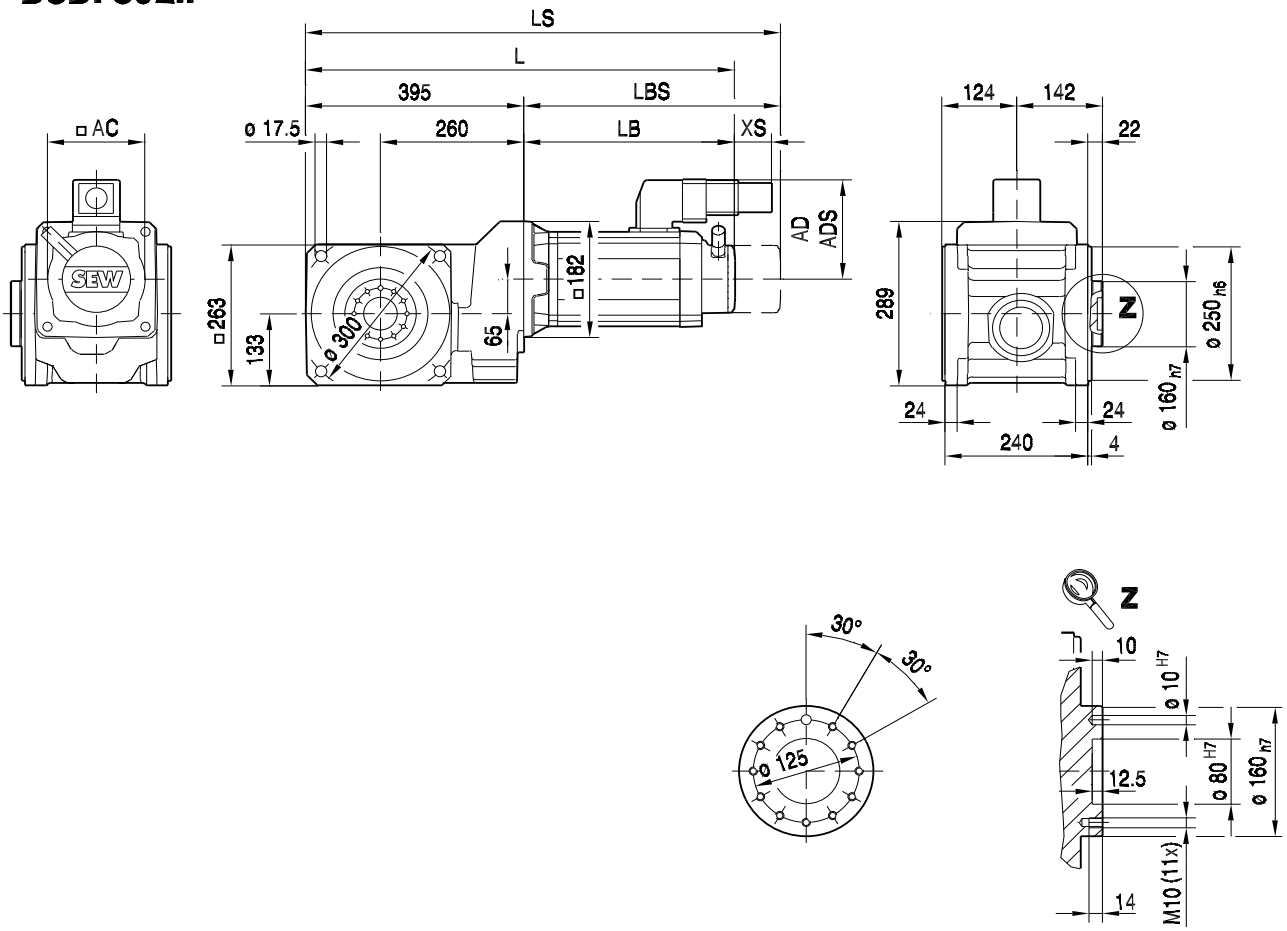
BSF



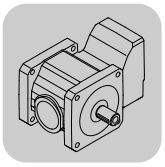
(→ 150)	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H	
AC	142	142	142	186	186	186	186	
AD	140	140	140	162	162	162	162	
ADS	140	140	140	162	162	162	162	
L	670	697	751	705	732	789	922	
LS	765	792	846	795	822	879	987	
LB	275	302	356	310	337	394	527	
LBS	370	397	451	400	427	484	592	
XS	50	50	50	36	36	36	36	

BSBF802..

56 017 00 03

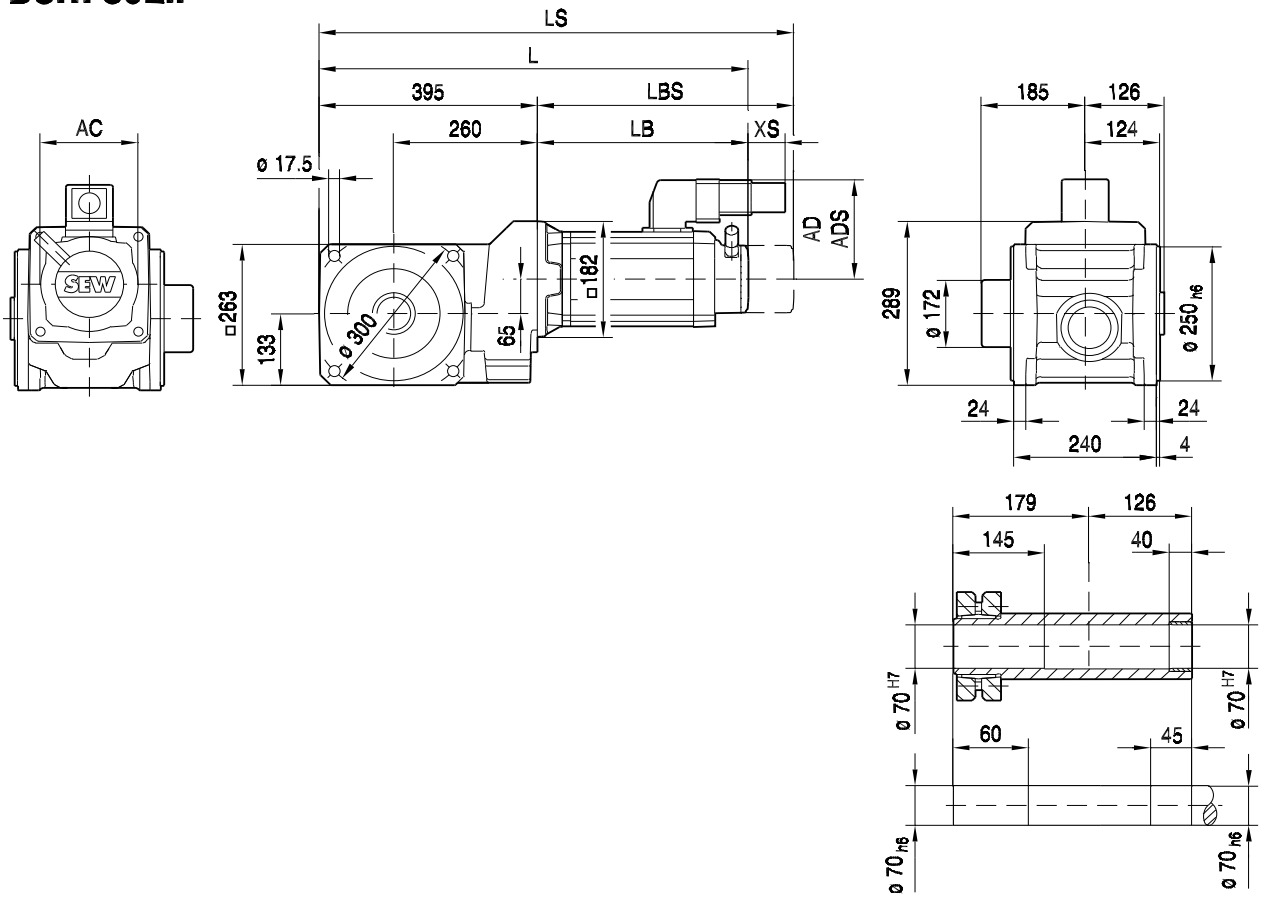


(→ 150)	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H	
AC	142	142	142	186	186	186	186	
AD	140	140	140	162	162	162	162	
ADS	140	140	140	162	162	162	162	
L	670	697	751	705	732	789	922	
LS	765	792	846	795	822	879	987	
LB	275	302	356	310	337	394	527	
LBS	370	397	451	400	427	484	592	
XS	50	50	50	36	36	36	36	



BSHF802..

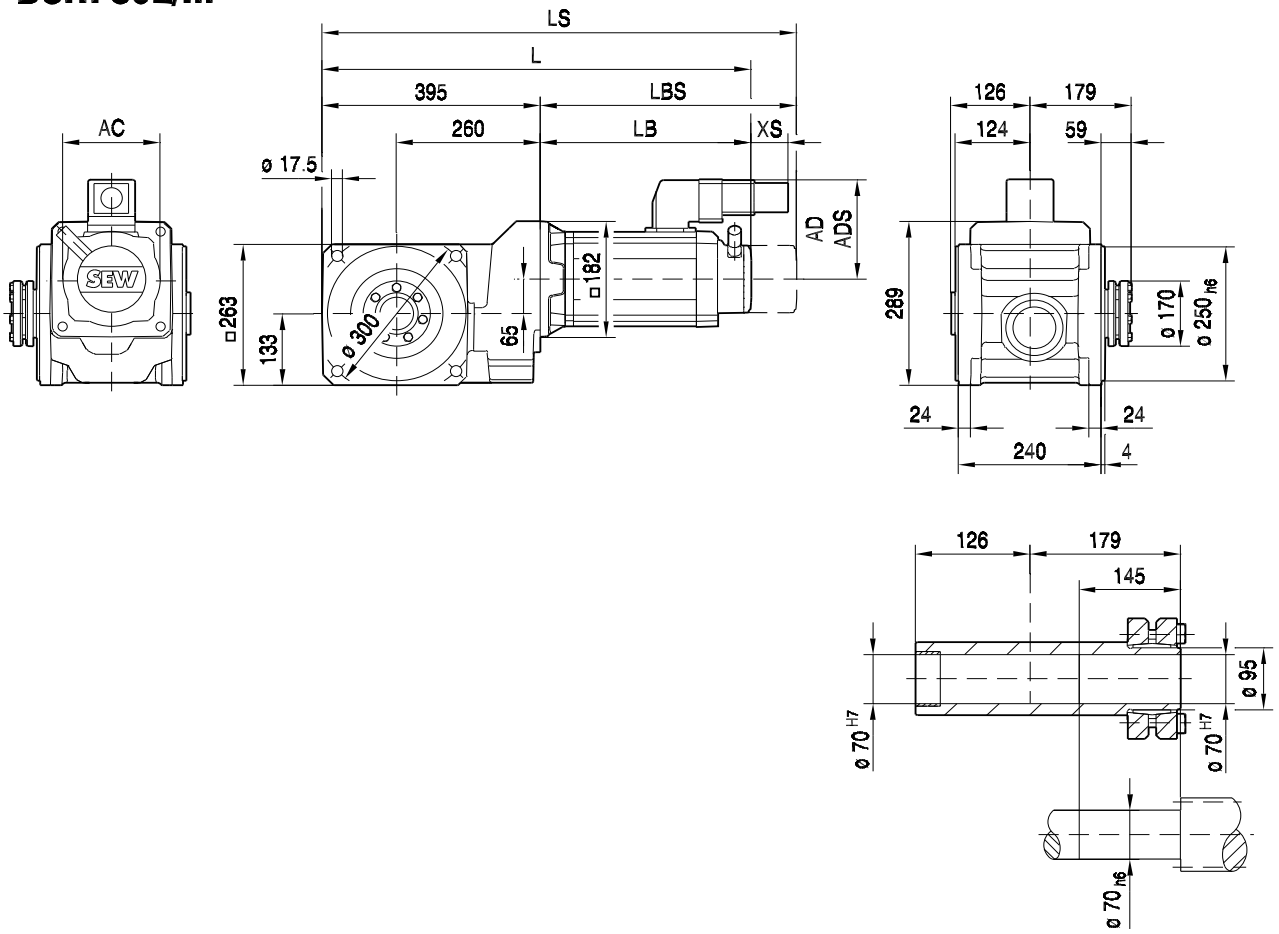
56 054 00 03



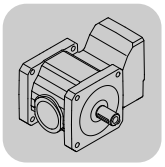
(→ 📖 150)	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H	
AC	142	142	142	186	186	186	186	
AD	140	140	140	162	162	162	162	
ADS	140	140	140	162	162	162	162	
L	670	697	751	705	732	789	922	
LS	765	792	846	795	822	879	987	
LB	275	302	356	310	337	394	527	
LBS	370	397	451	400	427	484	592	
XS	50	50	50	36	36	36	36	

BSHF802/I..

56 018 00 03

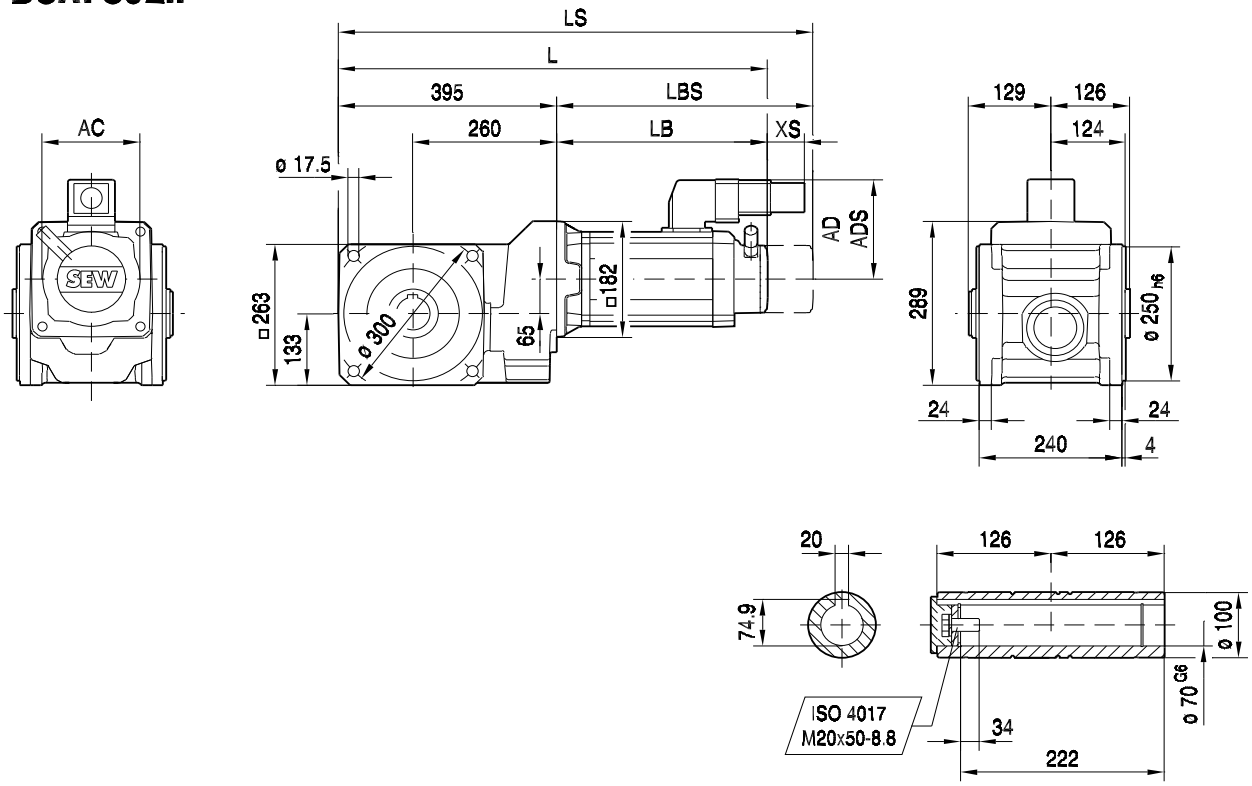


(→ 📖 150)	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H	
AC	142	142	142	186	186	186	186	
AD	140	140	140	162	162	162	162	
ADS	140	140	140	162	162	162	162	
L	670	697	751	705	732	789	922	
LS	765	792	846	795	822	879	987	
LB	275	302	356	310	337	394	527	
LBS	370	397	451	400	427	484	592	
XS	50	50	50	36	36	36	36	



BSAF802..

55 008 00 07

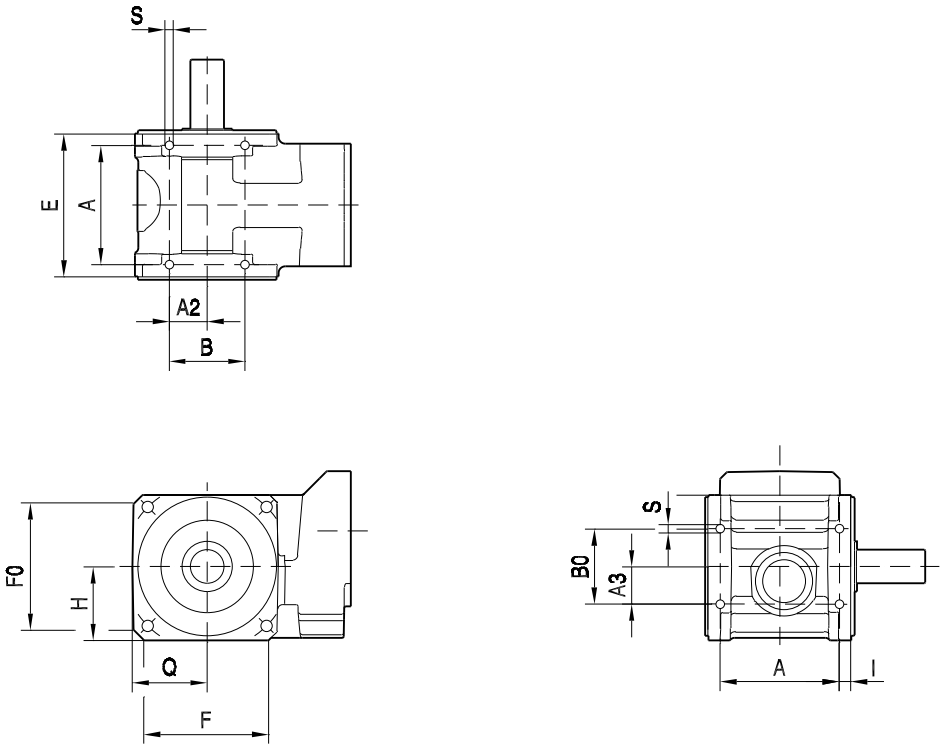


(→ 150)	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H	
AC	142	142	142	186	186	186	186	
AD	140	140	140	162	162	162	162	
ADS	140	140	140	162	162	162	162	
L	670	697	751	705	732	789	922	
LS	765	792	846	795	822	879	987	
LB	275	302	356	310	337	394	527	
LBS	370	397	451	400	427	484	592	
XS	50	50	50	36	36	36	36	

13.14 BS.F..B [mm]

BS..B

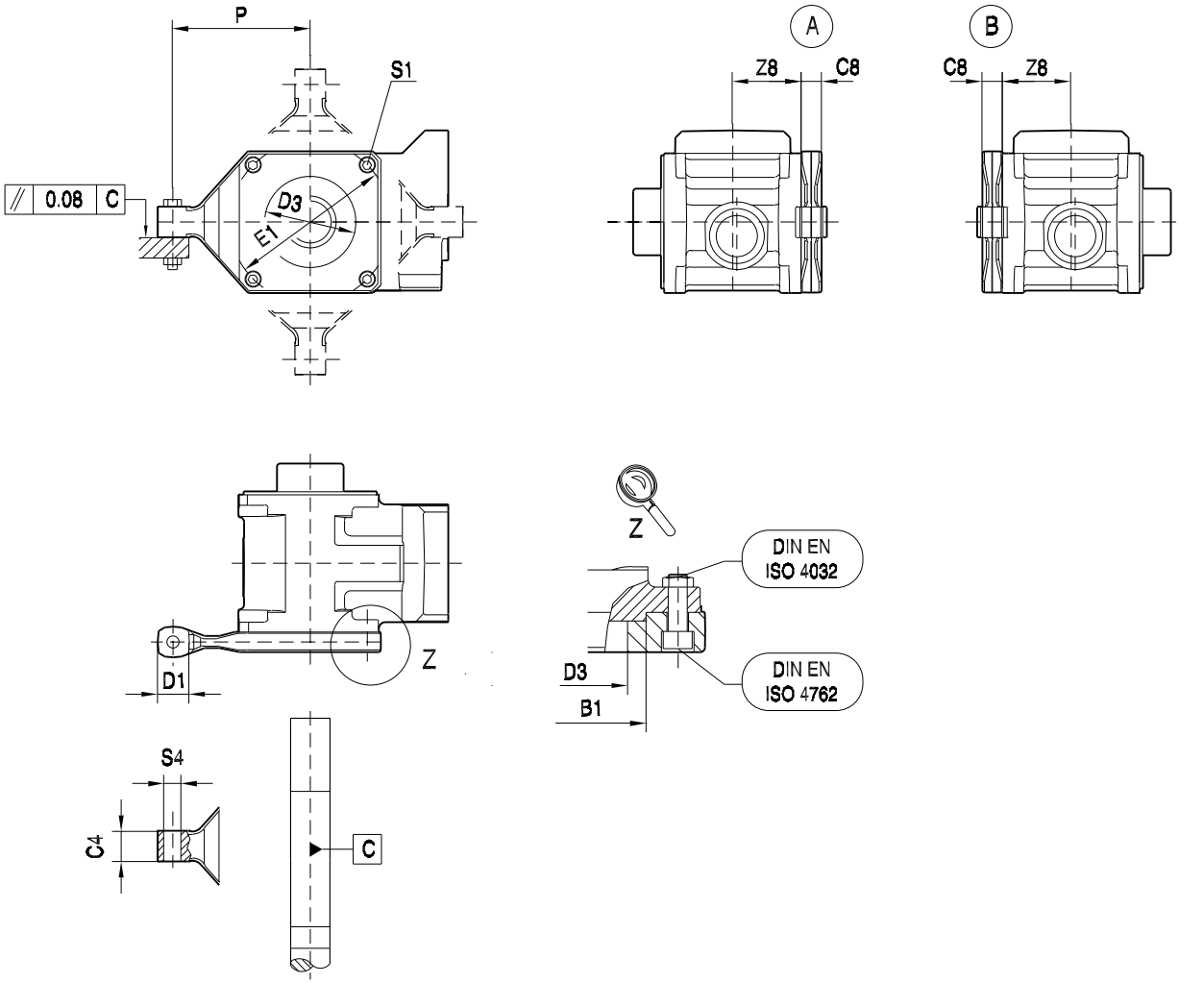
55 037 00 03



(→ 150)	E	A	S	A2	B	F	H	Q	F0	B0	A3	I
BSF..202B	111	96	M8x14	30	60	80	$47_{-0.3}$	$47_{-0.3}$	78	60	30	7.5
BSF..302B	123	105	M10x18	37.5	75	101	$58.5_{-0.3}$	$58.5_{-0.3}$	98.5	75	37.5	9
BSF..402B	145	120	M12x22	46.5	93	127	$72_{-0.3}$	$72_{-0.3}$	125	93	46.5	12.5
BSF..502B	170	142	M12x16	45	90	151	$86_{-0.5}$	$86_{-0.5}$	151	90	45	14
BSF..602B	194	160	M16x20	50	100	182	$106_{-0.5}$	$106_{-0.5}$	183	100	50	17
BSF..802B	240	186	M20x25	65	130	239	$131_{-0.5}$	$131_{-0.5}$	237	130	65	27

13.15 BSHF../T [mm]

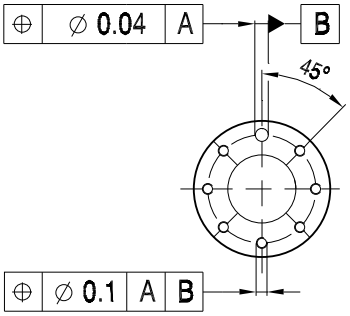
BSHF../T **55 038 00 03**

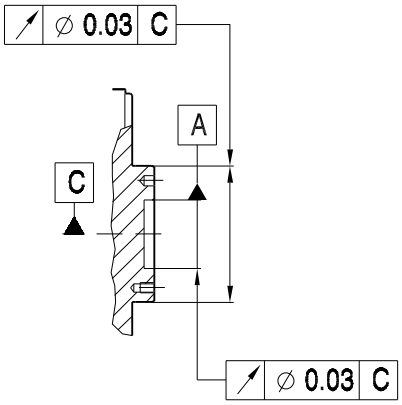


(→ 📖 150)	P	B1	E1	D3	Z8	C8	D1	S4	C4	S1							
BSHF202/T	110	90	109	75	55.5	18	34	14	20	M6x35							
BSHF302/T	140	110	135	90	61.5	20	38	14	24	M8x40							
BSHF402/T	158	140	168	115	72.5	22	38	14	28	M10x45							
BSHF502/T	170	165	200	140	85	25	38	14	38	M12x40							
BSHF602/T	198	200	240	140	97	35	58	22	50	M16x55							
BSHF802/T	278	250	300	195	120	34	58	22	70	M16x55							

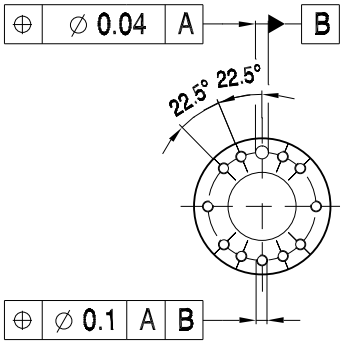
13.16 BSBF [mm]

55 035 01 03

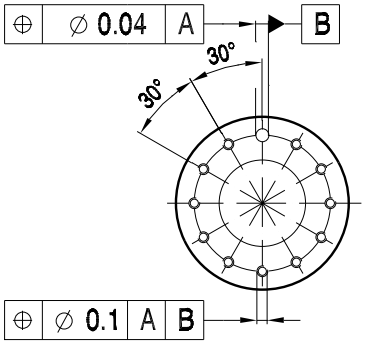




BSBF202 PSBF221/222
BSBF302 PSBF321/322

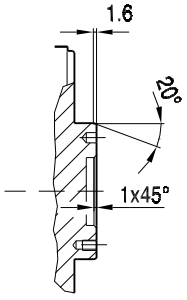


BSBF402 PSBF421/422
BSBF502 PSBF521/522



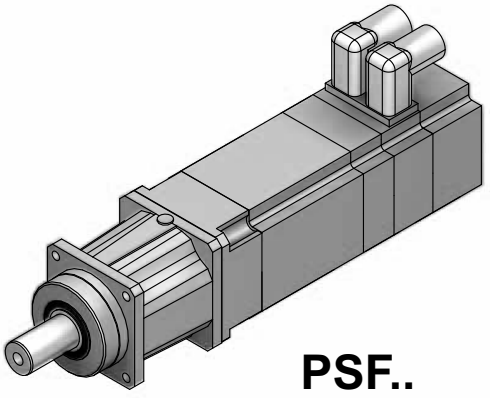
BSBF602 PSBF621/622
BSBF802 PSBF821/822

55 036 00 03

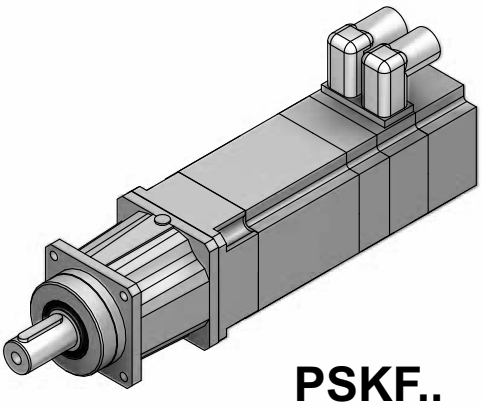


14 PS.F..CMP, DS, CM

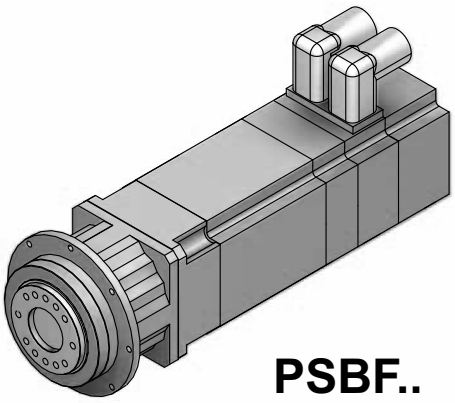
14.1 PSF, PSKF, PSBF..CMP / DS / CM



PSF..



PSKF..



PSBF..

63321axx

14.2 PS.F 121/122 / CMP / DS [Nm]

M_{aDyn} [Nm]		CMP				DS		
	i	40M	50S	50M	50L	56M	56L	56H
PSF121 1	3		15	31	>36	11	23	>36
	4	15	21	>38	>38	15	30	>38
	5	19	26	>35	>35	19	>35	>35
	7	26	36			26	>37	
	10	>26						
PSF122 2	16	>38	>38	>38	>38	>38	>38	>38
	20	>35	>35	>35	>35	>35	>35	>35
	25	>35	>35	>35	>35	>35	>35	>35
	28	>33	>33			>33	>33	
	35	>35	>35			>35	>35	
	40	>32						
	49	>37	>37			>37	>37	
	70	>37						
	100	>26						

m [kg]		CMP				DS		
	s	40M	50S	50M	50L	56M	56L	56H
PSF121	1	3.0	3.7	4.6	5.5	3.8	4.8	5.5
PSF122	2	3.6	4.3	5.2	6.1	4.4	5.4	6.1

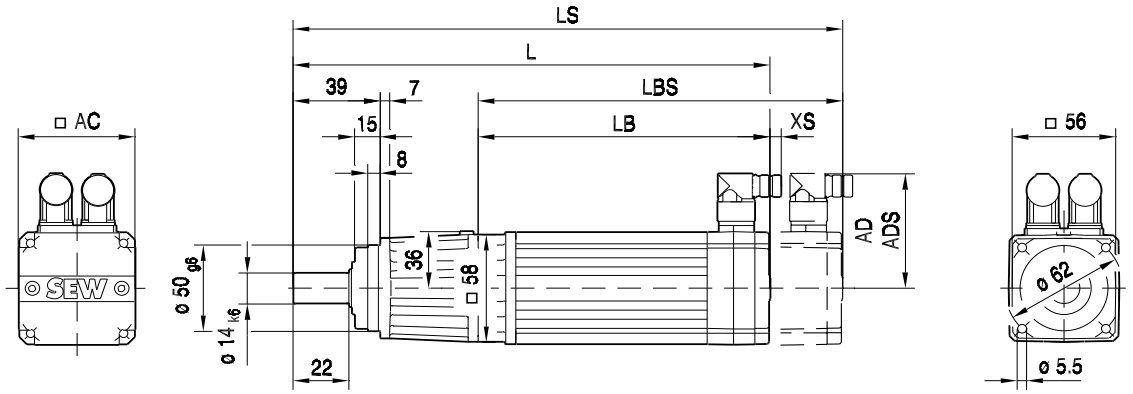
CMP.. / DS..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
PSF121 1	3	8000	99	68.000	-0.058	0	77.000	-0.082	0	78.000	-0.101	0	8	4	2
	4	8000	99	94.000	-0.086	0	106.00	-0.120	0	104.00	-0.142	0	8	4	2
	5	8000	99	96.000	-0.096	0	109.00	-0.130	0	108.00	-0.141	0	8	4	2
	7	8000	99	107.00	-0.126	0	120.00	-0.164	0	118.00	-0.191	0	8	4	2
	10	8000	99	107.00	-0.155	0	121.00	-0.198	0	129.00	-0.253	0	8	4	2
PSF122 2	16	8000	98	142.00	-0.366	0	190.00	-0.684	0	200.00	-0.761	0	10	6	3
	20	8000	98	168.00	-0.523	0	229.00	-1.007	0	238.00	-1.096	0	10	6	3
	25	8000	98	176.00	-0.608	0	235.00	-1.098	0	244.00	-1.190	0	10	6	3
	28	8000	98	163.00	-0.561	0	205.00	-0.895	0	214.00	-0.979	0	10	6	3
	35	8000	98	194.00	-0.819	0	247.00	-1.321	0	255.00	-1.416	0	10	6	3
	40	8000	98	193.00	-0.855	0	230.00	-1.206	0	237.00	-1.289	0	10	6	3
	49	8000	98	263.00	-1.518	0	339.00	-2.492	0	347.00	-2.616	0	10	6	3
	70	8000	98	316.00	-2.373	0	380.00	-3.394	0	388.00	-3.528	0	10	6	3
	100	8000	98	420.00	-4.459	0	512.00	-6.456	0	519.00	-6.643	0	10	6	3

CMP.. / DS..							c_T PSF	F_{Ramax} PSF	F_{Rapk} PSF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/']	[N]	[N]
PSF121 1	3	20	36	54	500	0.088	2.07	2000	1900
	4	25	38	57	500	0.044	2.22	1980	1890
	5	25	35	53	500	0.029	2.18	1980	1910
	7	25	37	56	443	0.015	2.0	1980	1900
	10	25	26	39	370	0.008	1.54	1980	1970
PSF122 2	16	25	38	57	438	0.037	1.97	1980	1890
	20	25	35	53	350	0.024	1.98	1980	1910
	25	25	35	53	280	0.024	1.94	1980	1910
	28	25	33	50	250	0.013	1.91	1980	1930
	35	25	35	53	200	0.012	1.9	1980	1910
	40	25	32	48	175	0.006	1.79	1980	1930
	49	25	37	56	143	0.012	1.79	1980	1900
	70	25	37	56	100	0.006	1.73	1980	1900
	100	25	26	39	70	0.006	1.37	1980	1970

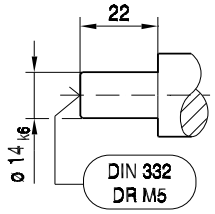
14.3 PS.F 121/122 / CMP / DS [mm]

57 026 00 06

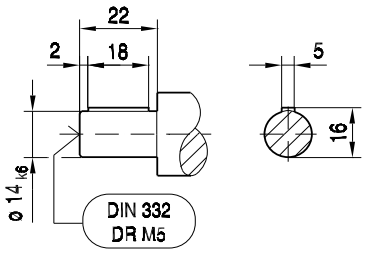
PSF121..



PSF



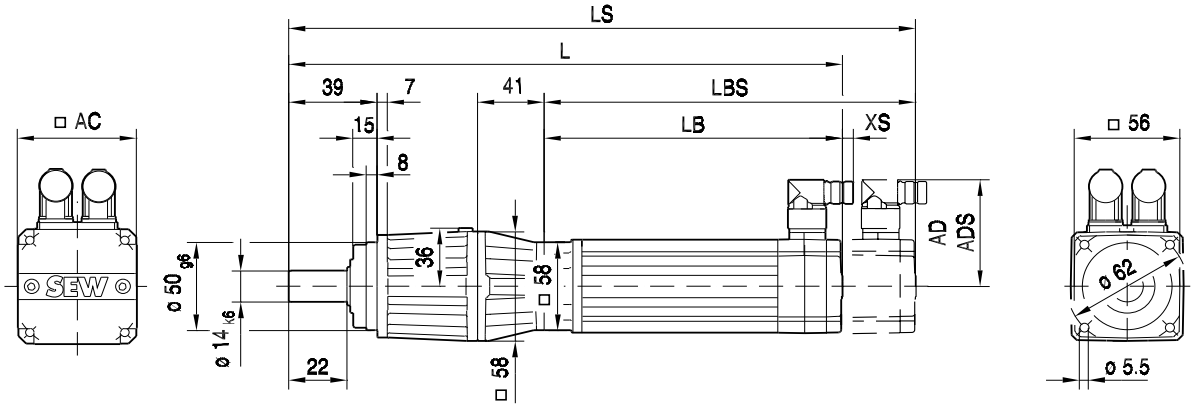
PSKF



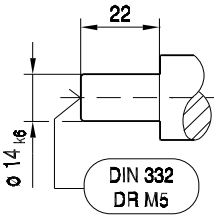
(→ 📖 150)	CMP40M	CMP50S	CMP50M	CMP50L				
AC	57	73	73	73				
AD	75	82	82	82				
ADS	75	82	82	82				
L	254	255	294	333				
LS	284	284	323	362				
LB	156	157	196	235				
LBS	186	186	225	264				
XS	19	18	18	18				

57 027 00 06

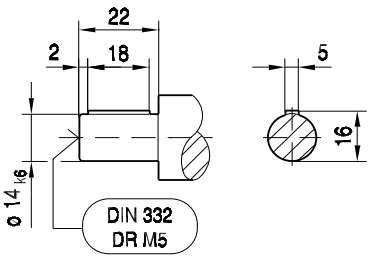
PSF122..



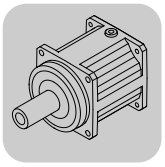
PSF



PSKF



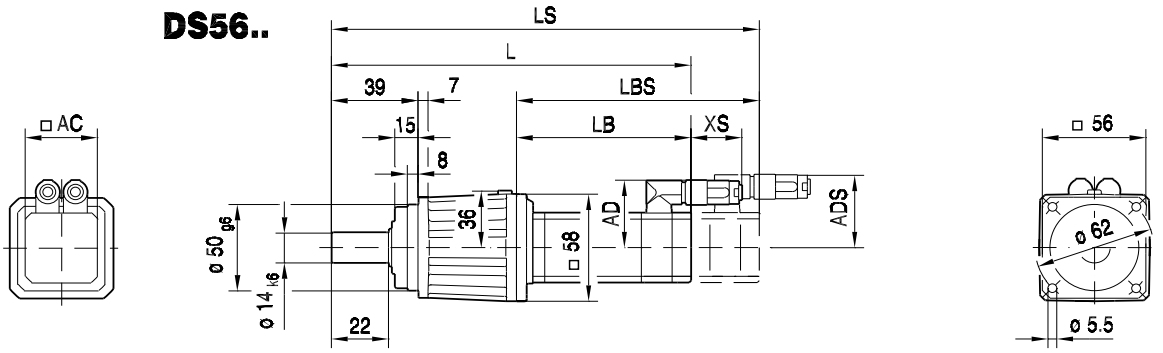
(→ 📖 150)	CMP40M	CMP50S	CMP50M	CMP50L				
AC	57	73	73	73				
AD	75	82	82	82				
ADS	75	82	82	82				
L	295	296	335	374				
LS	325	325	364	403				
LB	156	157	196	235				
LBS	186	186	225	264				
XS	19	18	18	18				



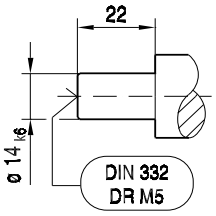
58 003 00 03

PSF121..

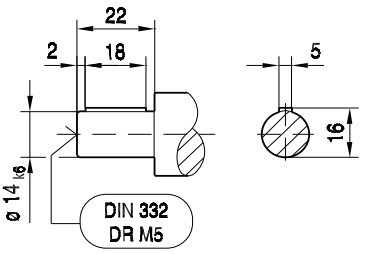
DS56..



