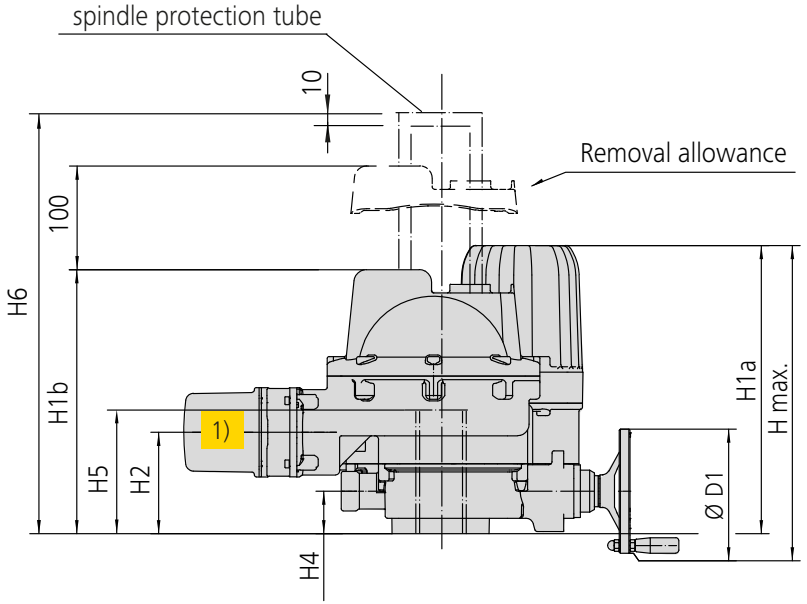
Actuator Dimensions

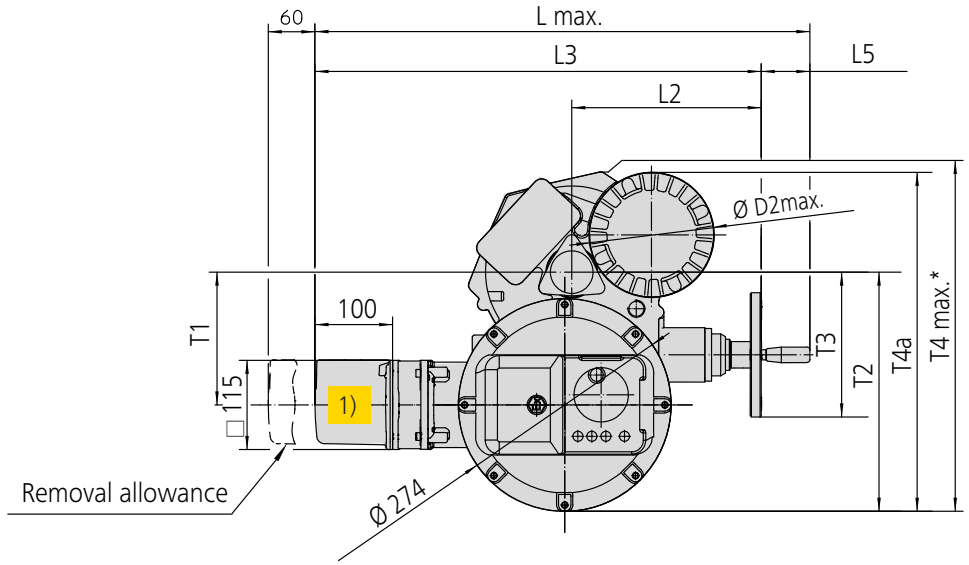
MULTI-TURN ACTUATOR x-matic

DREHMO
VALVE ACTUATORS

Actuator Models DiM Ex, DiMR Ex	30	59	60	120	249	250	500	1000	2000
Weight [kg]	23	25	33,5	33,5	33,5	69,5	80,5	90,5	190
Dimensions [mm]									
L max.	623	623	638	643	643	665	737	737	829
T4 max.	407	407	437	437	437	515	533	583	757
H max.	356	356	397	442	442	571	695	745	878
D1	Ø160	Ø160	Ø160	Ø250	Ø250	Ø250	Ø400	Ø500	Ø500
D2 max.	Ø127	Ø127	Ø160	Ø160	Ø160	Ø245	Ø245	Ø245	Ø245
H1a	325	325	371	371	371	492	542	542	730
H1b	322	322	340	340	340	390	390	390	449
H2	113	113	131	131	131	192	192	192	240
H4	49	49	55	55	55	69	69	69	124
H5	140	140	160	160	160	210	210	210	169
H6	250	250	270	270	270	452	452	452	500
	352	352	372	372	372	702	702	702	-
	452	452	472	472	472	952	952	952	-
	552	552	572	572	572	-	-	-	-
	652	652	672	672	672	-	-	-	-
L2	238	238	244	232	232	264	311	311	348
L3	560	560	575	563	563	586	632	632	725
L5	63	63	63	80	80	80	105	105	105
T1	162	162	171	171	171	169	169	169	251
T2	299	299	308	308	308	317	317	317	390
T3	178	178	187	232	232	260	335	385	450
T4a	407	407	437	437	437	515	515	515	697

1) Electrical connection size "S" as standard. Options available, refer to page 3.





