



### **C-Tork Actuator** Compact lightweight electric actuator

The CT electric actuators are designed to drive ball and butterfly valves with ISO5211 mounting pad, providing a quarter turn motion. In combination with *RuB* valves are used in wastewater treatment plants, power plants, refineries, mining processes, food factories and in the fluid automated control in HVAC.

The CT family provides the following output torques:

Model	Nominal Torque		
<b>CT1</b> 8 Nm (70.8 lb-in)			
CT2	11 Nm (97.3 lb-in)		
CT3	22 Nm (194.7 lb-in)		
CT4	40 Nm (354 lb-in)		

#### Technical features & benefits:

• Direct ISO 5211 mount on valves.

Requires no separate linkage because the CT Series Actuators are ready for direct attachment to ISO5211 mounting pad.

Compact package with perfect shaft alignment.

Smaller actuator footprint enables installation in confined spaces; direct mount on ball valves reduces the mounting space requirement.

- Several voltage ratings available. Available with the most common power supplies around the globe.
- Fire retardant plastic with high IP ratings enclosure.
  - Provides a high degree of protection from dust, splashing water, rough handling and tough environments.
- Auxiliary Switches. Provides line voltage capable switch up to 1 A Resistive.

#### • Special models available.

The CT family fits the customer needs extending the application coverage on request.

Key Co	des:							
СТ	X	X	Х	Х	Х	X		
								R = Anti-condensation Resistance
							Option:	FO = Failsafe Valve Open
								FC = Failsafe Valve Close
								0 = No Micro
							Auxiliary Switches:	1 = 1 Aux. Switch
								2 = 2 Aux. Switches
						-	Manual Override:	M = Manual Override
							Manual Override:	N = No Manual
		r			•	•		A = 2 Points
							Control Type:	B = 3 Points
								C = 2 and 3 Points
								D = Prop. 0 - 10 Vdc
								E = Prop. 2 - 10 Vdc
								F = Prop. 0 - 20 mA
								G = Prop. 4 - 20 mA
								A = 230Vac 50/60 Hz *
								B = 110Vac 50/60 Hz *
								C = 24Vac 50/60 Hz *
								D = 24Vdc
							Power Supply:	E = 12Vdc
							i owei suppiy.	F = 24Vac/dc
								G = 100 - 230Vac
								H = 230Vac 60 Hz **
								I = 110Vac 60Hz **
								L = 24Vac 60Hz **
								CT1 = 8Nm (70.8 lb-in)
							Model:	CT2 = 11Nm (97.3 lb-in)
							model.	CT3 = 22Nm (194.7 lb-in)
								CT4 = 40Nm (354 lb-in)

Note: \* Not valid for CT4 (50 Hz only), \*\* Valid for CT4 only

Ask for additional information on the whole range of **BONOMI INDUSTRIES** products and consult with your supplier for special applications.