PSF



PSKF

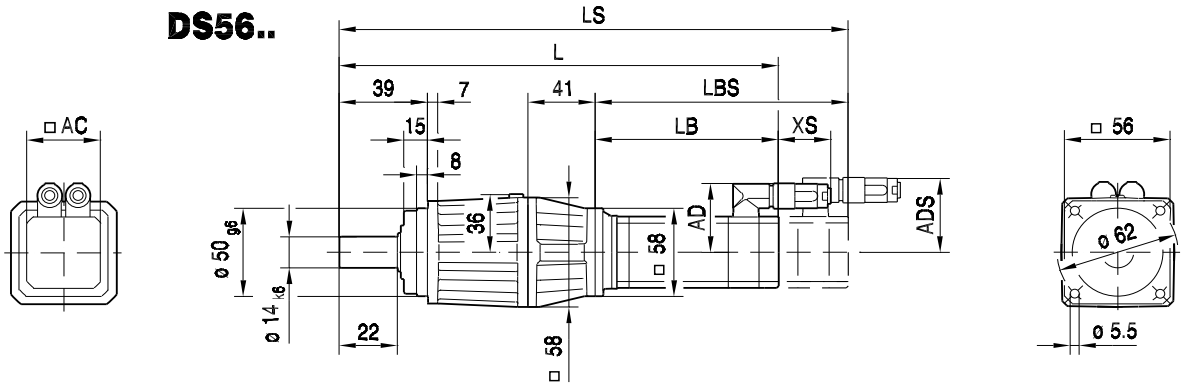


(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	248	280	383					
LS	278	310	383					
LB	150	182	285					
LBS	180	212	285					
XS	70	70	51					

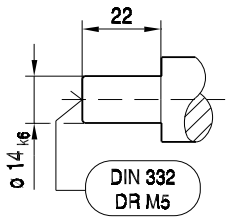
58 004 00 03

PSF122..

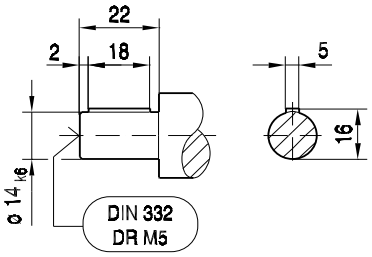
DS56..



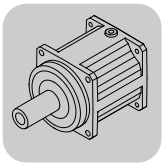
PSF



PSKF



(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	289	321	424					
LS	319	351	424					
LB	150	182	285					
LBS	180	212	285					
XS	70	70	51					



14.4 PS.F 221/222 / CMP / DS [Nm]

M_{aDyn} [Nm]		CMP							DS		
	i	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSF221 1	3		15	31	46	33	64	>65	11	23	45
	4		21	41	61	44	85	>85	15	30	60
	5		26	51	76	55	>80	>80	19	38	75
	7		36	71	>85	77	>85		26	53	>85
	10		51						38	>62	
PSF222 2	16	60	82	>85	>85				60	>85	>85
	20	74	>80	>80	>80				74	>80	>80
	25	>80	>80	>80	>80				>80	>80	>80
	28	>83	>83						>83	>83	
	35	>80	>80						>80	>80	
	40	>79									
	49	>85	>85						>85	>85	
	70	>85									
	100	>62									

m [kg]		CMP							DS		
	s	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSF221	1	3.6	4.4	5.3	6.2	6.6	8.1	9.6	4.4	5.4	6.2
PSF222	2	4.4	5.1	6.0	6.9	7.4	8.8	10	5.2	6.2	6.9

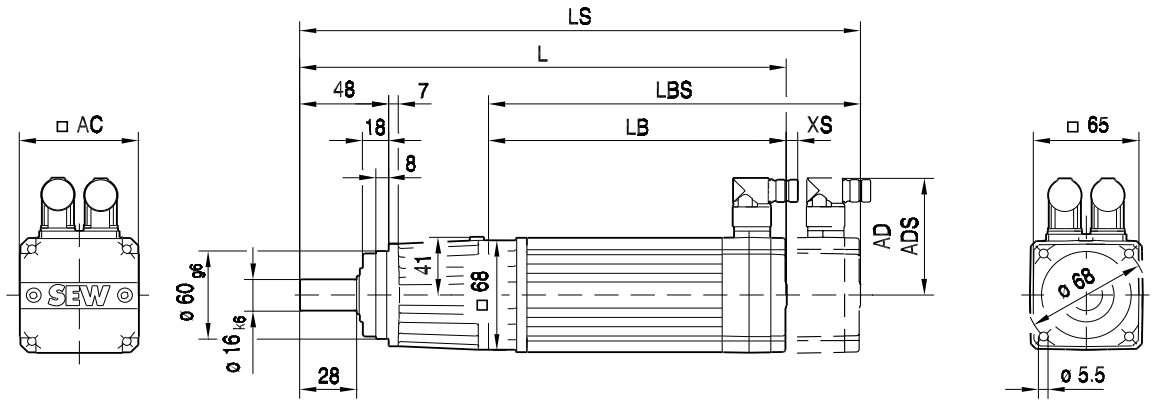
CMP.. / DS..		n_{epk}	η	M1;M3;M5-6			M2			M4			φ		
	i	[1/min]	[%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
PSF221 1	3	7500	99	109.00	-0.092	0	126.00	-0.144	0	129.00	-0.181	0	6	3	1
	4	7500	99	153.00	-0.134	0	179.00	-0.210	0	181.00	-0.258	0	6	3	1
	5	7500	99	153.00	-0.142	0	179.00	-0.218	0	179.00	-0.264	0	6	3	1
	7	7500	99	169.00	-0.177	0	196.00	-0.260	0	202.00	-0.325	0	6	3	1
	10	7500	99	158.00	-0.197	0	183.00	-0.276	0	201.00	-0.377	0	6	3	1
PSF222 2	16	8000	98	187.00	-0.438	0	237.00	-0.779	0	251.00	-0.896	0	8	4	2
	20	8000	98	210.00	-0.591	0	274.00	-1.092	0	287.00	-1.220	0	8	4	2
	25	8000	98	219.00	-0.675	0	281.00	-1.180	0	294.00	-1.312	0	8	4	2
	28	8000	98	214.00	-0.653	0	259.00	-1.015	0	273.00	-1.143	0	8	4	2
	35	8000	98	245.00	-0.908	0	302.00	-1.441	0	315.00	-1.583	0	8	4	2
	40	8000	98	235.00	-0.911	0	273.00	-1.268	0	283.00	-1.391	0	8	4	2
	49	8000	98	320.00	-1.613	0	403.00	-2.620	0	415.00	-2.796	0	8	4	2
	70	8000	98	363.00	-2.362	0	432.00	-3.370	0	442.00	-3.550	0	8	4	2
	100	8000	98	461.00	-4.232	0	560.00	-6.162	0	570.00	-6.394	0	8	4	2

CMP.. / DS..		M_{amax}	M_{apk}	$M_{aNotaus}$	n_{ak}	$J_G 10^{-4}$	c_T PSF	F_{Ramax} PSF	F_{Rapk} PSF
	i	[Nm]	[Nm]	[Nm]	[1/min]	[kgm^2]	[Nm/']	[N]	[N]
PSF221 1	3	40	65	98	1833	0.23	3.65	2870	2440
	4	55	85	128	575	0.12	3.74	2680	1720
	5	55	80	120	520	0.10	3.7	2680	1950
	7	55	85	128	457	0.054	3.47	2680	1720
	10	55	62	93	400	0.026	2.83	2680	2520
PSF222 2	16	55	85	128	438	0.042	3.22	2680	1720
	20	55	80	120	350	0.041	3.28	2680	1950
	25	55	80	120	280	0.027	3.22	2680	1950
	28	55	83	125	250	0.038	3.09	2680	1820
	35	55	80	120	200	0.014	3.13	2680	1950
	40	55	79	119	175	0.036	2.8	2680	1990
	49	55	85	128	143	0.013	3.06	2680	1720
	70	55	85	128	100	0.006	2.89	2680	1720
	100	55	62	93	70	0.006	2.48	2680	2520

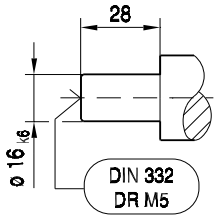
14.5 PS.F 221/222 / CMP / DS [mm]

57 028 00 06

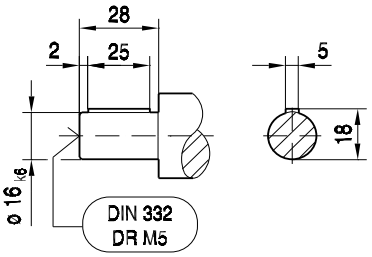
PSF221..



PSF



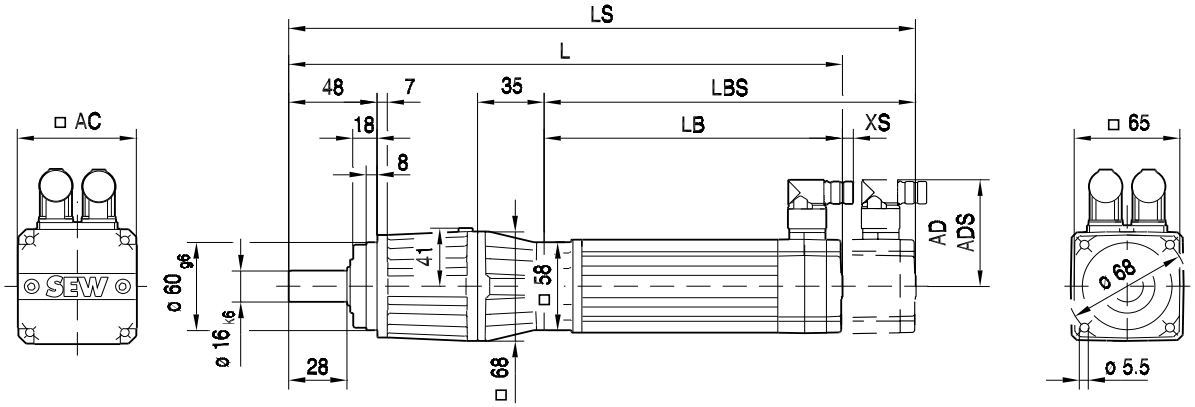
PSKF



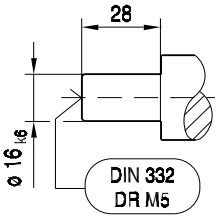
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	269	308	347	304	354	404		
LS	298	337	376	333	383	432		
LB	151	190	229	186	236	286		
LBS	180	219	258	215	265	314		
XS	18	18	18	14	14	14		

57 029 00 06

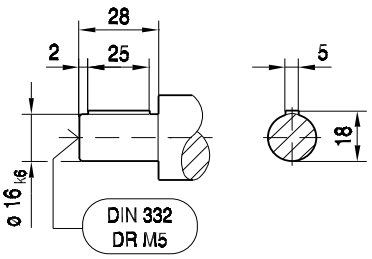
PSF222..



PSF



PSKF

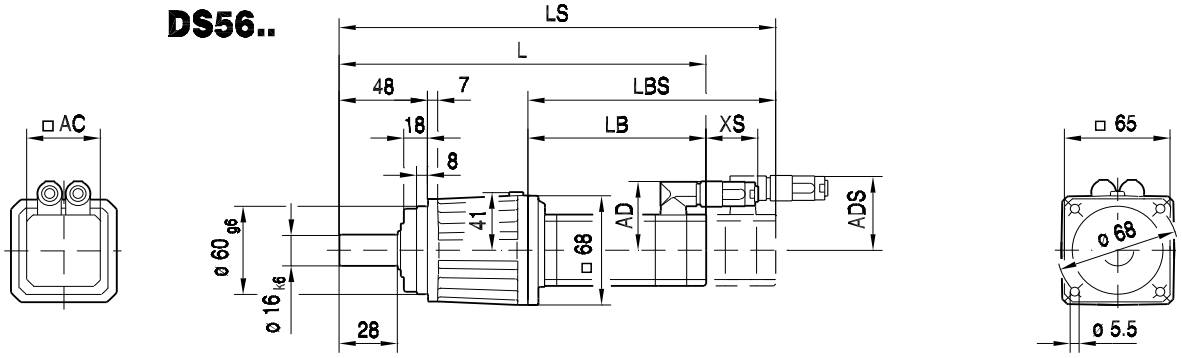


(→ 📖 150)	CMP40M	CMP50S	CMP50M	CMP50L				
AC	57	73	73	73				
AD	75	82	82	82				
ADS	75	82	82	82				
L	309	310	349	388				
LS	339	339	378	417				
LB	156	157	196	235				
LBS	186	186	225	264				
XS	19	18	18	18				

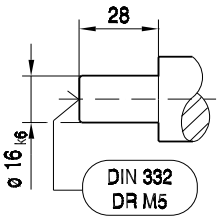
58 005 00 03

PSF221..

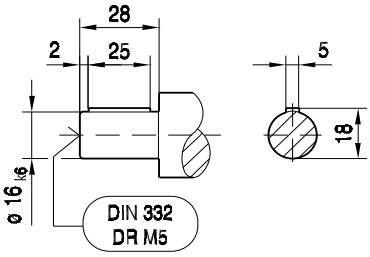
DS56..



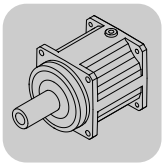
PSF



PSKF



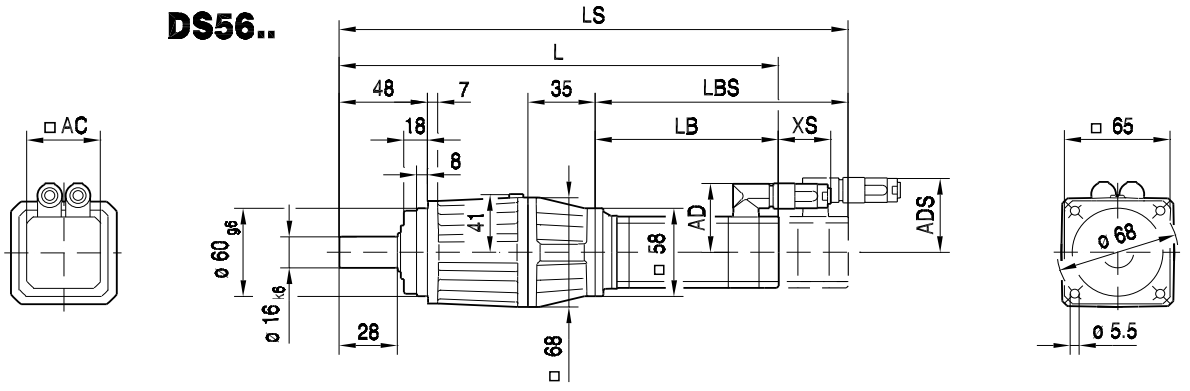
(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	262	294	397					
LS	292	324	397					
LB	144	176	279					
LBS	174	206	279					
XS	70	70	51					



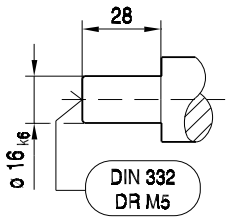
58 006 00 03

PSF222..

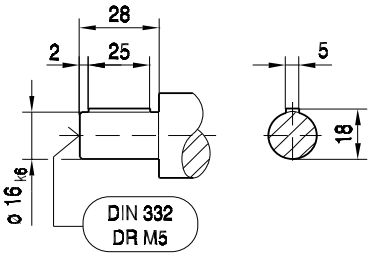
DS56..



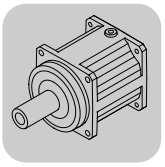
PSF



PSKF



(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	303	335	438					
LS	333	365	438					
LB	150	182	285					
LBS	180	212	285					
XS	70	70	51					



14.6 PS.F 321/322 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP						DS			CM		
	i	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSF321 1	3		31	46	33	64	90			45	49	64	93
	4	21	41	61	44	85	120	15	30	60	65	85	124
	5	26	51	76	55	106	150	19	38	75	82	106	155
	7	36	71	107	77	148	>168	26	53	105	114	149	>168
	10	51	102	>121	110			38	75	>121	>121		
PSF322 2	16	82	>153	>153	>153	>153	>153	60	119	>153			
	20	102	>169	>169	>169	>169	>169	74	149	>169			
	25	127	>169	>169	>169	>169	>169	93	>169	>169			
	28	143	>145	>145	>145	>145		104	>145	>145			
	35	>169	>169	>169	>169	>169		130	>169	>169			
	40	>142						>142	>142				
	49	>168	>168	>168	>168	>168		>168	>168	>168			
	70	>168						>168	>168				
	100	>121						>121	>121				

m [kg]		CMP						DS			CM		
	s	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSF321	1	6.7	7.6	8.5	8.0	9.5	11	5.9	6.9	7.6	13	16	18
PSF322	2	8.2	9.1	10.0	9.5	11	12	7.4	8.4	9.1	15	17	19

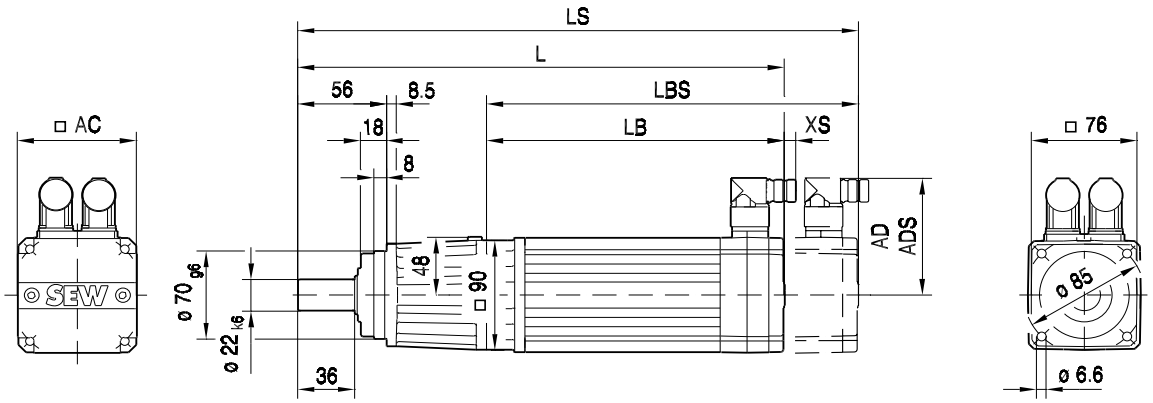
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSF321 1	3	7000	99	205.00	-0.222	0	234.00	-0.327	0	288.00	-0.595	0	6	3	1
	4	7000	99	276.00	-0.316	0	312.00	-0.455	0	387.00	-0.833	0	6	3	1
	5	7000	99	290.00	-0.355	0	328.00	-0.501	0	414.00	-0.930	0	6	3	1
	7	7000	99	296.00	-0.418	0	335.00	-0.581	0	422.00	-1.036	0	6	3	1
	10	7000	99	269.00	-0.477	0	302.00	-0.617	0	374.00	-1.016	0	6	3	1
PSF322 2	16	7500	98	312.00	-0.710	0	400.00	-1.349	0	430.00	-1.630	0	8	4	2
	20	7500	98	366.00	-0.987	0	479.00	-1.946	0	508.00	-2.259	0	8	4	2
	25	7500	98	372.00	-1.053	0	522.00	-2.195	0	512.00	-2.336	0	8	4	2
	28	7500	98	331.00	-0.884	0	418.00	-1.557	0	449.00	-1.859	0	8	4	2
	35	7500	98	396.00	-1.263	0	505.00	-2.272	0	534.00	-2.609	0	8	4	2
	40	7500	98	348.00	-1.101	0	426.00	-1.769	0	453.00	-2.062	0	8	4	2
	49	7500	98	467.00	-1.995	0	616.00	-3.752	0	641.00	-4.128	0	8	4	2
	70	7500	98	502.00	-2.580	0	633.00	-4.341	0	657.00	-4.724	0	8	4	2
	100	7500	98	577.00	-4.137	0	756.00	-7.260	0	776.00	-7.704	0	8	4	2

CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSF [Nm/']	PSF [N]	PSF [N]
PSF321 1	3	85	125	188	567	0.69	11.3	4380	5280
	4	110	170	255	450	0.35	11.7	4770	4420
	5	110	169	250	460	0.51	11.6	5100	4450
	7	110	168	250	400	0.27	10.5	5480	4470
	10	110	121	182	360	0.13	7.6	5480	5330
PSF322 2	16	110	153	230	438	0.042	9.01	5480	4800
	20	110	169	250	350	0.14	9.36	5480	4450
	25	110	169	250	280	0.088	9.23	5480	4450
	28	110	145	215	250	0.12	8.78	5480	4950
	35	110	169	250	200	0.047	9.03	5480	4450
	40	110	142	210	175	0.11	7.74	5480	5000
	49	110	168	250	143	0.042	8.72	5480	4470
	70	110	168	250	100	0.020	8.09	5480	4470
	100	110	121	182	70	0.019	6.44	5480	5330

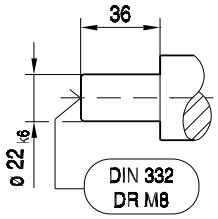
14.7 PS.F 321/322 / CMP / DS / CM [mm]

57 030 00 06

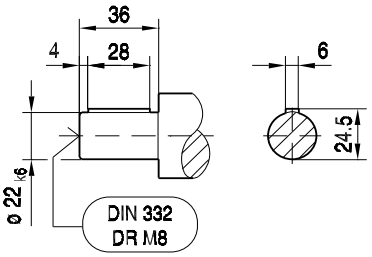
PSF321..



PSF



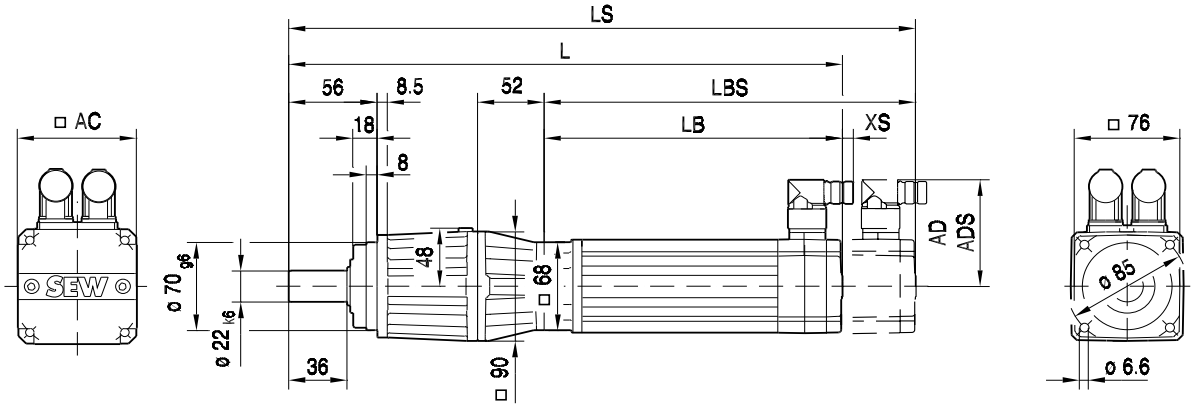
PSKF



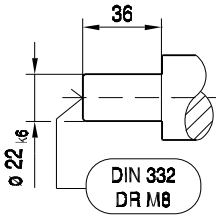
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	291	330	369	326	376	426		
LS	320	359	398	355	405	455		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

57 031 00 06

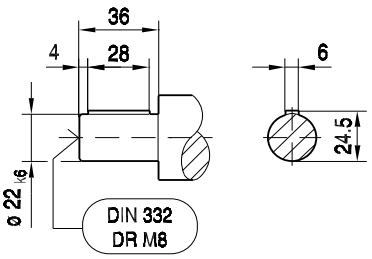
PSF322..



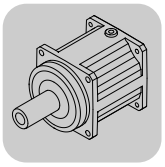
PSF



PSKF



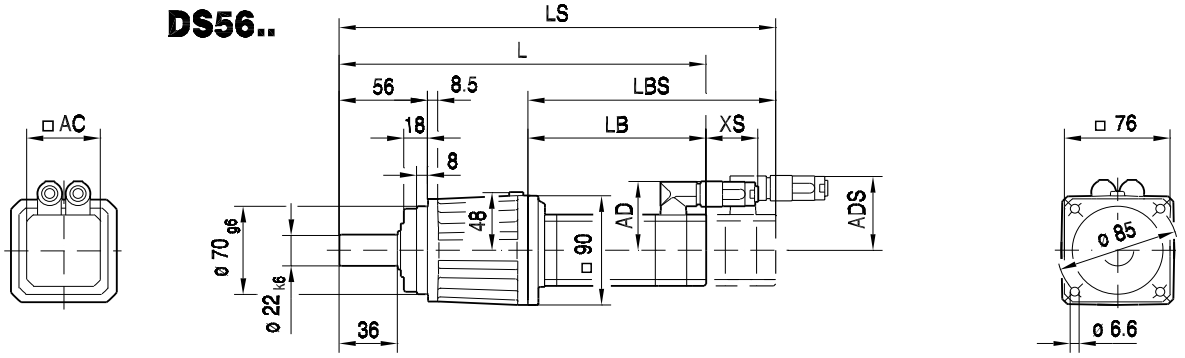
(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	348	387	426	383	433	483		
LS	377	416	455	412	462	511		
LB	151	190	229	186	236	286		
LBS	180	219	258	215	265	314		
XS	18	18	18	14	14	14		

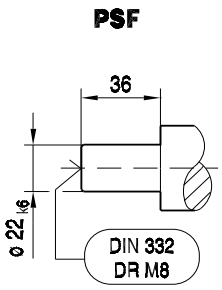


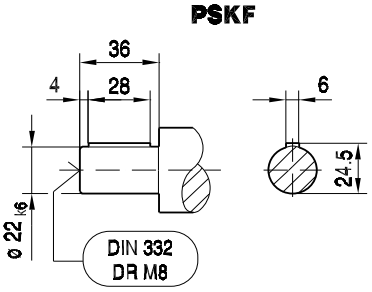
58 007 00 03

PSF321..

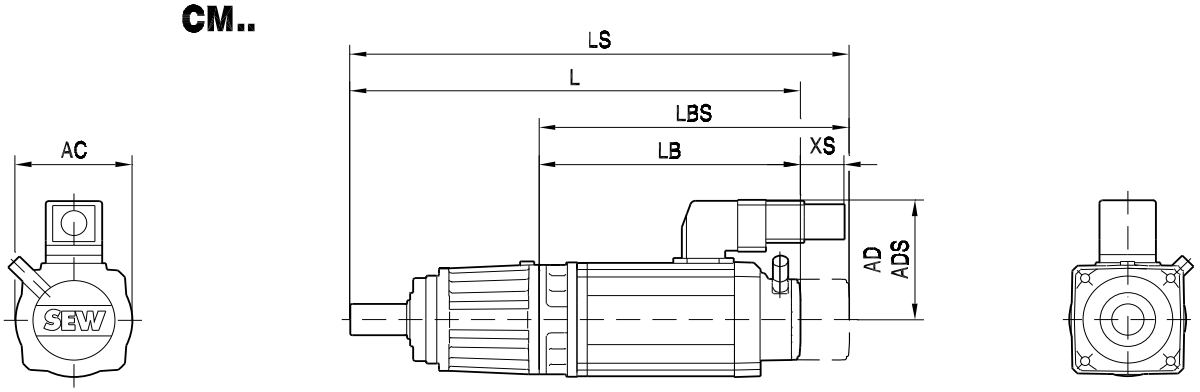
DS56..







CM..

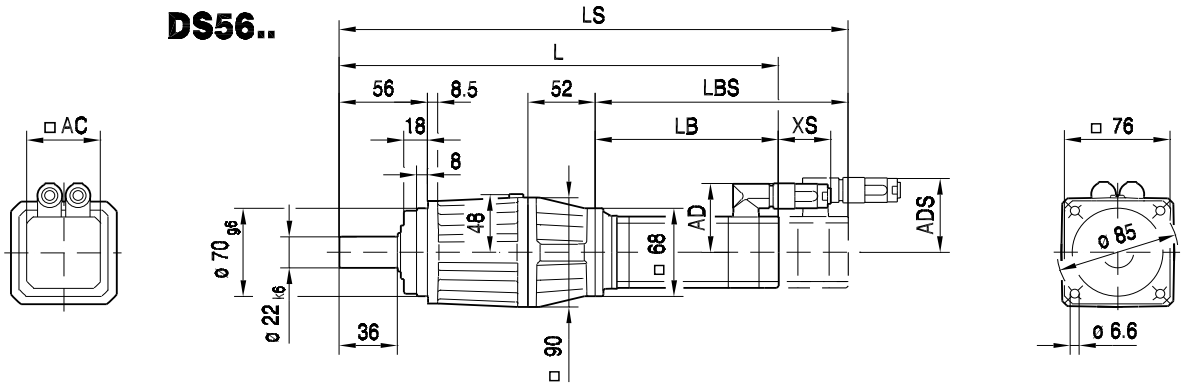


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	284	316	419	385	405	445		
LS	314	346	419	467	487	527		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

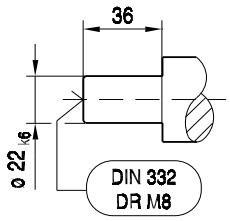
58 008 00 03

PSF322..

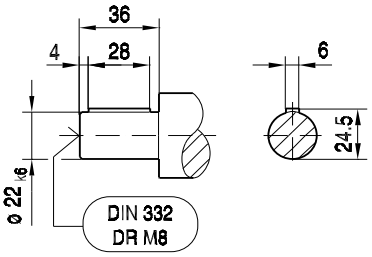
DS56..



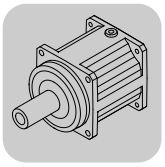
PSF



PSKF



(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	341	373	476					
LS	371	403	476					
LB	144	176	279					
LBS	174	206	279					
XS	70	70	51					



14.8 PS.F 521/522 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP						DS			CM					
	i	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L	90S	90M	90L
PSF521 1	3														155	225
	4					85	120					85	124	157	207	299
	5		51	76	55	106	150			75	82	106	155	196	258	374
	7		71	107	77	148	211			105	114	149	218	274	>360	>360
	10		102	152	110	212	>270			150	163	213	>270	>270		
PSF522 2	16	82	162	241	174	336	>385	60	119	238	259	337	>385			
	20	102	202	302	218	>375	>375	74	149	298	323	>375	>375			
	25	127	252	>375	272	>375	>375	93	186	372	>375	>375	>375			
	28	143	283	>385	305	>385	>385	104	209	>385	>385	>385	>385			
	35	178	353	>375	>375	>375	>375	130	261	>375	>375	>375	>375			
	40	204	>385	>385	>385			149	298	>385	>385					
	49	250	>360	>360	>360	>360	>360	182	>360	>360	>360	>360	>360			
	70	357	>360	>360	>360			261	>360	>360	>360					
	100	>270	>270	>270	>270			>270	>270	>270	>270					

m [kg]		CMP						DS			CM					
	s	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L	90S	90M	90L
PSF521	1	9.9	11	12	12	13	15	9.1	10	11	17	19	21	27	30	35
PSF522	2	13	14	15	14	16	17	12	13	14	20	22	24	30	33	38

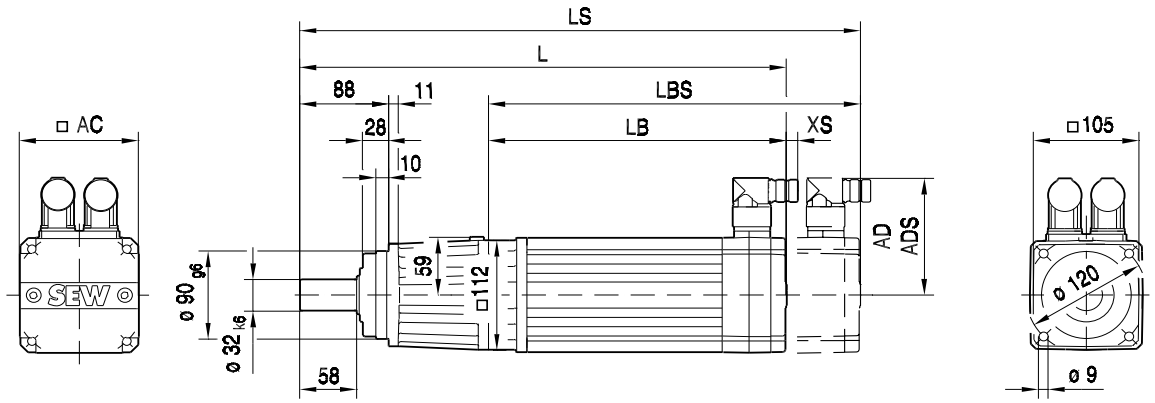
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSF521 1	3	6000	99	445.00	-0.542	0	515.00	-0.834	0	676.00	-1.697	0	6	3	1
	4	6000	99	626.00	-0.806	0	736.00	-1.274	0	955.00	-2.483	0	6	3	1
	5	6000	99	633.00	-0.860	0	747.00	-1.345	0	964.00	-2.554	0	6	3	1
	7	6000	99	670.00	-1.029	0	805.00	-1.596	0	1024.0	-2.855	0	6	3	1
	10	6000	99	651.00	-1.253	0	752.00	-1.709	0	937.00	-2.831	0	6	3	1
PSF522 2	16	7000	98	683.00	-1.837	0	835.00	-3.238	0	888.00	-3.890	0	8	4	2
	20	7000	98	751.00	-2.385	0	981.00	-4.855	0	1107.0	-6.734	0	8	4	2
	25	7000	98	781.00	-2.642	0	1012.0	-5.183	0	1142.0	-7.143	0	8	4	2
	28	7000	98	732.00	-2.395	0	873.00	-3.829	0	924.00	-4.507	0	8	4	2
	35	7000	98	870.00	-3.860	0	1027.0	-5.742	0	1150.0	-7.701	0	8	4	2
	40	7000	98	759.00	-3.015	0	876.00	-4.378	0	919.00	-5.027	0	8	4	2
	49	7000	98	1064.0	-6.079	0	1323.0	-9.798	0	1445.0	-12.110	0	8	4	2
	70	7000	98	1122.0	-7.805	0	1331.0	-11.307	0	1424.0	-13.427	0	8	4	2
	100	7000	98	1077.0	-6.893	0	1467.0	-13.340	0	1576.0	-15.732	0	8	4	2

CMP.. / DS.. / CM..							c_T PSF	F_{Ramax} PSF	F_{Rapk} PSF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/']	[N]	[N]
PSF521 1	3	180	280	420	2267	2.7	29.1	6150	9540
	4	300	385	575	450	1.4	31.7	6700	8680
	5	300	375	560	420	1.3	31.5	7170	8780
	7	300	360	540	371	0.68	27.8	7930	8920
	10	270	270	405	480	0.34	20.4	8820	9610
PSF522 2	16	300	385	575	431	0.38	23.93	9400	8680
	20	300	375	560	350	0.37	25.06	9400	8780
	25	300	375	560	280	0.24	24.64	9400	8780
	28	300	385	575	250	0.33	22.53	9400	8680
	35	300	375	560	200	0.13	23.52	9400	8780
	40	300	385	575	175	0.31	18.92	9400	8680
	49	300	360	540	143	0.12	22.56	9400	8920
	70	300	360	540	100	0.057	20.3	9400	8920
	100	270	270	405	70	0.054	16.71	9610	9610

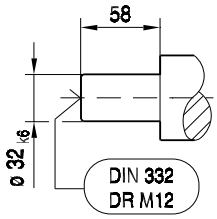
14.9 PS.F 521/522 / CMP / DS / CM [mm]

57 032 00 06

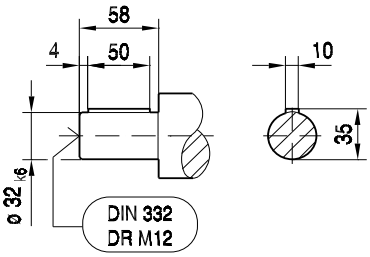
PSF521..



PSF



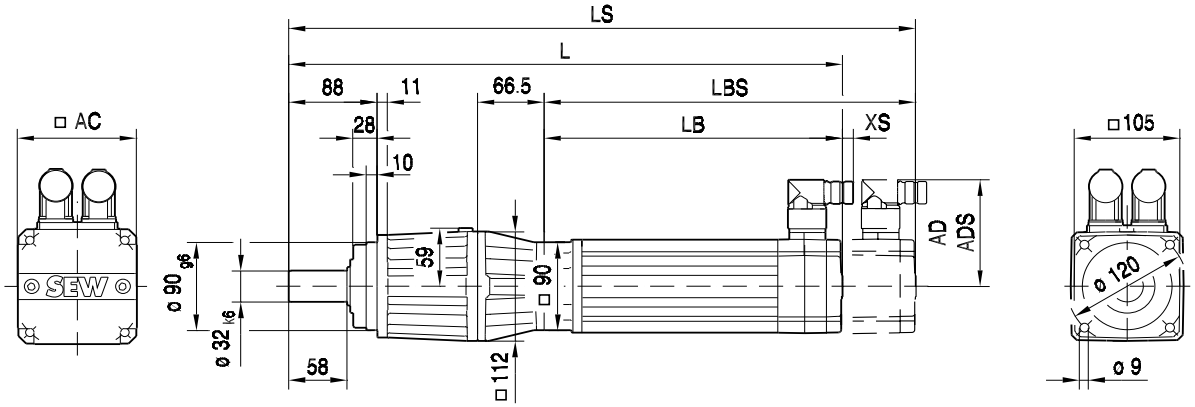
PSKF



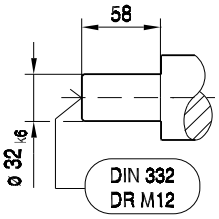
(→ 📖 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	370	409	366	416	466			
LS	399	438	394	444	494			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

57 033 00 06

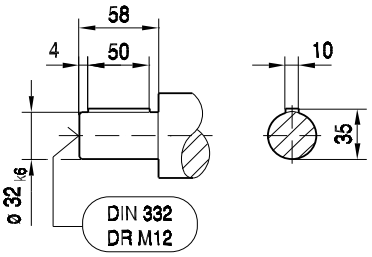
PSF522..



PSF



PSKF

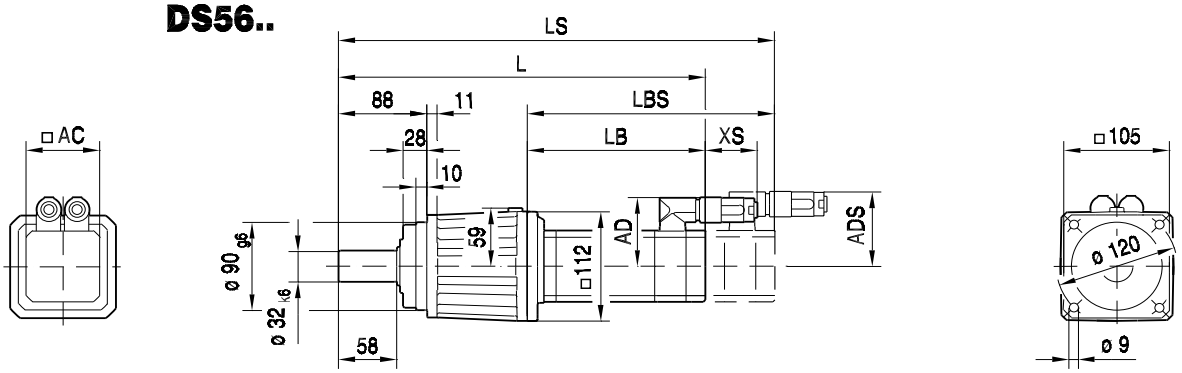


(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	402	441	480	437	487	537		
LS	431	470	509	466	516	566		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

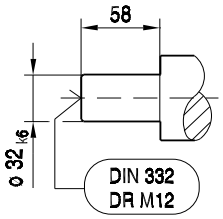
58 011 00 03

PSF521..