* Depending on the device, the outer dimension is either defined by handwheel or housing.

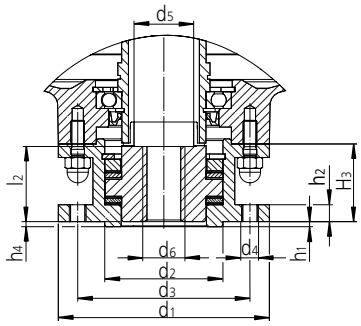
Connection Dimensions

MULTI-TURN ACTUATOR x-matic

DREHMO VALVE ACTUATORS

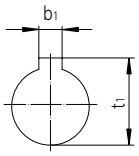
Actuator DiM Ex		30	59	60 120	249	250 500	1000	2000
Actuator DiMR Ex		30	59	60 120		250 500	1000	
size	DIN EN ISO 5210	F07	F10	F10	F14	F14	F16	F25
	DIN 3210	-	G0	G0	G1/2	G1/2	G3	-
Dimensions [mm]								
d1	FORM A	90	125	125	175	175	210	350
$d_{2\,f8}$	DIN EN ISO 5210	55	70	70	100	100	130	200
	DIN 3210	-	60	60	100	100	130	-
d_3		70	102	102	140	140	165	254
d_4	4 x	M8	M10	M10	M16	M16	M20	8 x M16
d_5		26	30	40.5	40.5	52.5	65.5	85
$d_{6\,max}$		24	28	40	40	52	65	85
$h_1 = h_4$		3	3	3	4	4	5	5
h_2		12	16	16	22	23	35	24
H_3		36	42	46	58	56	70	130
l_2		34	41	40	54	54	68.5	130

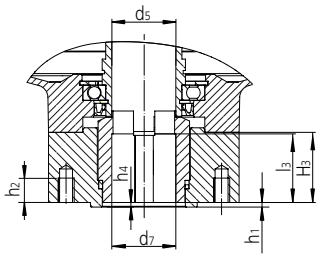
Output drive form A Stem nut for rising spindle



$b1^{JS9}$	FORM B1, B	8	12	12	18	18	22	28
d_5		26	30	40.5	40.5	52.5	65.5	85
$d_7{}^{H9}$	B1, B	28	42	42	60	60	80	100
$d_{7\,max}$	B2,B	28	42	42	60	65	80	100
H_3		36	46	46	70	66	81	130
$h_1 = h_4$		3	3	3	4	4	5	5
t_1	FORM B1, B	31.3	45.3	45.3	64.4	64.4	85.5	106.4

Output drive form B1, B2, B Plug bush for rising spindle *

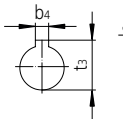


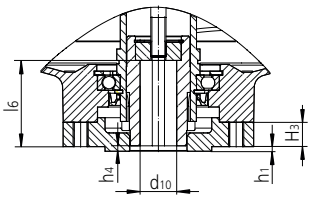


* missing dimensions see form A

$b4^{JS9}$	FORM B3, E	5	6	6	8	8	12	14
$d_{10}{}^{H9}$	B3, E	16	20	20	30	30	40	50
$d_{10\,max}$	B4, E	16	20	30	30	40	50	50
H3		18	17	16	22	23	28	30
$h_1 = h_4$		3	3	3	4	4	5	5
l_6		41	56	56	79	79	98	118
t_3	FORM B3, E	18.3	22.8	22.8	33.3	33.3	43.3	53.8

Output drive form B3, B4, E *

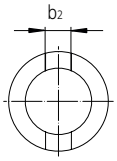


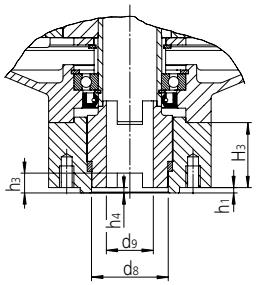


* missing dimensions see form A

$b2^{H11}$	FORM C	14	14	14	20	20	24	30
d_8		42	54	54	80	85	110	139.9
d_9		26	28	28	38	38	47	85
H_3		36	46	46	70	66	81	130
$h_1 = h_4$		3	3	3	4	4	5	5
h_3		11	11	11	14	14	17	16

