Industrialcylinder
工业油缸
CIA 210
Combinations
系列

HYDRA tech

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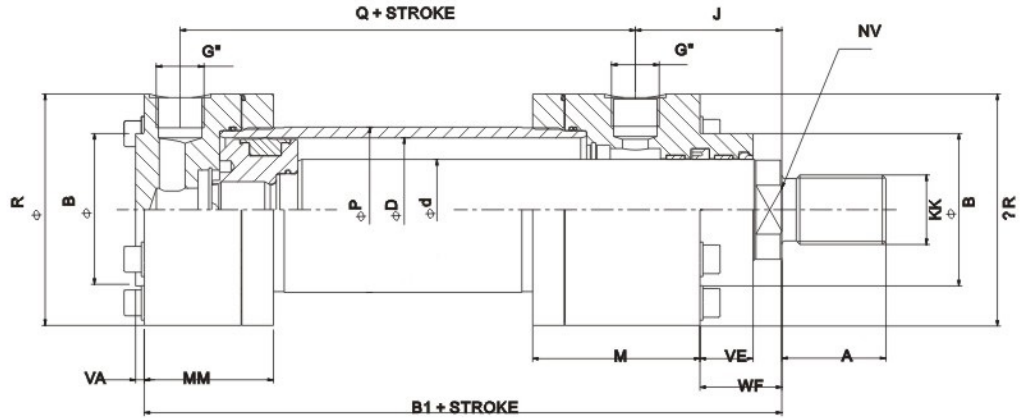
INDUSTRIALCYLINDER CIA 210 - BASIC B1

MENSIONAL TABLE

尺 寸 表



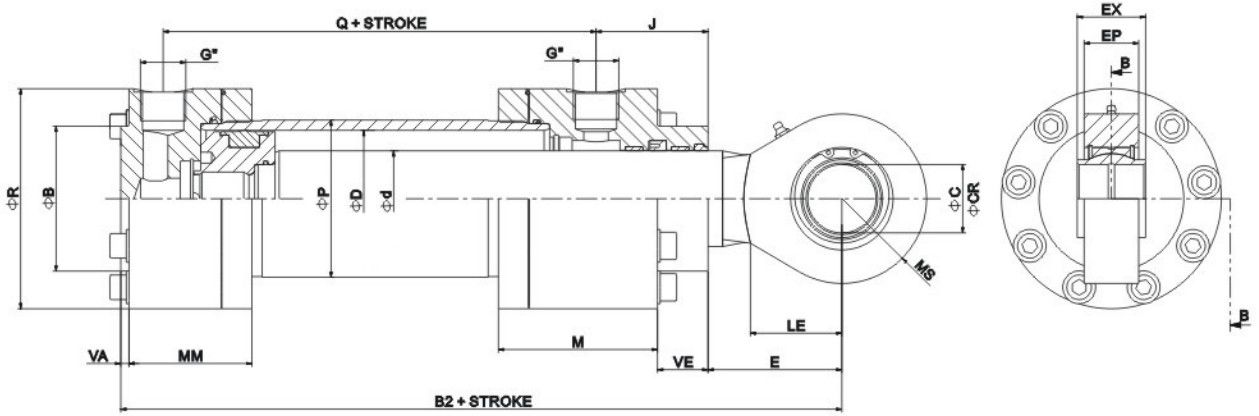
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B f8	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF	B1 MIN ±1	STROKE MIN
*40	22 28	M16×1,5 M20×1,5	22 28	50	1/2″	70	87	65	17 22	50	93	78	4	19	32	178	17
*50	28 36	M20×1,5 M27×2	28 36	60	1/2″	75	91	70	22 28	62	93	94	4	24	38	186	20
*63	36 45	M27×2 M33×2	36 45	70	3/4″	78	90	74	28 36	75	101	112	5	29	45	200	20
*80	45 56	M33×2 M42×2	45 56	85	3/4″	88	97	82	36 46	95	117	133	5	36	54	226	20
*100	56 70	M42×2 M48×2	56 63	106	1″	102	114	88	46 60	115	117	161	6	37	57	244	32
125	70 90	M48×2 M64×3	63 85	132	1″	121	148	109	60 75	145	146	198	6	37	60	291	37
160	90 110	M64×3 M80×3	85 95	160	1 1/4″	125	152	120	75 90	185	167	246	7	41	66	323	22
200	110 140	M80×3 M100×3	95 112	200	1 1/4″	151	189	151	90 120	230	206	296	8	45	75	388	43

Measure: All outside measurements observe the ISO 6020 - 1 standard. The installation dimension are according to HYDRA tech s standard.
If installation dimensions are requesions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as ISO standard cylinder ϕ40 up to ϕ100

INDUSTRIALCYLINDER CIA 210 - BASIC B2

MENSIONAL TABLE
尺 寸 表



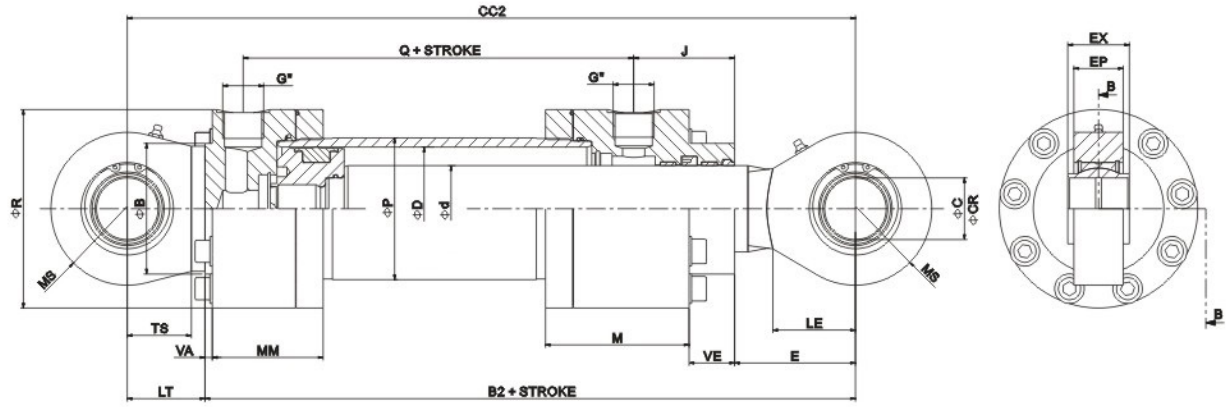
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	B f8	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE	E	LE	MS −1,2 −0,6	EP +0,7 −0,5	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	CH −0,012 RUSTFRI STAINLESS	EX −0,12 RUSTFRI STAINLESS	H2 MIN ±1	STROKE MIN
*40	22 28	50	1/2"	57	87	65	50	93	78	4	19	40	21	25	18	20	20	20	16	209	17
*50	28 36	60	1/2"	61	91	70	62	93	94	4	24	50	30	32	22	25	25	25	20	226	20
*63	36 45	70	3/4"	62	90	74	75	101	112	5	29	62	42	40	25	32	32	30	22	251	20
*80	45 56	85	3/4"	70	97	82	95	117	133	5	36	80	46	50	30	40	40	40	28	293	20
*100	56 70	106	1"	82	114	88	115	117	161	6	37	98	68	62	40	50	50	50	35	328	32
125	70 90	132	1"	98	148	109	145	146	198	6	37	110	71	70	50	63	63	Note: Special joint bearing dimensions in stainless steel.		384	37
160	90 110	160	1 1/4"	100	152	120	185	167	246	7	41	127	93	90	70	80	80			432	22
200	110 140	200	1 1/4"	121	189	151	230	206	296	8	45	179	121	110	80	100	100			545	43