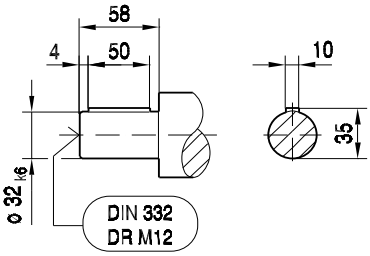
DS56..



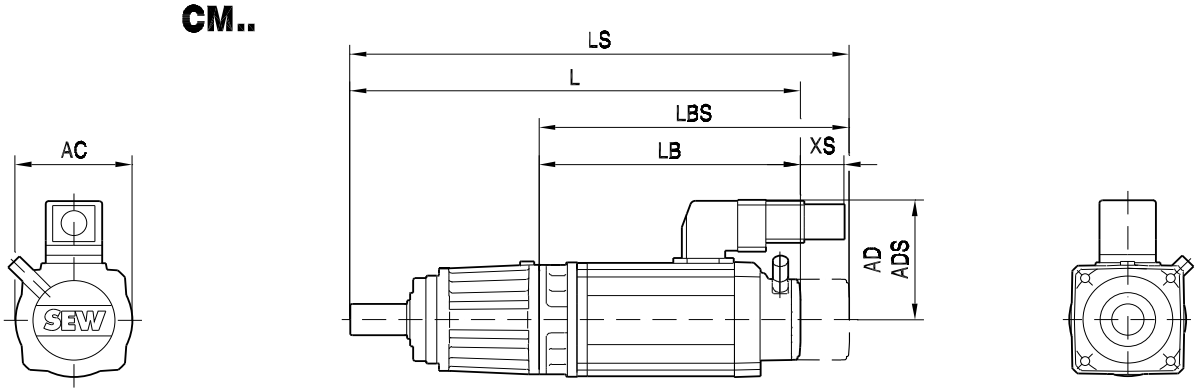
PSF



PSKF



CM..

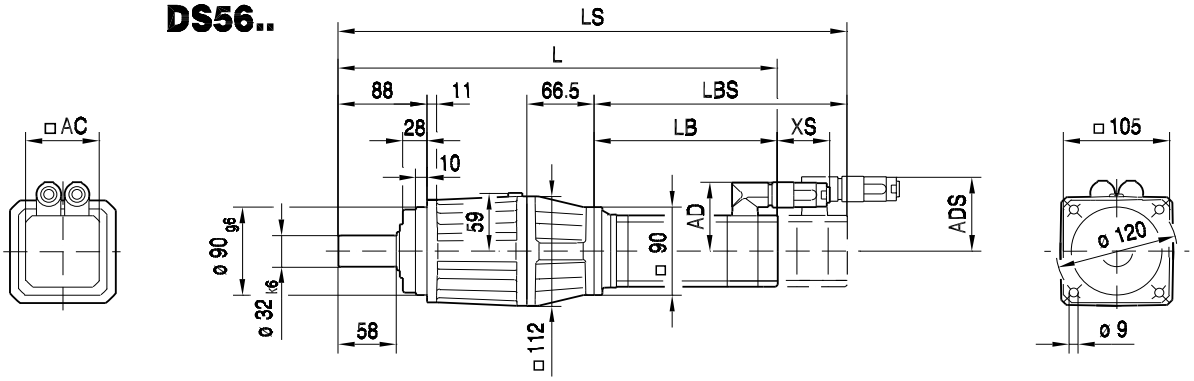


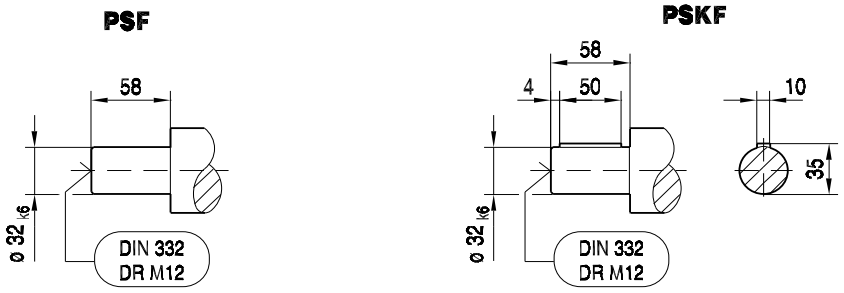
(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	458	424	444	484	476	503	557	
LS	458	506	526	566	571	598	652	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	

58 012 00 03

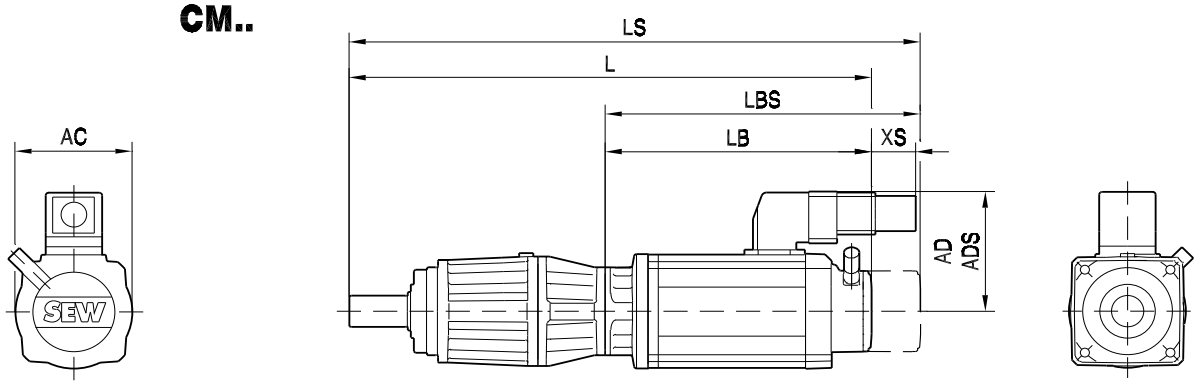
PSF522..

DS56..

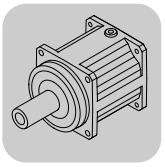




CM..



(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	395	427	530	496	516	556		
LS	425	457	530	578	598	638		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		



14.10 PS.F 621/622 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP					DS	CM									
	i	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF621 1	4											207	299	326	430	624	>745
	5					150				155	196	258	374	407	537	>700	>700
	7					211				218	274	362	524	570	>660		
	10					301		163	213	311	392	>500	>500				
PSF622 2	16				336	477			337	492	621	>745	>745				
	20				419	596			421	615	>700	>700	>700				
	25	252	377	272	524	>700	372	404	527	>700	>700	>700	>700				
	28	283	423	305	587	>745	417	453	590	>745	>745	>745	>745				
	35	353	528	381	>700	>700	521	566	>700	>700	>700	>700	>700				
	40	404	604	435	>745	>745	596	647	>745	>745	>745						
	49	495	>660	533	>660	>660	>660	>660	>660	>660	>660	>660	>660				
	70	>660	>660	>660	>660	>660	>660	>660	>660	>660	>660						
	100	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500						

m [kg]		CMP					DS	CM									
	s	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF621	1	19	20	20	21	23	19	25	26	30	36	38	43	46	50	66	73
PSF622	2	24	25	25	27	29	25	30	32	35	41	44	48	51	55	71	78

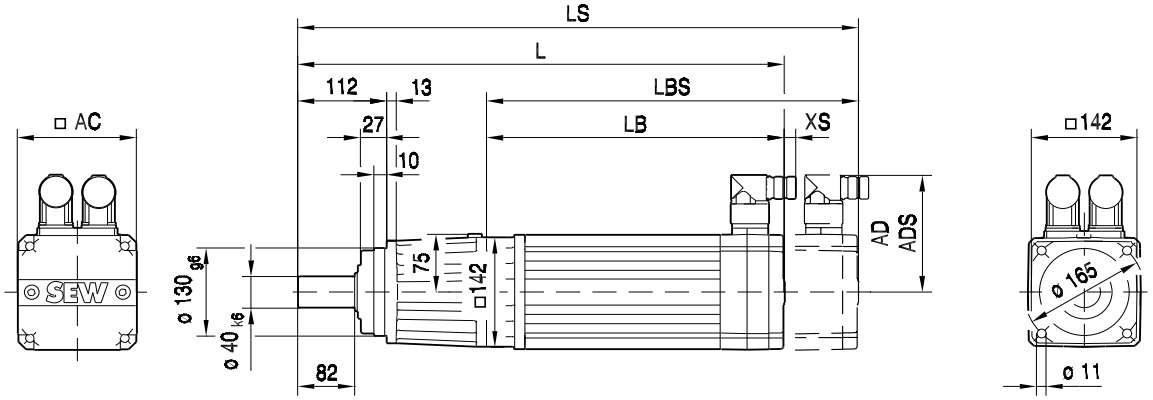
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSF621 1	4	6000	99	1186.0	-1.675	0	1399.0	-2.659	0	1830.0	-5.404	0	4	2	1
	5	6000	99	1176.0	-1.751	0	1402.0	-2.761	0	1836.0	-5.516	0	4	2	1
	7	6000	99	1290.0	-2.268	0	1505.0	-3.257	0	1948.0	-6.140	0	4	2	1
	10	6000	99	1059.0	-1.739	0	1306.0	-2.710	0	1764.0	-5.445	0	4	2	1
PSF622 2	16	6000	98	1347.0	-4.385	0	1660.0	-7.947	0	1760.0	-9.517	0	6	3	1
	20	6000	98	1530.0	-7.334	0	1859.0	-12.068	0	2106.0	-16.961	0	6	3	1
	25	6000	98	1562.0	-7.844	0	1890.0	-12.609	0	2148.0	-17.712	0	6	3	1
	28	6000	98	1456.0	-5.614	0	1765.0	-9.355	0	1865.0	-11.032	0	6	3	1
	35	6000	98	1662.0	-9.338	0	1987.0	-14.315	0	2266.0	-19.903	0	6	3	1
	40	6000	98	1532.0	-7.060	0	1803.0	-10.733	0	1911.0	-12.558	0	6	3	1
	49	6000	98	2051.0	-14.837	0	2556.0	-24.533	0	2744.0	-29.980	0	6	3	1
	70	6000	98	1951.0	-13.437	0	2459.0	-22.865	0	2639.0	-28.039	0	6	3	1
	100	6000	98	2327.0	-21.522	0	3156.0	-40.509	0	3278.0	-45.862	0	6	3	1

CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSF [Nm/']	PSF [N]	PSF [N]
PSF621 1	4	600	745	1110	300	4.4	57.0	13400	13400
	5	600	700	1050	280	4.3	56.0	13900	13500
	7	600	660	990	243	2.2	50.0	13900	13700
	10	500	500	750	420	1.1	38.0	14200	14200
PSF622 2	16	600	745	1110	306	1.4	48.34	13900	13400
	20	600	700	1050	230	1.4	48.97	13900	13500
	25	600	700	1050	228	0.94	48.17	13900	13500
	28	600	745	1110	250	1.3	44.83	13900	13400
	35	600	700	1050	200	0.49	45.67	13900	13500
	40	600	745	1110	175	1.2	39.4	13900	13400
	49	600	660	990	143	0.45	43.39	13900	13700
	70	600	660	990	100	0.22	40.24	13900	13700
	100	500	500	750	70	0.21	33.01	14200	14200

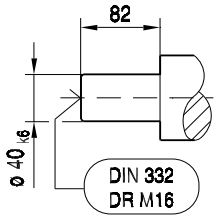
14.11 PS.F 621/622 / CMP / DS / CM [mm]

57 034 00 06

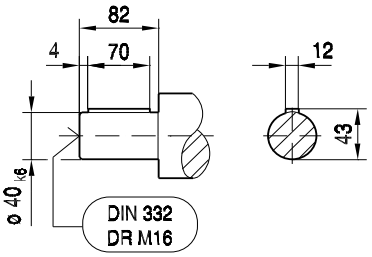
PSF621..



PSF



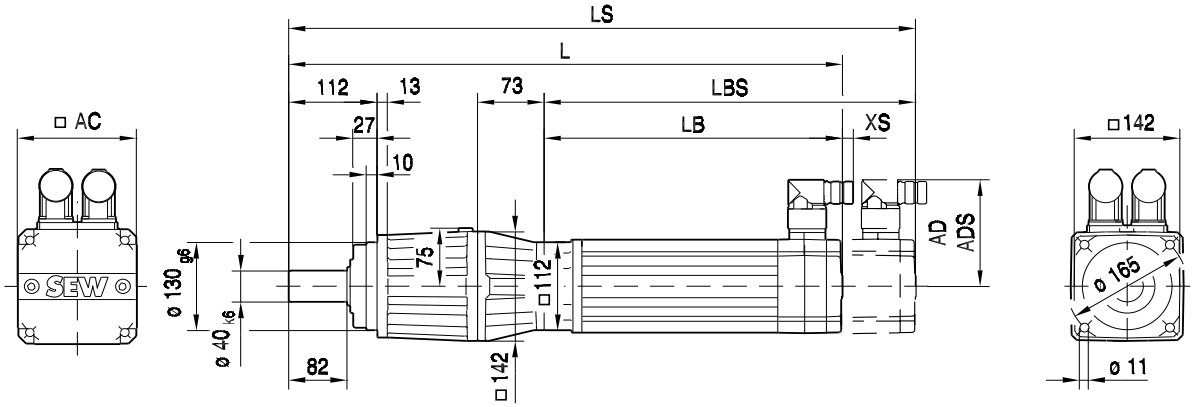
PSKF



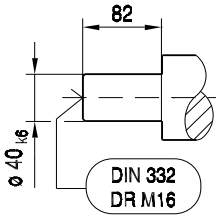
(→ 📖 150)	CMP63L							
AC	88							
AD	89							
ADS	89							
L	516							
LS	545							
LB	268							
LBS	297							
XS	14							

57 035 00 06

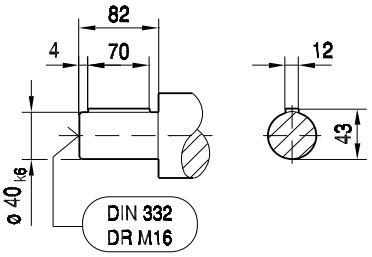
PSF622..



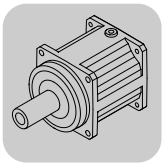
PSF



PSKF

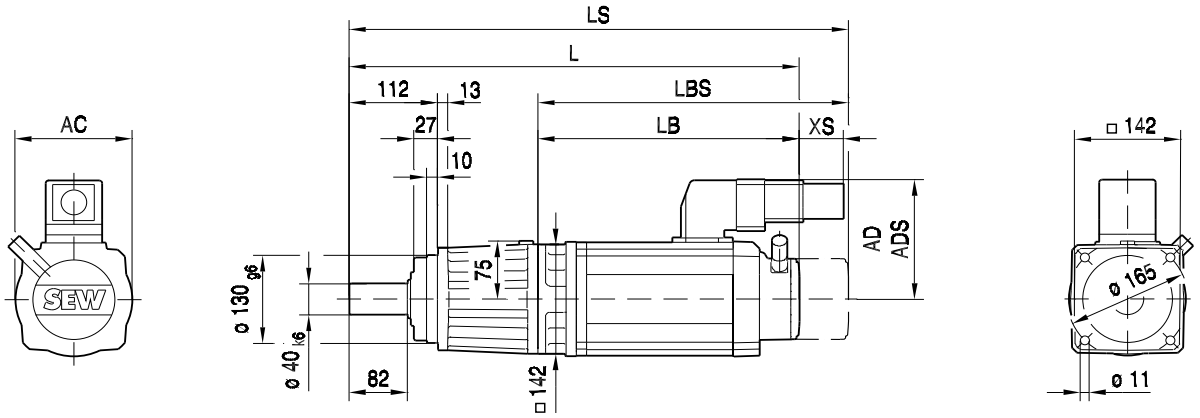


(→ 📖 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	501	540	497	547	597			
LS	530	569	526	576	626			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

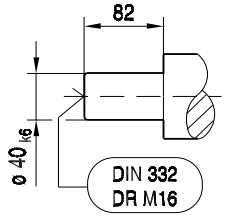


58 013 00 03

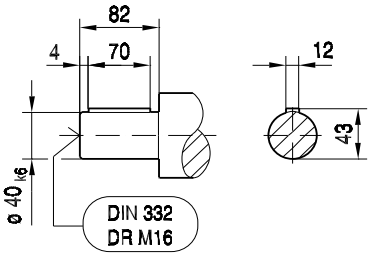
PSF621..



PSF



PSKF

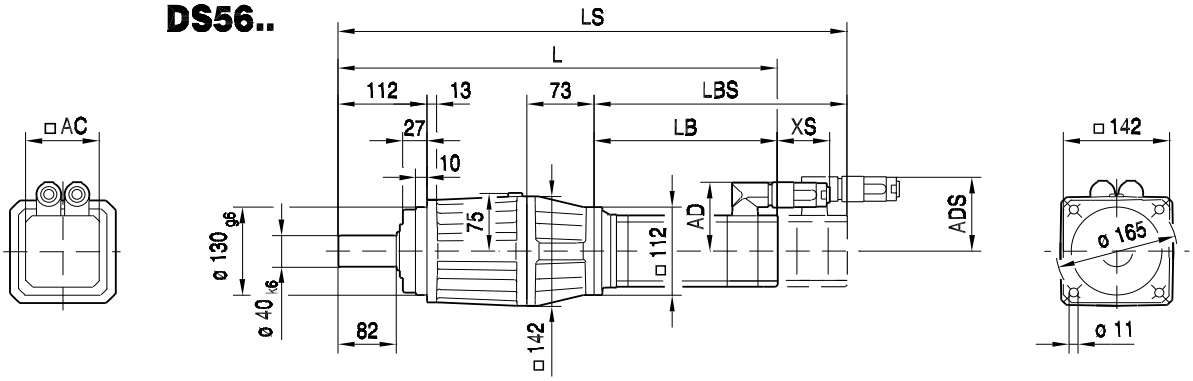


(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H
AC	117	117	117	142	142	142	186	186	186	186
AD	122	122	122	140	140	140	162	162	162	162
ADS	122	122	122	140	140	140	162	162	162	162
L	475	495	535	527	554	608	562	589	646	771
LS	557	577	617	622	649	703	652	679	736	836
LB	227	247	287	279	306	360	314	341	398	523
LBS	309	329	369	374	401	455	404	431	488	588
XS	45	45	45	50	50	50	36	36	36	36

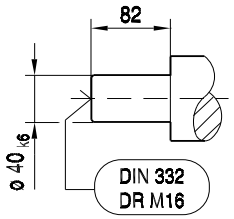
58 014 00 03

PSF622..

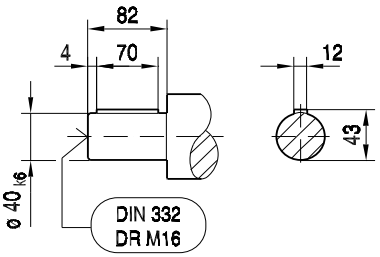
DS56..



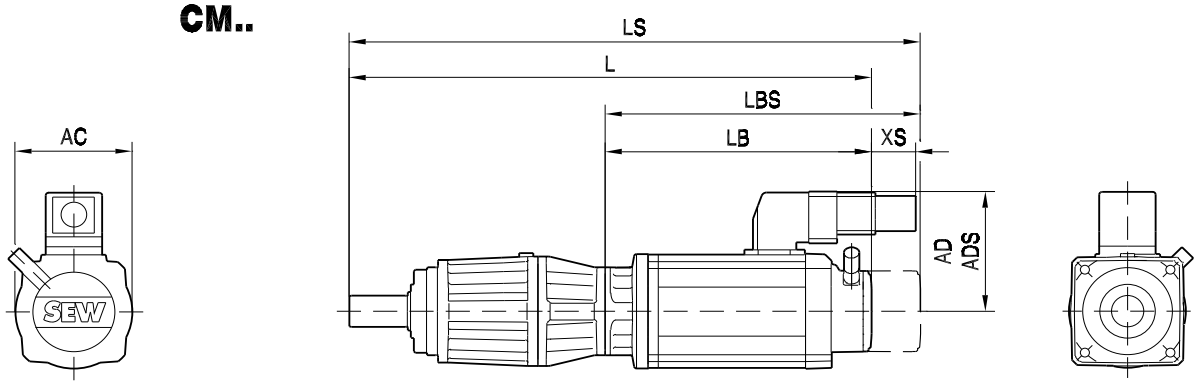
PSF



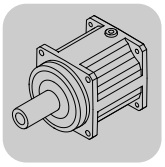
PSKF



CM..



(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	590	556	576	616	608	635	689	
LS	590	638	658	698	703	730	784	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	



14.12 PS.F 721/722 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP					DS	CM									
	i	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF721 1	4													326	430	624	942
	5													407	537	780	1178
	7											362	524	570	752	1091	>1380
	10											517	748	815	>1050		
PSF722 2	16				336	477			337	492	621	818	1185				
	20				419	596			421	615	776	1023	1482				
	25	252	377	272	524	745	372	404	527	769	970	1279	>1540				
	28	283	423	305	587	834	417	453	590	862	1087	>1350	>1350				
	35	353	528	381	734	1043	521	566	737	1077	1358	>1540	>1540				
	40	404	604	435	839	>1080	596	647	843	>1080	>1080						
	49	495	740	533	1028	>1380	730	792	1032	>1380	>1380	>1380	>1380				
	70	707	1056	761	>1380	>1380	1043	1132	>1380	>1380	>1380						
	100	1009	>1050	>1050	>1050	>1050	>1050	>1050	>1050	>1050	>1050						

m [kg]		CMP					DS	CM									
	s	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF721	1	32	33	33	35	36	33	38	40	43	49	53	58	60	64	80	87
PSF722	2	39	40	40	42	43	40	45	46	50	56	60	64	66	71	87	94

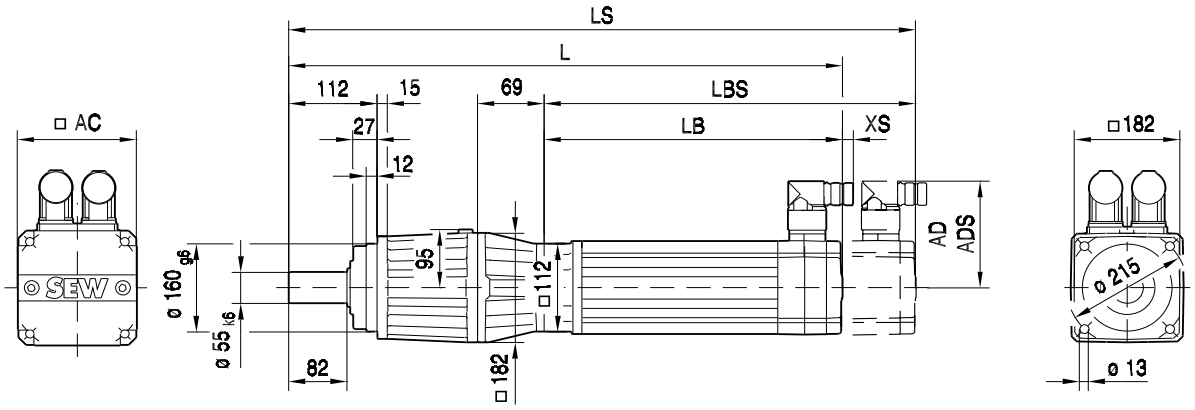
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSF721 1	4	4500	99	2288.0	-3.437	0	2722.0	-5.815	0	3473.0	-11.679	0	4	2	1
	5	4500	99	2309.0	-3.570	0	2746.0	-5.951	0	3503.0	-11.878	0	4	2	1
	7	4500	99	2377.0	-4.171	0	2811.0	-6.427	0	3629.0	-12.643	0	4	2	1
	10	4500	99	2233.0	-4.553	0	2602.0	-6.455	0	3361.0	-12.221	0	4	2	1
PSF722 2	16	6000	98	2190.0	-6.493	0	2548.0	-10.764	0	2779.0	-14.201	0	6	3	1
	20	6000	98	2400.0	-8.185	0	2857.0	-14.191	0	3065.0	-17.745	0	6	3	1
	25	6000	98	2434.0	-8.643	0	2887.0	-14.651	0	3098.0	-18.278	0	6	3	1
	28	6000	98	2223.0	-7.521	0	2594.0	-11.891	0	2834.0	-15.477	0	6	3	1
	35	6000	98	2550.0	-10.050	0	3009.0	-16.379	0	3216.0	-20.048	0	6	3	1
	40	6000	98	2098.0	-8.216	0	2451.0	-12.365	0	2676.0	-15.787	0	6	3	1
	49	6000	98	2915.0	-14.944	0	3640.0	-26.147	0	3839.0	-30.340	0	6	3	1
	70	6000	98	3051.0	-18.629	0	3669.0	-29.409	0	3842.0	-33.476	0	6	3	1
	100	6000	98	3522.0	-29.556	0	4490.0	-49.846	0	4683.0	-54.900	0	6	3	1

CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSF [Nm/']	PSF [N]	PSF [N]
PSF721 1	4	1000	1550	2320	450	13	146.0	22700	34800
	5	1000	1540	2310	420	8.6	143.0	24300	34500
	7	1000	1380	2070	357	4.5	125.0	26900	35000
	10	1000	1050	1570	340	2.2	91.0	29900	35800
PSF722 2	16	1000	1470	2200	181	2.0	104.12	34500	34700
	20	1000	1540	2310	345	1.3	108.88	35900	34500
	25	1000	1540	2310	280	1.1	106.12	35900	34500
	28	1000	1350	2020	168	0.68	89.7	35900	35100
	35	1000	1540	2310	200	0.58	95.13	35900	34500
	40	1000	1080	1620	140	0.33	70.53	35900	35800
	49	1000	1380	2070	143	0.50	92.94	35900	35000
	70	1000	1380	2070	100	0.25	79.9	35900	35000
	100	1000	1050	1570	70	0.22	68.87	35900	35800

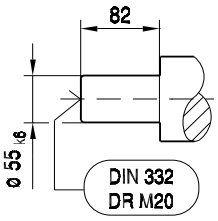
14.13 PS.F 721/722 / CMP / DS / CM [mm]

57 037 00 06

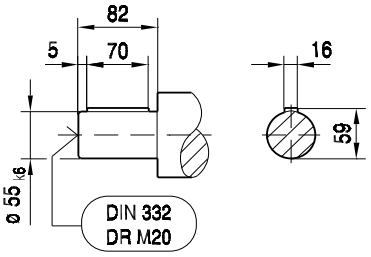
PSF722..



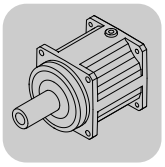
PSF



PSKF

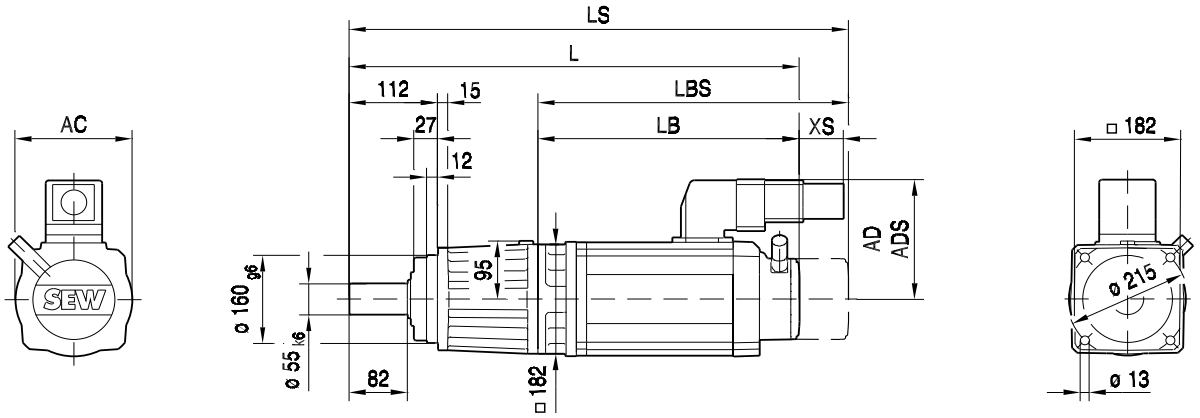


(→ 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	523	562	519	569	619			
LS	552	591	548	598	648			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

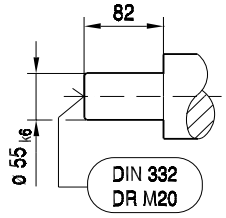


58 015 00 03

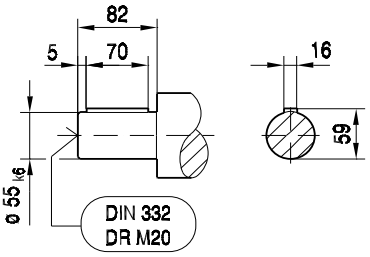
PSF721..



PSF



PSKF

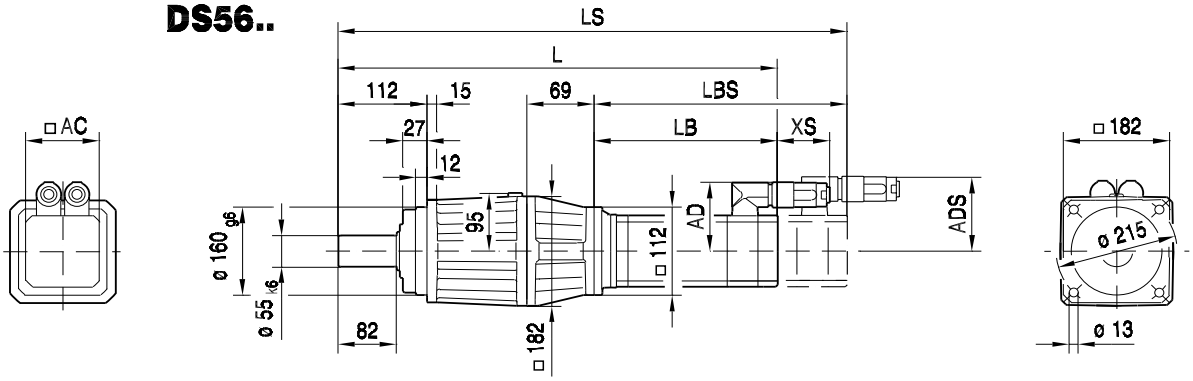


(→ 📖 150)	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H		
AC	142	142	186	186	186	186		
AD	140	140	162	162	162	162		
ADS	140	140	162	162	162	162		
L	576	630	584	611	668	801		
LS	671	725	674	701	758	866		
LB	302	356	310	337	394	527		
LBS	397	451	400	427	484	592		
XS	50	50	36	36	36	36		

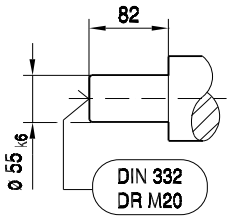
58 016 00 03

PSF722..

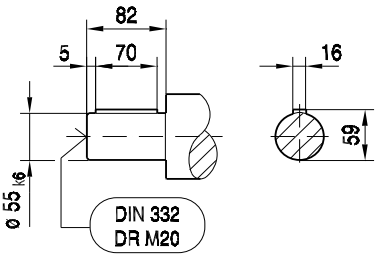
DS56..



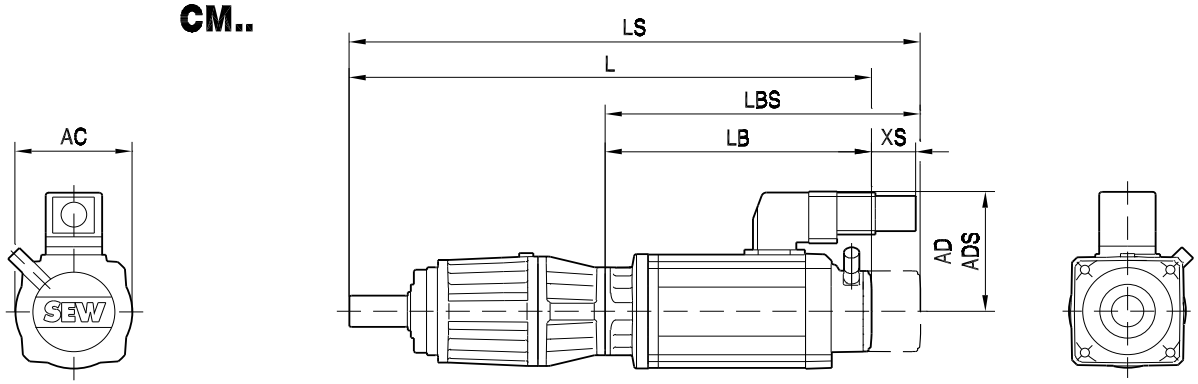
PSF



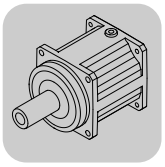
PSKF



CM..



(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	612	578	598	638	630	657	711	
LS	612	660	680	720	725	752	806	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	



14.14 PS.F 821/822 / CMP / CM [Nm]

M_{aDyn} [Nm]		CMP	CM									
	i	63L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF821 1	4											
	5											
	7											
	10											
PSF822 2	16						818	1185	1290	1701	2470	>2500
	20						1023	1482	1613	2127	>2500	>2500
	25	745			769	970	1279	1852	2016	>2500	>2500	>2500
	28	834			862	1087	1432	2074	2258	>2500		
	35	1043			1077	1358	1790	>2500	>2500	>2500		
	40	1192	647	843	1231	1552	>2000	>2000				
	49	1460			1508	1902	2507	>2740	>2740	>2740		
	70	2085	1132	1475	2154	2717	>2740	>2740				
	100	>2060	1617	>2060	>2060	>2060	>2060	>2060				

m [kg]		CMP	CM									
	s	63L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSF821	1	50	52	53	56	62	64	70	72	76	92	99
PSF822	2	63	65	66	70	76	78	83	86	90	105	115

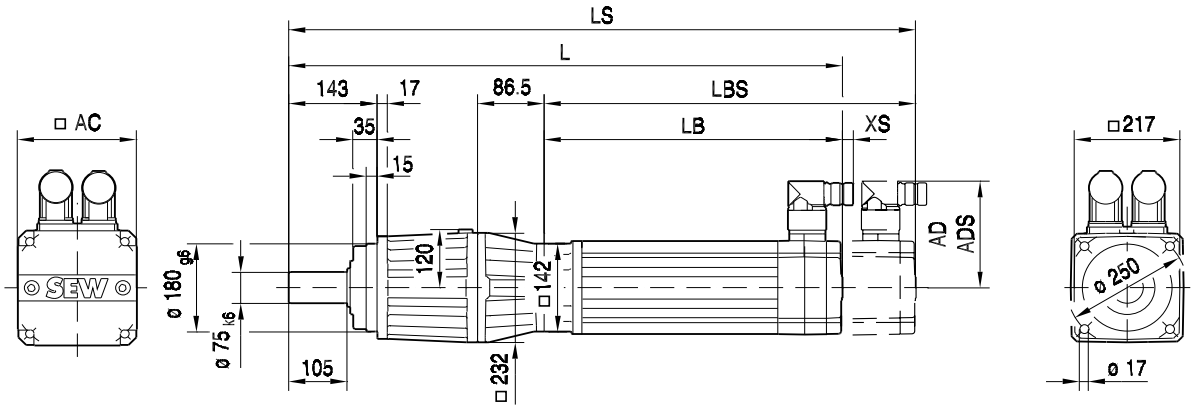
CMP.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
PSF821 1	4	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	5	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	7	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	10	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
PSF822 2	16	6000	98	3871.0	-13.296	0	4541.0	-22.002	0	4968.0	-29.212	0	6	3	1
	20	6000	98	4406.0	-24.058	0	5007.0	-34.125	0	6113.0	-58.782	0	6	3	1
	25	6000	98	4478.0	-25.333	0	5074.0	-35.377	0	6180.0	-60.325	0	6	3	1
	28	6000	98	4113.0	-16.193	0	4784.0	-25.218	0	5227.0	-32.940	0	6	3	1
	35	6000	98	4703.0	-28.994	0	5302.0	-39.407	0	6432.0	-65.521	0	6	3	1
	40	6000	98	3947.0	-18.132	0	4586.0	-26.684	0	5043.0	-34.537	0	6	3	1
	49	6000	98	5602.0	-42.367	0	6553.0	-62.572	0	7505.0	-89.863	0	6	3	1
	70	6000	98	5901.0	-52.384	0	6737.0	-71.810	0	7681.0	-100.25	0	6	3	1
	100	6000	98	6600.0	-77.444	0	7873.0	-113.80	0	8521.0	-140.65	0	6	3	1

CMP.. / CM..							c_T PSF	F_{Ramax} PSF	F_{Rapk} PSF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/']	[N]	[N]
PSF821 1	4	1750	2500	3750	300	52	394.0	30000	61700
	5	1750	2500	3750	280	47	403.0	32100	61700
	7	1750	2740	4110	243	25	364.0	35500	61200
	10	1750	2060	3090	230	12	283.0	39500	62400
PSF822 2	16	1750	2500	3750	225	7.1	297.55	45500	61700
	20	1750	2500	3750	265	6.8	314.0	48600	61700
	25	1750	2500	3750	268	4.4	302.23	52000	61700
	28	1750	2500	3750	161	5.4	253.94	53800	61700
	35	1750	2500	3750	200	2.3	270.43	57500	61700
	40	1750	2000	3000	168	4.6	183.25	59900	62500
	49	1750	2740	4110	143	1.8	277.8	62800	61200
	70	1750	2740	4110	100	0.91	223.29	62800	61200
	100	1750	2060	3090	70	0.78	207.07	62800	62400

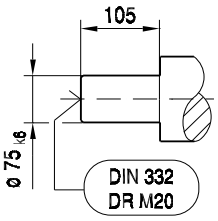
14.15 PS.F 821/822 / CMP / CM [mm]

57 049 00 06

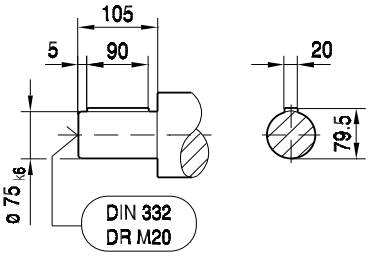
PSF822..