Output drive form C claw coupling *

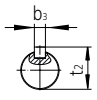


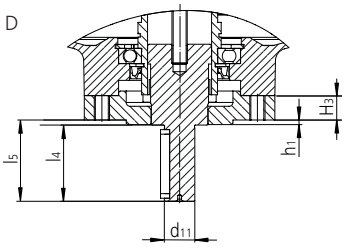


* missing dimensions see form A

$b3_{h9}$	FORM D	5	6	6	8	8	12	-
d_{11}		16	20	20	30	30	40	-
H3		18	17	16	22	23	28	30
h_1		3	3	3	4	4	5	5
l_4		40	50	50	70	70	90	-
l_5		45	55	55	76	76	96	-
t_2		18	22.5	22.5	33	33	43	-

Output drive form D shaft extension *





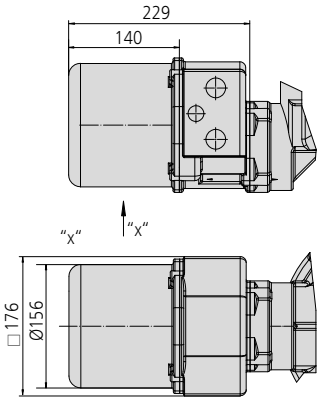
* missing dimensions see form A

Dimensions electrical connections

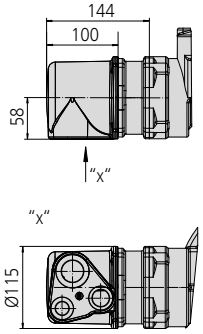
MULTI-TURN ACTUATOR x-matic

DREHMO VALVE ACTUATORS

„KLKA"

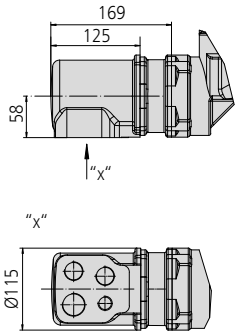


„S"



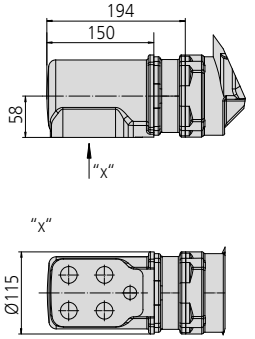
P105*

„SH"



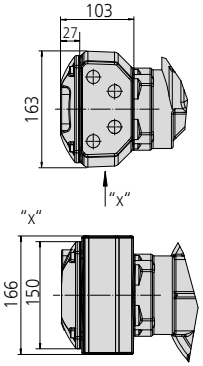
P148*

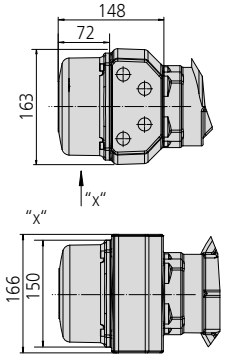
„SB"



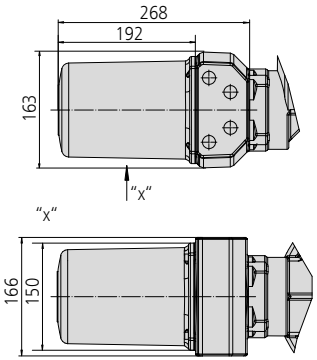
P188*

„KT Ex e"

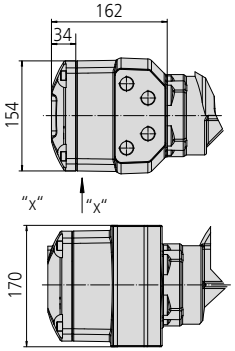


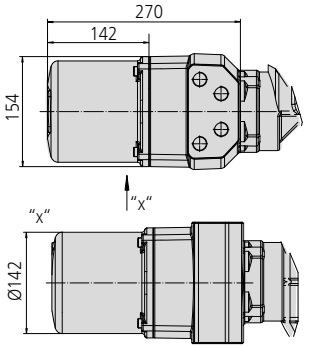


B07 P137*



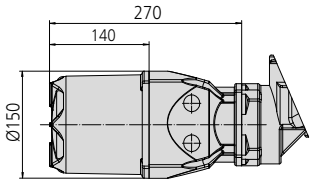
„KT Ex d"





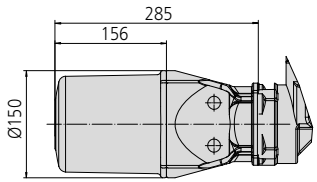
B08 P137A*

„KES Ex d"



B05 P108*

„KES Ex e"



B03 P137*

* Thread combination code
Alternative thread combinations available as option