Measure: All outside measurements observe the ISO 6020 - 1 standard. The installation dimension are according to HYDRA tech s standard.
If installation dimensions are requesions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as ISO standard cylinder ϕ40 up to ϕ100

INDUSTRIALCYLINDER CIA 210 - CC2

MENSIONAL TABLE
尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

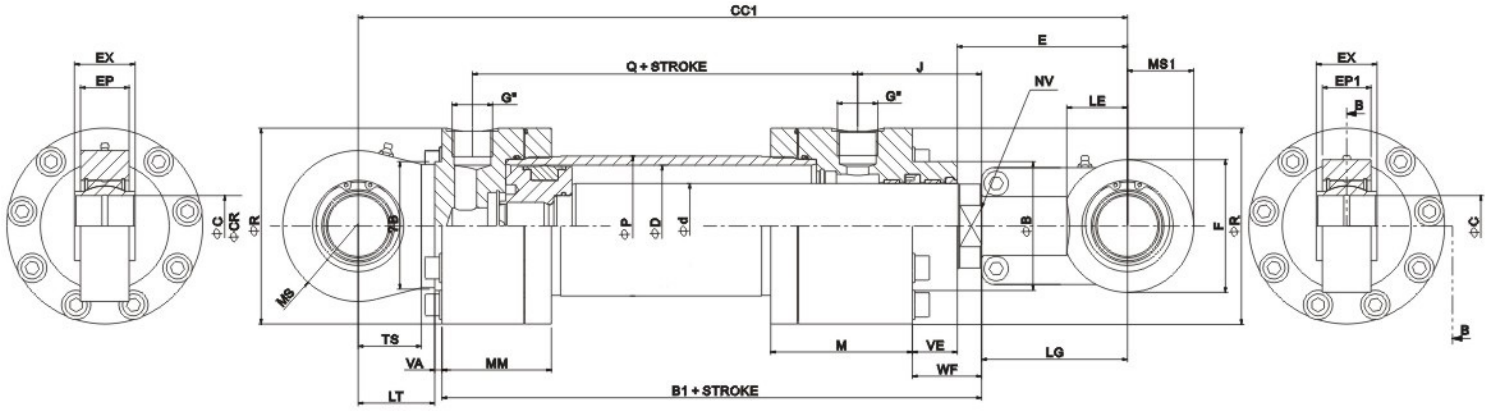
ØD CYL DIA	Ød ROD	B f8	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE	E	LE	MS ±1,2 −0,6	EP ±0,7 −0,5	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	CR −0,012 RUSTFRI STAINLESS	EX −0,12 RUSTFRI STAINLESS	LT MIN	H	TS	B2 MIN ±1	CC2 MIN ±1
*40	22 28	50	1/2″	57	87	65	50	93	78	4	19	40	21	25	18	20	20	20	16	27	45	22	209	236
*50	28 36	60	1/2″	61	91	70	62	93	94	4	24	50	30	32	22	25	25	25	20	32	55	26	226	258
*63	36 45	70	3/4″	62	90	74	75	101	112	5	29	62	42	40	25	32	32	30	22	40	65	33	251	291
*80	45 56	85	3/4″	70	97	82	95	117	133	5	36	80	46	50	30	40	40	40	28	50	78	40	293	343
*100	56 70	106	1″	82	114	88	115	117	161	6	37	98	68	62	40	50	50	50	35	63	97	51	328	391
125	70 90	132	1″	98	148	109	145	146	198	6	37	110	71	70	50	63	63	Note: Special joint bearing dimensions,in stainless steel		70	120	58	384	454
160	90 110	160	1 1/4″	100	152	120	185	167	246	7	41	127	93	90	70	80	80			90	142	76	432	522
200	110 140	200	1 1/4″	121	189	151	230	206	296	8	45	179	121	110	80	100	100			110	182	94	545	655

Measure: All outside measurements observe the ISO 6020-1 standard.The installation dimension are according to ISO 6020-2
CIA 210 type R is a complete stainless cylinder,- can be delivered as an ISO standard cylinder ϕ 40 up to ϕ 100.

INDUSTRIALCYLINDER CIA 210 -CC1

MENSIONAL TABLE

尺 寸 表



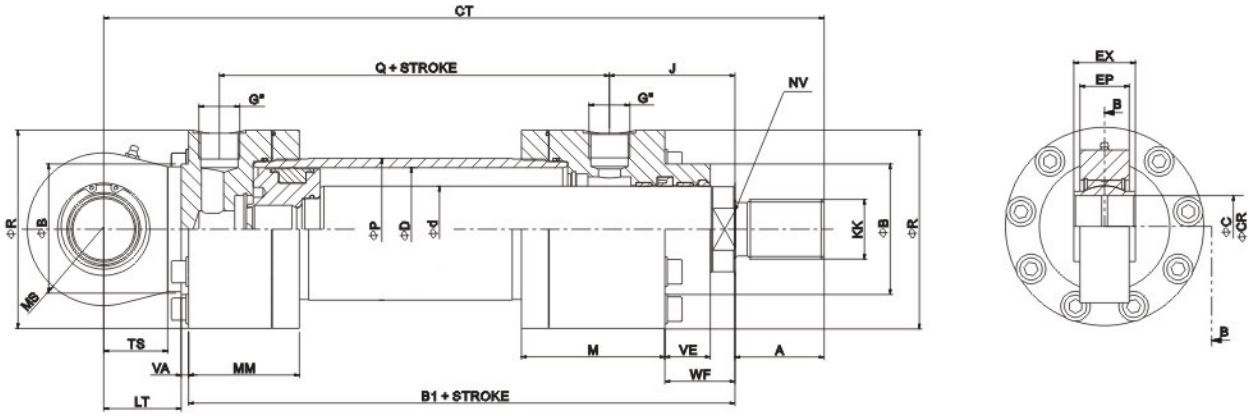
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	J	G ISO 1179	M ±1	MM ±1	NV	Q	R	VA	VE	WF	LE	LT MIN	H	MS +1,2 −0,6	TS	EP +0,7 −0,5	C H7	EX h12	EP1 +0,7 −0,5	F	LG	MS1	E +5 +0	B1 MIN ±1	MIN +5 +0
																				LO	STEEL/STAL							
*40	22 28	M16×1,5 M16×1,5	22 22	70	1/2"	87	65	17 22	93	78	4	19	32	22	27	45	25	22	18	20	20	17	47	52	23	65	178	261
*50	28 36	M20×1,5 M20×1,5	28 28	75	1/2"	91	70	22 28	93	94	4	24	38	27	32	55	32	26	22	25	25	21	58	65	29	79	186	287
*63	36 45	M27×2 M27×2	36 36	78	3/4"	90	74	28 36	101	112	5	29	45	32	40	65	40	33	25	32	32	27	70	80	35	96	200	325
*80	45 56	M33×2 M33×2	45 45	88	3/4"	97	82	36 46	117	133	5	36	54	41	50	78	50	40	30	40	40	32	89	97	44	115	226	378
*100	56 70	M42×2 M42×2	56 56	102	1"	114	88	46 60	117	161	6	37	57	50	63	97	62	51	40	50	50	40	108	120	54	140	244	433
125	70 90	M48×2 M48×3	63 63	121	1"	148	109	60 75	146	198	6	37	60	62	70	120	70	58	50	63	63	52	132	140	71	163	291	507
160	90 110	M64×3 M64×3	85 85	125	1 1/4"	152	120	75 90	167	246	7	41	66	78	90	142	90	76	70	80	80	66	168	180	90	205	323	600
200	110 140	M80×3 M80×3	95 95	151	1 1/4"	189	151	90 120	206	296	8	45	75	98	110	182	110	94	80	100	100	84	210	210	112	240	388	716