PSF



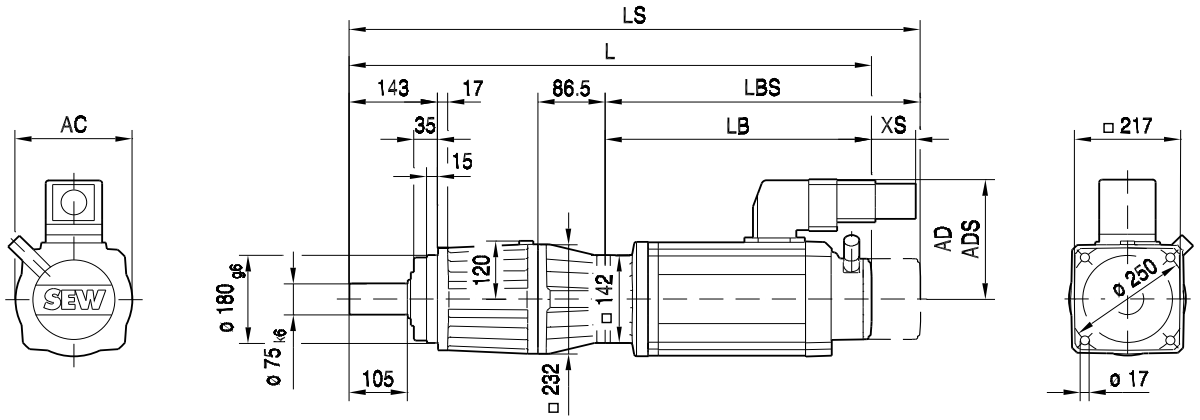
PSKF



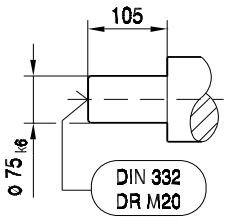
(→ 📖 150)	CMP63L							
AC	88							
AD	89							
ADS	89							
L	679							
LS	707							
LB	268							
LBS	297							
XS	14							

58 018 00 03

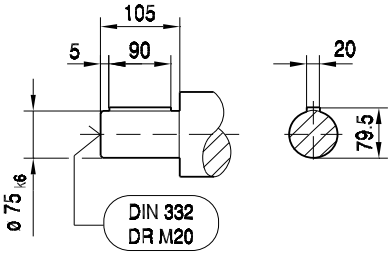
PSF822..



PSF



PSKF



(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H
AC	117	117	117	142	142	142	186	186	186	186
AD	122	122	122	140	140	140	162	162	162	162
ADS	122	122	122	140	140	140	162	162	162	162
L	637	657	697	689	716	770	724	751	808	934
LS	719	739	779	784	811	865	814	841	898	999
LB	227	247	287	279	306	360	314	341	398	523
LBS	309	329	369	374	401	455	404	431	488	588
XS	45	45	45	50	50	50	36	36	36	36

14.16 PS.F 921/922 / CM [Nm]

M_{aDyn} [Nm]		CM					
	i	90M	90L	112S	112M	112L	112H
PSF921 1	4						
	5						
	7						
	10						
PSF922 2	16			1290	1701	2470	3732
	20			1613	2127	3087	>4200
	25			2016	2658	3859	>4200
	28	1432	2074	2258	2977	>4200	>4200
	35	1790	2593	2823	3722	>4200	>4200
	40	2046	2964	3226	>4200		
	49	2507	>3310	>3310	>3310	>3310	>3310
	70	3581	>4200	>4200	>4200		
	100	>3230	>3230	>3230	>3230		

m [kg]		CM					
	s	90M	90L	112S	112M	112L	112H
PSF921	1	80	85	87	92	110	115
PSF922	2	100	105	110	110	130	135

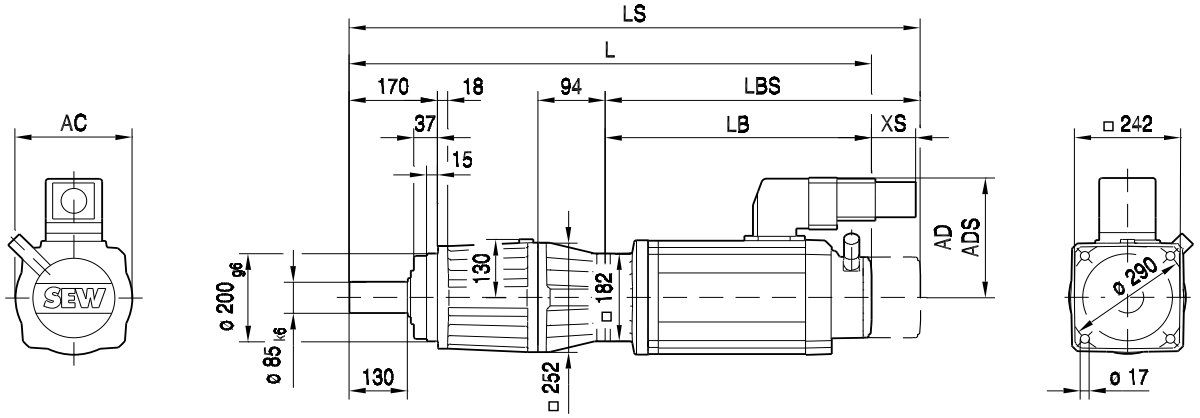
CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
PSF921 1	4	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	5	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	7	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	10	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
PSF922 2	16	4500	98	6739.0	-32.288	0	7810.0	-50.952	0	8299.0	-61.476	0	6	3	1
	20	4500	98	6947.0	-34.756	0	8395.0	-61.188	0	8826.0	-71.640	0	6	3	1
	25	4500	98	7003.0	-35.696	0	8459.0	-62.307	0	8897.0	-72.954	0	6	3	1
	28	4500	98	6981.0	-35.629	0	8094.0	-55.208	0	8595.0	-66.164	0	6	3	1
	35	4500	98	7239.0	-39.178	0	8731.0	-66.919	0	9199.0	-78.275	0	6	3	1
	40	4500	98	6912.0	-38.324	0	7971.0	-57.478	0	8456.0	-68.332	0	6	3	1
	49	4500	98	7925.0	-52.774	0	10351	-102.66	0	10602	-112.90	0	6	3	1
	70	4500	98	8606.0	-64.942	0	10715	-114.02	0	11060	-126.12	0	6	3	1
	100	4500	98	9818.0	-100.18	0	12834	-187.94	0	12892	-197.42	0	6	3	1

CM..							c_T PSF	F_{Ramax} PSF	F_{Rapk} PSF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/']	[N]	[N]
PSF921 1	4	3000	4200	6300	250	96	507.0	32100	81600
	5	3000	4200	6300	240	62	526.0	34300	81600
	7	3000	4200	6300	214	33	513.0	38000	81600
	10	3000	3230	4840	190	16	409.0	42300	83000
PSF922 2	16	3000	4200	6300	250	17	398.15	48700	81600
	20	3000	4200	6300	250	11	420.22	52000	81600
	25	3000	4200	6300	248	9.5	417.2	55600	81600
	28	3000	4200	6300	250	5.7	367.91	57600	81600
	35	3000	4200	6300	200	5.0	389.01	61500	81600
	40	3000	4200	6300	175	2.8	288.76	64100	81600
	49	3000	3310	4960	143	4.4	399.99	68100	82900
	70	3000	4200	6300	100	2.2	341.17	75800	81600
	100	3000	3230	4840	70	2.0	317.17	83300	83000

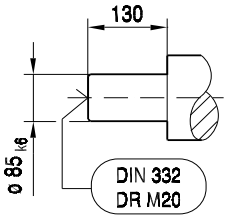
14.17 PS.F 921/922 / CM [mm]

58 020 00 03

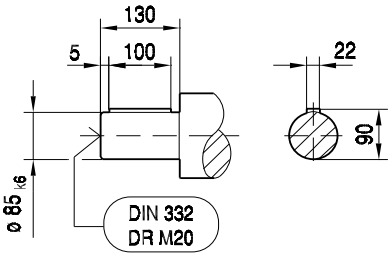
PSF922..



PSF



PSKF



(→ 📖 150)	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H		
AC	142	142	186	186	186	186		
AD	140	140	162	162	162	162		
ADS	140	140	162	162	162	162		
L	767	821	775	802	859	992		
LS	862	916	865	892	949	1057		
LB	302	356	310	337	394	527		
LBS	397	451	400	427	484	592		
XS	50	50	36	36	36	36		

14.18 PSBF 221/222 / CMP / DS [Nm]

M_{aDyn} [Nm]		CMP							DS		
	i	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSBF221 1	5		26	51	76	55	>80	>80	19	38	75
	7		36	71	>85	77	>85		26	53	>85
	10		51						38	>62	
PSBF222 2	20	74	>80	>80	>80				74	>80	>80
	25	>80	>80	>80	>80				>80	>80	>80
	35	>80	>80						>80	>80	
	49	>85	>85						>85	>85	
	70	>85									
	100	>62									

m [kg]		CMP							DS		
	s	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSBF221	1	3.0	3.8	4.7	5.6	6.1	7.6	9.0	3.9	4.9	5.6
PSBF222	2	3.6	4.4	5.3	6.2	6.6	8.2	9.6	4.5	5.5	6.2

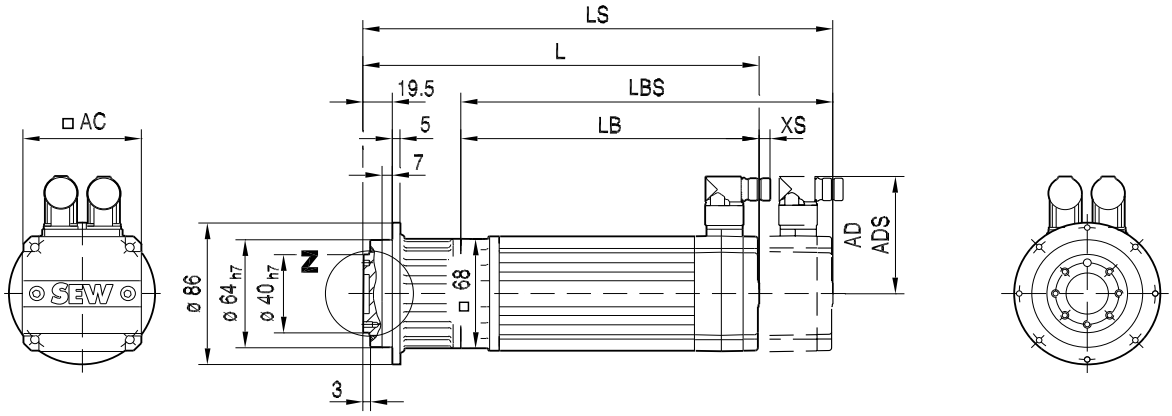
CMP.. / DS..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSBF221 1	5	7500	99	153.00	-0.142	0	179.00	-0.218	0	179.00	-0.264	0	6	3	1
	7	7500	99	169.00	-0.177	0	196.00	-0.260	0	202.00	-0.325	0	6	3	1
	10	7500	99	158.00	-0.197	0	183.00	-0.276	0	201.00	-0.377	0	6	3	1
PSBF222 2	20	8000	98	210.00	-0.591	0	274.00	-1.092	0	287.00	-1.220	0	8	4	2
	25	8000	98	219.00	-0.675	0	281.00	-1.180	0	294.00	-1.312	0	8	4	2
	35	8000	98	245.00	-0.908	0	302.00	-1.441	0	315.00	-1.583	0	8	4	2
	49	8000	98	320.00	-1.613	0	403.00	-2.620	0	415.00	-2.796	0	8	4	2
	70	8000	98	363.00	-2.362	0	432.00	-3.370	0	442.00	-3.550	0	8	4	2
	100	8000	98	461.00	-4.232	0	560.00	-6.162	0	570.00	-6.394	0	8	4	2

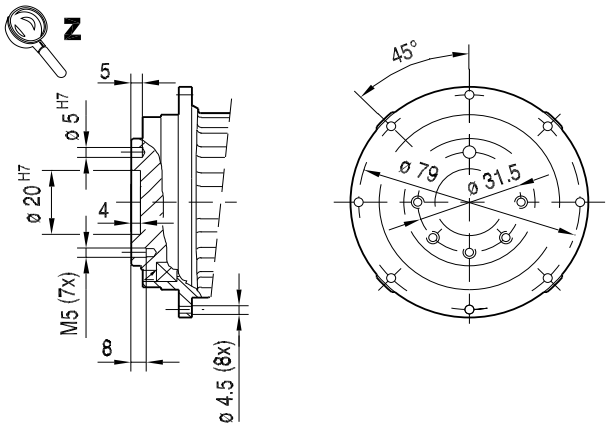
CMP.. / DS..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF221 1	5	55	80	120	520	0.10	16.13	1530	5000
	7	55	85	128	457	0.054	14.0	1720	5000
	10	55	62	93	400	0.026	7.33	1930	5000
PSBF222 2	20	55	80	120	350	0.041	10.0	2430	5000
	25	55	80	120	280	0.027	9.84	2620	5000
	35	55	80	120	200	0.014	8.99	2930	5000
	49	55	85	128	143	0.013	9.1	3280	5000
	70	55	85	128	100	0.006	7.71	3700	5000
	100	55	62	93	70	0.006	5.33	4160	5000

14.19 PSBF 221/222 / CMP / DS [mm]

57 038 00 06

PSBF221..

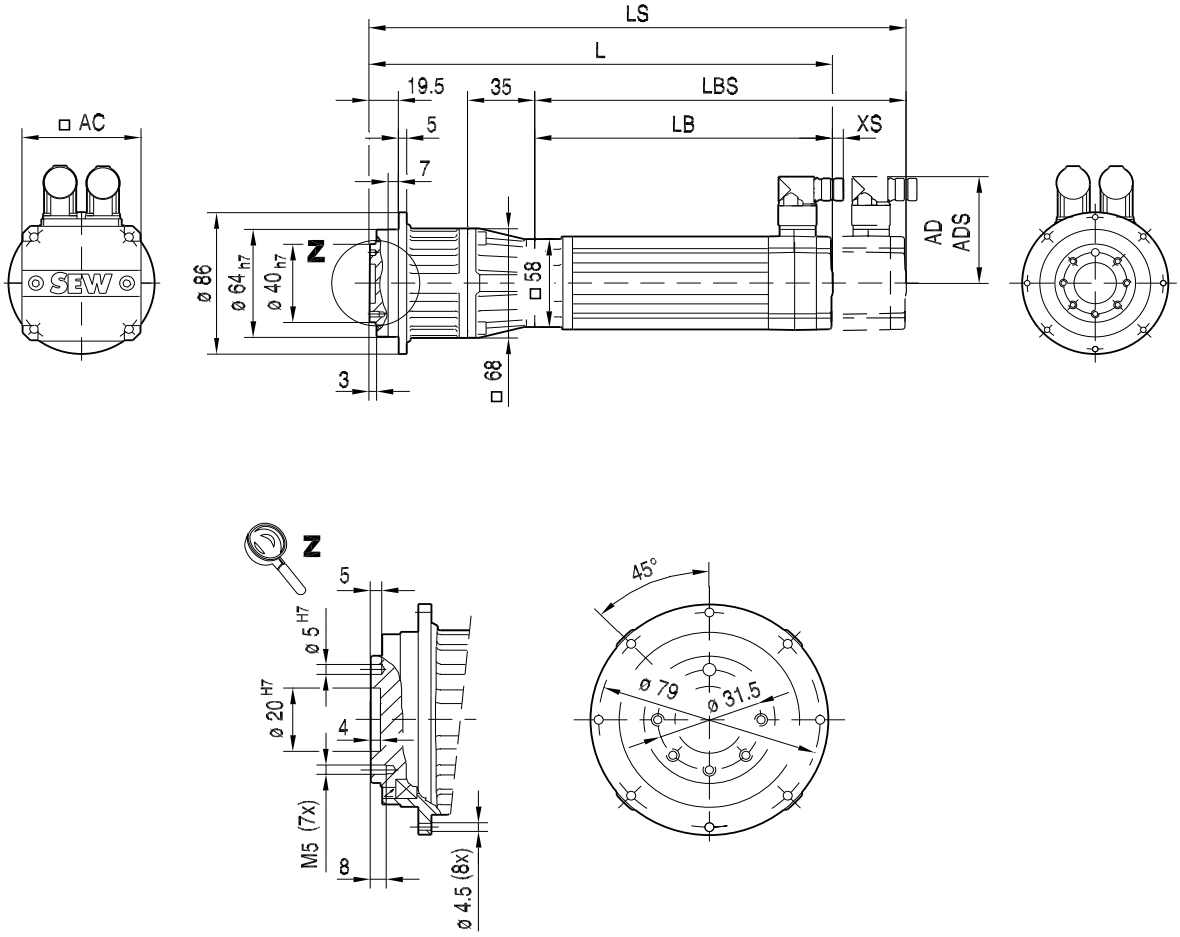




(→ 📖 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	211	250	289	246	296	346		
LS	240	279	318	274	324	374		
LB	151	190	229	186	236	286		
LBS	180	219	258	215	265	314		
XS	18	18	18	14	14	14		

57 039 00 06

PSBF222..

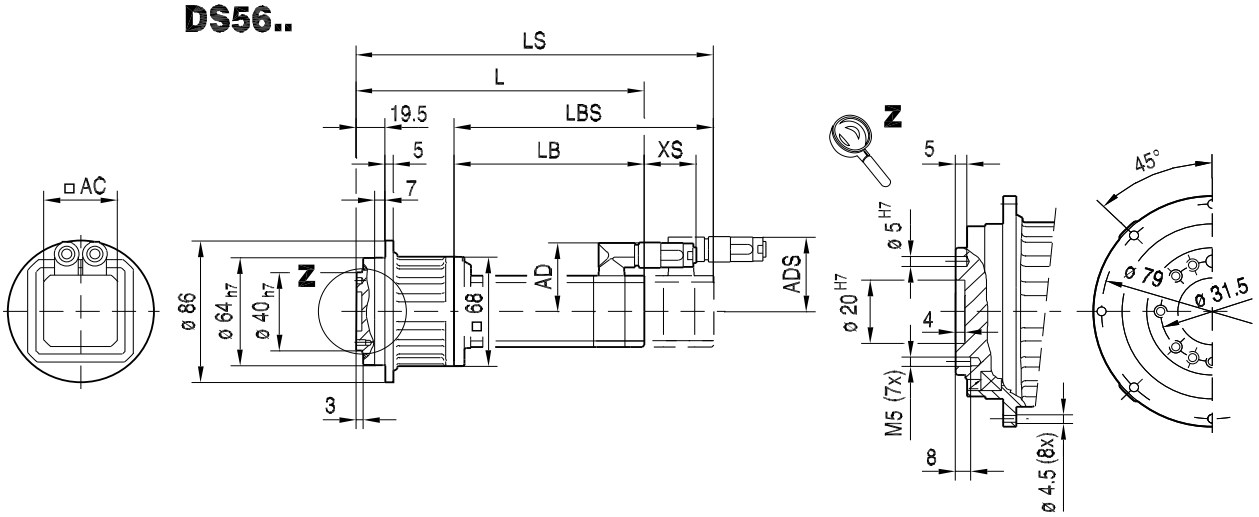


(→ 150)	CMP40M	CMP50S	CMP50M	CMP50L				
AC	57	73	73	73				
AD	75	82	82	82				
ADS	75	82	82	82				
L	250	252	291	330				
LS	280	281	320	359				
LB	156	157	196	235				
LBS	186	186	225	264				
XS	19	18	18	18				

58 039 00 03

PSBF221..

DS56..

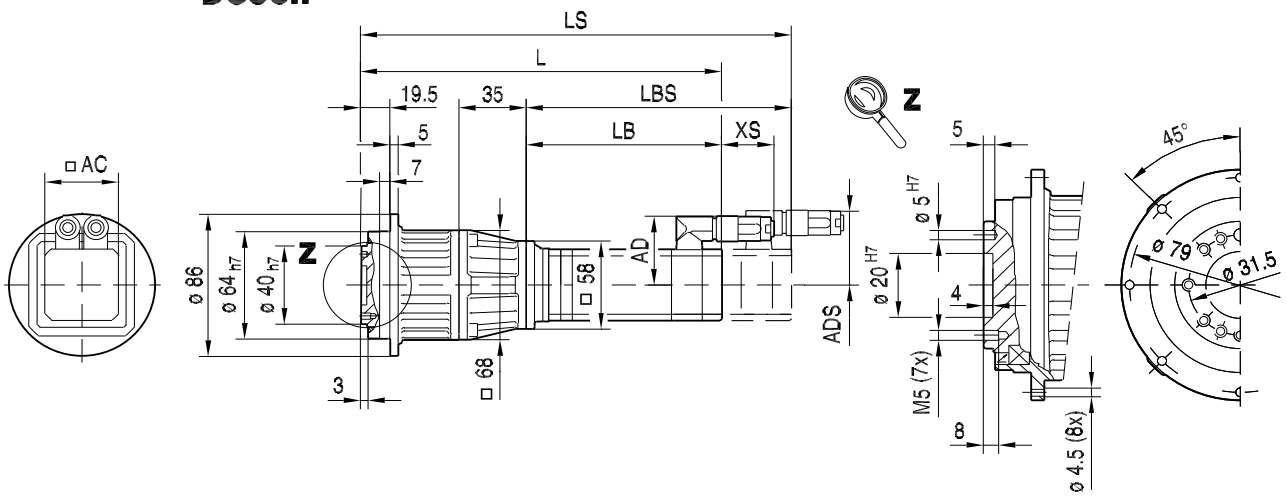


(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	204	236	339					
LS	234	266	339					
LB	144	176	279					
LBS	174	206	279					
XS	70	70	51					

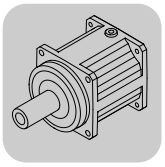
58 040 00 03

PSBF222..

DS56..



(→ 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	245	277	380					
LS	275	307	380					
LB	150	182	285					
LBS	180	212	285					
XS	70	70	51					



14.20 PSBF 321/322 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP						DS			CM		
	i	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSBF321 1	5	26	51	76	55	106	150	19	38	75	82	106	155
	7	36	71	107	77	148	>168	26	53	105	114	149	>168
	10	51	102	>121	110			38	75	>121	>121		
PSBF322 2	15	76	151	>169	163	>169	>169	56	112	>169			
	20	102	>169	>169	>169	>169	>169	74	149	>169			
	25	127	>169	>169	>169	>169	>169	93	>169	>169			
	35	>169	>169	>169	>169	>169		130	>169	>169			
	49	>168	>168	>168	>168	>168		>168	>168	>168			
	70	>168						>168	>168				
	100	>121						>121	>121				

m [kg]		CMP						DS			CM		
	s	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSBF321	1	6.7	7.6	8.5	8.0	9.5	11	5.9	6.9	7.6	13	16	18
PSBF322	2	8.2	9.1	10.0	9.5	11	12	7.4	8.4	9.1	15	17	19

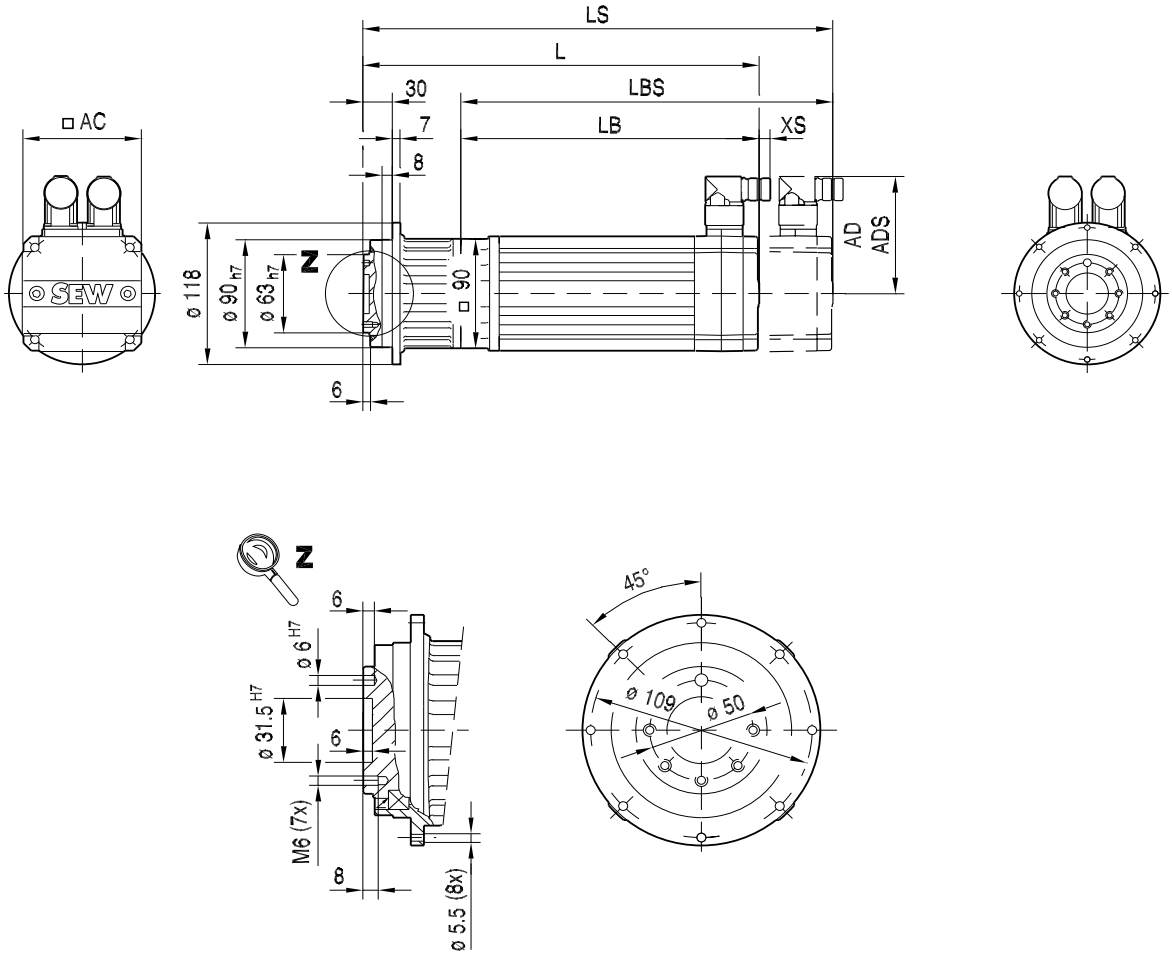
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSBF321 1	5	7000	99	290.00	-0.355	0	328.00	-0.501	0	414.00	-0.930	0	6	3	1
	7	7000	99	296.00	-0.418	0	335.00	-0.581	0	422.00	-1.036	0	6	3	1
	10	7000	99	269.00	-0.477	0	302.00	-0.617	0	374.00	-1.016	0	6	3	1
PSBF322 2	15	7500	98	365.00	-1.076	0	452.00	-1.831	0	517.00	-2.590	0	8	4	2
	20	7500	98	366.00	-0.987	0	479.00	-1.946	0	508.00	-2.259	0	8	4	2
	25	7500	98	372.00	-1.053	0	522.00	-2.195	0	512.00	-2.336	0	8	4	2
	35	7500	98	396.00	-1.263	0	505.00	-2.272	0	534.00	-2.609	0	8	4	2
	49	7500	98	467.00	-1.995	0	616.00	-3.752	0	641.00	-4.128	0	8	4	2
	70	7500	98	502.00	-2.580	0	633.00	-4.341	0	657.00	-4.724	0	8	4	2
	100	7500	98	577.00	-4.137	0	756.00	-7.260	0	776.00	-7.704	0	8	4	2

CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF321 1	5	110	169	250	460	0.51	38.6	8580	25000
	7	110	168	250	400	0.27	28.6	9500	25000
	10	110	121	182	360	0.13	14.1	10600	25000
PSBF322 2	15	110	169	250	453	0.26	20.02	11900	25000
	20	110	169	250	350	0.14	21.01	13000	25000
	25	110	169	250	280	0.088	20.9	13900	25000
	35	110	169	250	200	0.047	19.9	15400	25000
	49	110	168	250	143	0.042	18.47	17000	25000
	70	110	168	250	100	0.020	15.85	18900	25000
	100	110	121	182	70	0.019	10.55	21100	25000

14.21 PSBF 321/322 / CMP / DS / CM [mm]

57 040 00 06

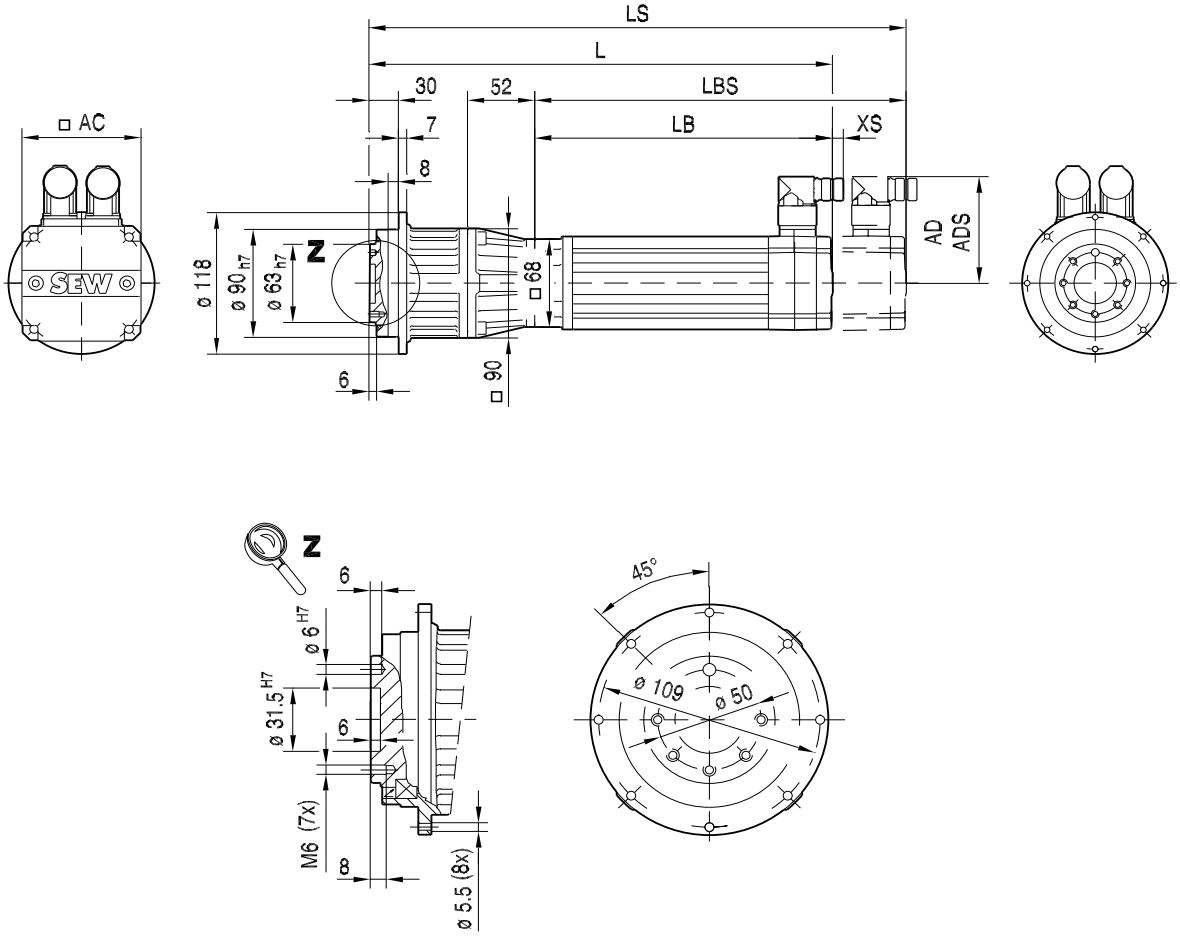
PSBF321..



(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	229	268	307	264	314	364		
LS	258	297	336	293	343	393		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

57 041 00 06

PSBF322..

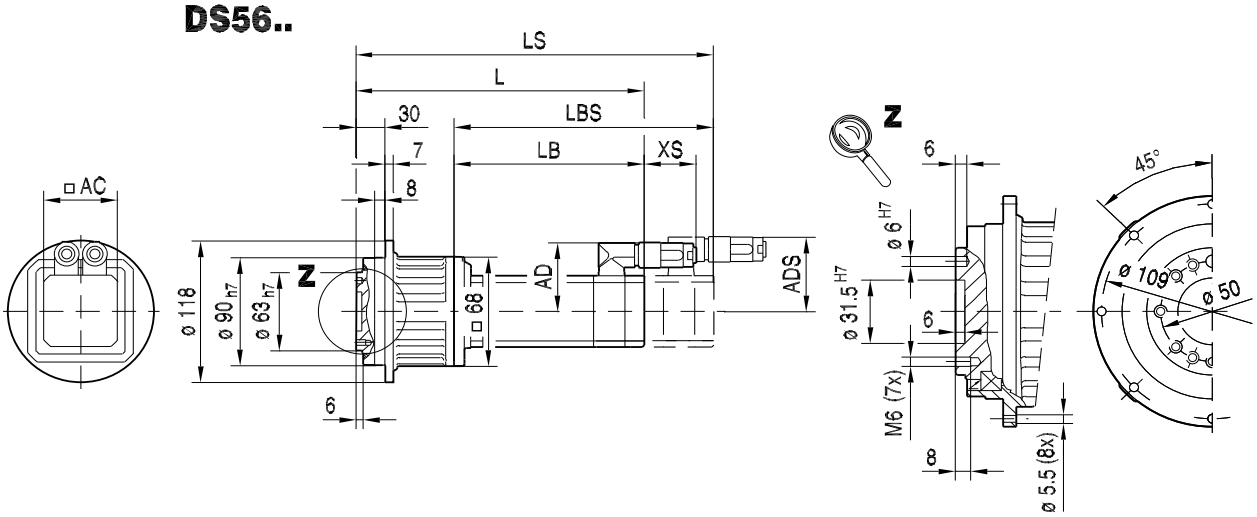


(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	286	325	364	321	371	421		
LS	315	354	393	350	400	449		
LB	151	190	229	186	236	286		
LBS	180	219	258	215	265	314		
XS	18	18	18	14	14	14		

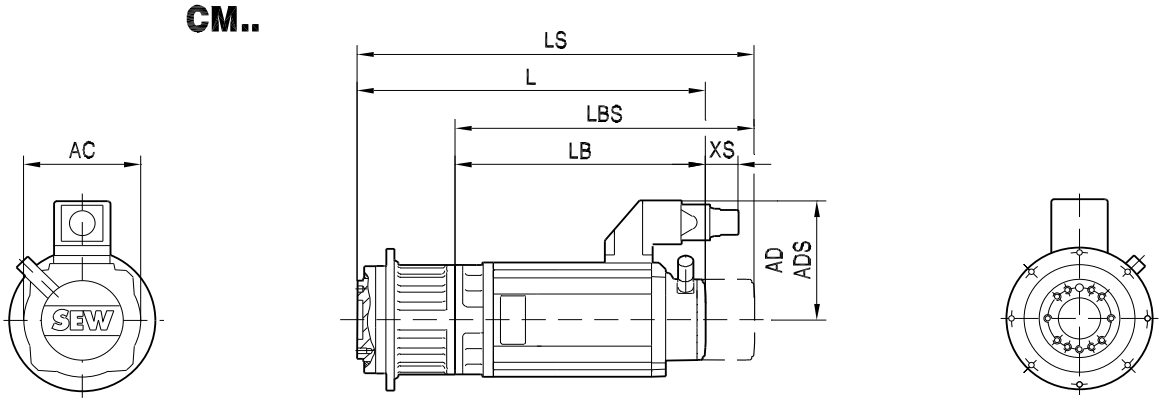
58 041 00 03

PSBF321..

DS56..



CM..

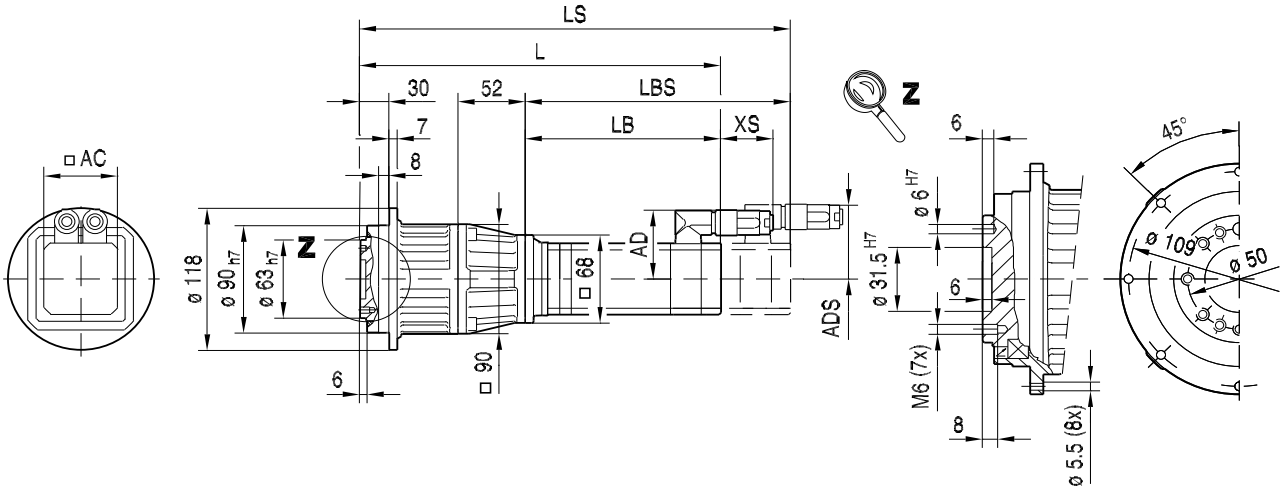


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	222	254	357	323	343	383		
LS	252	284	357	405	425	465		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		

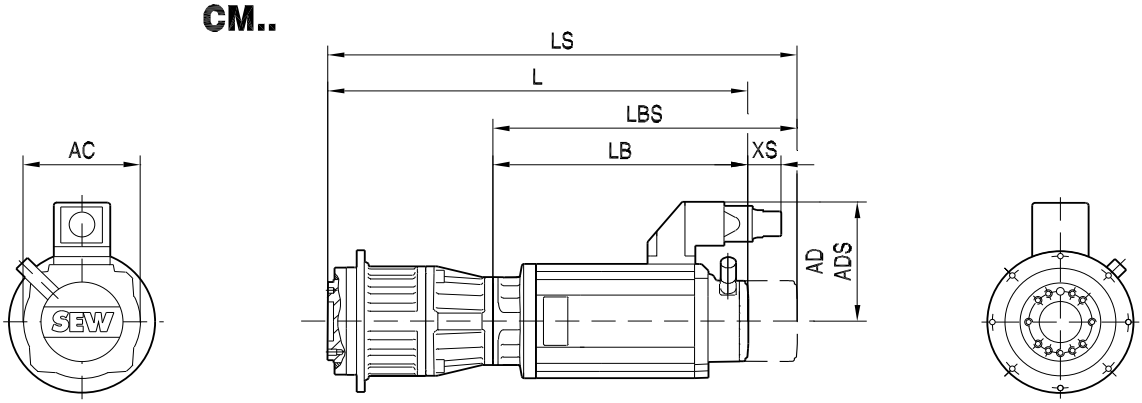
58 042 00 03

PSBF322..

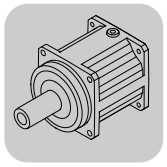
DS56..



CM..