## CT1 - 8Nm (70.8 lb-in)

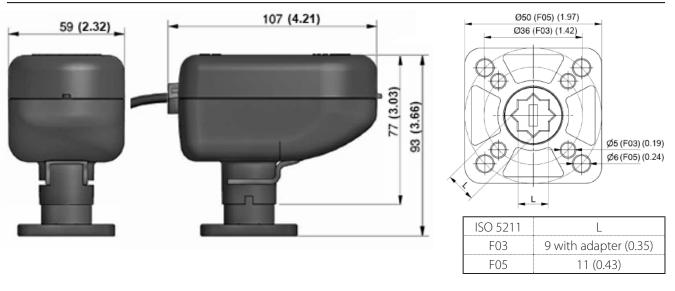
#### **Ordering Codes**

Code	Power supply	Control Type	Running time (0°-90°)	Feedback type
CT1AAN1	230 Vac 50/60 Hz	2 Points	45 sec @ 50Hz	
CITAANI	230 Vac 30/00 112	2 1 011113	38 sec @ 60Hz	
CT1BAN1	110 Vac 50/60 Hz	2 Points	45 sec @ 50Hz	
CTIDANT		2 FOILTS	38 sec @ 60Hz	
CT1CAN1	24 Vac 50/60 Hz	2 Points	45 sec @ 50Hz	
CITCANT	24 Vac 30/00 T12	2 FOILIS	38 sec @ 60Hz	1 microswitch & 1
CT1ABN1	230 Vac 50/60 Hz	3 points	35 sec @ 50Hz	output phase
CTIADINI	230 Vac 30/00 Hz		30 sec @ 60Hz	
CT1BBN1	110 Vac 50/60 Hz	3 points	35 sec @ 50Hz	
CTIDDINT		s points	30 sec @ 60Hz	
CT1CBN1	24 Vac 50/60 Hz	3 points	35 sec @ 50Hz	
СПСЫЛ	24 Vac 30/00 112	Vac 50/60 Hz 3 points	30 sec @ 60Hz	
CT1DCN0	24V DC	2/3 Points	60 sec.	2 output phases
CT1FDN0	24V DC / AC ± 20% 50/60 Hz	Modulating 0-10Vdc	60 sec.	2 -10 Vdc

CERTIFIED

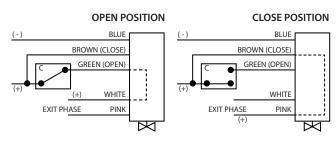
#### **Optional models on request:**

- 5Nm with 15 sec running time, Vac only
- Vdc 2/3 points 30 sec running time
- 12 Vdc power supply, 2/3 points 60 secs running time
- Different Input signal on modulating: 0(2)-10 Vdc, 0(4)-20 mA
- Modbus Communication
- On/Off 3 positions (0°, 45° and 90°)

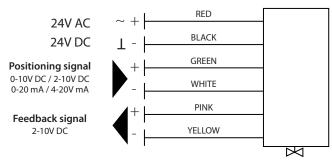


#### Vac models 2 points control OPEN CLOSED BLUE BLUE Ν Ν BROWN (CLOSE) BROWN (CLOSE) GREEN (OPEN) GREEN (OPEN) TA GREY GREY WHITE WHITE PINK PINK M1 М

#### Vdc models 2 points control



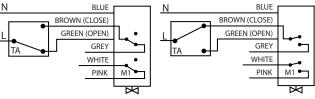
#### **Proportional models**



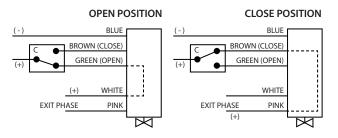
#### Technical specification

	2 points Vac	3 points Vac	2/3 points Vdc	Modulating	
Position indicator	Rota	ating arrow, indicating	the position of the sp	the position of the sphere	
	230 V - 50/60 Hz		24Vdc		
Power supply	24 V - 5	0/60 Hz		24V DC / AC ± 20%	
en	110 V - 5	50/60 Hz	12Vdc	30/00112	
Power cable length	80 cm (31.5 inches) (other sizes on request)				
Operating time (90°) and	45 sec @ 50Hz	35 sec @ 50Hz	60 sec	60 sec	
related starting torque	38 sec @ 60Hz	30 sec @ 60Hz	ou sec	OU SEC	
Absorbed power	3.9 VA		2 VA	3.5 W	
Electrical capacity of the additional microswitch	1 A resistive - 250V		Not available		
Maximum noise (1 meter away)		40 c	IB (A)		
Operating ambient temperature		+5 ℃ ÷ +50℃	(41°F ÷ 122°F)		
Degree of protection		IP 54 (Equival	ent to NEMA3)		
Insulation class		II - double	e insulation 🔲		
Outer shell material		Polyamide PA 6	- 30% glass fibers		
Certification		(	CE		

# Vac merec 3 points control



#### Vdc models 3 points control



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# **CT2 -** 11Nm (97.3 lb-in)