Measure: All outside measurements observe the ISO 6020 - 1 standard. The installation dimension are according to HYDRA tech s standard.
If installation dimensions are requesions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as ISO standard cylinder Φ40 up to Φ100

INDUSTRIALCYLINDER CIA 210 -CT

MENSIONAL TABLE
尺 寸 表



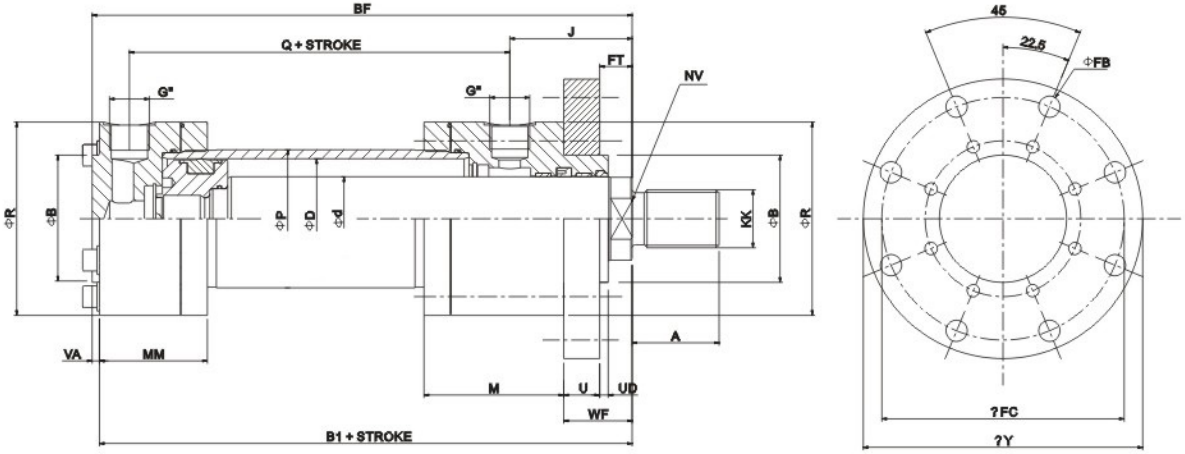
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B f8	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF	CR -0,012 RUSTFRI STAINILESS	EX -0,12 RUSTFRI STAINILESS	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	EP +0,7 -0,5	LT MIN	H	MS +1,2 -0,6	TS	B1 MIN ±1	CT MIN ±1
*40	22 28	M16×1,5 M20×1,5	22 28	50	1/2″	70	87	65	17 22	50	93	78	4	19	32	20	16	20	20	18	27	45	25	22	178	209
*50	28 36	M20×1,5 M27×2	28 36	60	1/2″	75	91	70	22 28	62	93	94	4	24	38	25	20	25	25	22	32	55	32	26	186	222
*63	36 45	M27×2 M33×2	36 45	70	3/4″	78	90	74	28 36	75	101	112	5	29	45	30	22	32	32	25	40	65	40	33	200	245
*80	45 56	M33×2 M42×2	45 56	85	3/4″	88	97	82	36 46	95	117	133	5	36	54	40	28	40	40	30	50	78	50	40	226	281
*100	56 70	M42×2 M48×2	56 63	106	1″	102	114	88	46 60	115	117	161	6	37	57	50	35	50	50	40	63	97	62	51	244	313
125	70 90	M48×2 M64×3	63 85	132	1″	121	148	109	60 75	145	146	198	6	37	60	Note: Special joint bearing dimen-sions,in stain-stainless steel		63	63	50	70	120	70	58	291	367
160	90 110	M64×3 M80×3	85 95	160	1 1/4″	125	152	120	75 90	185	167	246	7	41	66			80	80	70	90	142	90	76	323	420
200	110 140	M80×3 M100×3	95 112	200	1 1/4″	151	189	151	90 120	230	206	296	8	45	75			100	100	80	110	182	110	94	388	506

Measure: All outside measurements observe the ISO 6020 - 1 standard. The installation dimension are according to HYDRA tech s standard.
If installation dimensions are requesions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as ISO standard cylinder ϕ 40 up to ϕ 100