(→ 📖 150)	DS56M	DS56L	DS56H					
AC	73	73	73					
AD	71	71	77					
ADS	77	77	77					
L	279	311	414					
LS	309	341	414					
LB	144	176	279					
LBS	174	206	279					
XS	70	70	51					



14.22 PSBF 521/522 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP						DS			CM					
	i	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L	90S	90M	90L
PSBF521 1	5		51	76	55	106	150			75	82	106	155	196	258	374
	7		71	107	77	148	211			105	114	149	218	274	>360	>360
	10		102	152	110	212	>270			150	163	213	>270	>270		
PSBF522 2	15		151	226	163	315	>375			223	243	316	>375			
	20	102	202	302	218	>375	>375	74	149	298	323	>375	>375			
	25	127	252	>375	272	>375	>375	93	186	372	>375	>375	>375			
	35	178	353	>375	>375	>375	>375	130	261	>375	>375	>375	>375			
	49	250	>360	>360	>360	>360	>360	182	>360	>360	>360	>360	>360			
	70	357	>360	>360	>360			261	>360	>360	>360					
	100	>270	>270	>270	>270			>270	>270	>270	>270					

m [kg]		CMP						DS			CM					
	s	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L	90S	90M	90L
PSBF521	1	8.8	9.7	11	10	12	13	8.0	9.0	9.9	16	18	20	26	29	34
PSBF522	2	12	12	13	13	15	16	11	12	13	18	21	23	29	31	36

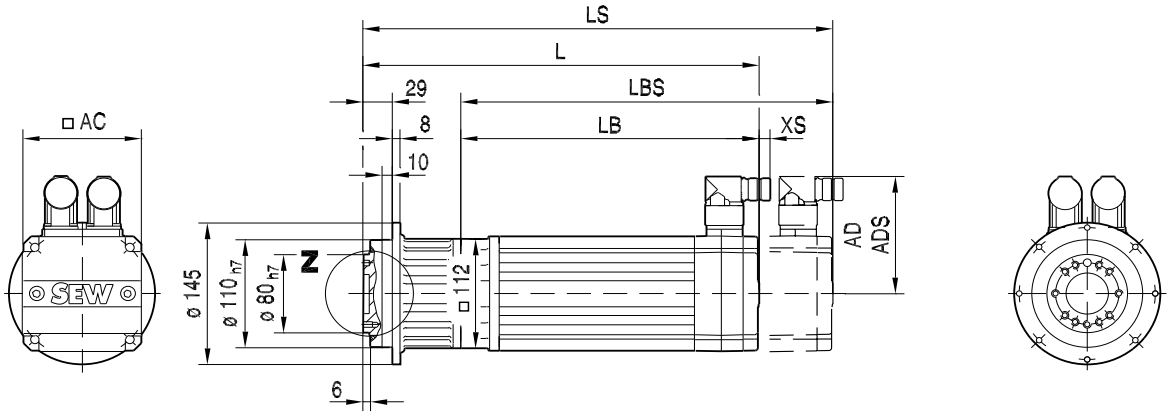
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSBF521 1	5	6000	99	633.00	-0.860	0	747.00	-1.345	0	964.00	-2.554	0	6	3	1
	7	6000	99	670.00	-1.029	0	805.00	-1.596	0	1024.0	-2.855	0	6	3	1
	10	6000	99	651.00	-1.253	0	752.00	-1.709	0	937.00	-2.831	0	6	3	1
PSBF522 2	15	7000	98	735.00	-2.616	0	885.00	-4.256	0	989.00	-5.851	0	8	4	2
	20	7000	98	751.00	-2.385	0	981.00	-4.855	0	1107.0	-6.734	0	8	4	2
	25	7000	98	781.00	-2.642	0	1012.0	-5.183	0	1142.0	-7.143	0	8	4	2
	35	7000	98	870.00	-3.860	0	1027.0	-5.742	0	1150.0	-7.701	0	8	4	2
	49	7000	98	1064.0	-6.079	0	1323.0	-9.798	0	1445.0	-12.110	0	8	4	2
	70	7000	98	1122.0	-7.805	0	1331.0	-11.307	0	1424.0	-13.427	0	8	4	2
	100	7000	98	1077.0	-6.893	0	1467.0	-13.340	0	1576.0	-15.732	0	8	4	2

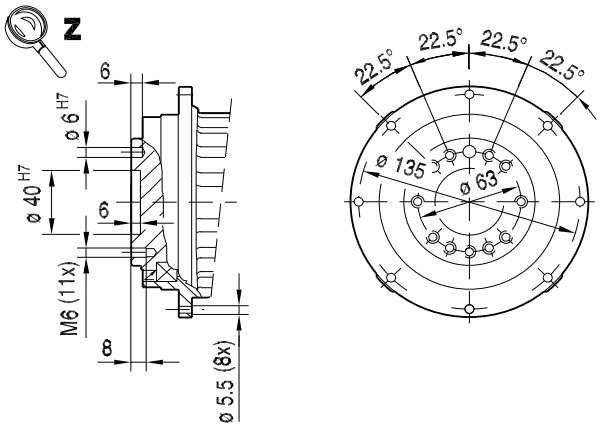
CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF521 1	5	300	375	560	420	1.3	117.6	13900	40000
	7	300	360	540	371	0.68	71.5	15400	40000
	10	270	270	405	480	0.34	37.3	17200	40000
PSBF522 2	15	300	375	560	407	0.75	58.44	19400	40000
	20	300	375	560	350	0.37	58.47	21100	40000
	25	300	375	560	280	0.24	57.68	22600	40000
	35	300	375	560	200	0.13	51.91	25000	40000
	49	300	360	540	143	0.12	44.82	27600	40000
	70	300	360	540	100	0.057	36.68	30800	40000
	100	270	270	405	70	0.054	26.56	34200	40000

14.23 PSBF 521/522 / CMP / DS / CM [mm]

57 042 00 06

PSBF521..

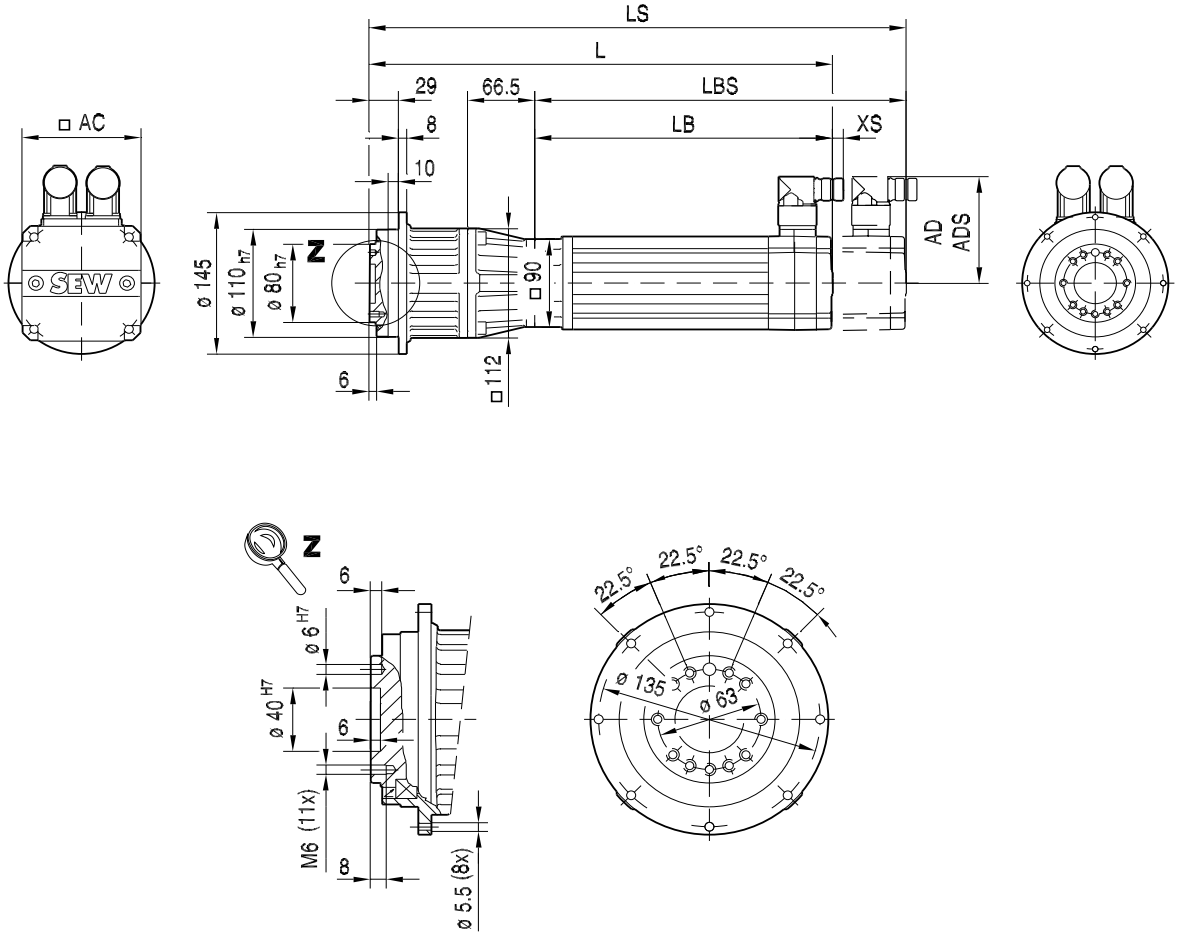




(→ 📖 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	279	318	275	325	375			
LS	308	347	303	353	403			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

57 043 00 06

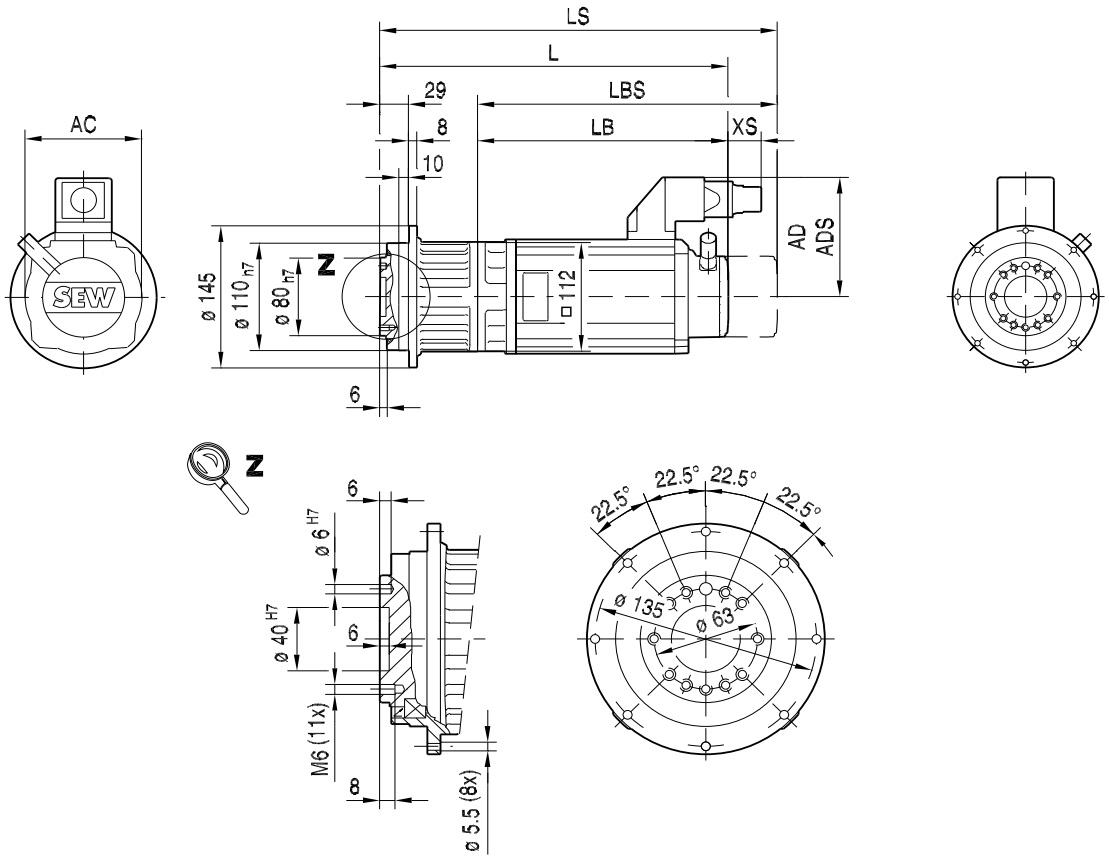
PSBF522..



(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L		
AC	73	73	73	88	88	88		
AD	82	82	82	89	89	89		
ADS	82	82	82	89	89	89		
L	311	350	389	346	396	446		
LS	340	379	418	375	425	475		
LB	146	185	224	181	231	281		
LBS	175	214	253	210	260	310		
XS	18	18	18	14	14	14		

58 045 00 03

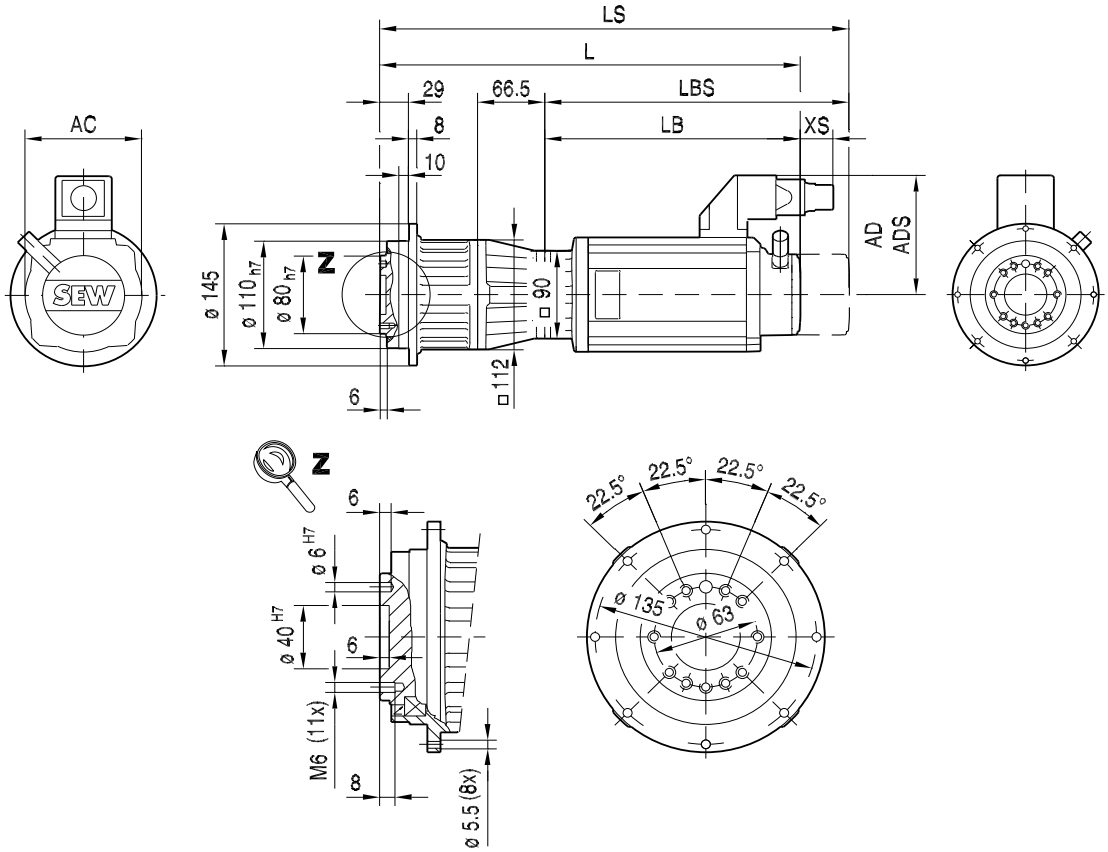
PSBF521..



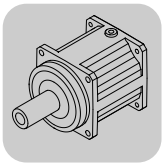
(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	367	333	353	393	385	412	466	
LS	367	415	435	475	480	507	561	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	

58 046 00 03

PSBF522..



(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L		
AC	73	73	73	117	117	117		
AD	71	71	77	122	122	122		
ADS	77	77	77	122	122	122		
L	304	336	439	405	425	465		
LS	334	366	439	487	507	547		
LB	139	171	274	240	260	300		
LBS	169	201	274	322	342	382		
XS	70	70	51	45	45	45		



14.24 PSBF 621/622 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP					DS	CM									
	i	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF621 1	5					150				155	196	258	374	407	537	>700	>700
	7					211				218	274	362	524	570	>660		
	10					301		163	213	311	392	>500	>500				
PSBF622 2	20				419	596			421	615	>700	>700	>700				
	25	252	377	272	524	>700	372	404	527	>700	>700	>700	>700				
	35	353	528	381	>700	>700	521	566	>700	>700	>700	>700	>700				
	49	495	>660	533	>660	>660	>660	>660	>660	>660	>660	>660	>660				
	70	>660	>660	>660	>660	>660	>660	>660	>660	>660	>660						
	100	>500	>500	>500	>500	>500	>500	>500	>500	>500	>500						

m [kg]		CMP					DS	CM									
	s	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF621	1	14	15	15	16	18	14	20	22	25	31	33	38	41	45	61	68
PSBF622	2	19	20	20	22	24	20	26	27	31	36	39	44	46	51	66	73

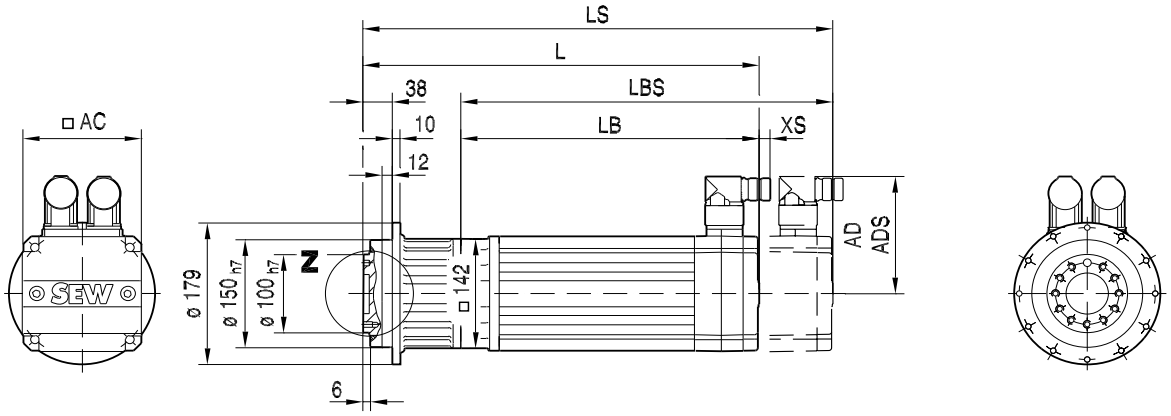
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSBF621 1	5	6000	99	1176.0	-1.751	0	1402.0	-2.761	0	1836.0	-5.516	0	4	2	1
	7	6000	99	1290.0	-2.268	0	1505.0	-3.257	0	1948.0	-6.140	0	4	2	1
	10	6000	99	1059.0	-1.739	0	1306.0	-2.710	0	1764.0	-5.445	0	4	2	1
PSBF622 2	20	6000	98	1530.0	-7.334	0	1859.0	-12.068	0	2106.0	-16.961	0	6	3	1
	25	6000	98	1562.0	-7.844	0	1890.0	-12.609	0	2148.0	-17.712	0	6	3	1
	35	6000	98	1662.0	-9.338	0	1987.0	-14.315	0	2266.0	-19.903	0	6	3	1
	49	6000	98	2051.0	-14.837	0	2556.0	-24.533	0	2744.0	-29.980	0	6	3	1
	70	6000	98	1951.0	-13.437	0	2459.0	-22.865	0	2639.0	-28.039	0	6	3	1
	100	6000	98	2327.0	-21.522	0	3156.0	-40.509	0	3278.0	-45.862	0	6	3	1

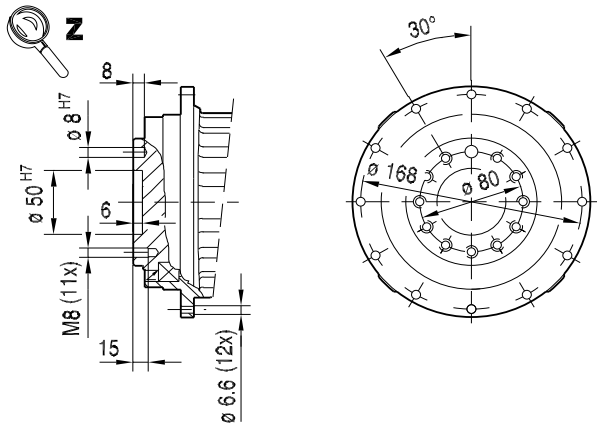
CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF621 1	5	600	700	1050	280	4.3	288.0	20800	60000
	7	600	660	990	243	2.2	183.0	23000	60000
	10	500	500	750	420	1.1	85.0	25500	60000
PSBF622 2	20	600	700	1050	230	1.4	160.91	31500	60000
	25	600	700	1050	228	0.94	156.15	33600	60000
	35	600	700	1050	200	0.49	132.65	37200	60000
	49	600	660	990	143	0.45	115.07	41200	60000
	70	600	660	990	100	0.22	95.28	45800	60000
	100	500	500	750	70	0.21	62.73	51000	60000

14.25 PSBF 621/622 / CMP / DS / CM [mm]

57 044 00 06

PSBF621..

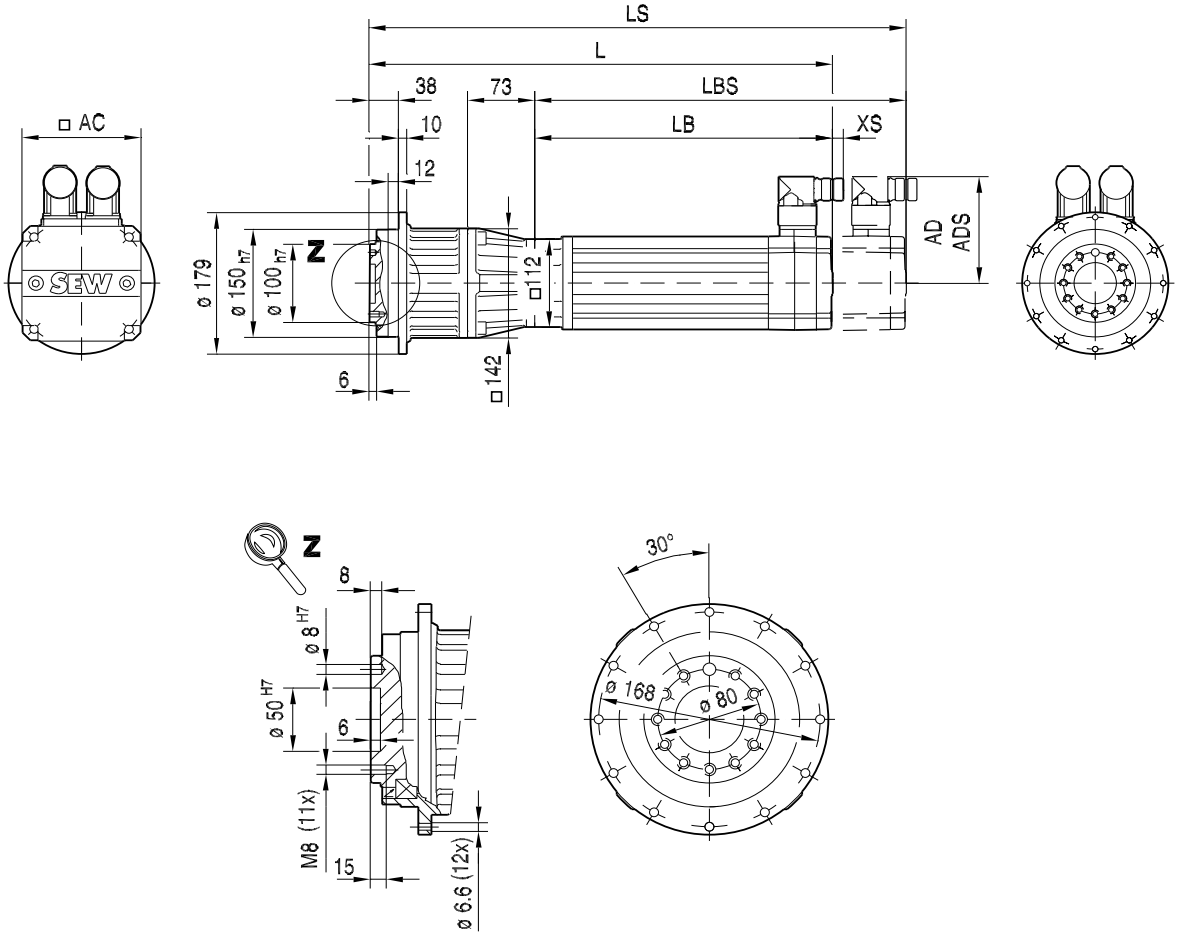




(→ 150)	CMP63L							
AC	88							
AD	89							
ADS	89							
L	387							
LS	416							
LB	268							
LBS	297							
XS	14							

57 045 00 06

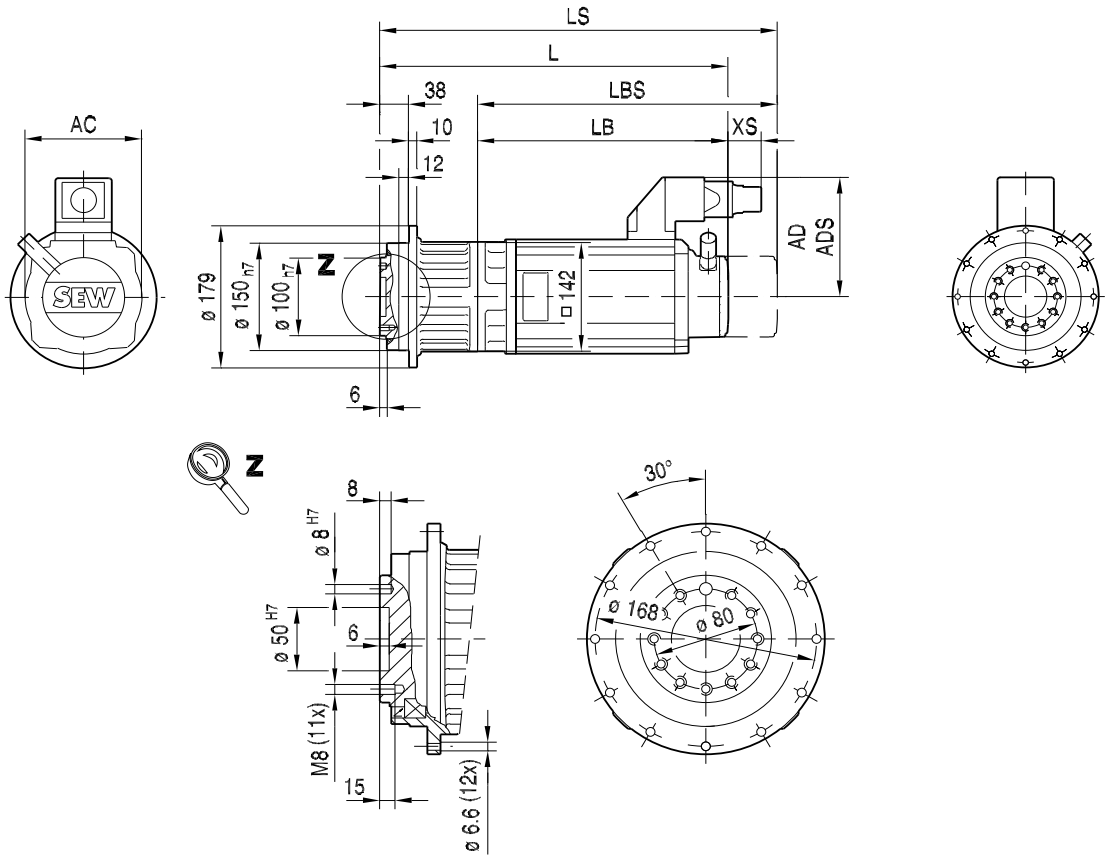
PSBF622..



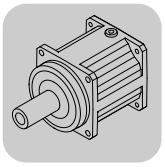
(→ 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	372	411	368	418	468			
LS	401	440	397	447	497			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

58 047 00 03

PSBF621..

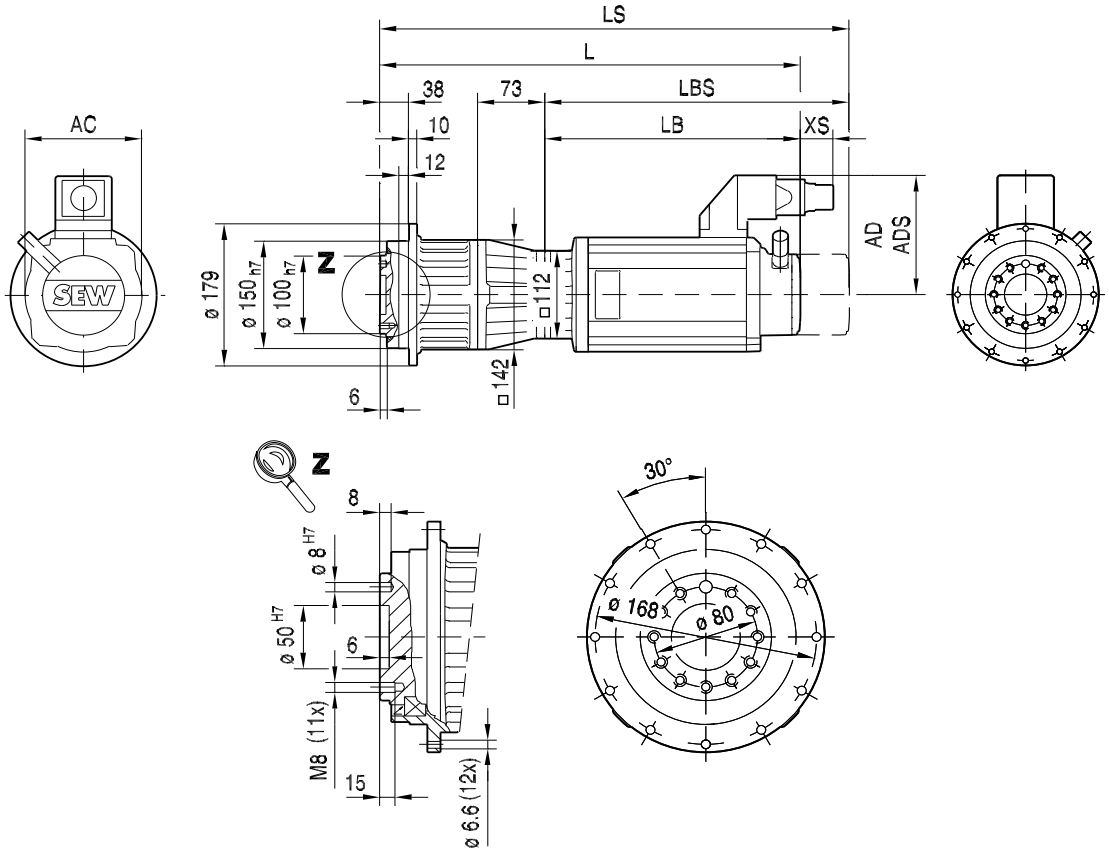


(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H
AC	117	117	117	142	142	142	186	186	186	186
AD	122	122	122	140	140	140	162	162	162	162
ADS	122	122	122	140	140	140	162	162	162	162
L	346	366	406	398	425	479	433	460	517	642
LS	428	448	488	493	520	574	523	550	607	707
LB	227	247	287	279	306	360	314	341	398	523
LBS	309	329	369	374	401	455	404	431	488	588
XS	45	45	45	50	50	50	36	36	36	36

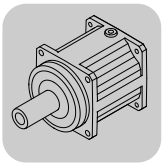


58 048 00 03

PSBF622..



(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	461	427	447	487	479	506	560	
LS	461	509	529	569	574	601	655	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	



14.26 PSBF 721/722 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP					DS	CM									
	i	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF721 1	5													407	537	780	1178
	7											362	524	570	752	1091	>1380
	10											517	748	815	>1050		
PSBF722 2	20				419	596			421	615	776	1023	1482				
	25	252	377	272	524	745	372	404	527	769	970	1279	>1540				
	35	353	528	381	734	1043	521	566	737	1077	1358	>1540	>1540				
	49	495	740	533	1028	>1380	730	792	1032	>1380	>1380	>1380	>1380				
	70	707	1056	761	>1380	>1380	1043	1132	>1380	>1380	>1380						
	100	1009	>1050	>1050	>1050	>1050	>1050	>1050	>1050	>1050	>1050						

m [kg]		CMP					DS	CM									
	s	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF721	1	29	30	31	32	34	30	36	37	40	46	50	55	57	62	77	84
PSBF722	2	36	37	37	39	40	37	42	44	47	53	57	62	64	68	84	91

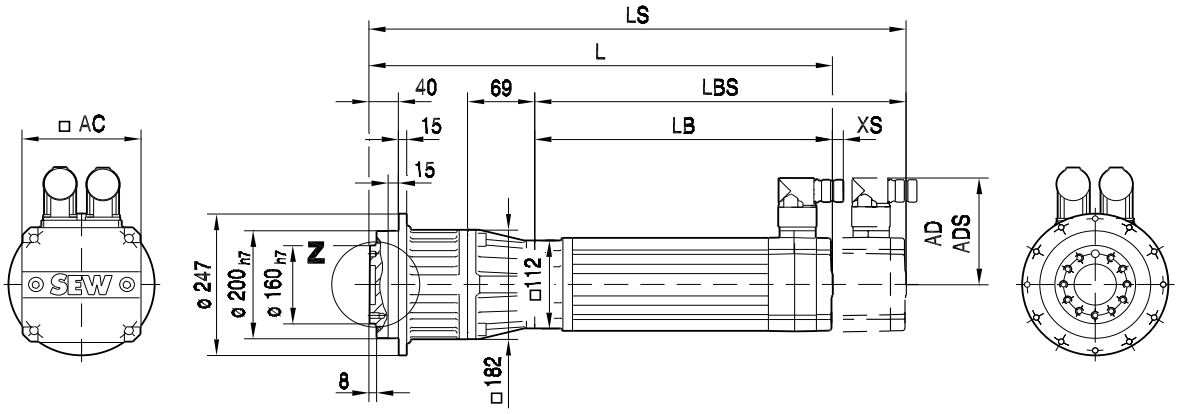
CMP.. / DS.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2		/R	/M
													[']	[']	[']
PSBF721 1	5	4500	99	2309.0	-3.570	0	2746.0	-5.951	0	3503.0	-11.878	0	4	2	1
	7	4500	99	2377.0	-4.171	0	2811.0	-6.427	0	3629.0	-12.643	0	4	2	1
	10	4500	99	2233.0	-4.553	0	2602.0	-6.455	0	3361.0	-12.221	0	4	2	1
PSBF722 2	20	6000	98	2400.0	-8.185	0	2857.0	-14.191	0	3065.0	-17.745	0	6	3	1
	25	6000	98	2434.0	-8.643	0	2887.0	-14.651	0	3098.0	-18.278	0	6	3	1
	35	6000	98	2550.0	-10.050	0	3009.0	-16.379	0	3216.0	-20.048	0	6	3	1
	49	6000	98	2915.0	-14.944	0	3640.0	-26.147	0	3839.0	-30.340	0	6	3	1
	70	6000	98	3051.0	-18.629	0	3669.0	-29.409	0	3842.0	-33.476	0	6	3	1
	100	6000	98	3522.0	-29.556	0	4490.0	-49.846	0	4683.0	-54.900	0	6	3	1

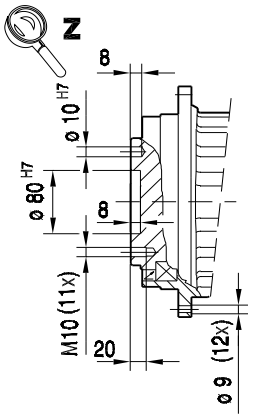
CMP.. / DS.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF721 1	5	1000	1540	2310	1400	8.6	538.0	33500	120000
	7	1000	1380	2070	1000	4.5	398.0	37100	120000
	10	1000	1050	1570	700	2.2	197.0	41300	120000
PSBF722 2	20	1000	1540	2310	350	1.3	245.0	50800	120000
	25	1000	1540	2310	280	1.1	243.0	54400	120000
	35	1000	1540	2310	200	0.58	218.0	60100	120000
	49	1000	1380	2070	143	0.50	201.0	66500	120000
	70	1000	1380	2070	100	0.25	156.0	74000	120000
	100	1000	1050	1570	70	0.22	123.0	82400	120000

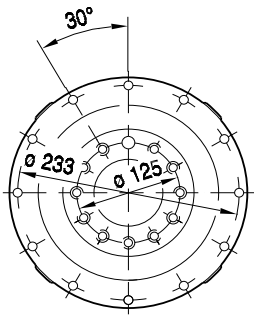
14.27 PSBF 721/722 / CMP / DS / CM [mm]

57 076 00 07

PSBF722..



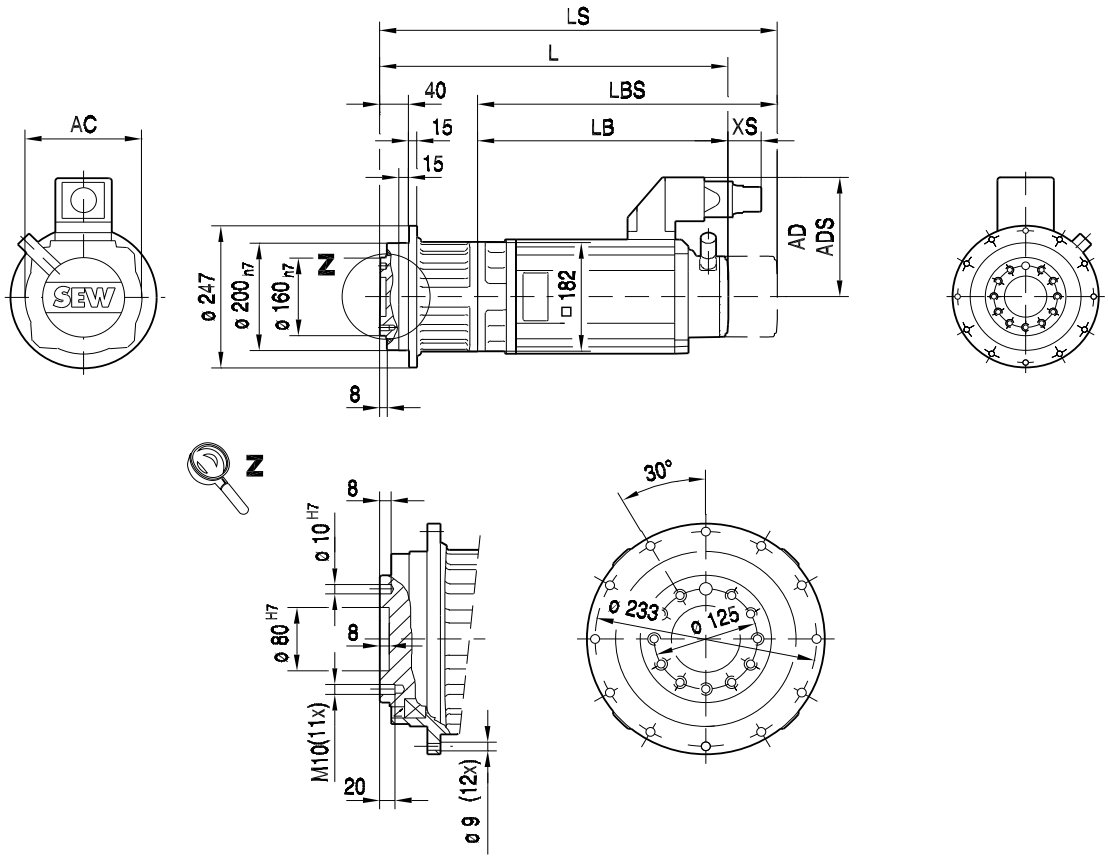




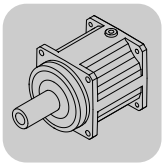
(→ 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L			
AC	73	73	88	88	88			
AD	82	82	89	89	89			
ADS	82	82	89	89	89			
L	394	433	390	440	490			
LS	423	462	419	469	519			
LB	180	219	176	226	276			
LBS	209	248	205	255	305			
XS	18	18	14	14	14			

57 071 00 07

PSBF721..