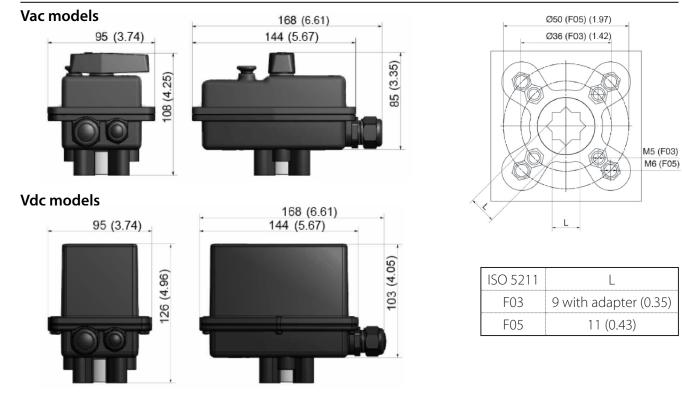


#### Ordering Codes

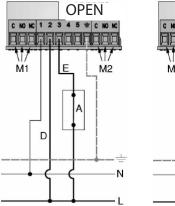
Code	Power supply	Control Type	Running time (0°-90°)	Feedback type
CT2ACM2	230 Vac - 50/60 Hz	2/3 Points	35 sec @ 50Hz	
CTZACINIZ	250 Vac - 50/ 00 112	2/ 5 FOILIG	30 sec @ 60Hz	
CT2BCM2	110 Vac - 50/60 Hz	2/3 Points	35 sec @ 50Hz	
CIZDCIVIZ	110 Vac - 50/60 Hz	2/5 POINTS	30 sec @ 60Hz	2 x Free auxiliary switches
CTOCCMO	24 Vac - 50/60 Hz	2/3 Points	35 sec @ 50Hz	
CT2CCM2			30 sec @ 60Hz	
CT2DCN2	24V DC	2/3 Points	12 sec.	
CT2ADN0	2201/ 50/2011-	Modulating 0-10Vdc	35 sec @ 50Hz	
CIZADNO	230 Vac - 50/60 Hz	woodiating 0-10vac	30 sec @ 60Hz	2 output phases
CT2FDN0	24V DC / AC ± 20% 50/60 Hz	Modulating 0-10Vdc	15 sec.	2 -10 Vdc
CT2GCM2FC	100-230 Vac	2/3 Points	15 sec.	2 x Free auxiliary switches

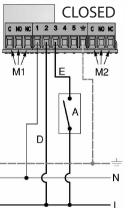
#### **Optional models on request:**

- 12 Vdc power supply
- Optional speed: Vac only : 12 sec or 4 sec (5Nm)
   Vdc only : 8 sec and 5 sec (11Nm);
  3 sec (8Nm); 1 sec (5Nm)
- Proportional models: 0(2)-10 Vdc, 0(4)-20 mA, Modbus
- Electronic fail safe (see pag 11)

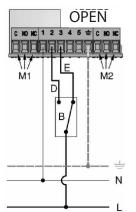


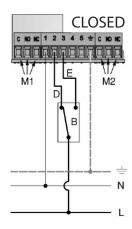
#### 2 points control

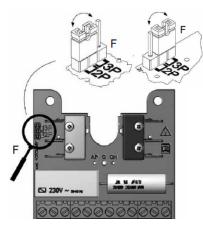




#### 3 points control



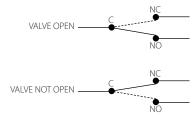




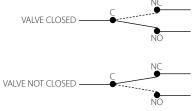
#### Vac models: Move the jumper to have the desired electrical connection. Vdc models: No jumper change is needed

#### Auxiliary switches

M1 (additional opening microswitch)







#### **Technical specification**

	ALL IN ONE - 2/3 points Vac	ALL IN ONE - 2/3 points Vdc	
Position indicator and manual override	Manual lever with arrow indicating the position of the sphere	Not available	
	230 V - 50/60 Hz	24Vdc	
Power supply	110 V - 50/60 Hz		
	24 V - 50/60 Hz	12Vdc	
Electric connections	Via terminal board in	side the actuator	
Operating time (90°)	35 sec @ 50Hz 30 sec @ 60Hz	12 sec	
Absorbed power	6 VA (230 V)		
	6 VA (110 V)	0.3A (24Vdc)	
	7.5 VA (24 V)	0.5A (12 Vdc)	
Maximum current supported by the additional microswitches	1 A resistive	Not available	
Maximum noise (1 meter away)	35 dB (A) standard version	47 dB (A) standard version	
Operating ambient temperature	-10 °C ÷ +50°C(	14°F ÷ 122°F)	
Degree of protection	IP 67 (Equivalen	t to NEMA6)	
Outer casing	Characterized by a ribbed shape made of glass-filled "polyarylamide" technopolymer, particularly robust and impermeable to humidity		
Certification	CE		