INDUSTRIALCYLINDER CIA 210 -F1T

MENSIONAL TABLE
尺 寸 表



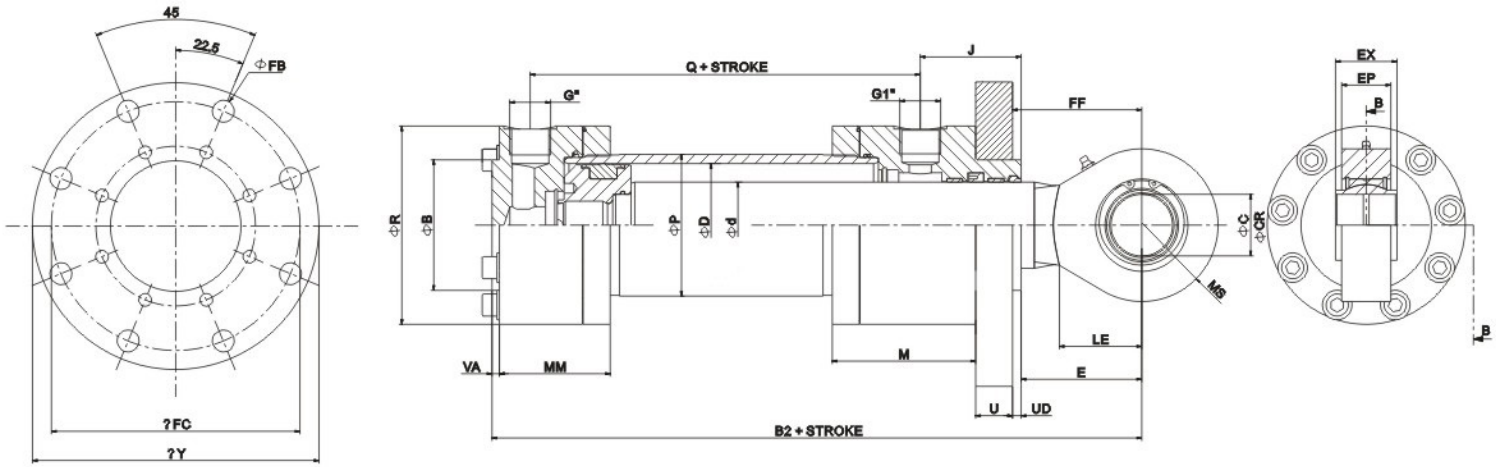
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B f8	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF	b E9	FB ISO 273	FC Js13	U	UD	Y	FT MIN ±0,5	BE MIN ±1
*40	22 28	M16×1,5 M20×1,5	22 28	50	1/2″	70	87	65	17 22	50	93	78	4	19	32	50	8x⌀9	106	16	3	125	16	182
*50	28 36	M20×1,5 M27×2	28 36	60	1/2″	75	91	70	22 28	62	93	94	4	24	38	60	8x⌀11	126	20	4	150	18	190
*63	36 45	M27×2 M33×2	36 45	70	3/4″	78	90	74	28 36	75	101	112	5	29	45	70	8x⌀14	145	25	4	175	20	205
*80	45 56	M33×2 M42×2	45 56	85	3/4″	88	97	82	36 46	95	117	133	5	36	54	85	8x⌀18	165	32	4	200	22	231
*100	56 70	M42×2 M48×2	56 63	106	1″	102	114	88	46 60	115	117	161	6	37	57	106	8x⌀22	200	32	5	245	25	250
125	70 90	M48×2 M64×3	63 85	132	1″	121	148	109	60 75	145	146	198	6	37	60	132	8x⌀22	235	32	5	280	28	297
160	90 110	M64×3 M80×3	85 95	160	1 1/4″	125	152	120	75 90	185	167	246	7	41	66	160	8x⌀22	280	36	5	330	30	330
200	110 140	M80×3 M100×3	95 112	200	1 1/4″	151	189	151	90 120	230	206	296	8	45	75	200	8x⌀26	340	40	5	390	35	396

Measure: All outside measurements observe the ISO 6020 - 1 standard. The installation dimension are according to HYDRA tech s standard.
If installation dimensions are requesions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as ISO standard cylinder ϕ40 up to ϕ100

INDUSTRIALCYLINDER CIA 210 -F1C2

MENSIONAL TABLE
尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

Ø D CYL DIA	Ød ROD	B	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE
*40	22 28	50	1/2"	57	87	65	50	93	78	4	19
*50	28 36	60	1/2"	61	91	70	62	93	94	4	24
*63	36 45	70	3/4"	62	90	74	75	101	112	5	29
*80	45 56	85	3/4"	70	97	82	95	117	133	5	36
*100	56 70	106	1"	82	114	88	115	117	161	6	37
125	70 90	132	1"	98	148	109	145	146	198	6	37
160	90 110	160	1 1/4"	100	152	120	185	167	246	7	41
200	110 140	200	1 1/4"	121	189	151	230	206	296	8	45

E	LE	MS +1,2 - 0,6	EP +1,2 - 0,6	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	CR -0.012 RUSTFRI STAINLESS	EX -0.12 RUSTFRI STAINLESS
40	21	25	18	20	20	20	16
50	30	32	22	25	25	25	20
62	42	40	25	32	32	30	22
80	46	50	30	40	40	40	28
98	68	62	40	50	50	50	35
110	71	70	50	63	63	Note: Special joint bearing dimensions,in stainless steel	
127	93	90	70	80	80		
179	121	110	80	100	100		

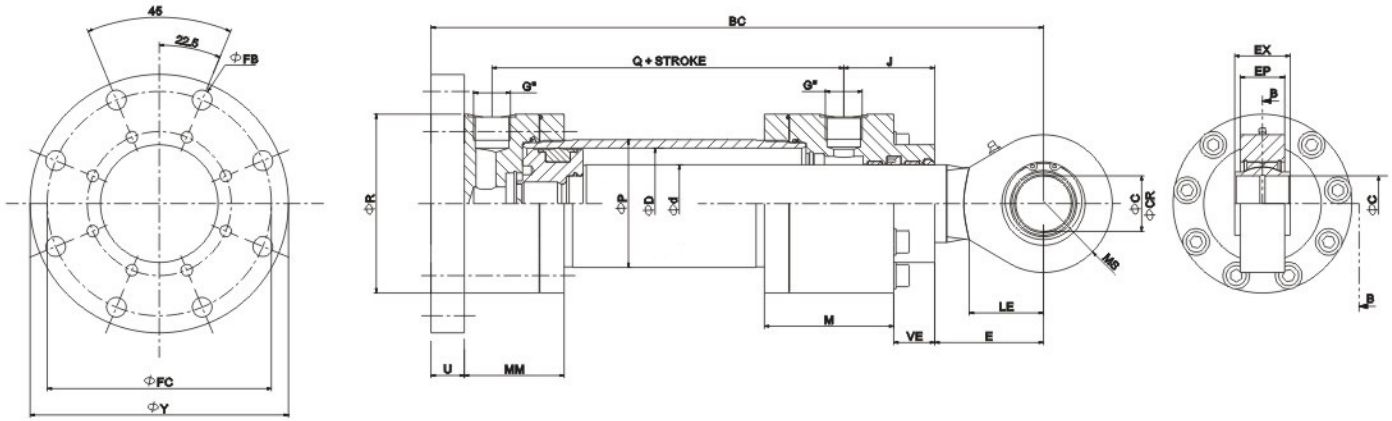
FB ISO 273	FC J≥13	Y	U	UD	B2 MIN ±1	FF MIN ±0,5
8x⌀9	106	125	16	3	209	43
8x⌀11	126	150	20	4	226	54
8x⌀14	145	175	25	4	251	66
8x⌀18	165	200	32	4	293	84
8x⌀22	200	245	32	5	328	103
8x⌀22	235	280	32	5	384	115
8x⌀22	280	330	36	5	432	132
8x⌀26	340	390	40	5	545	184

Measure: All outside meaguremernts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder ⌀up to ⌀100.