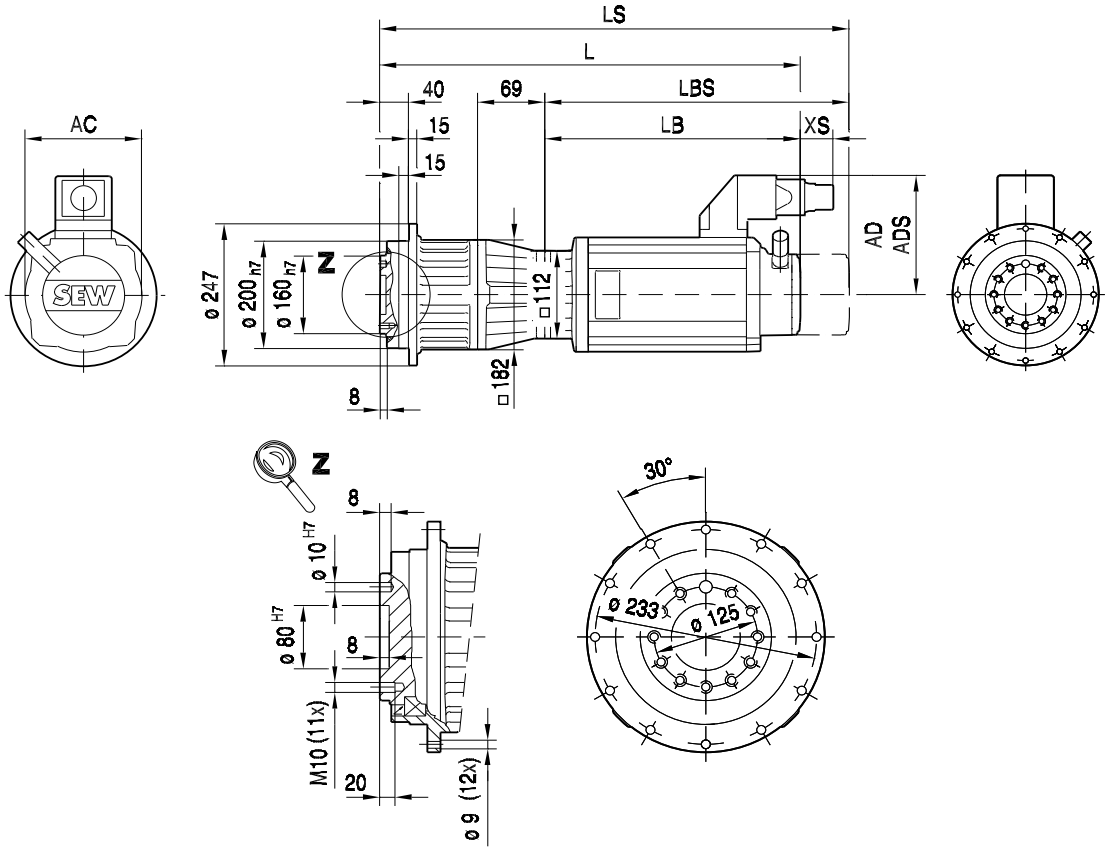


(→ 📖 150)	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H		
AC	142	142	186	186	186	186		
AD	140	140	162	162	162	162		
ADS	140	140	162	162	162	162		
L	447	501	455	482	539	672		
LS	542	596	545	572	629	737		
LB	302	356	310	337	394	527		
LBS	397	451	400	427	484	592		
XS	50	50	36	36	36	36		



57 072 00 07

PSBF722..



(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	
AC	73	117	117	117	142	142	142	
AD	77	122	122	122	140	140	140	
ADS	77	122	122	122	140	140	140	
L	483	449	469	509	501	528	582	
LS	483	531	551	591	596	623	677	
LB	269	235	255	295	287	314	368	
LBS	269	317	337	377	382	409	463	
XS	51	45	45	45	50	50	50	

14.28 PSBF 821/822 / CMP / CM [Nm]

M_{aDyn} [Nm]		CMP	CM									
	i	63L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF821 1	5											
	7											
	10											
PSBF822 2	20						1023	1482	1613	2127	>2500	>2500
	25	745			769	970	1279	1852	2016	>2500	>2500	>2500
	35	1043			1077	1358	1790	>2500	>2500	>2500		
	49	1460			1508	1902	2507	>2740	>2740	>2740		
	70	2085	1132	1475	2154	2717	>2740	>2740				
	100	>2060	1617	>2060	>2060	>2060	>2060	>2060				

m [kg]		CMP	CM									
	s	63L	71S	71M	71L	90S	90M	90L	112S	112M	112L	112H
PSBF821	1	42	44	45	48	54	56	62	64	68	84	91
PSBF822	2	55	57	59	62	68	70	75	78	82	98	105

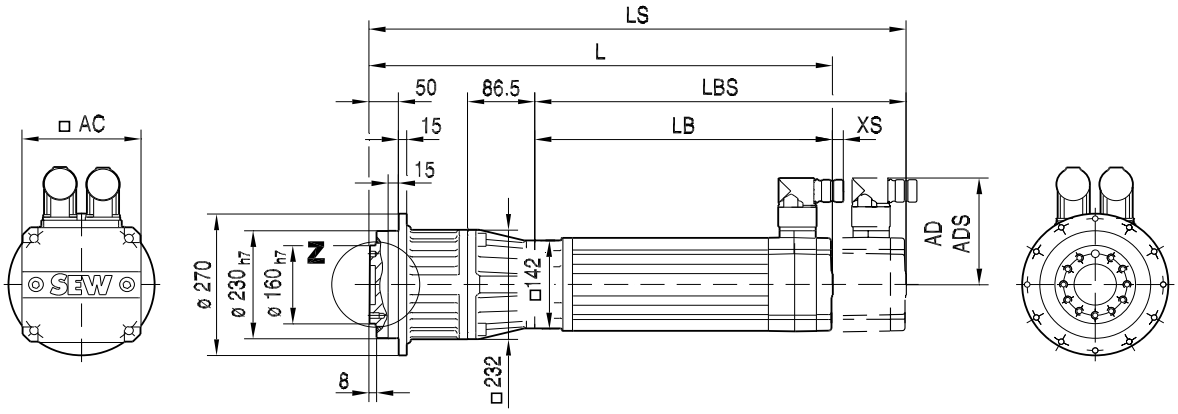
CMP.. / CM..				M1;M3;M5-6			M2			M4			φ		
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']	/R [']	/M [']
PSBF821 1	5	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	7	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
	10	4500	99	0	0	0	0	0	0	0	0	0	4	2	1
PSBF822 2	20	6000	98	4406.0	-24.058	0	5007.0	-34.125	0	6113.0	-58.782	0	6	3	1
	25	6000	98	4478.0	-25.333	0	5074.0	-35.377	0	6180.0	-60.325	0	6	3	1
	35	6000	98	4703.0	-28.994	0	5302.0	-39.407	0	6432.0	-65.521	0	6	3	1
	49	6000	98	5602.0	-42.367	0	6553.0	-62.572	0	7505.0	-89.863	0	6	3	1
	70	6000	98	5901.0	-52.384	0	6737.0	-71.810	0	7681.0	-100.25	0	6	3	1
	100	6000	98	6600.0	-77.444	0	7873.0	-113.80	0	8521.0	-140.65	0	6	3	1

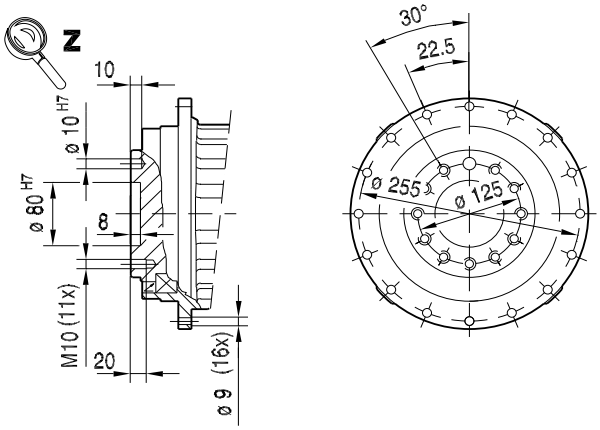
CMP.. / CM..							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSBF [Nm/']	PSBF [N]	PSBF [N]
PSBF821 1	5	1750	2500	3750	280	47	1213.0	58500	180000
	7	1750	2740	4110	243	25	913.0	64800	180000
	10	1750	2060	3090	230	12	533.0	72100	180000
PSBF822 2	20	1750	2500	3750	265	6.8	635.98	88700	180000
	25	1750	2500	3750	268	4.4	604.81	94900	180000
	35	1750	2500	3750	200	2.3	489.6	104900	180000
	49	1750	2740	4110	143	1.8	514.29	116100	180000
	70	1750	2740	4110	100	0.91	354.22	129200	180000
	100	1750	2060	3090	70	0.78	315.07	143800	180000

14.29 PSBF 821/822 / CMP / CM [mm]

57 051 00 06

PSBF822..

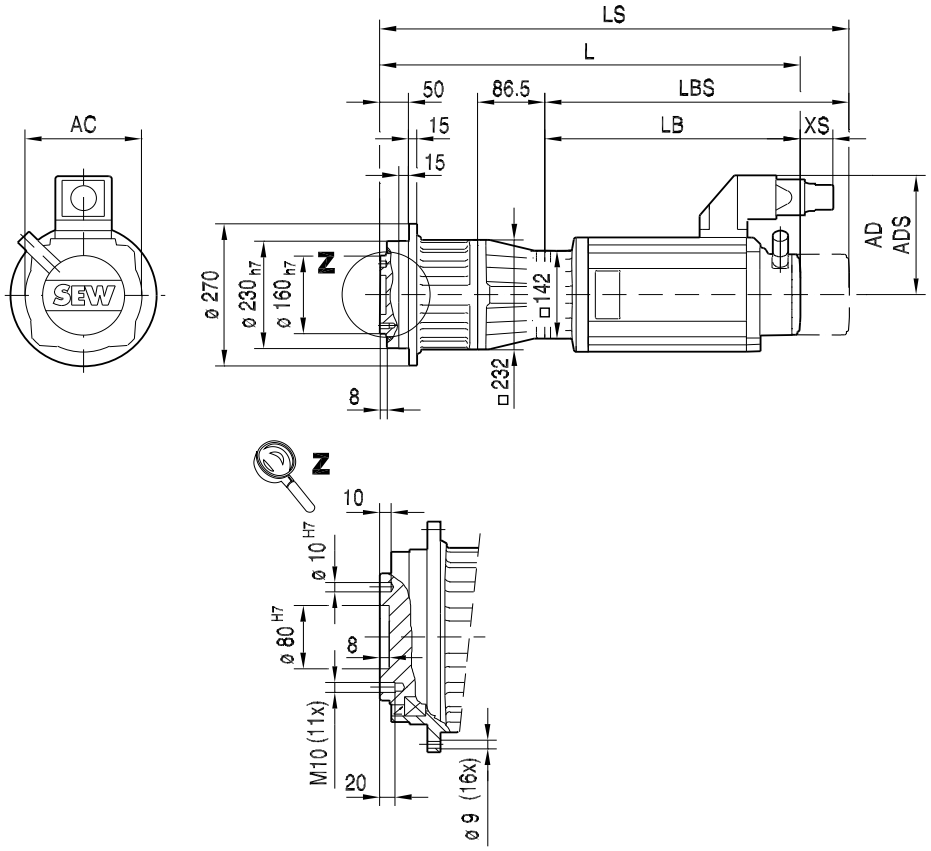




(→ 150)	CMP63L							
AC	88							
AD	89							
ADS	89							
L	521							
LS	549							
LB	268							
LBS	297							
XS	14							

58 050 00 03

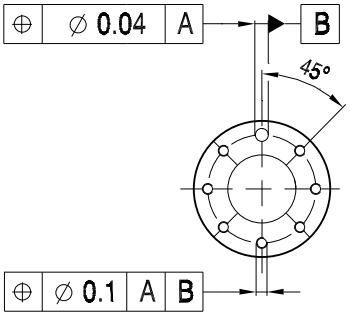
PSBF822..

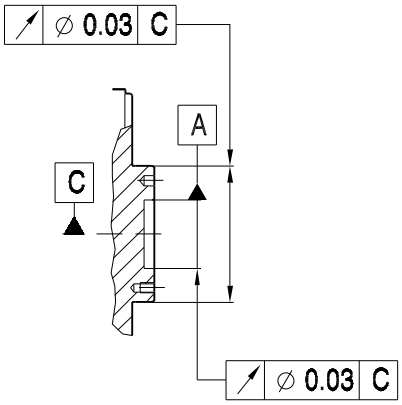


(→ 📖 150)	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H
AC	117	117	117	142	142	142	186	186	186	186
AD	122	122	122	140	140	140	162	162	162	162
ADS	122	122	122	140	140	140	162	162	162	162
L	479	499	539	531	558	612	566	593	650	776
LS	561	581	621	626	653	707	656	683	740	841
LB	227	247	287	279	306	360	314	341	398	523
LBS	309	329	369	374	401	455	404	431	488	588
XS	45	45	45	50	50	50	36	36	36	36

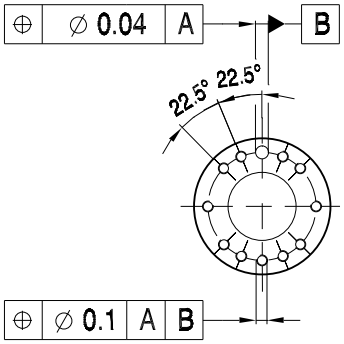
14.30 PSBF [mm]

55 035 01 03

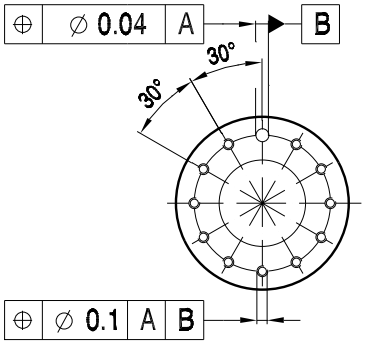




BSBF202 PSBF221/222
BSBF302 PSBF321/322

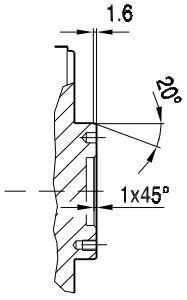


BSBF402 PSBF421/422
BSBF502 PSBF521/522



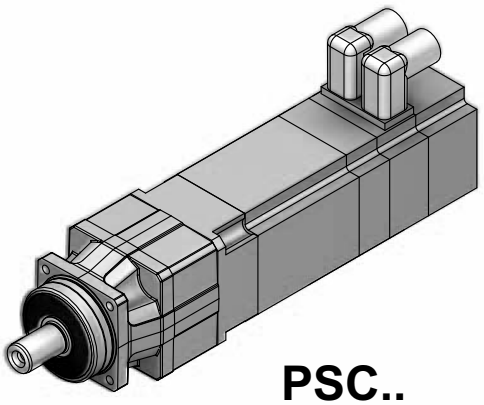
BSBF602 PSBF621/622
BSBF802 PSBF821/822

55 036 00 03

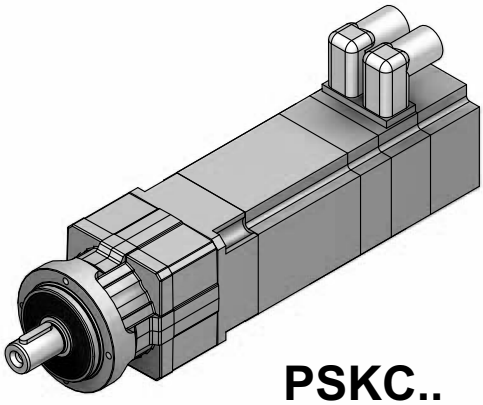


15 PS.C..CMP, DS, CM

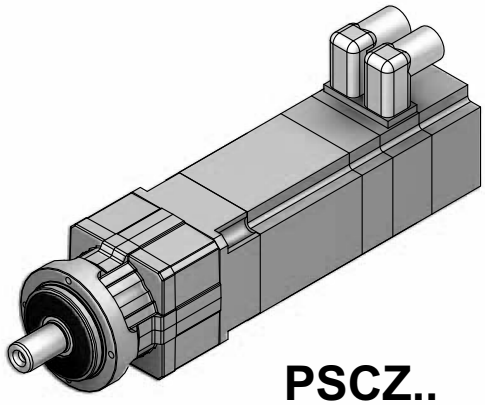
15.1 PSC, PSKC, PSCZ, PSKCZ..CMP / DS / CM



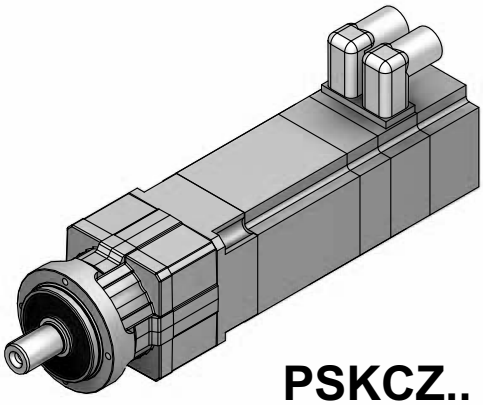
PSC..



PSKC..

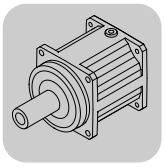


PSCZ..



PSKCZ..

63320axx



15.2 PS.C221/222 / CMP / DS [Nm]

M_{aDyn} [Nm]		CMP							DS		
	i	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSC221 1	3	11	15	31	>40	33	>40	>40	11	23	>40
	5	19	26	>42	>42	>42	>42	>42	19	38	>42
	7	26	36	>39	>39	>39	>39		26	>39	>39
	10	>37	>37						>37	>37	
PSC222 2	15	>40	>40	>40	>40	>40	>40	>40	>40	>40	>40
	21	>40	>40	>40	>40	>40	>40		>40	>40	>40
	25	>42	>42	>42	>42	>42	>42	>42	>42	>42	>42
	30	>40	>40						>40	>40	
	35	>39	>39	>39	>39	>39	>39		>39	>39	>39
	49	>39	>39	>39	>39	>39	>39		>39	>39	>39
	50	>42	>42						>42	>42	
	70	>39	>39						>39	>39	
	100	>37	>37						>37	>37	

m [kg]		CMP							DS		
	s	40M	50S	50M	50L	63S	63M	63L	56M	56L	56H
PSC221	1	3.2	4.0	5.0	5.9	6.3	7.8	9.3	4.2	5.2	5.9
PSC222	2	3.8	4.7	5.6	6.5	7.0	8.5	10.0	4.8	5.8	6.5

				M1;M3;M5-6			M2			M4			φ
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']
PSC221 1	3	7000	99	101.00	-0.093	0	106.00	-0.104	0	109.00	-0.110	0	10
	5	7000	99	160.00	-0.181	0	163.00	-0.190	0	167.00	-0.200	0	10
	7	7000	99	186.00	-0.257	0	187.00	-0.264	0	186.00	-0.267	0	10
	10	7000	99	158.00	-0.178	0	161.00	-0.184	0	164.00	-0.194	0	10
PSC222 2	15	7000	98	176.00	-0.608	0	176.00	-0.623	0	178.00	-0.633	0	15
	21	7000	98	198.00	-0.834	0	196.00	-0.840	0	197.00	-0.850	0	15
	25	7000	98	342.00	-1.906	0	345.00	-1.965	0	346.00	-1.980	0	15
	30	7000	98	177.00	-0.606	0	177.00	-0.617	0	178.00	-0.627	0	15
	35	7000	98	395.00	-2.703	0	396.00	-2.764	0	398.00	-2.780	0	15
	49	7000	98	557.00	-5.287	0	559.00	-5.413	0	560.00	-5.433	0	15
	50	7000	98	932.00	-8.059	0	914.00	-8.267	0	916.00	-8.301	0	15
	70	7000	98	484.00	-3.704	0	485.00	-3.798	0	487.00	-3.815	0	15
	100	7000	98	634.00	-6.890	0	637.00	-7.071	0	638.00	-7.089	0	15

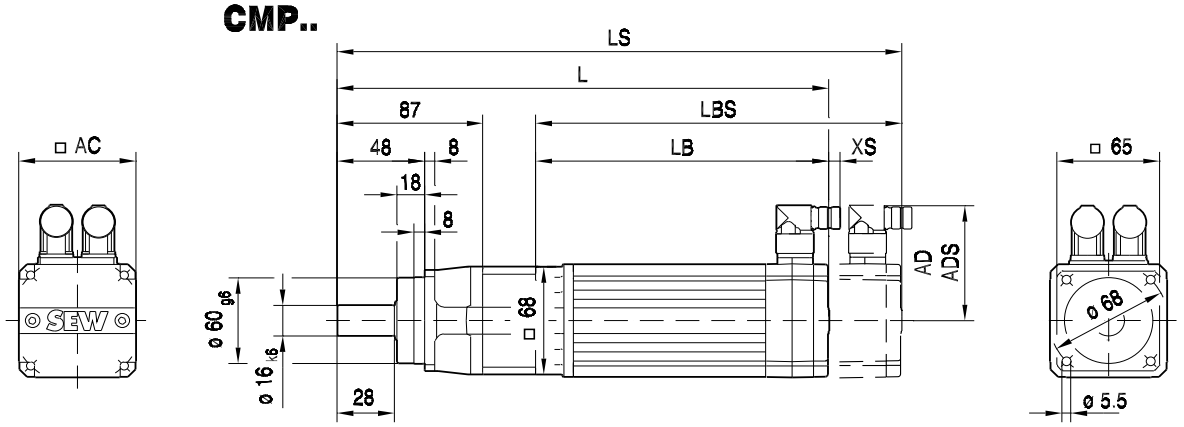
CMP / DS							c_T PSC	F_{Ramax} PSC	F_{Rapk} PSC
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/']	[N]	[N]
PSC221 1	3	29	40	60	1500	0.17	3.46	1170	2000
	5	34	42	63	720	0.058	3.44	1390	2000
	7	32	39	59	800	0.030	3.28	1550	2000
	10	30	37	56	700	0.014	2.92	1750	2000
PSC222 2	15	29	40	60	467	0.057	2.93	2000	2000
	21	29	40	60	333	0.030	2.88	2000	2000
	25	34	42	63	280	0.053	3.02	2000	2000
	30	29	40	60	233	0.014	2.77	2000	2000
	35	32	39	59	200	0.027	2.98	2000	2000
	49	32	39	59	143	0.027	2.88	2000	2000
	50	34	42	63	140	0.013	2.9	2000	2000
	70	32	39	59	100	0.013	2.82	2000	2000
	100	30	37	56	70	0.013	2.57	2000	2000

15.3 PS.C221/222 / CMP / DS [mm]

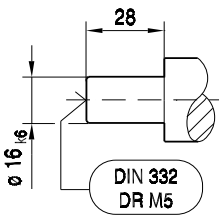
57 031 00 07

PSC221..

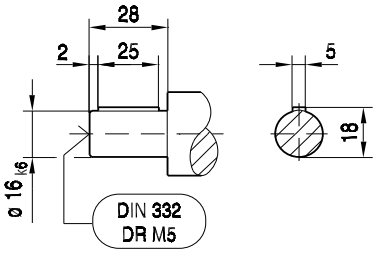
CMP..



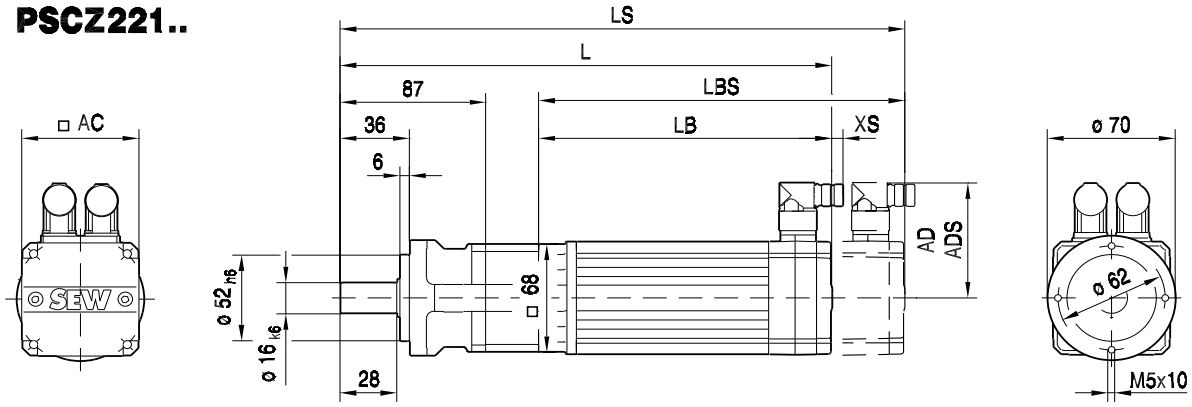
PSC / PSCZ



PSKC / PSKCZ



PSCZ221..

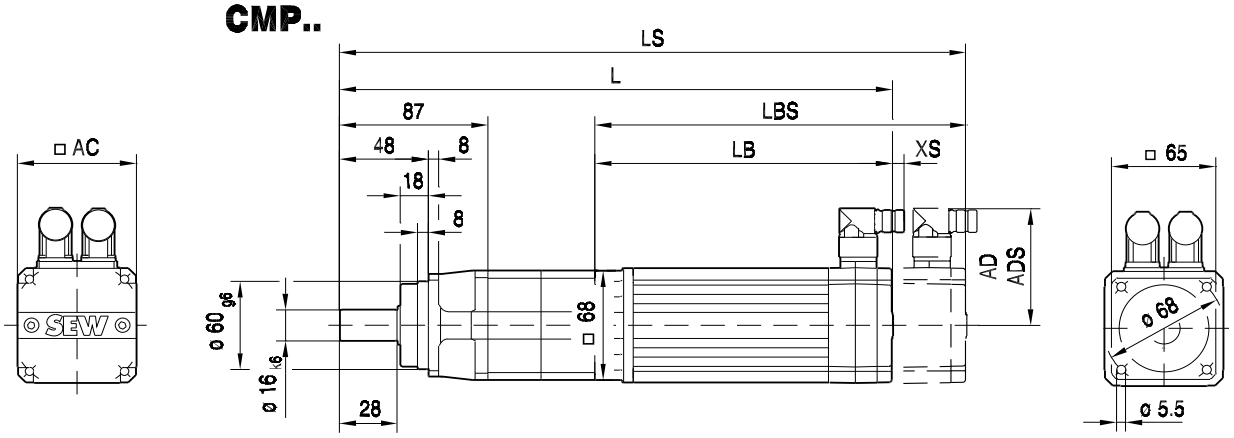


(→ 📖 150)	CMP40M	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L				
AC	57	73	73	73	88	88	88				
AD	75	83	83	83	92	92	92				
ADS	75	83	83	83	92	92	92				
L	270	272	311	350	307	357	407				
LS	300	301	340	379	336	386	435				
LB	149	151	190	229	186	236	286				
LBS	179	180	219	258	215	265	314				
XS	19	18	18	18	14	14	14				

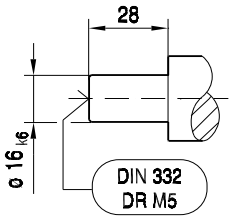
57 032 00 07

PSC222..

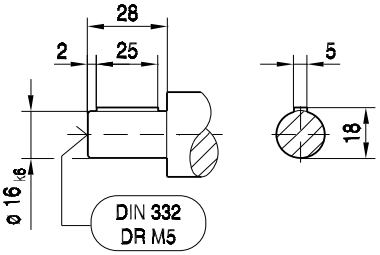
CMP..



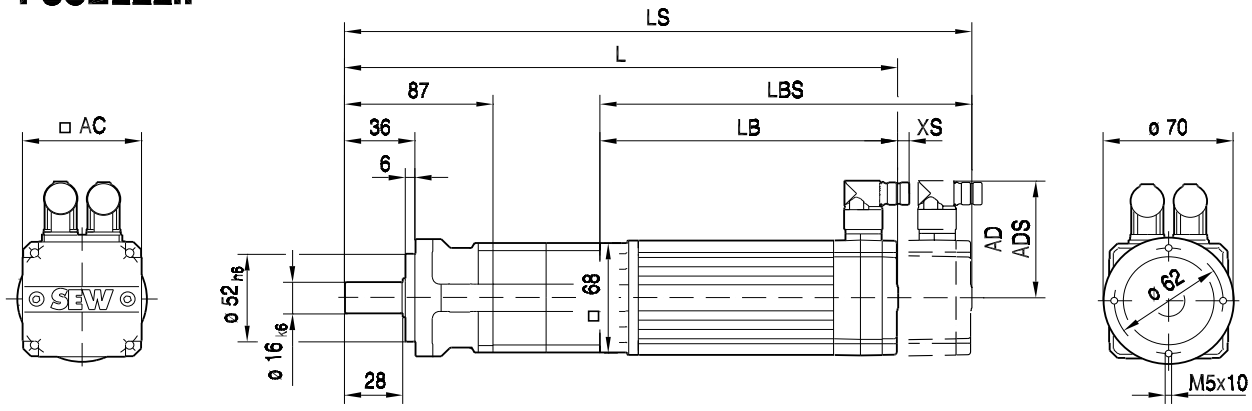
PSC / PSCZ



PSKC / PSCKZ



PSCZ222..

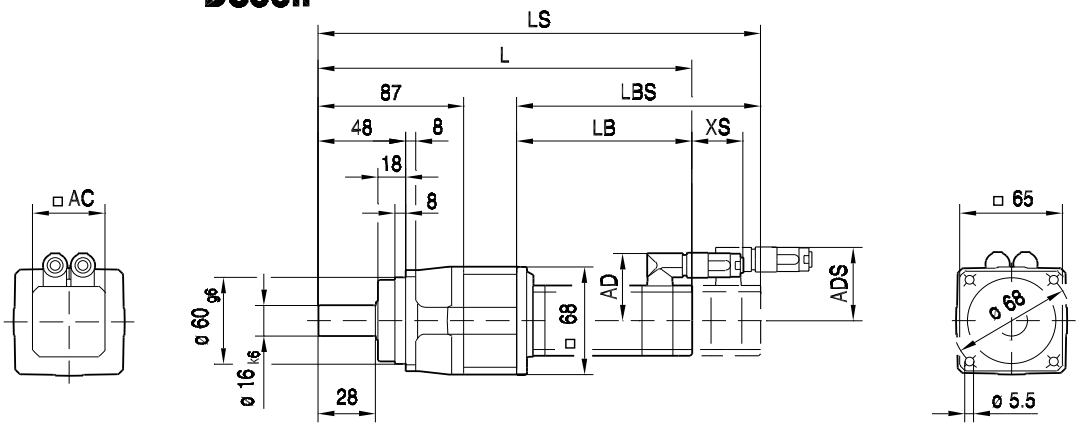


(→ 150)	CMP40M	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L				
AC	57	73	73	73	88	88	88				
AD	75	83	83	83	92	92	92				
ADS	75	83	83	83	92	92	92				
L	305	307	346	385	342	392	442				
LS	335	336	375	414	370	420	470				
LB	149	151	190	229	186	236	286				
LBS	179	180	219	258	215	265	314				
XS	19	18	18	18	14	14	14				

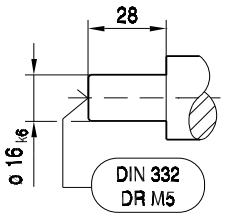
57 039 00 07

PSC221..

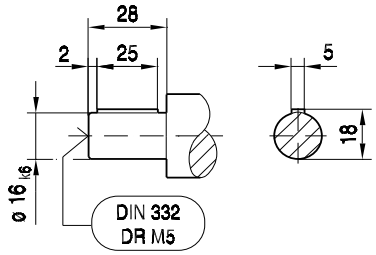
DS56..



PSC



PSKC

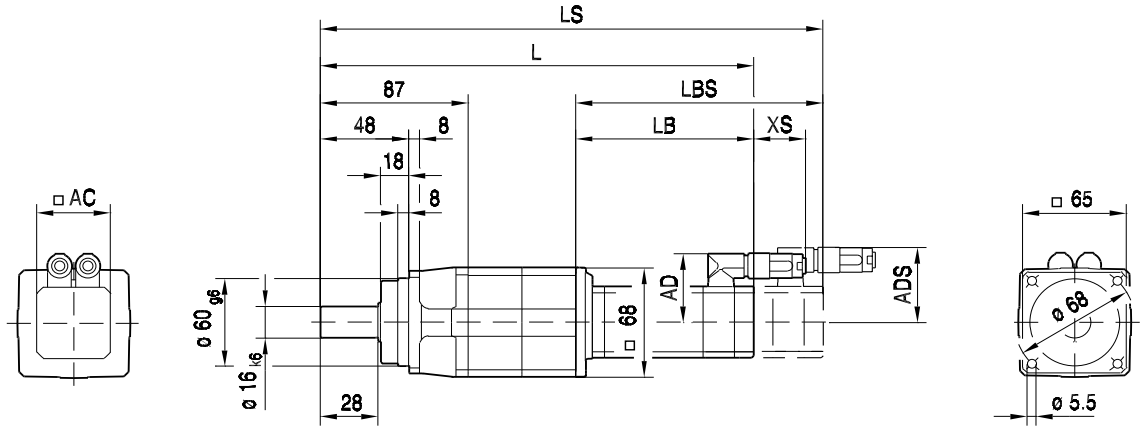


(→ 📖 150)	DS56M	DS56L	DS56H								
AC	73	73	73								
AD	71	71	77								
ADS	77	77	77								
L	265	297	400								
LS	295	327	400								
LB	144	176	279								
LBS	174	206	279								
XS	70	70	51								

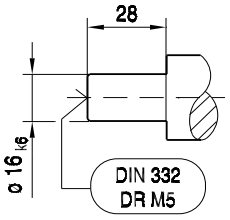
57 040 00 07

PSC222..

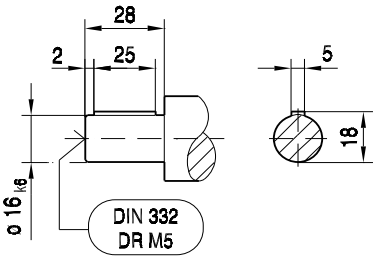
DS56..



PSC



PSKC

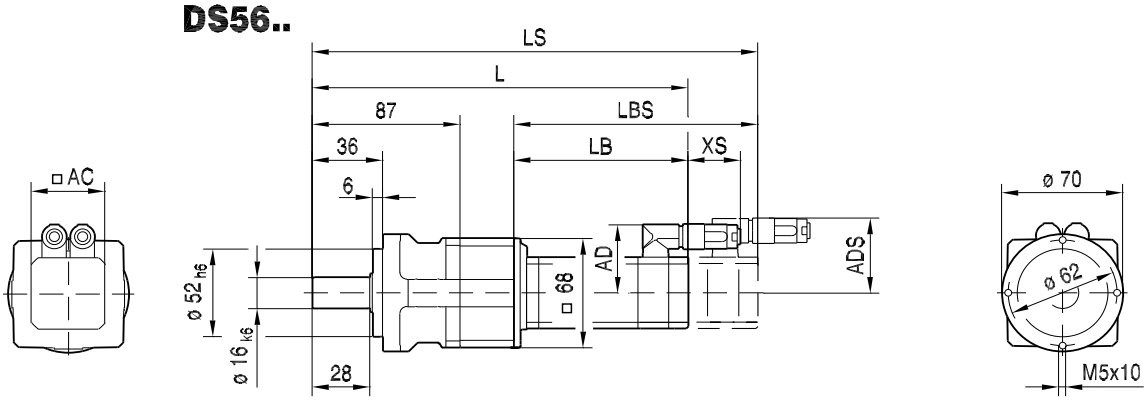


(→ 📖 150)	DS56M	DS56L	DS56H								
AC	73	73	73								
AD	71	71	77								
ADS	77	77	77								
L	300	332	435								
LS	330	362	435								
LB	144	176	279								
LBS	174	206	279								
XS	70	70	51								

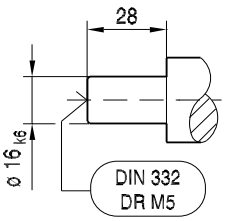
57 047 00 07

PSCZ221..

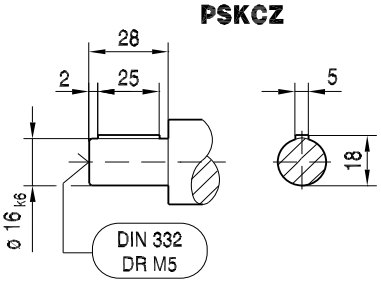
DS56..



PSCZ



PSKCZ

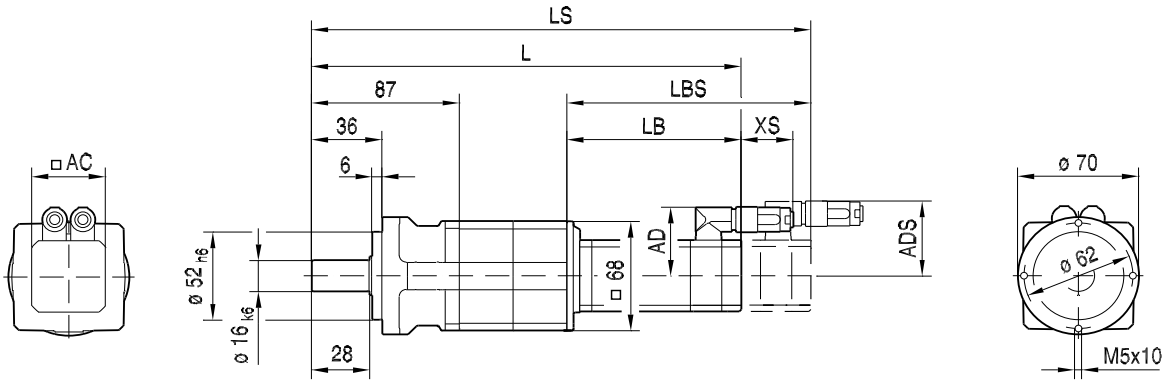


(→ 📖 150)	DS56M	DS56L	DS56H								
AC	73	73	73								
AD	71	71	77								
ADS	77	77	77								
L	265	297	400								
LS	295	327	400								
LB	144	176	279								
LBS	174	206	279								
XS	70	70	51								

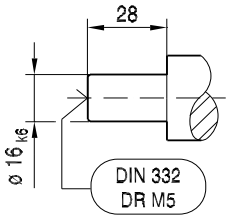
57 048 00 07

PSCZ222..

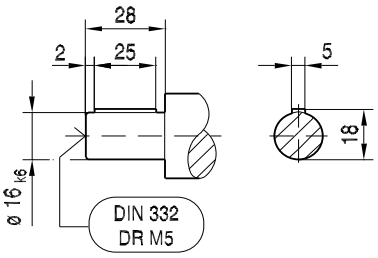
DS56..