## **CT3 -** 22Nm (194.7 lb-in)



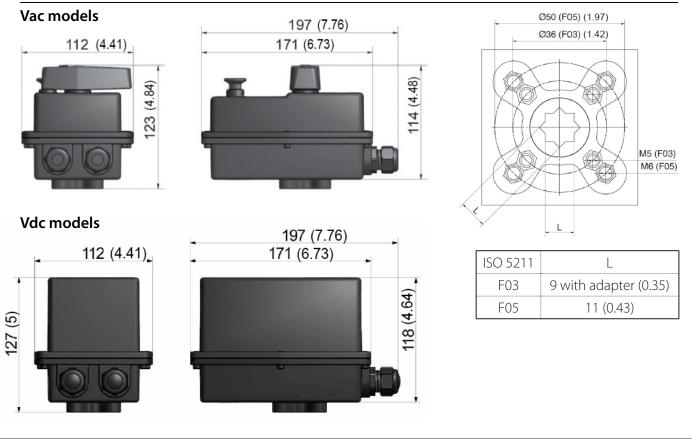
#### **Ordering Codes**

Code	Power supply	Control Type	Running time (0°-90°)	Feedback type	
СТЗАСМ2	230 Vac - 50/60 Hz	2/3 Points	45 sec @ 50Hz 38 sec @ 60Hz		
СТЗВСМ2	110 Vac - 50/60 Hz	2/3 Points	45 sec @ 50Hz 38 sec @ 60Hz	2 x Free auxiliary	
СТЗССМ2	24 Vac - 50/60 Hz	2/3 Points	45 sec @ 50Hz 38 sec @ 60Hz	switches	
CT3DCN2	24V DC	2/3 Points	30 sec.		
CT3ADN0	230 Vac - 50/60 Hz	Modulating 0-10Vdc	45 sec @ 50Hz 38 sec @ 60Hz	2 output phases	
CT3FDN0	24V DC / AC ± 20% 50/60 Hz	Modulating 0-10Vdc	30 sec.	2 -10 Vdc	

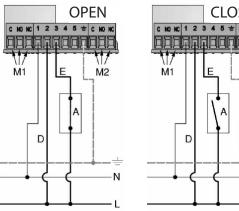
#### **Optional models on request:**

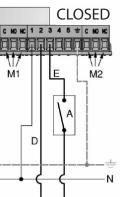
- 12 Vdc power supply
- Optional speed: Vac only : 9 sec - Vdc only: 10 sec

- Proportional models: 0(2)-10 Vdc, 0(4)-20 mA, Modbus
- Electronic fail safe (see pag 11)



#### 2 points control

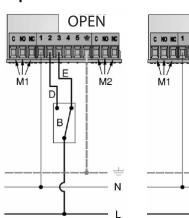


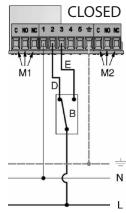




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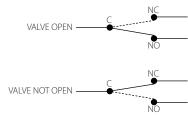




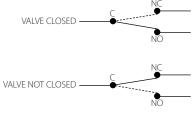
Vac models: Move the jumper to have the desired electrical connection. Vdc models: No jumper change is needed

#### Auxiliary switches

M1 (additional opening microswitch)







#### **Technical specification**

	ALL IN ONE - 2/3 points Vac	ALL IN ONE - 2/3 points Vdc	
Position indicator and manual override	Manual lever with arrow indicating the position of the sphere	Not available	
	230 V - 50/60 Hz	24Vdc	
Power supply	110 V - 50/60 Hz		
	24 V - 50/60 Hz	12Vdc	
Electric connections	Via terminal board in	side the actuator	
Operating time (90°)	45 sec	30 sec	
	5 VA (230 V)	0.25 A (24Vdc)	
Absorbed power	5 VA (110 V)		
	6 VA (24 V)	0.4 A (12 Vdc)	
Maximum current supported by the additional microswitches	1 A resis	tive	
Maximum noise (1 meter away)	42 dB (A) standard version	52 dB (A) standard version	
Operating ambient temperature	-10 °C ÷ +50°C(	14°F ÷ 122°F)	
Degree of protection	IP 67 (Equivalen	t to NEMA6)	
Outer casing	Characterized by a ribbed shape made of glass-filled "polyarylamic technopolymer, particularly robust and impermeable to humidity		
Certification	CE		