INDUSTRIALCYLINDER CIA 210 -F2C2

MENSIONAL TABLE

尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

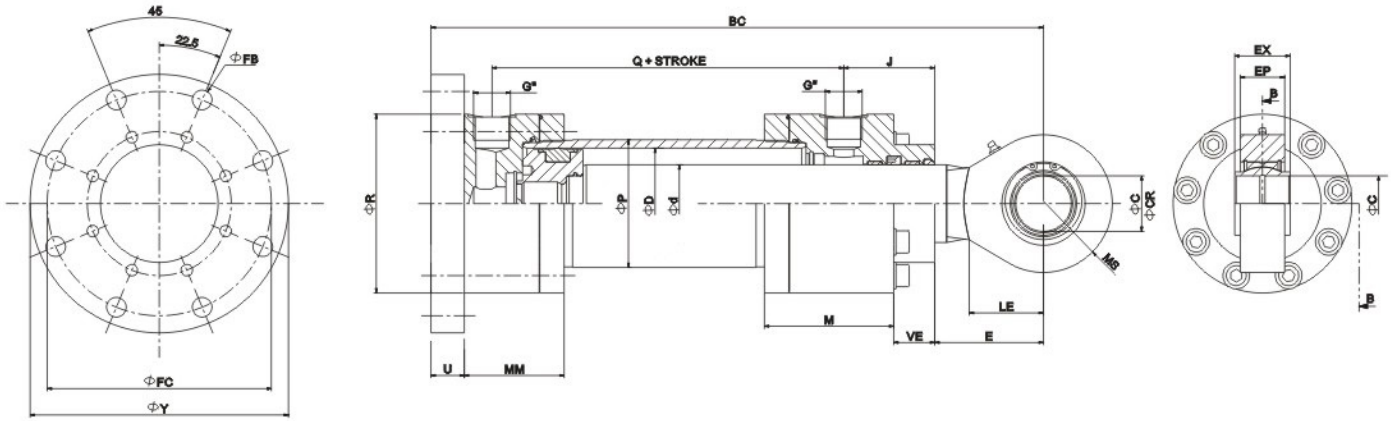
ØD CYL DIA	Ød ROD	B	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE	E	LE	MS +1.2 - 0.6	EP +0.7 - 0.5	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	CR -0,012 RUSTFRI STAINI ESS	EX -0,12 RUSTFRI STAINI ESS	FB ISO 273	FC Js13	U	Y	BC MIN ±1
*40	22 28	50	1/2"	57	87	65	50	93	78	4	19	40	21	25	18	20	20	20	16	8x⌀9	106	16	125	221
*50	28 36	60	1/2"	61	91	70	62	93	94	4	24	50	30	32	22	25	25	25	20	8x⌀11	126	20	150	242
*63	36 45	70	3/4"	62	90	74	75	101	112	5	29	62	42	40	25	32	32	30	22	8x⌀14	145	25	175	271
*80	45 56	85	3/4"	70	97	82	95	117	133	5	36	80	46	50	30	40	40	40	28	8x⌀18	165	32	200	320
*100	56 70	106	1"	82	114	88	115	117	161	6	37	98	68	62	40	50	50	50	35	8x⌀22	200	32	245	354
125	70 90	132	1"	98	148	109	145	146	198	6	37	110	71	70	50	63	63	Note: Special joint bearing dimen-sions,in stain-less steel		8x⌀22	235	32	280	410
160	90 110	160	1 1/4"	100	152	120	185	167	246	7	41	127	93	90	70	80	80			8x⌀22	280	36	330	461
200	110 140	200	1 1/4"	121	189	151	230	206	296	8	45	179	121	110	80	100	100			8x⌀26	340	40	390	577

Measure: All outside meagurememts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder ⌀ up to ⌀100.

INDUSTRIALCYLINDER CIA 210 -F2C2

MENSIONAL TABLE

尺 寸 表



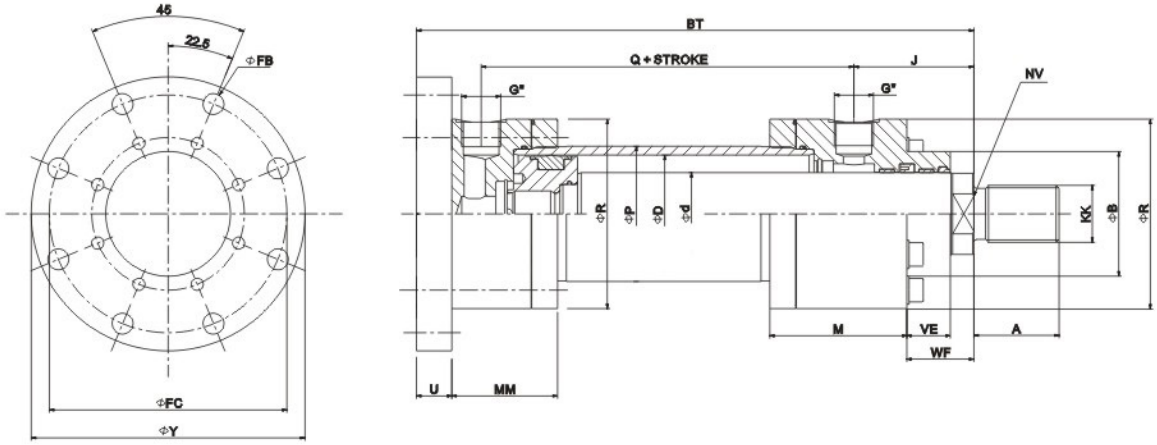
Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	B	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE	E	LE	MS +1.2 - 0.6	EP +0.7 - 0.5	C H7 LO STEEL/STAL	EX h12 LO STEEL/STAL	CR -0,012 RUSTFRI STAINI ESS	EX -0,12 RUSTFRI STAINI ESS	FB ISO 273	FC Js13	U	Y	BC MIN ±1
*40	22 28	50	1/2"	57	87	65	50	93	78	4	19	40	21	25	18	20	20	20	16	8x•9	106	16	125	221
*50	28 36	60	1/2"	61	91	70	62	93	94	4	24	50	30	32	22	25	25	25	20	8x•11	126	20	150	242
*63	36 45	70	3/4"	62	90	74	75	101	112	5	29	62	42	40	25	32	32	30	22	8x•14	145	25	175	271
*80	45 56	85	3/4"	70	97	82	95	117	133	5	36	80	46	50	30	40	40	40	28	8x•18	165	32	200	320
*100	56 70	106	1"	82	114	88	115	117	161	6	37	98	68	62	40	50	50	50	35	8x•22	200	32	245	354
125	70 90	132	1"	98	148	109	145	146	198	6	37	110	71	70	50	63	63	Note: Special joint bearing dimen-sions,in stain-less steel		8x•22	235	32	280	410
160	90 110	160	1 1/4"	100	152	120	185	167	246	7	41	127	93	90	70	80	80			8x•22	280	36	330	461
200	110 140	200	1 1/4"	121	189	151	230	206	296	8	45	179	121	110	80	100	100			8x•26	340	40	390	577

Measure: All outside meagurememts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder Φ up to Φ100.