PSCZ



PSKCZ



(→ 📖 150)	DS56M	DS56L	DS56H								
AC	73	73	73								
AD	71	71	77								
ADS	77	77	77								
L	300	332	435								
LS	330	362	435								
LB	144	176	279								
LBS	174	206	279								
XS	70	70	51								

15.4 PS.C321/322 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP						DS			CM		
	i	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSC321 1	3	15	31	46	33	64	>86	11	23	45	49	64	>86
	5	26	51	76	55	>91	>91	19	38	75	82	>91	>91
	7	36	71	>85	77	>85	>85	26	53	>85	>85	>85	>85
	10	51	>81	>81	>81			38	75	>81	>81		
PSC322 2	15	76	>86	>86	>86	>86	>86	56	>86	>86	>86	>86	>86
	21	>86	>86	>86	>86	>86	>86	78	>86	>86	>86	>86	>86
	25	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91	>91
	30	>86	>86	>86	>86			>86	>86	>86	>86		
	35	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
	49	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85	>85
	50	>91	>91	>91	>91			>91	>91	>91	>91		
	70	>85	>85	>85	>85			>85	>85	>85	>85		
	100	>81	>81	>81	>81			>81	>81	>81	>81		

m [kg]		CMP						DS			CM		
	s	50S	50M	50L	63S	63M	63L	56M	56L	56H	71S	71M	71L
PSC321	1	6.4	7.3	8.2	7.8	9.2	11	5.7	6.7	7.4	13	16	18
PSC322	2	7.8	8.7	9.6	9.2	11	12	7.1	8.1	8.8	14	17	19

				M1;M3;M5-6			M2			M4			φ
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']
PSC321 1	3	6500	99	183.00	-0.184	0	190.00	-0.201	0	191.00	-0.212	0	10
	5	6500	99	257.00	-0.296	0	262.00	-0.308	0	264.00	-0.324	0	10
	7	6500	99	257.00	-0.341	0	261.00	-0.350	0	259.00	-0.360	0	10
	10	6500	99	247.00	-0.395	0	251.00	-0.406	0	251.00	-0.418	0	10
PSC322 2	15	6500	98	296.00	-1.011	0	296.00	-1.026	0	299.00	-1.053	0	15
	21	6500	98	310.00	-1.219	0	308.00	-1.224	0	311.00	-1.250	0	15
	25	6500	98	539.00	-2.935	0	542.00	-3.004	0	545.00	-3.041	0	15
	30	6500	98	326.00	-1.546	0	323.00	-1.547	0	326.00	-1.575	0	15
	35	6500	98	571.00	-3.602	0	572.00	-3.666	0	575.00	-3.704	0	15
	49	6500	98	737.00	-6.438	0	739.00	-6.559	0	741.00	-6.599	0	15
	50	6500	98	1901.0	-21.769	0	1904.0	-22.556	0	1908.0	-22.648	0	15
	70	6500	98	777.00	-8.291	0	767.00	-8.289	0	769.00	-8.331	0	15
	100	6500	98	961.00	-14.560	0	947.00	-14.538	0	948.00	-14.571	0	15

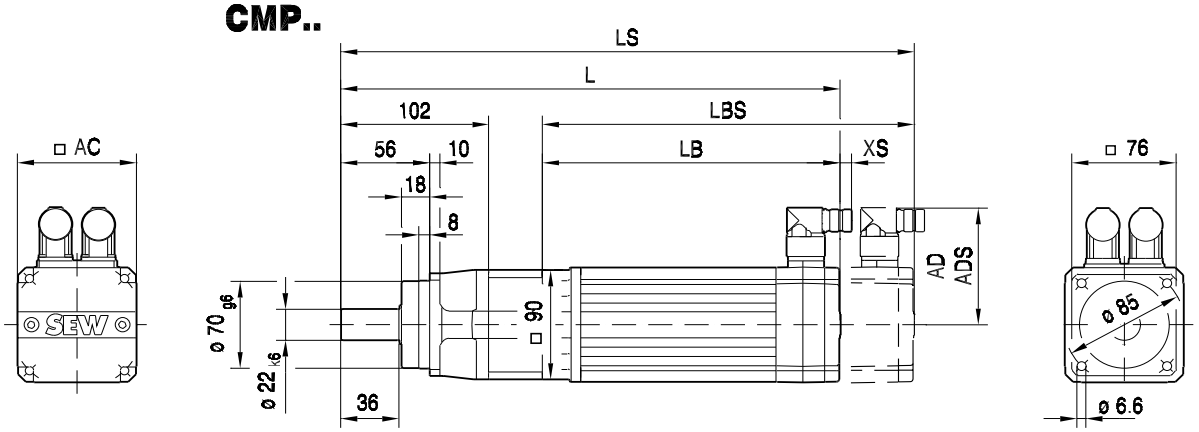
CMP / DS / CM							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSC [Nm/']	PSC [N]	PSC [N]
PSC321 1	3	62	86	129	633	0.52	10.5	1710	4000
	5	74	91	136	300	0.17	10.9	2030	4000
	7	69	85	128	329	0.092	10.3	2270	4000
	10	66	81	122	360	0.045	8.59	2560	4000
PSC322 2	15	62	86	129	467	0.16	8.26	2930	4000
	21	62	86	129	333	0.085	8.1	3280	4000
	25	74	91	136	280	0.15	9.02	3470	4000
	30	62	86	129	233	0.042	7.67	3690	4000
	35	69	85	128	200	0.078	8.88	3880	4000
	49	69	85	128	143	0.076	8.62	4000	4000
	50	74	91	136	140	0.038	8.53	4000	4000
	70	69	85	128	100	0.037	8.35	4000	4000
	100	66	81	122	70	0.037	7.33	4000	4000

15.5 PS.C321/322 / CMP / DS / CM [mm]

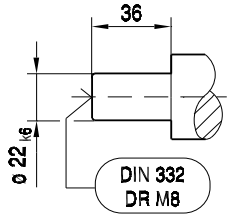
57 033 00 07

PSC321..

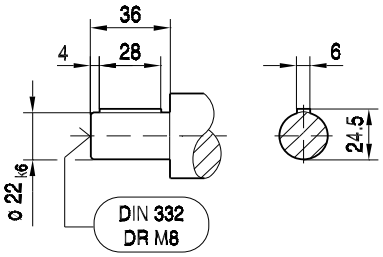
CMP..



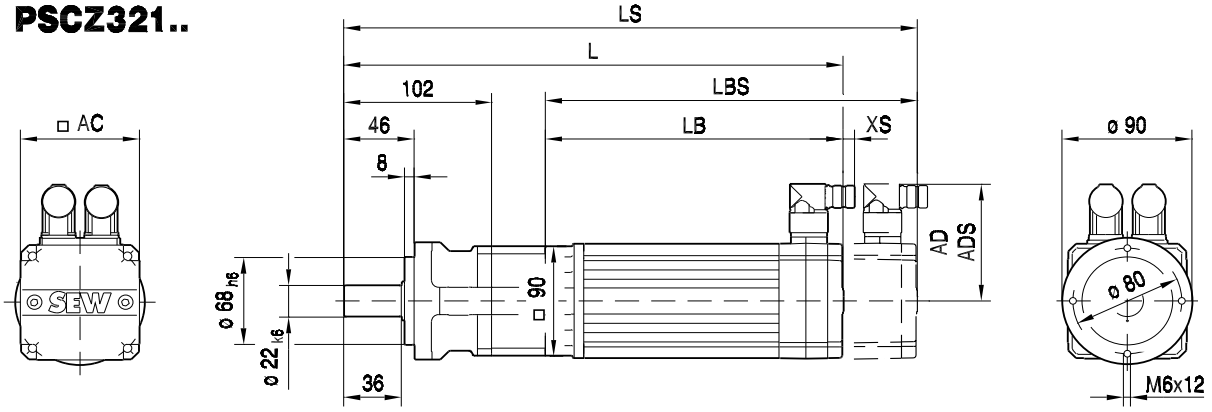
PSC / PSCZ



PSKC / PSKCZ



PSCZ321..

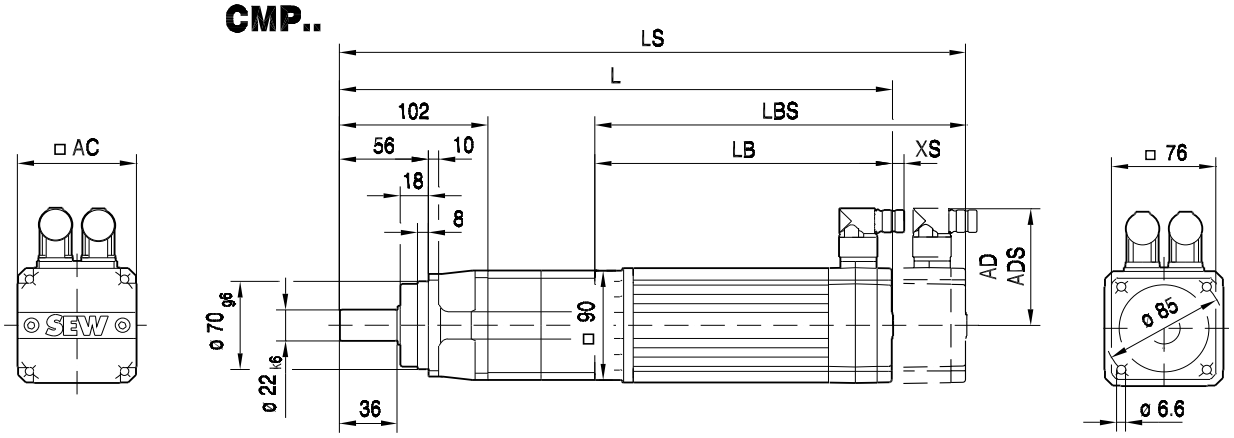


(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L					
AC	73	73	73	88	88	88					
AD	83	83	83	92	92	92					
ADS	83	83	83	92	92	92					
L	290	329	368	325	375	425					
LS	319	358	397	354	404	454					
LB	146	185	224	181	231	281					
LBS	175	214	253	210	260	310					
XS	18	18	18	14	14	14					

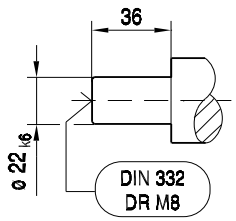
57 034 00 07

PSC322..

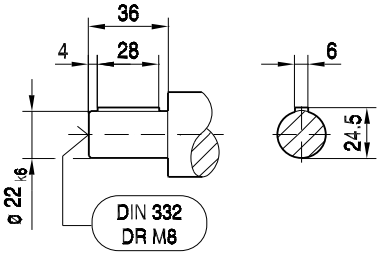
CMP..



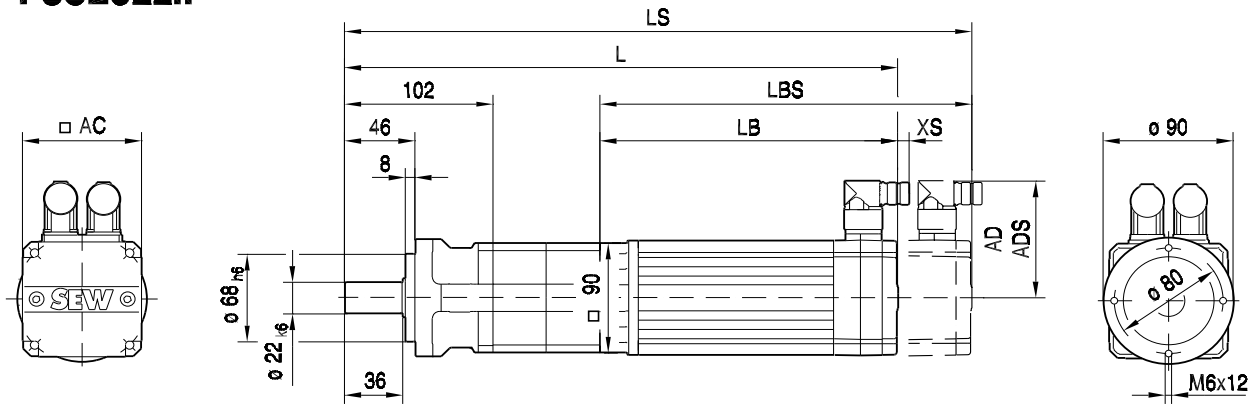
PSC / PSCZ



PSKC / PSCKZ



PSCZ322..

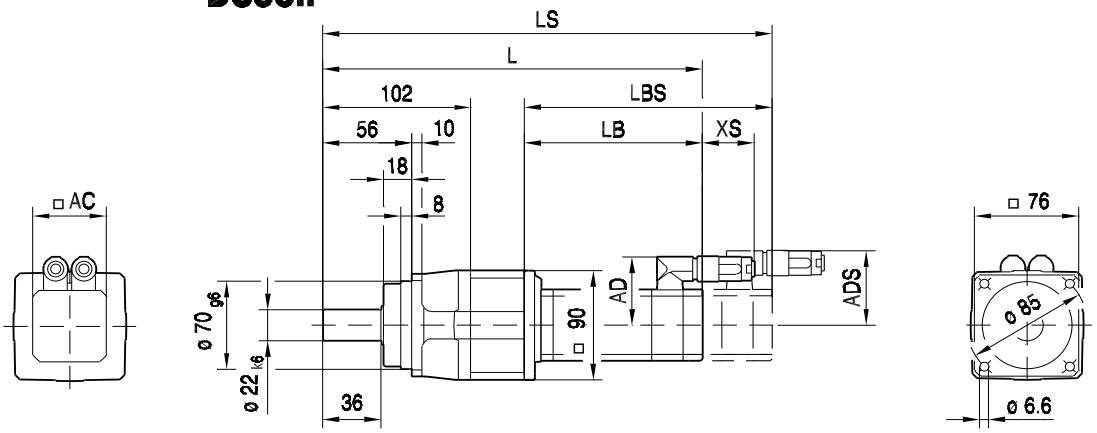


(→ 150)	CMP50S	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L					
AC	73	73	73	88	88	88					
AD	83	83	83	92	92	92					
ADS	83	83	83	92	92	92					
L	332	371	410	367	417	467					
LS	361	400	439	395	445	495					
LB	146	185	224	181	231	281					
LBS	175	214	253	210	260	310					
XS	18	18	18	14	14	14					

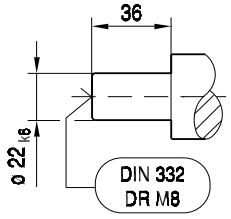
57 041 00 07

PSC321..

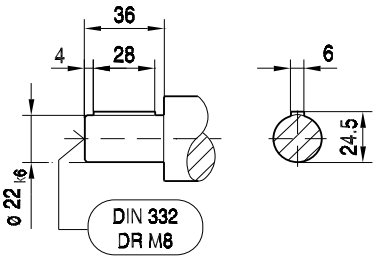
DS56..



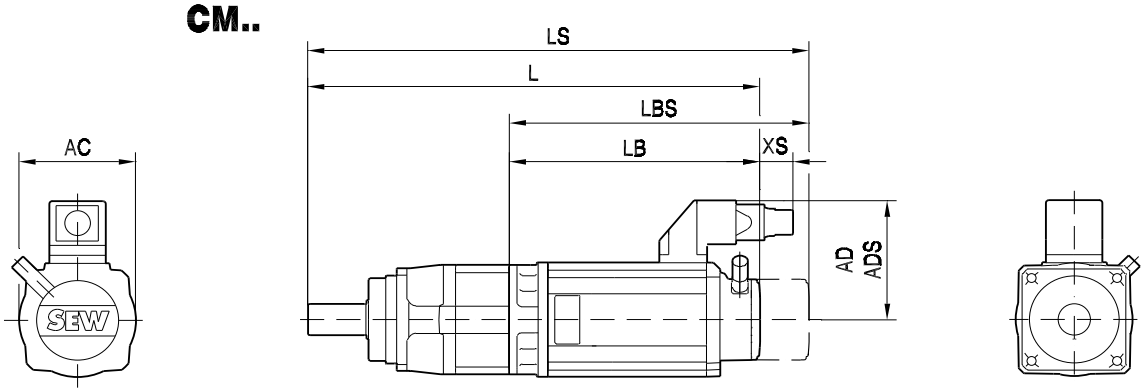
PSC



PSKC



CM..

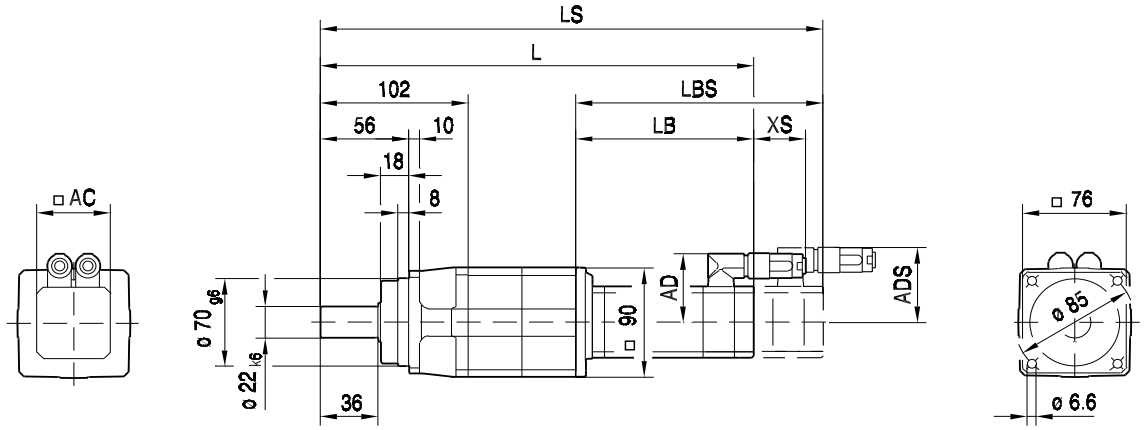


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L					
AC	73	73	73	117	117	117					
AD	71	71	77	122	122	122					
ADS	77	77	77	122	122	122					
L	283	315	418	383	403	443					
LS	313	345	418	466	486	526					
LB	139	171	274	240	260	300					
LBS	169	201	274	322	342	382					
XS	70	70	51	45	45	45					

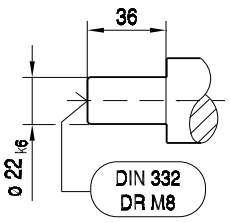
57 042 00 07

PSC322..

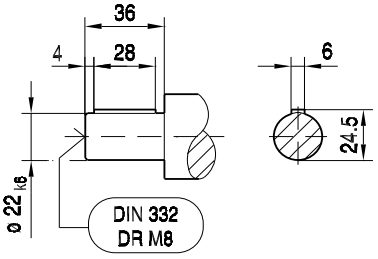
DS56..



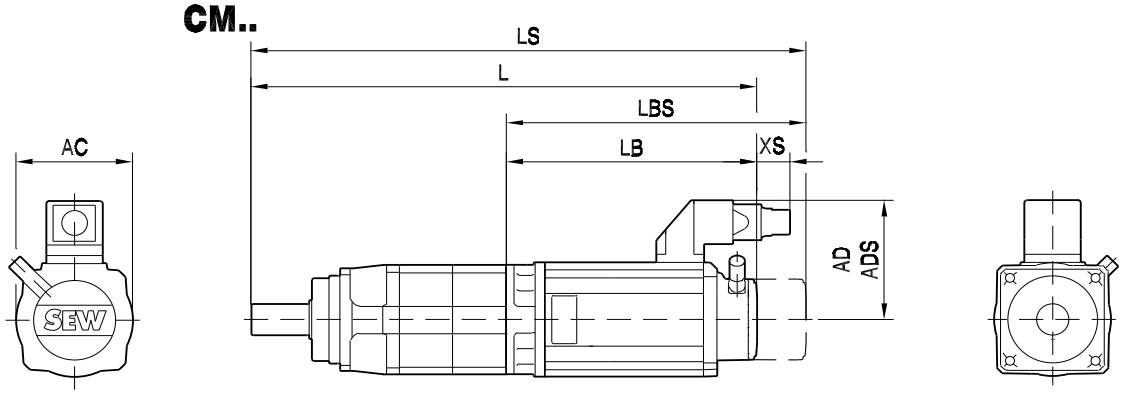
PSC



PSKC



CM..

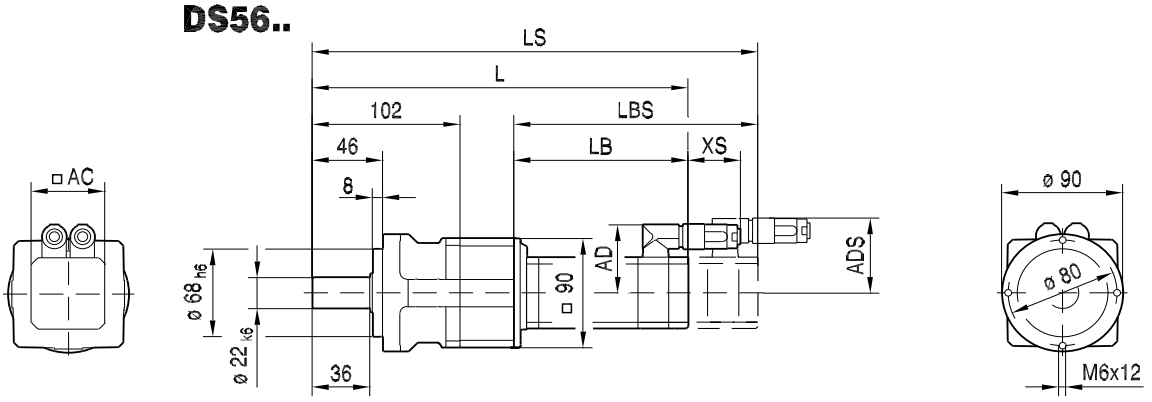


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L					
AC	73	73	73	117	117	117					
AD	71	71	77	122	122	122					
ADS	77	77	77	122	122	122					
L	325	357	460	425	445	485					
LS	355	387	460	507	527	567					
LB	139	171	274	240	260	300					
LBS	169	201	274	322	342	382					
XS	70	70	51	45	45	45					

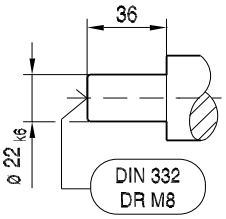
57 049 00 07

PSCZ321..

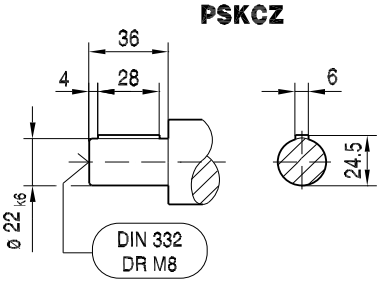
DS56..



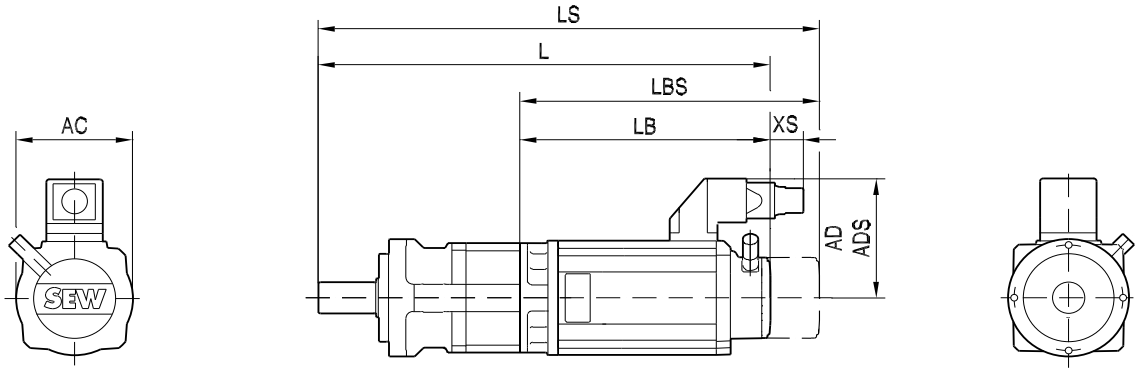
PSCZ



PSKCZ



CM..

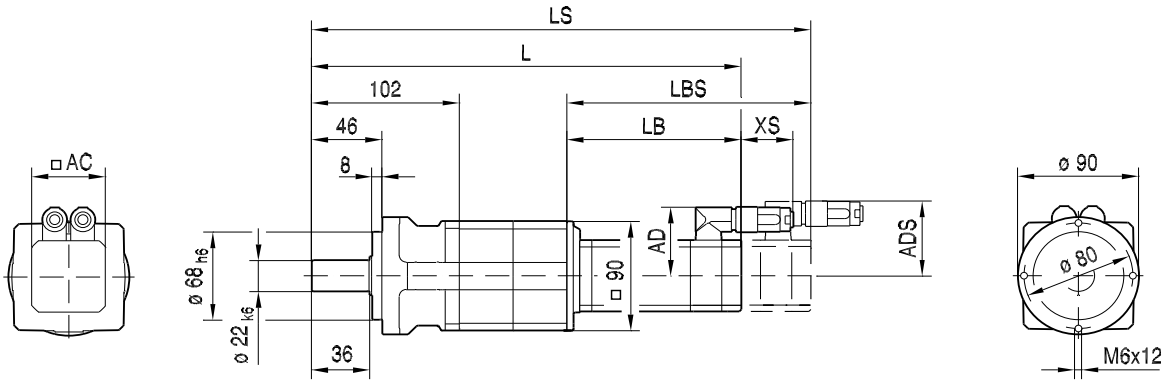


(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L					
AC	73	73	73	117	117	117					
AD	71	71	77	122	122	122					
ADS	77	77	77	122	122	122					
L	283	315	418	383	403	443					
LS	313	345	418	466	486	526					
LB	139	171	274	240	260	300					
LBS	169	201	274	322	342	382					
XS	70	70	51	45	45	45					

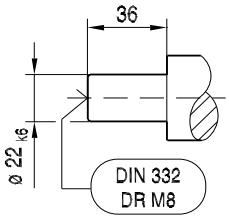
57 050 00 07

PSCZ322..

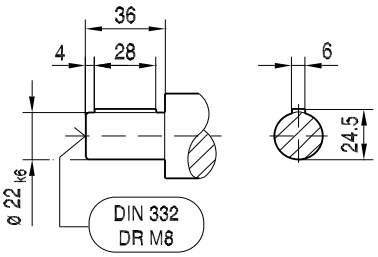
DS56..



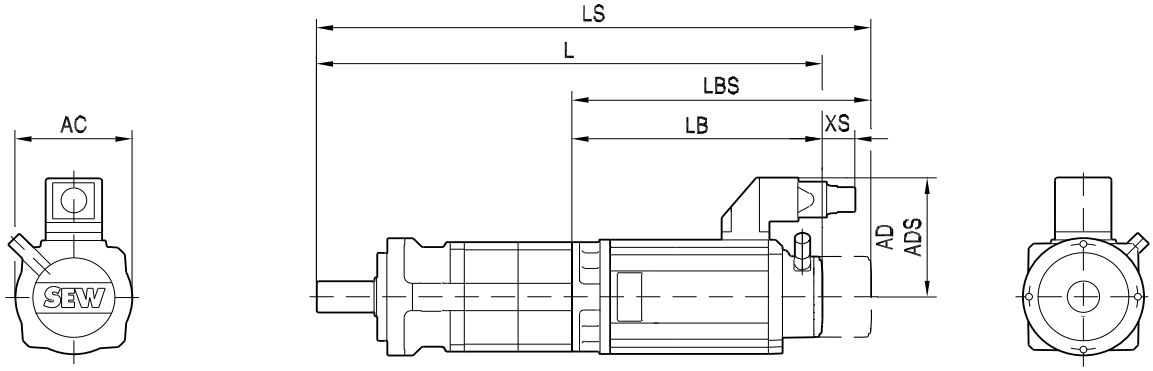
PSCZ



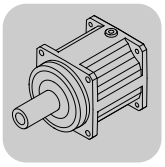
PSKCZ



CM..



(→ 📖 150)	DS56M	DS56L	DS56H	CM71S	CM71M	CM71L					
AC	73	73	73	117	117	117					
AD	71	71	77	122	122	122					
ADS	77	77	77	122	122	122					
L	325	357	460	425	445	485					
LS	355	387	460	507	527	567					
LB	139	171	274	240	260	300					
LBS	169	201	274	322	342	382					
XS	70	70	51	45	45	45					



15.6 PS.C521/522 / CMP / DS / CM [Nm]

M_{aDyn} [Nm]		CMP					DS	CM					
	i	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L
PSC521 1	3	31	46	33	64	90	45	49	64	93	118	155	>203
	5	51	76	55	106	150	75	82	106	155	196	>223	>223
	7	71	107	77	148	>209	105	114	149	>209	>209	>209	>209
	10	102	152	110	>199	>199	150	163	>199	>199	>199		
PSC522 2	15	151	>203	163	>203	>203	>203	>203	>203	>203	>203	>203	>203
	21	>203	>203	>203	>203	>203	>203	>203	>203	>203	>203	>203	>203
	25	>223	>223	>223	>223	>223	>223	>223	>223	>223	>223	>223	>223
	30	>203	>203	>203	>203	>203	>203	>203	>203	>203	>203		
	35	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209
	49	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209
	50	>223	>223	>223	>223	>223	>223	>223	>223	>223	>223		
	70	>209	>209	>209	>209	>209	>209	>209	>209	>209	>209		
	100	>199	>199	>199	>199	>199	>199	>199	>199	>199	>199		

m [kg]		CMP					DS	CM					
	s	50M	50L	63S	63M	63L	56H	71S	71M	71L	90S	90M	90L
PSC521	1	10	11	11	13	14	11	16	17	21	27	29	34
PSC522	2	13	14	14	16	17	14	19	20	24	30	32	37

				M1;M3;M5-6			M2			M4			φ
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]
PSC521 1	3	6000	99	408.00	-0.482	0	421.00	-0.522	0	419.00	-0.543	0	10
	5	6000	99	607.00	-0.833	0	620.00	-0.867	0	610.00	-0.887	0	10
	7	6000	99	680.00	-1.083	0	693.00	-1.117	0	690.00	-1.158	0	10
	10	6000	99	781.00	-1.515	0	705.00	-1.383	0	718.00	-1.467	0	10
PSC522 2	15	6000	98	669.00	-2.850	0	661.00	-2.849	0	667.00	-2.913	0	15
	21	6000	98	729.00	-3.600	0	722.00	-3.607	0	729.00	-3.681	0	15
	25	6000	98	1280.0	-8.694	0	1273.0	-8.782	0	1279.0	-8.877	0	15
	30	6000	98	786.00	-4.717	0	782.00	-4.755	0	788.00	-4.830	0	15
	35	6000	98	1399.0	-11.090	0	1382.0	-11.117	0	1391.0	-11.241	0	15
	49	6000	98	1940.0	-21.291	0	1917.0	-21.345	0	1923.0	-21.472	0	15
	50	6000	98	4389.0	-62.376	0	4470.0	-65.385	0	4478.0	-65.603	0	15
	70	6000	98	2117.0	-28.597	0	2107.0	-28.880	0	2112.0	-29.007	0	15
	100	6000	98	2942.0	-56.440	0	2674.0	-52.085	0	2678.0	-52.214	0	15

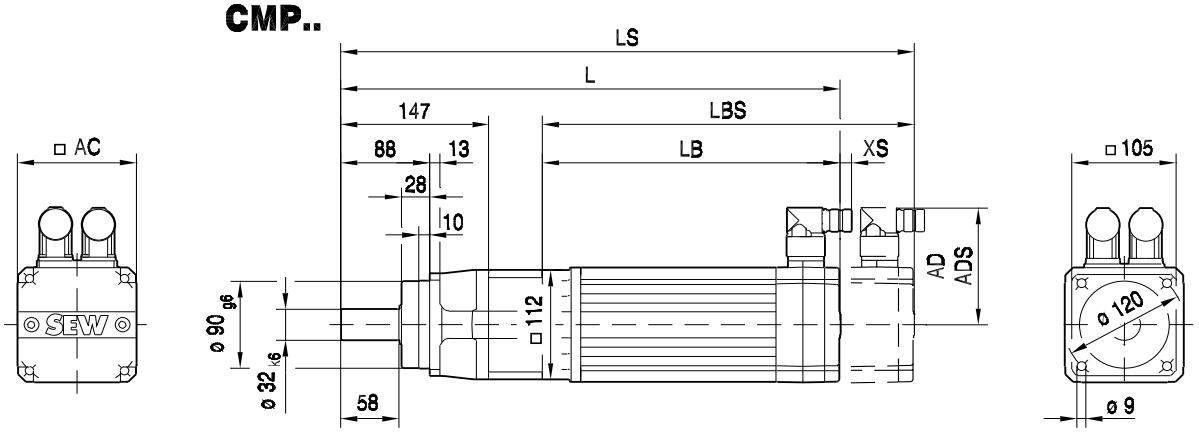
CMP / DS / CM							c_T PSC	F_{Ramax} PSC	F_{Rapk} PSC
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	[Nm/°]	[N]	[N]
PSC521 1	3	147	203	305	900	2.1	26.7	2900	6750
	5	181	223	334	360	0.85	28.0	3440	6750
	7	169	209	313	414	0.37	26.5	3850	6750
	10	161	199	298	440	0.18	22.2	4330	6750
PSC522 2	15	147	203	305	467	0.81	21.09	4960	6750
	21	147	203	305	333	0.35	20.66	5550	6750
	25	181	223	334	280	0.76	23.39	5880	6750
	30	147	203	305	233	0.17	19.57	6250	6750
	35	169	209	313	200	0.32	23.01	6580	6750
	49	169	209	313	143	0.31	22.47	6750	6750
	50	181	223	334	140	0.16	22.13	6750	6750
	70	169	209	313	100	0.15	21.8	6750	6750
	100	161	199	298	70	0.15	19.28	6750	6750

15.7 PS.C521/522 / CMP / DS / CM [mm]

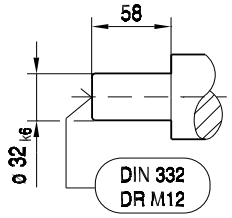
57 035 00 07

PSC521..

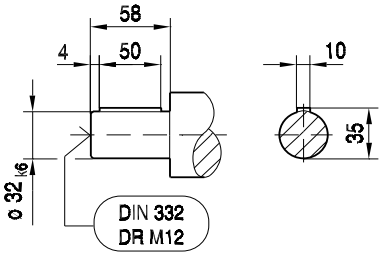
CMP..



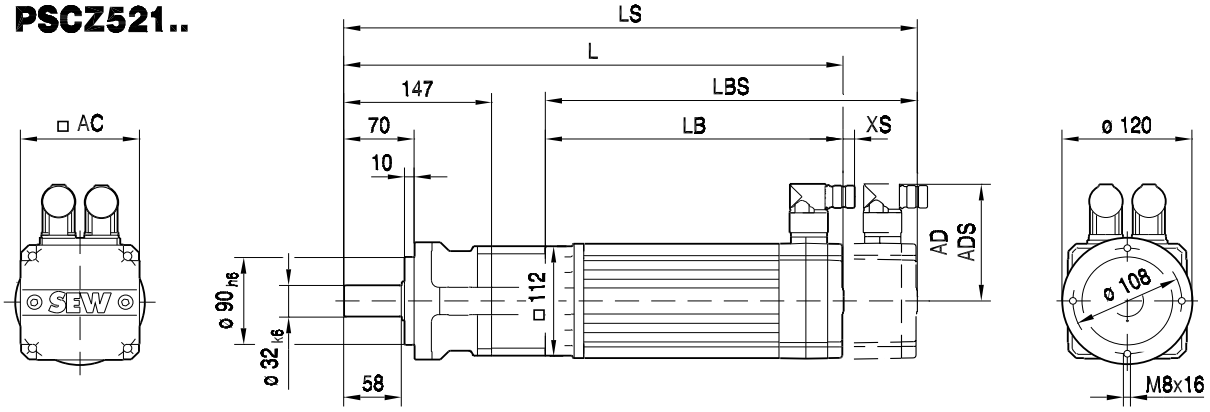
PSC / PSCZ



PSKC / PSKCZ



PSCZ521..

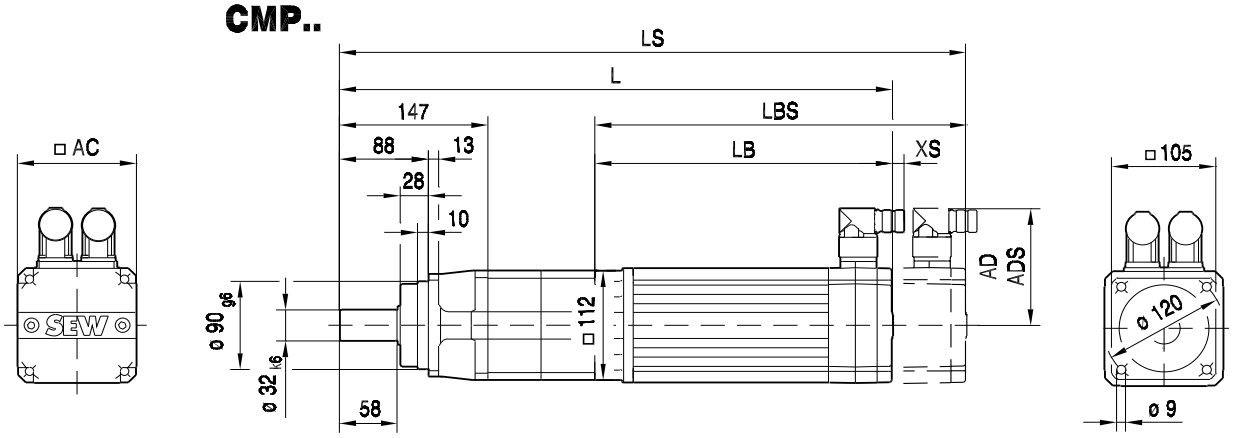


(→ 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L						
AC	73	73	88	88	88						
AD	83	83	92	92	92						
ADS	83	83	92	92	92						
L	381	420	377	427	477						
LS	410	449	405	455	505						
LB	180	219	176	226	276						
LBS	209	248	205	255	305						
XS	18	18	14	14	14						

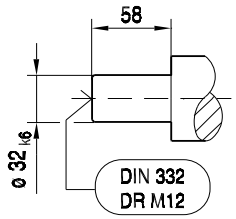
57 036 00 07

PSC522..

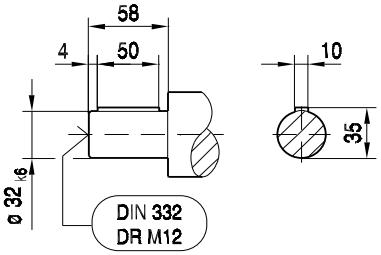
CMP..