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### **CT4 -** 40Nm (354 lb-in)

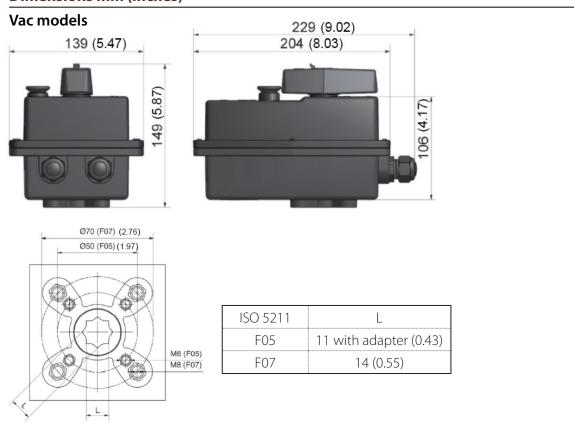


#### **Ordering Codes**

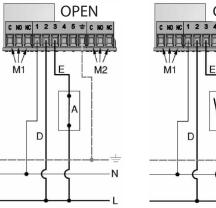
Code	Power supply	Control Type	Running time (0°-90°)	Feedback type	
CT4ACM2	230 Vac 50 Hz	2/3 Points	55 sec.		
CT4BCM2	110 Vac 50 Hz	2/3 Points	55 sec.		
CT4CCM2	24 Vac 50 Hz	2/3 Points	55 sec.	2 x Free auxiliary	
CT4HCM2	230 Vac 60Hz	2/3 Points	45 sec.	switches	
CT4ICM2	110 Vac 60Hz	2/3 Points	45 sec.		
CT4LCM2	24 Vac 60Hz	2/3 Points	45 sec.		
CT4HDN0	230 Vac 60 Hz	Modulating 0-10Vdc	45 sec.	2 output phases	
CT4FDN0	24V DC / AC ± 20% 50/60 Hz	Modulating 0-10Vdc	45 sec.	2 -10 Vdc	

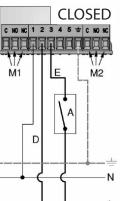
#### **Optional models on request:**

- 24Vdc and 12 Vdc power supply
- Optional speed: Vac only : 14 sec and 32 sec
- Proportional models: 0(2)-10 Vdc, 0(4)-20 mA, Modbus
- Electronic fail safe (see pag 11)

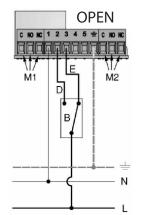


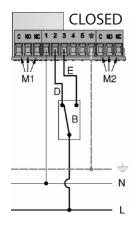
#### 2 points control

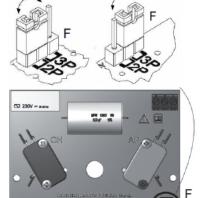




#### 3 points control





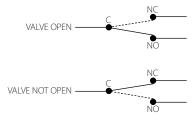


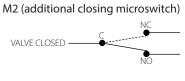
#### Technical specification

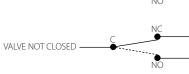
**Vac models:** Move the jumper to have the desired electrical connection.