INDUSTRIALCYLINDER CIA 210 -F2T

MENSIONAL TABLE
尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

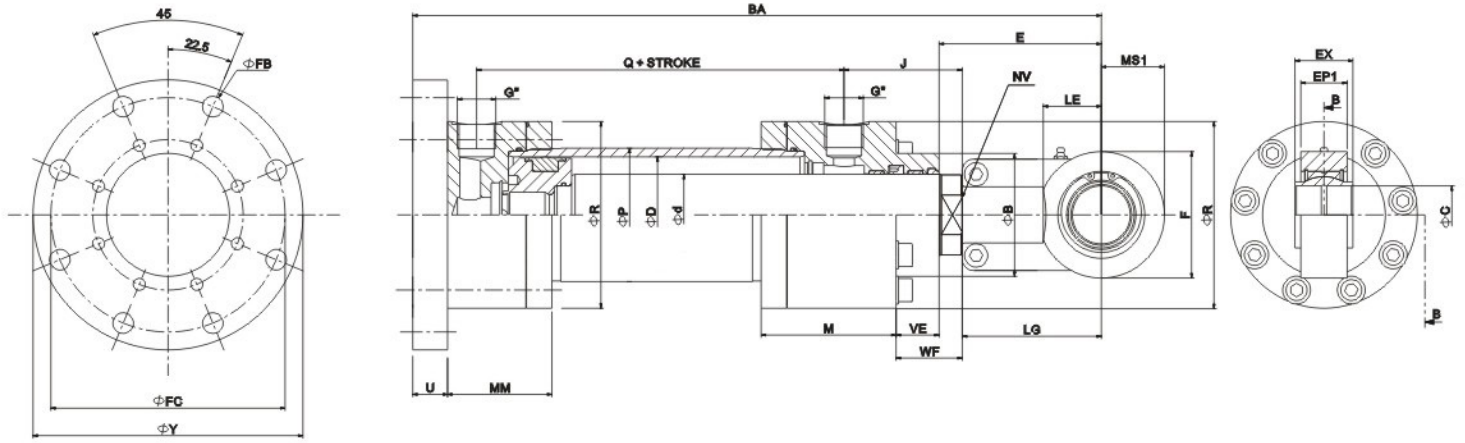
ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF	FB ISO 273	FC J813	U	Y	BT MIN ±1
*40	22 28	M16x1,5 M16x1,5	22 28	50	1/2"	70	87	65	17 22	50	93	78	4	19	32	8xø9	106	16	125	194
*50	28 36	M20x1,5 M27x2	28 36	60	1/2"	75	91	70	22 28	62	93	94	4	24	38	8xø11	126	20	150	206
*63	36 45	M27x2 M33x2	36 45	70	3/4"	78	90	74	28 36	75	101	112	5	29	45	8xø14	145	25	175	225
*80	45 56	M33x2 M43x2	45 56	85	3/4"	88	97	82	36 46	95	117	133	5	36	54	8xø18	165	32	200	258
*100	56 70	M42x2 M48x2	56 63	106	1"	102	114	88	46 60	115	117	161	6	37	57	8xø22	200	32	245	276
125	70 90	M48x2 M64x3	63 85	132	1"	121	148	109	60 75	145	146	198	6	37	60	8xø22	235	32	280	323
160	90 110	M64x3 M80x3	85 95	160	1 1/4"	125	152	120	75 90	185	167	246	7	41	66	8xø22	280	36	330	359
200	110 140	M80x3 M100x3	95 112	200	1 1/4"	151	189	151	90 120	230	206	296	8	45	75	8xø26	340	40	390	428

Measure: All outside meaguremernts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder Φ up to Φ100.

INDUSTRIALCYLINDER CIA 210 -F2C1

MENSIONAL TABLE

尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF
*40	22 28	M16×1,5 M16×1,5	22 22	50	1/2″	70	87	65	17 22	50	93	78	4	19	32
*50	28 36	M20×1,5 M30×1,5	28 28	60	1/2″	75	91	70	22 28	62	93	94	4	24	38
*63	36 45	M27×2 M27×2	36 36	70	3/4″	78	90	74	28 36	75	101	112	5	29	45
*80	45 56	M33×2 M33×2	45 45	85	3/4″	88	97	82	36 46	95	117	133	5	36	54
*100	56 70	M42×2 M48×2	56 56	106	1″	102	114	88	46 60	115	117	161	6	37	57
125	70 90	M48×2 M48×2	63 63	132	1″	121	148	109	60 75	145	146	198	6	37	60
160	90 110	M64×3 M643	85 85	160	1 1/4″	125	152	120	75 90	185	167	246	7	41	66
200	110 140	M80×3 M80×3	95 95	200	1 1/4″	151	189	151	90 120	230	206	296	8	45	75

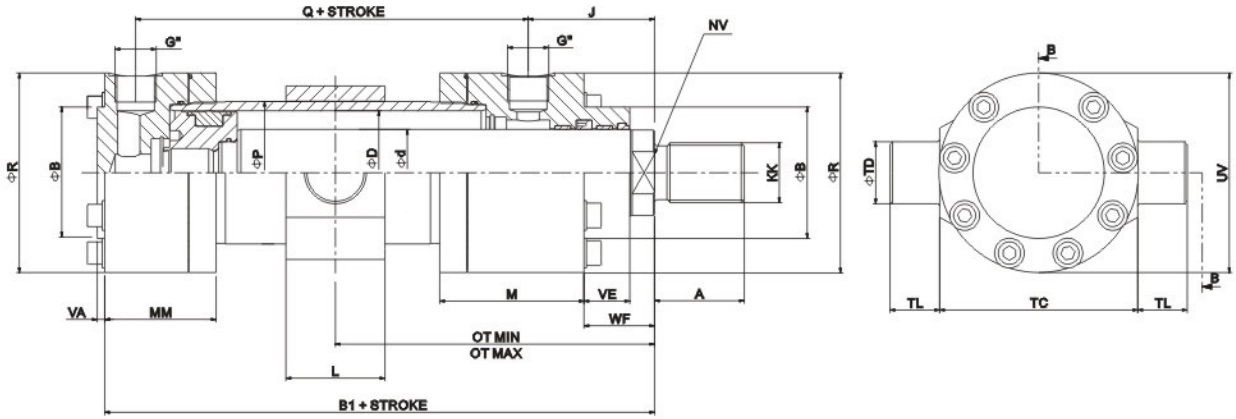
FB ISO 273	FC Js13	U	Y	Ep1 +0,7 -0,5	C H7 LO STEEL/STAL	EX h12	LE	E +5 +0	F	LG	MSI +1,2 -0,6	BA MIN +5 +0
8xØ9	106	16	125	17	20	20	22	65	47	52	23	246
8xØ11	126	20	150	21	25	25	27	79	58	65	29	271
8xØ14	145	25	175	27	32	32	32	96	70	80	35	305
8xØ18	165	32	200	32	40	40	41	115	89	97	44	355
8xØ22	200	32	245	40	50	50	50	140	108	120	54	396
8xØ22	235	32	280	52	63	63	62	163	132	140	71	463
8xØ22	280	36	330	66	80	80	78	205	168	180	90	539
8xØ26	340	40	390	84	100	100	98	240	210	210	112	638

Measure: All outside meagurememts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder Φup to Φ100.