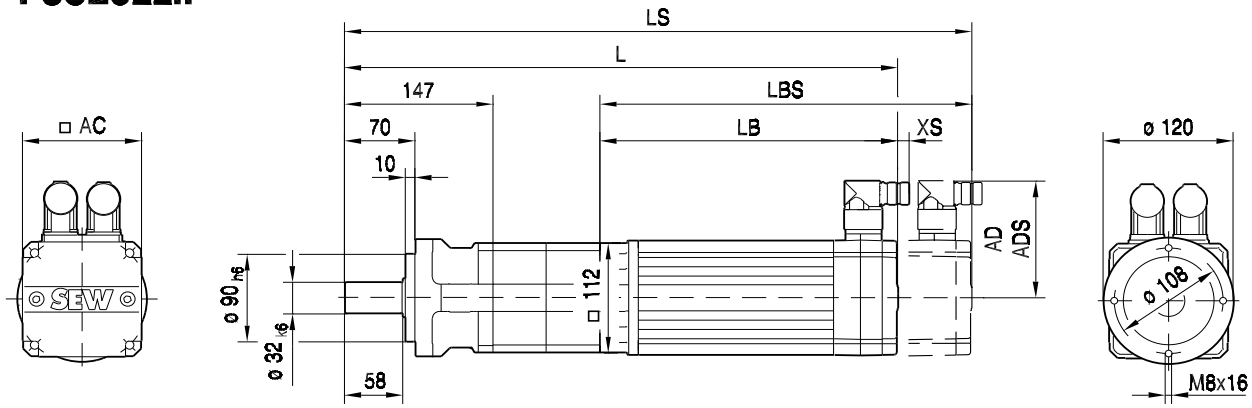
PSC / PSCZ



PSKC / PSCKZ



PSCZ522..

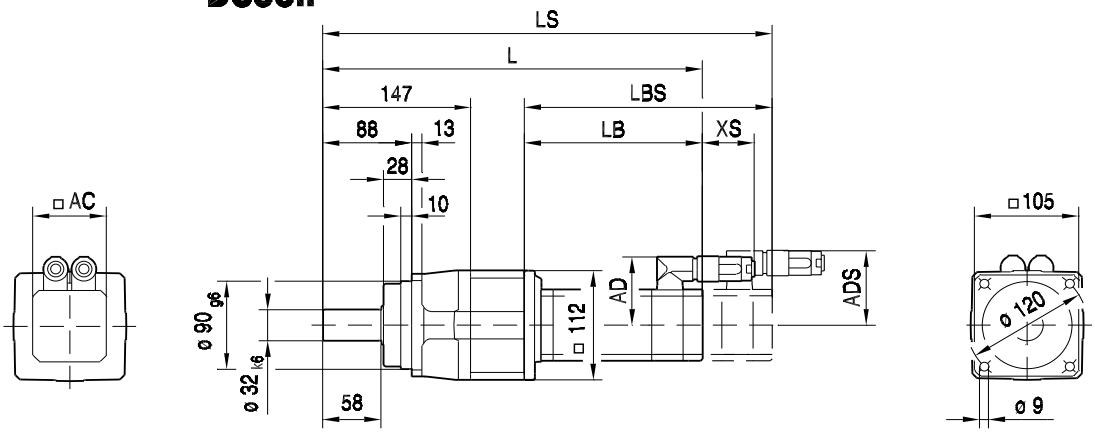


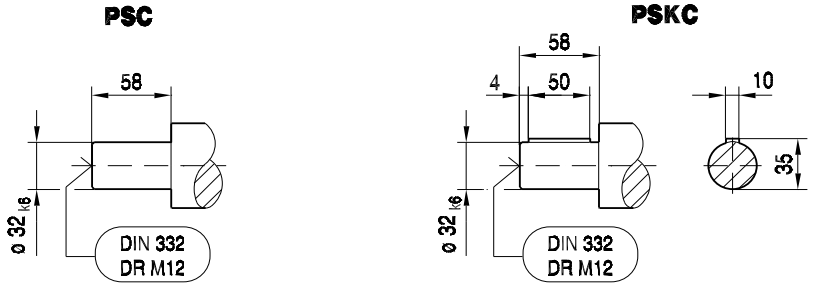
(→ 📖 150)	CMP50M	CMP50L	CMP63S	CMP63M	CMP63L						
AC	73	73	88	88	88						
AD	83	83	92	92	92						
ADS	83	83	92	92	92						
L	434	473	430	480	530						
LS	463	502	458	508	558						
LB	180	219	176	226	276						
LBS	209	248	205	255	305						
XS	18	18	14	14	14						

57 043 00 07

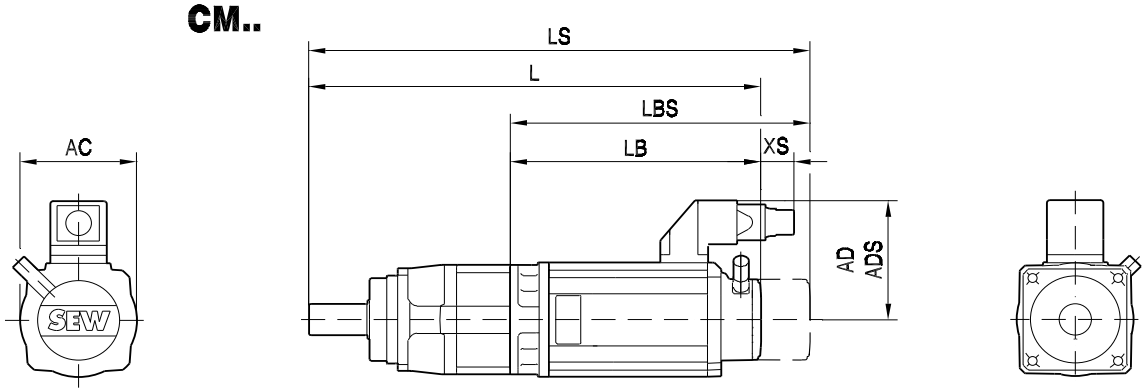
PSC521..

DS56..





CM..

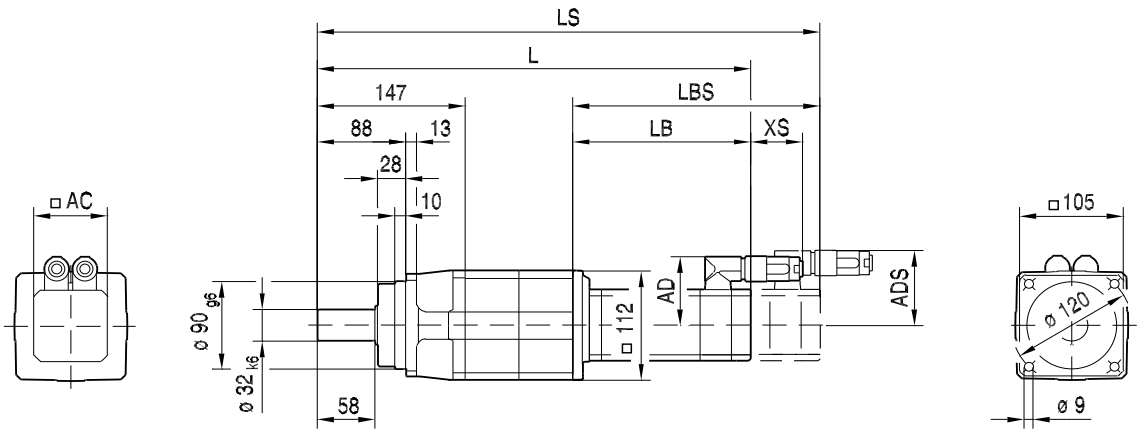


(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L				
AC	73	117	117	117	142	142	142				
AD	77	122	122	122	140	140	140				
ADS	77	122	122	122	140	140	140				
L	469	435	455	495	487	514	568				
LS	469	517	537	577	582	609	663				
LB	269	235	255	295	287	314	368				
LBS	269	317	337	377	382	409	463				
XS	51	45	45	45	50	50	50				

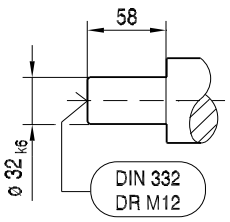
57 044 00 07

PSC522..

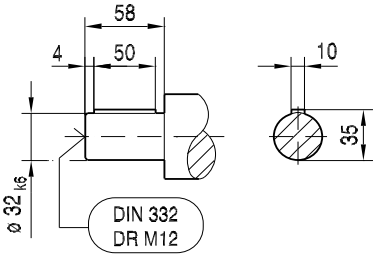
DS56..



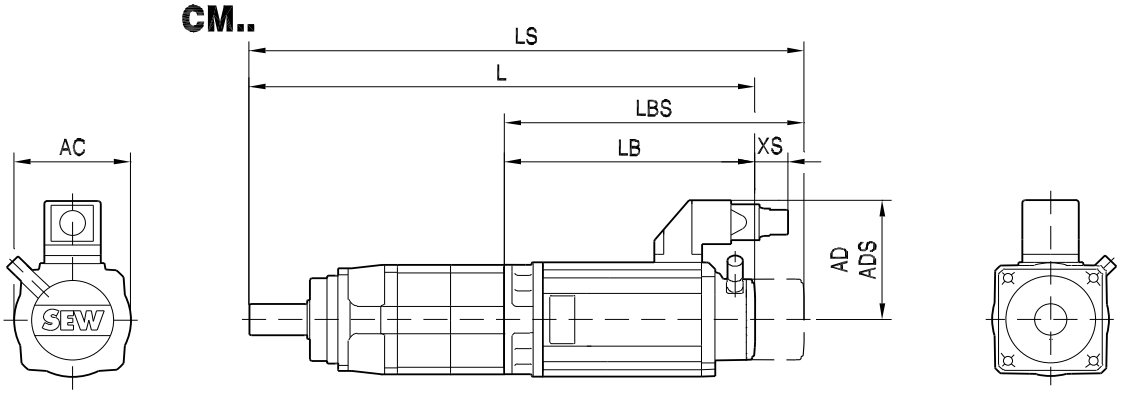
PSC



PSKC



CM..

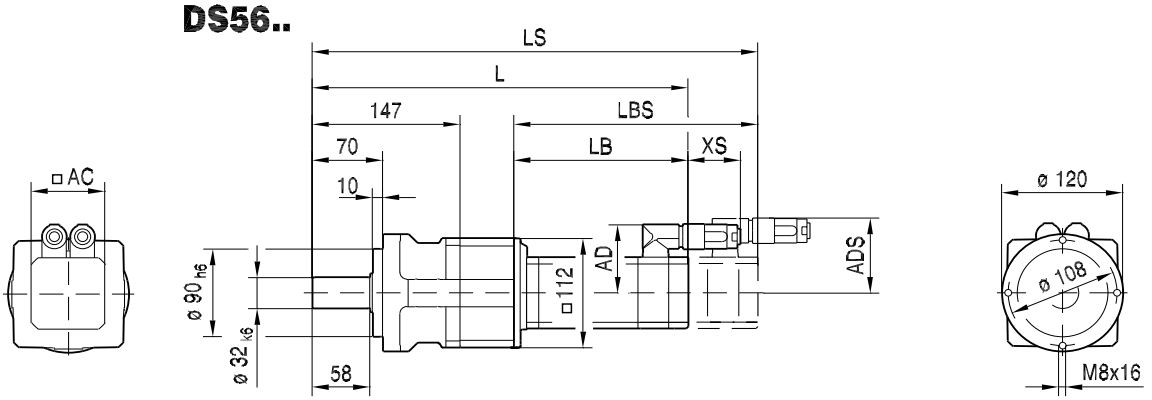


(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L				
AC	73	117	117	117	142	142	142				
AD	77	122	122	122	140	140	140				
ADS	77	122	122	122	140	140	140				
L	522	488	508	548	540	567	621				
LS	522	570	590	630	635	662	716				
LB	269	235	255	295	287	314	368				
LBS	269	317	337	377	382	409	463				
XS	51	45	45	45	50	50	50				

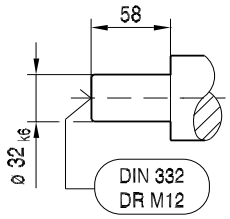
57 051 00 07

PSCZ521..

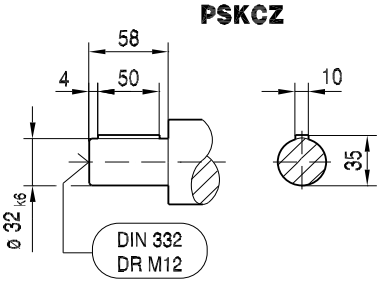
DS56..



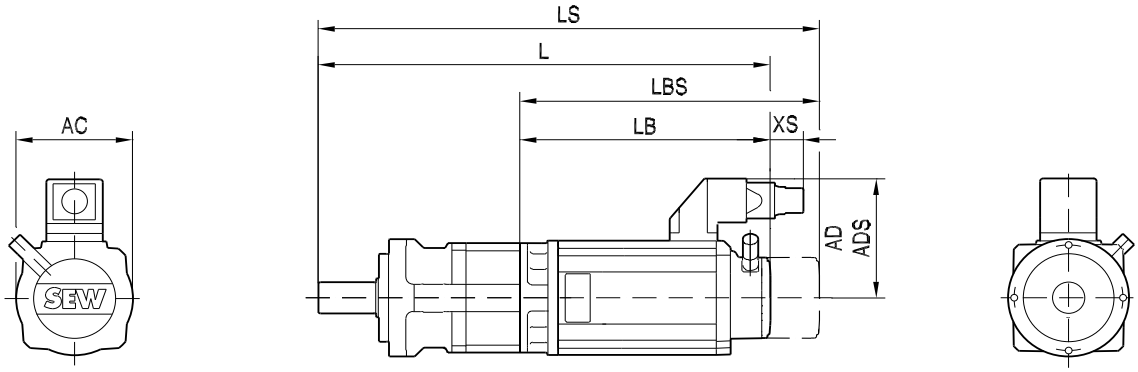
PSCZ



PSKCZ



CM..

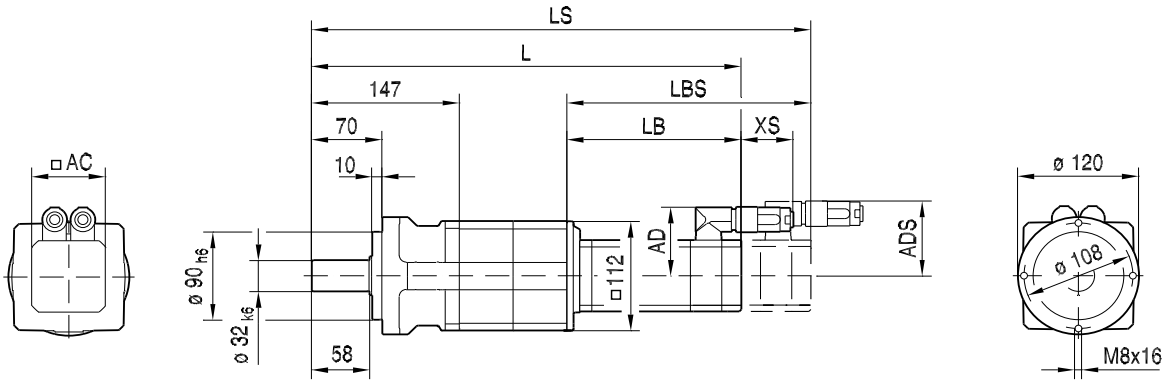


(→ 📖 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L				
AC	73	117	117	117	142	142	142				
AD	77	122	122	122	140	140	140				
ADS	77	122	122	122	140	140	140				
L	469	435	455	495	487	514	568				
LS	469	517	537	577	582	609	663				
LB	269	235	255	295	287	314	368				
LBS	269	317	337	377	382	409	463				
XS	51	45	45	45	50	50	50				

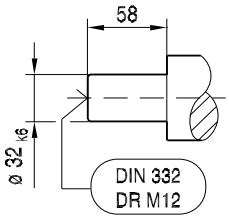
57 052 00 07

PSCZ522..

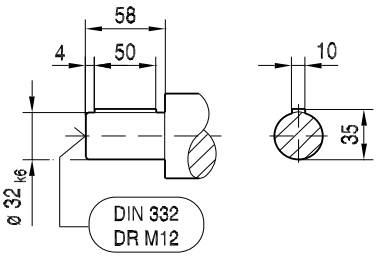
DS56..



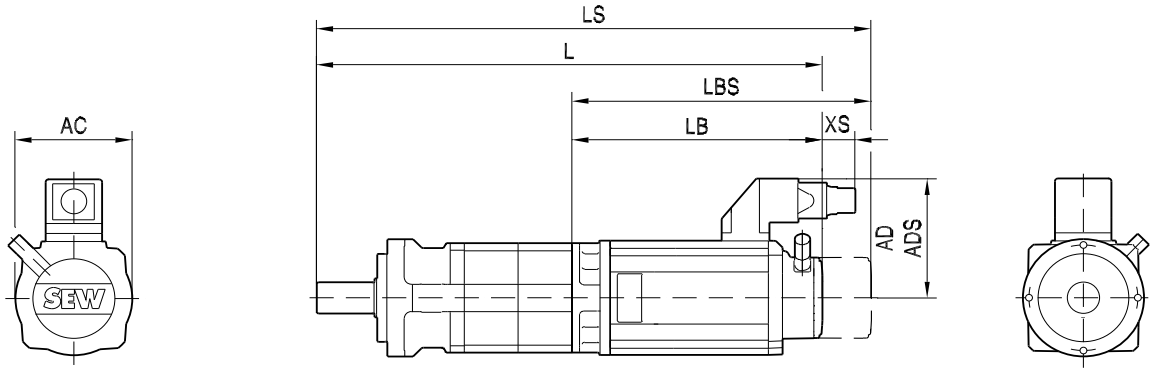
PSCZ



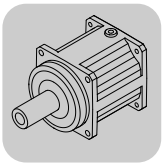
PSKCZ



CM..



(→ 150)	DS56H	CM71S	CM71M	CM71L	CM90S	CM90M	CM90L				
AC	73	117	117	117	142	142	142				
AD	77	122	122	122	140	140	140				
ADS	77	122	122	122	140	140	140				
L	522	488	508	548	540	567	621				
LS	522	570	590	630	635	662	716				
LB	269	235	255	295	287	314	368				
LBS	269	317	337	377	382	409	463				
XS	51	45	45	45	50	50	50				



15.8 PS.C621/622 / CMP / CM [Nm]

M_{aDyn} [Nm]		CMP	CM							
	i	63L	71L	90S	90M	90L	112S	112M	112L	112H
PSC621 1	5	150	155	196	258	374	407	>427	>427	>427
	7	211	218	274	362	>398	>398	>398		
	10	301	311	>380	>380	>380				
PSC622 2	25	>427	>427	>427	>427	>427	>427	>427	>427	>427
	35	>398	>398	>398	>398	>398	>398	>398		
	49	>398	>398	>398	>398	>398	>398	>398		
	50	>427	>427	>427	>427	>427				
	70	>398	>398	>398	>398	>398				
	100	>380	>380	>380	>380	>380				

m [kg]		CMP	CM							
	s	63L	71L	90S	90M	90L	112S	112M	112L	112H
PSC621	1	19	26	32	34	39	42	46	62	69
PSC622	2	25	31	37	40	45	47	51	67	74

				M1;M3;M5-6			M2			M4			φ
	i	n_{epk} [1/min]	η [%]	a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[']
PSC621 1	5	5000	99	1028.0	-1.462	0	1050.0	-1.528	0	1024.0	-1.567	0	10
	7	5000	99	1139.0	-1.828	0	1163.0	-1.895	0	1164.0	-2.016	0	10
	10	5000	99	1094.0	-1.884	0	1108.0	-1.918	0	1123.0	-2.071	0	10
PSC622 2	25	5000	98	2054.0	-14.465	0	2207.0	-16.130	0	2213.0	-16.299	0	15
	35	5000	98	2307.0	-18.628	0	2506.0	-20.911	0	2520.0	-21.172	0	15
	49	5000	98	3179.0	-35.478	0	3438.0	-39.458	0	3453.0	-39.784	0	15
	50	5000	98	6285.0	-89.733	0	6539.0	-98.165	0	6553.0	-98.609	0	15
	70	5000	98	3140.0	-37.381	0	3408.0	-41.677	0	3421.0	-42.001	0	15
	100	5000	98	4084.0	-68.968	0	4441.0	-76.856	0	4451.0	-77.198	0	15

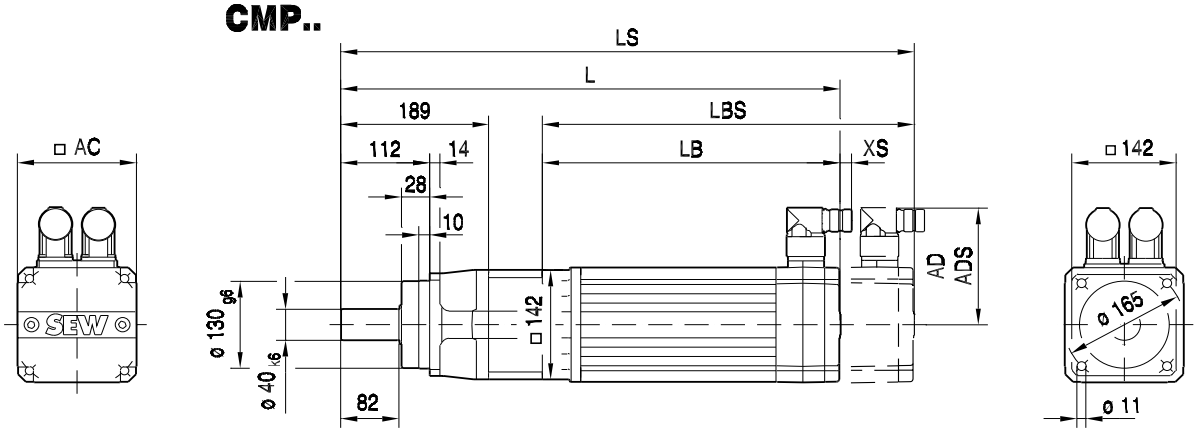
CMP / CM							c_T	F_{Ramax}	F_{Rapk}
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	J_G 10^{-4} [kgm^2]	PSC [Nm/']	PSC [N]	PSC [N]
PSC621 1	5	347	427	640	820	2.2	59.8	5390	11000
	7	323	398	597	929	1.2	54.8	6030	11000
	10	308	380	569	700	0.58	46.3	6790	11000
PSC622 2	25	347	427	640	280	1.8	51.47	9220	11000
	35	323	398	597	200	0.96	50.73	10300	11000
	49	323	398	597	143	0.94	47.92	11000	11000
	50	347	427	640	140	0.48	48.97	11000	11000
	70	323	398	597	100	0.46	46.67	11000	11000
	100	308	380	569	70	0.46	40.87	11000	11000

15.9 PS.C621/622 / CMP / CM [mm]

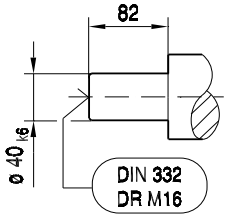
57 037 00 07

PSC621..

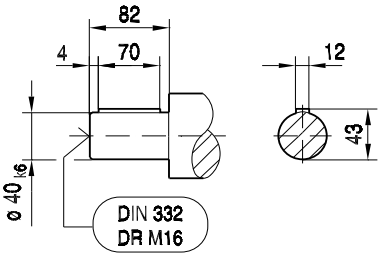
CMP..



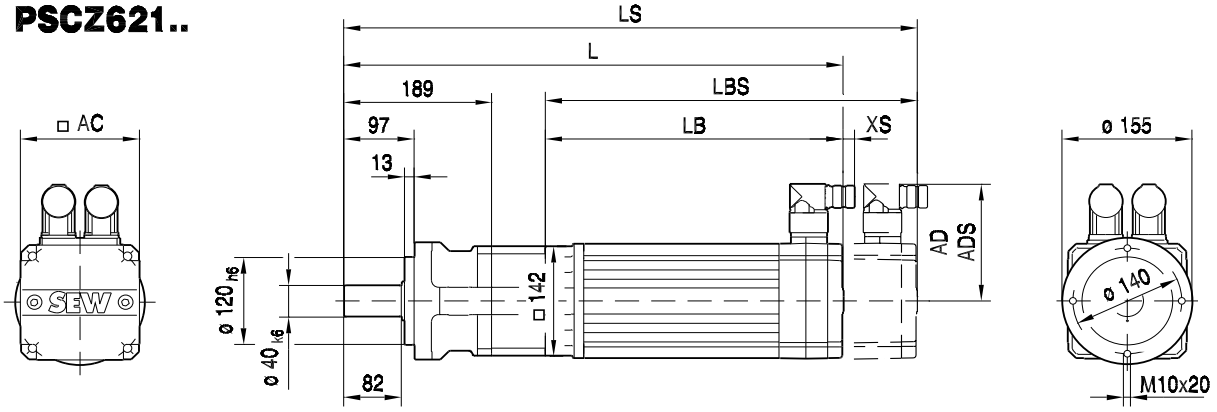
PSC / PSCZ



PSKC / PSKCZ



PSCZ621..

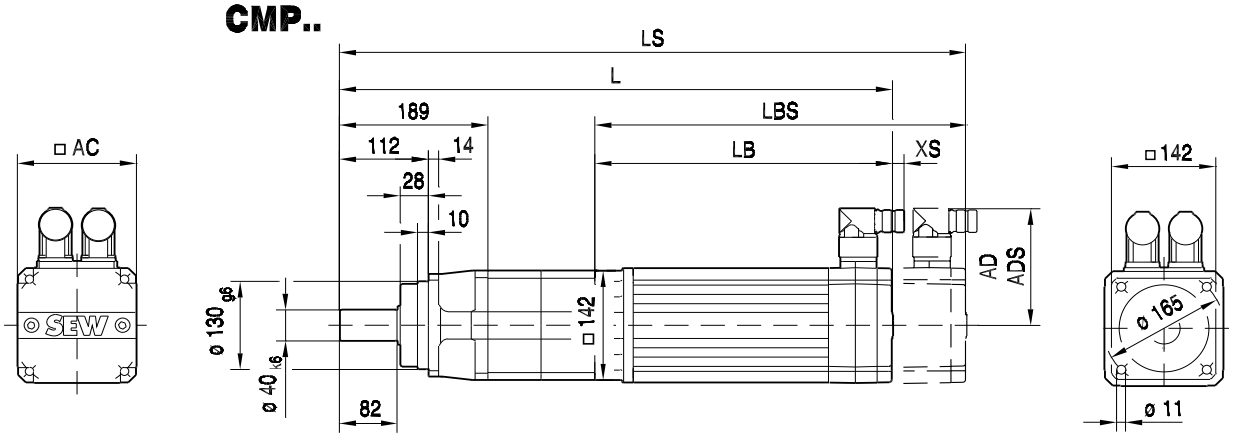


(→ 150)	CMP63L										
AC	88										
AD	92										
ADS	92										
L	516										
LS	545										
LB	268										
LBS	297										
XS	14										

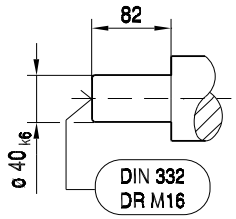
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PSC622..

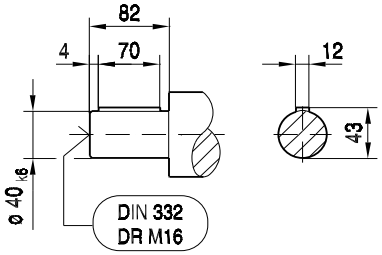
CMP..



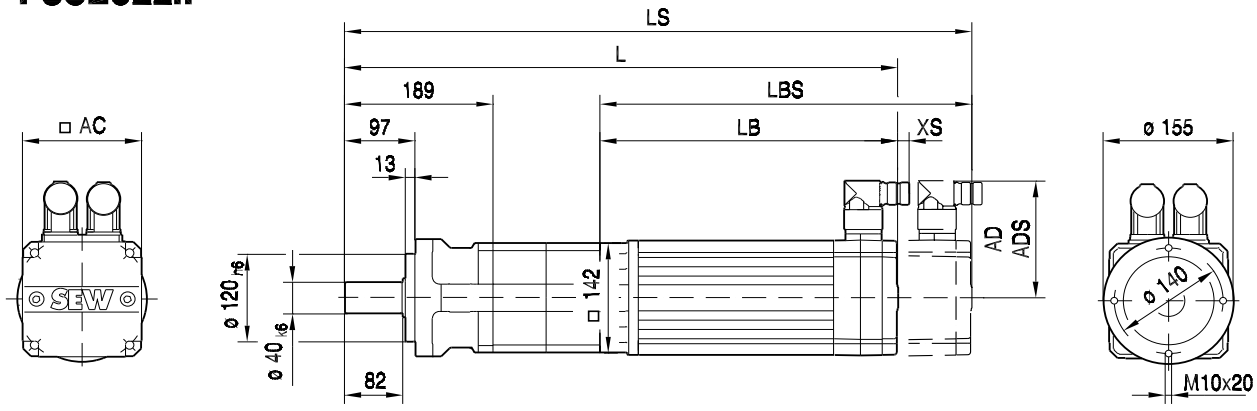
PSC / PSCZ



PSKC / PSCKZ



PSCZ622..

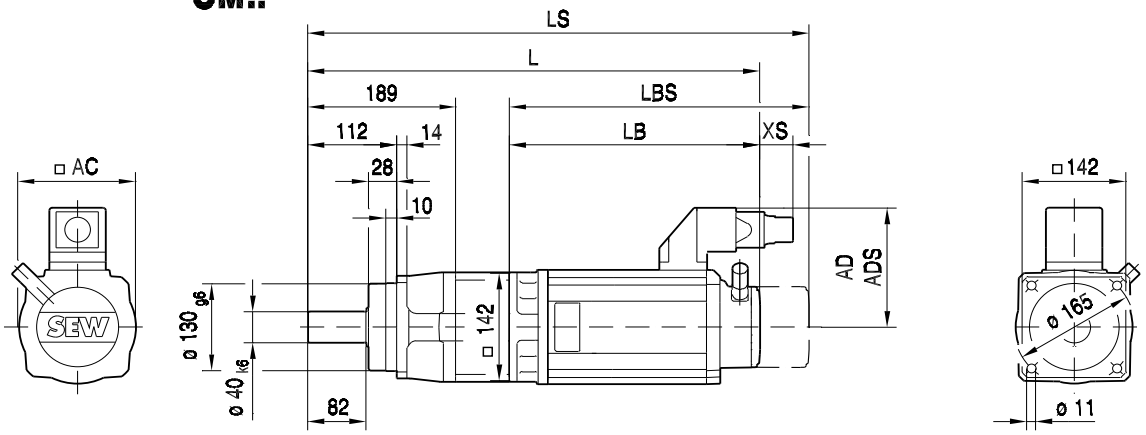


(→ 150)	CMP63L										
AC	88										
AD	92										
ADS	92										
L	575										
LS	604										
LB	268										
LBS	297										
XS	14										

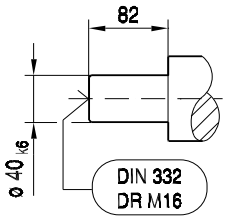
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PSC621..

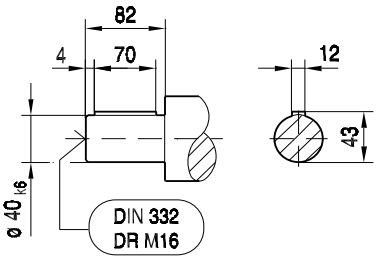
CM..



PSC



PSKC

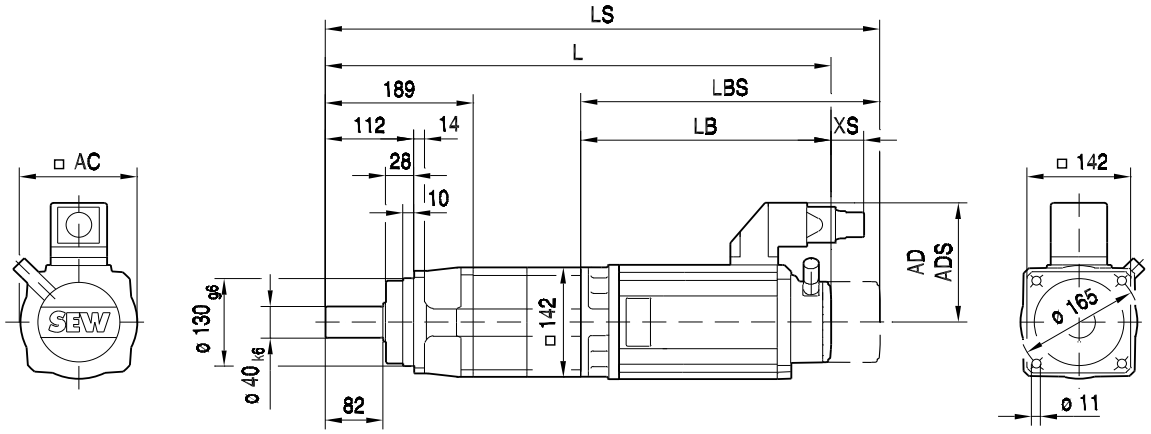


(→ 📖 150)	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H			
AC	117	142	142	142	186	186	186	186			
AD	122	140	140	140	162	162	162	162			
ADS	122	140	140	140	162	162	162	162			
L	534	527	554	608	561	588	645	771			
LS	617	622	649	703	652	679	736	836			
LB	287	279	306	360	314	341	398	523			
LBS	369	374	401	455	404	431	488	588			
XS	45	50	50	50	36	36	36	36			

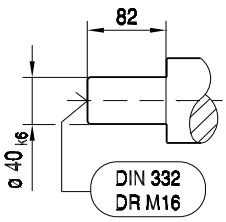
57 046 00 07

PSC622..

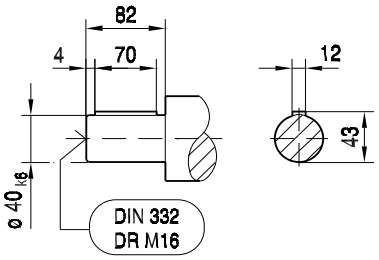
CM..



PSC



PSKC

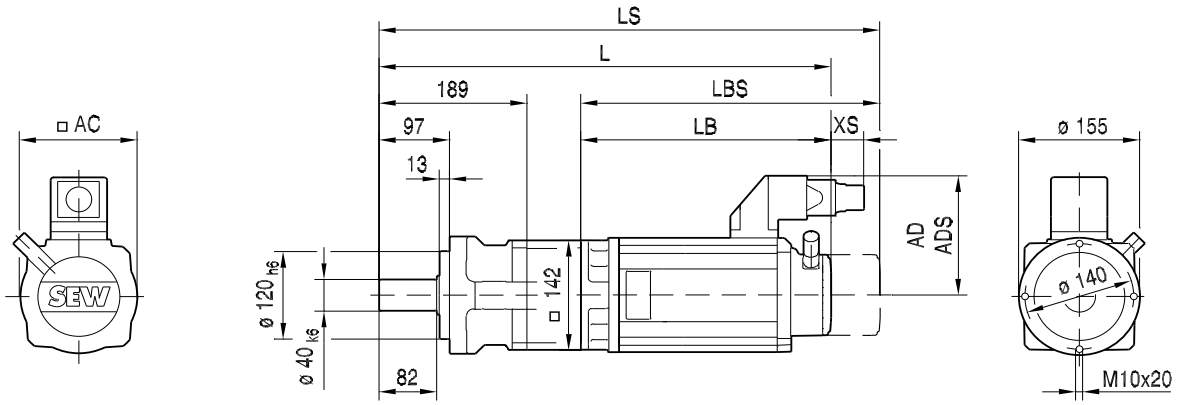


(→ 📖 150)	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H			
AC	117	142	142	142	186	186	186	186			
AD	122	140	140	140	162	162	162	162			
ADS	122	140	140	140	162	162	162	162			
L	594	586	613	667	621	648	705	830			
LS	676	681	708	762	711	738	795	895			
LB	287	279	306	360	314	341	398	523			
LBS	369	374	401	455	404	431	488	588			
XS	45	50	50	50	36	36	36	36			

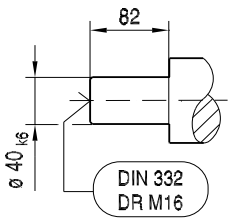
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PSCZ621

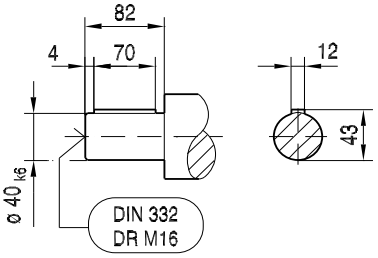
CM..



PSCZ



PSKCZ

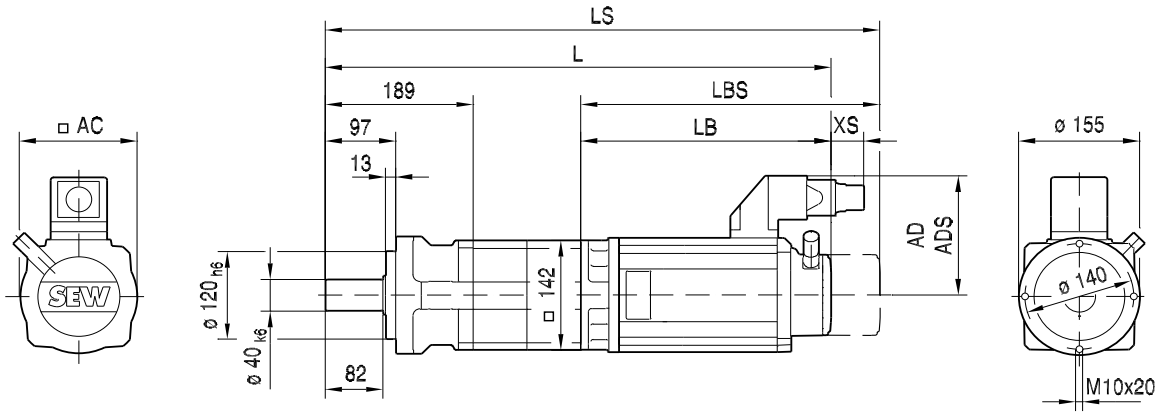


(→ 📖 150)	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H			
AC	117	142	142	142	186	186	186	186			
AD	122	140	140	140	162	162	162	162			
ADS	122	140	140	140	162	162	162	162			
L	534	527	554	608	561	588	645	771			
LS	617	622	649	703	652	679	736	836			
LB	287	279	306	360	314	341	398	523			
LBS	369	374	401	455	404	431	488	588			
XS	45	50	50	50	36	36	36	36			

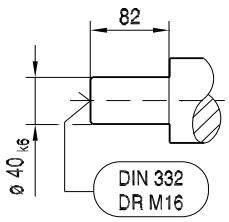
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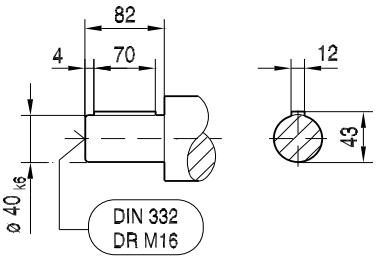
CM..



PSCZ



PSKCZ



(→ 📖 150)	CM71L	CM90S	CM90M	CM90L	CM112S	CM112M	CM112L	CM112H			
AC	117	142	142	142	186	186	186	186			
AD	122	140	140	140	162	162	162	162			
ADS	122	140	140	140	162	162	162	162			
L	594	586	613	667	621	648	705	830			
LS	676	681	708	762	711	738	795	895			
LB	287	279	306	360	314	341	398	523			
LBS	369	374	401	455	404	431	488	588			
XS	45	50	50	50	36	36	36	36			