INDUSTRIALCYLINDER CIA 210 - OT

MENSIONAL TABLE

尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

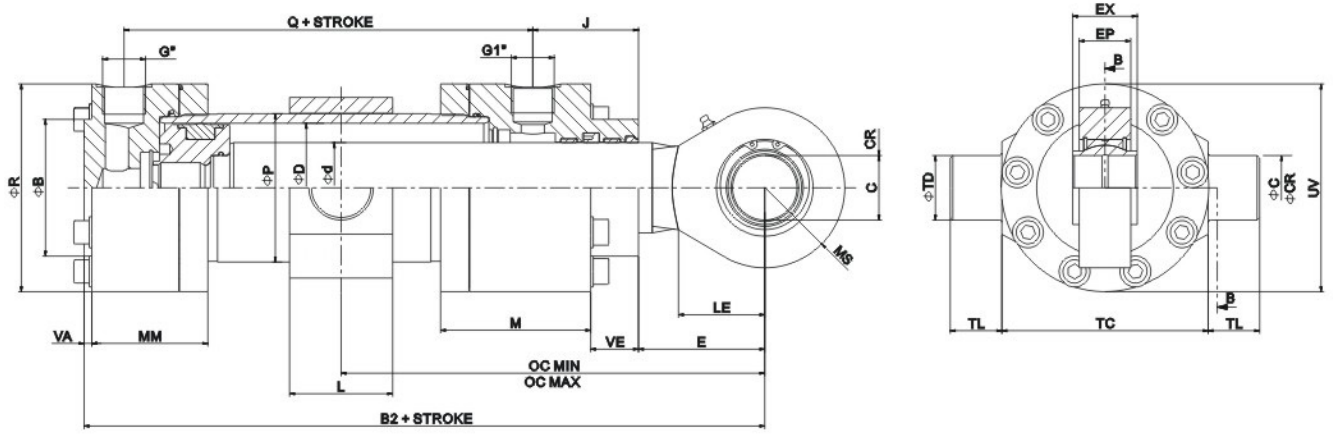
ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	B f8	G ISO 1179	J	M ±1	MM ±1	NV	P	Q	R	VA	VE	WF	L	TC h12	ØTD f8	TL	UV	OT MIN ±1	OT+*S MAX ±1	STROKE MIN	B1 MIN ±1
*40	22 28	M16×1,5 M20×1,5	22 28	50	1/2"	70	87	65	17 22	50	93	78	4	19	32	35	90	20	16	66	155	90	65	178
*50	28 36	M20×1,5 M27×2	28 36	60	1/2"	75	91	70	22 28	62	93	94	4	24	38	40	105	25	20	82	168	98	70	186
*63	36 45	M27×2 M33×2	36 45	70	3/4"	78	90	74	28 36	75	101	112	5	29	45	50	120	32	25	98	180	100	80	200
*80	45 56	M33×2 M42×2	45 56	85	3/4"	88	97	82	36 46	95	117	133	5	36	54	65	135	40	32	120	205	110	95	226
*100	56 70	M42×2 M48×2	56 63	106	1"	102	114	88	46 60	115	117	161	6	37	57	80	160	50	40	140	235	110	125	244
125	70 90	M48×2 M64×3	63 85	132	1"	121	148	109	60 75	145	146	198	6	37	60	100	195	63	50	175	285	135	150	291
160	90 110	M64×3 M80×3	85 95	160	1 1/4"	125	152	120	75 90	185	167	246	7	41	66	100	240	80	63	220	295	150	145	323
200	110 140	M80×3 M100×3	95 112	200	1 1/4"	151	189	151	90 120	230	206	296	8	45	75	120	295	100	80	270	355	175	180	388

Measure: All outside meagurememrnts observe the lSO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder Φ up to Φ100.

INDUSTRIALCYLINDER CIA 210 - OC2

MENSIONAL TABLE

尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

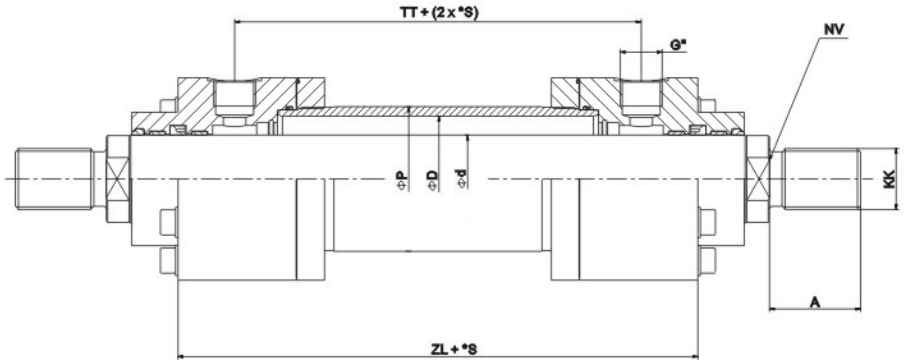
* S = Slaglaengde/Stroke/Hub

ØD CYL DIA	Ød ROD	B f8	G ISO 1179	J	M ±1	MM ±1	P	Q	R	VA	VE	L	ØTD f8	TL	TC h12	UV	OC MIN ±1	OC+*S MAX ±1	STROKE MIN	E	LE	MS +1,2 -0,6	EP +0,7 -0,5	C H7 LO STEEL/STAL	EX h12	CR -0,012 RUSTFRI STAINLESS	EX -0,012	B2 MIN ±1
*40	22 28	50	1/2"	57	87	65	50	93	78	4	19	35	20	16	90	66	182	117	65	40	21	25	18	20	20	20	16	209
*50	28 36	60	1/2"	61	91	70	62	93	94	4	24	40	25	20	105	82	204	134	70	50	30	32	22	25	25	25	20	226
*63	36 45	70	3/4"	62	90	74	75	101	112	5	29	50	32	25	120	98	226	146	80	62	42	40	25	32	32	30	22	251
*80	45 56	85	3/4"	70	97	82	95	117	133	5	36	65	40	32	135	120	267	172	95	80	46	50	30	40	40	40	28	293
*100	56 70	106	1"	82	114	88	115	117	161	6	37	80	50	40	160	140	313	188	125	98	68	62	40	50	50	50	35	328
125	70 90	132	1"	98	148	109	145	146	198	6	37	100	63	50	195	175	372	222	150	110	71	70	50	63	63	Note: Special jointbearing dimensions,in stainless steel		384
160	90 110	160	1 1/4"	100	152	120	185	167	246	7	41	100	80	63	240	220	397	252	145	127	93	90	70	80	80			432
200	110 140	200	1 1/4"	121	189	151	230	206	296	8	45	120	100	80	295	270	504	324	180	179	121	110	80	100	100			545

Measure: All outside meaguremernts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder Φup to Φ100.

INDUSTRIALCYLINDER CIA 210 - TT

MENSIONAL TABLE
尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

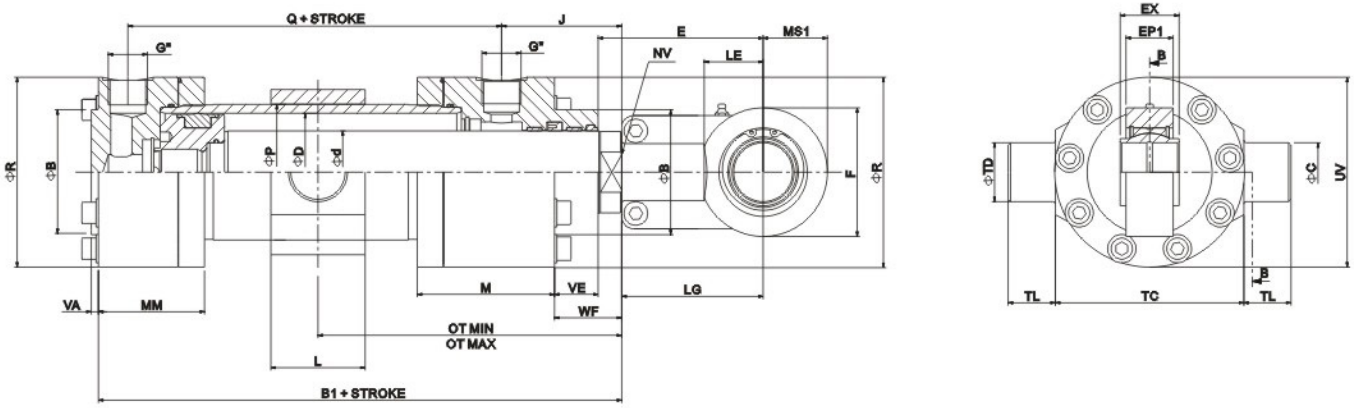
* S= Slaglaengde/Stroke/Hub

							Flanch type F								Yoke type O									
ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	NV	J	G ISO 1179	b E9	FB ISO 273	FC Js13	U	UD	Y	STROKE MIN	FT MIN ±0,5	OT MIN ±1	OT+*S MAX ±1	L	TC h12	øTD f8	TL	UV	Q ±1	ZL ±1	STROKE MIN	TT MIN ±1
*40	22 28	M16×1,5 M20×1,5	22 28	17 22	70	1/2"	50	8x⌀9	106	16	3	125	17	16	155	90	35	90	20	16	66	92	168	65	232
*50	28 36	M20×1,5 M27×2	28 36	22 28	75	1/2"	60	8x⌀11	126	20	4	150	20	18	168	98	40	105	25	20	82	102	176	70	252
*63	36 45	M27×2 M33×2	36 45	28 36	78	3/4"	70	8x⌀14	145	25	4	175	20	20	180	100	50	120	32	25	98	106	172	80	262
*80	45 56	M33×2 M42×2	45 56	36 46	88	3/4"	85	8x⌀18	165	32	4	200	20	22	205	110	65	135	40	32	120	120	188	95	296
*100	56 70	M42×2 M48×2	56 63	46 60	102	1"	106	8x⌀22	200	32	5	245	32	25	235	110	80	160	50	40	140	124	214	125	328
125	70 90	M48×2 M64×3	63 85	60 75	121	1"	132	8x⌀22	235	32	5	280	37	28	285	135	100	195	63	50	175	149	271	150	391
160	90 110	M64×3 M80×3	85 95	75 90	125	1 1/4"	160	8x⌀22	280	36	5	330	22	30	295	150	100	240	80	63	220	172	290	145	422
200	110 140	M80×3 M100×3	95 112	90 120	151	1 1/4"	200	8x⌀26	340	40	5	390	43	35	355	175	120	295	100	80	270	200	352	180	502

Measure: All outside meagurememrnts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder ⌀up to ⌀100.

INDUSTRIALCYLINDER CIA 210 - OC1

MENSIONAL TABLE
尺 寸 表



Tolerances according to ISO 8135 Dimensions in [mm]

* S = Slaghaengde/Stroke/Hub

ØD CYL DIA	Ød ROD	KK ISO 261	A ISO 4395	G ISO 1179	J	M ±1	MM ±1	NV	Q	R	VA	VE	WF	L	ØTD f8	TL	TC h12	UV	OA MIN +5 0	OA+*S MAX +5 0	STROKE MIN	EPI +0,7 -0,5	C H7 LO STEEL/STAL	EX h12	LE	E +5 +0	F	LG	MS +1,2 -0,6	B1 MIN ±1
*40	22 28	M16×1,5 M20×1,5	22 22	1/2"	70	87	65	17 22	93	78	4	19	32	35	20	16	90	66	207	142	65	17	20	20	22	65	47	52	23	178
*50	28 36	M20×1,5 M20×1,5	28 28	1/2"	75	91	70	22 28	93	94	4	24	38	40	25	20	105	82	233	163	70	21	25	25	27	79	58	65	29	186
*63	36 45	M27×2 M27×2	36 36	3/4"	78	90	74	28 36	101	112	5	29	45	50	32	25	120	98	260	180	80	27	32	32	32	96	70	80	35	200
*80	45 56	M33×2 M33×2	45 45	3/4"	88	97	82	36 46	117	133	5	36	54	65	40	32	135	120	302	207	95	32	40	40	41	115	89	97	44	226
*100	56 70	M42×2 M42×2	56 56	1"	102	114	88	46 60	117	161	6	37	57	80	50	40	160	140	355	230	125	40	50	50	50	140	108	120	54	244
125	70 90	M48×2 M48×2	63 63	1"	121	148	109	60 75	146	198	6	37	60	100	63	50	195	175	425	275	150	52	63	63	62	163	132	140	71	291
160	90 110	M64×3 M64×3	85 85	1 1/4"	125	152	120	75 90	167	246	7	41	66	100	80	63	240	220	475	330	145	66	80	80	78	205	168	180	90	323
200	110 140	M80×3 M80×3	95 95	1 1/4"	151	189	151	90 120	206	296	8	45	75	120	100	80	295	270	565	385	180	84	100	100	98	240	210	210	112	388

Measure: All outside meaguremernts observe the ISO 6020-1 standard. The installation dimension are according to HYDRA tech's standard.
If installation dimensions are requested in accordance with ISO 6020-1, the pistonrod will be extended.
CIA 210 type R is a complete stainless cylinder, - can be delivered as an ISO atandard cylinder ϕ up to ϕ 100.