#### **Auxiliary switches**

M1 (additional opening microswitch)







	ALL IN ONE - 2/3 points	
Position indicator and manual override	Manual lever with arrow indicating the position of the sphere	
	230 V - 50 Hz	
Power supply	110 V - 50 Hz	
	24 V - 50 Hz	
Electric connections	Via terminal board inside the actuator	
Operating time (90°)	55 sec @ 50Hz 45 sec @ 60 Hz	
	13 VA (230 V)	
Maximum absorbed power (standard version 55sec)	11 VA (110 V)	
	12 VA (24 V)	
Maximum current on the output phase at terminals 4 and 5	1 A resistive	
Maximum current supported by the additional microswitches	1 A resistive	
Maximum noise (1 meter away)	50 dB (A) standard version	
Operating ambient temperature	-10 °C ÷ +50°C (14°F ÷ 122°F)	
Degree of protection	IP 67 (Equivalent to NEMA6)	
Outer casing	Characterized by a ribbed shape made of glass-filled "polyarylamide" technopolymer, particularly robust and impermeable to humidity	
Certification	CE	

### Super capacitors electronic Fail Safe actuators Using the SuperCaps technology the CT2, CT3 and CT4 actuators can store the necessary energy open or close the valve in a safety position during an

Using the SuperCaps technology the CT2, CT3 and CT4 actuators can store the necessary energy energy

#### **Ordering Codes**

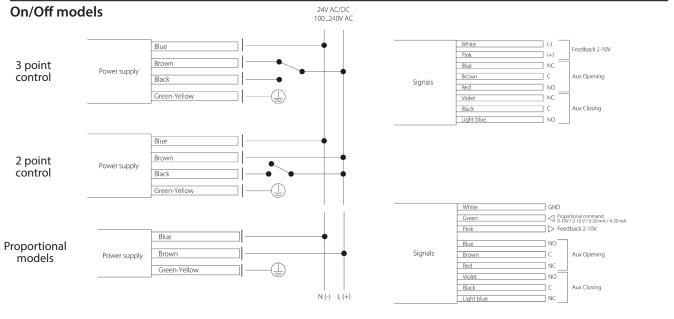
Code	Torque (Nm)	Power supply
CT2FCM2Fx	11	24Vdc - 24V 50/60 Hz
CT2GCM2Fx	11	100240V 50/60 Hz
CT3FCM2Fx	22	24Vdc - 24V 50/60 Hz
CT3GCM2Fx	22	100240V 50/60 Hz
CT4FCM2Fx	40	24Vdc - 24V 50/60 Hz
CT4GCM2Fx	40	100240V 50/60 Hz

Note: X=O for Fail safe valve open; C for Fail Safe valve close X

#### **Technical specification - Fail safe Models**

	CT2	CT3	CT4		
Available power supply	24Vdc - 24V 50/60 Hz - 100240V 50/60Hz				
Max. Running power consumption	10W	25W	25W		
Power supply cable	-	I m (40 in.) length AWG2	0		
Signal cable	-	I m (40 in.) length AWG2 <sup>,</sup>	4		
Auxiliary switches rating	max 30V DC - 0.1 A	max 30V DC - 0.1 A	max 30V DC - 0.1 A		
Nominal Torque	11 Nm 22 Nm 40 Nm				
Available control type	On/off 3&2 points - proportional				
Valve position feedback	2 -10V DC				
Manual Override	Manual lever with arrow indicating the position of the sphere				
Running Speed (90°)		30s			
Fail safe speed(90°)	20 s	26 s	30 s		
Max Noise	45 dB (A)	60 dB (A)	65 dB (A)		
Degree of protection		IP67			
SuperCaps recharging time	15 min (90°) 15 min (90°) 50 min (90°)				
Operating ambient temperature	-10°C ÷ 50°C (14°F ÷ 122°F)				
Certification		CE			

#### Wiring diagrams



#### **Valves combination**

						-	
				4	the set	and the second	The set
s.64 Low Torque	code	size	ΔΡ	CT1 - 8Nm	CT2 - 11Nm	CT3 - 22Nm	CT4 - 40N
	S64FxxA	1"		•	•		
	S64GxxA	1 1⁄4"	0 ÷ 6 Bar (0 ÷ 87 PSI)	•	•		
	S64HxxA	1 1/2"		•	•		
	S64IxxA	2"		•	•		
	code	size	ΔΡ	CT1 - 8Nm	CT2 - 11Nm	CT3 - 22Nm	CT4 - 40N
	S64FxxA	1"	6 ÷ 16 Bar (87 ÷ 232 PSI)	•	•		
	S64GxxA	1 1⁄4"		•	•		
	S64HxxA	1 1⁄2"		•	•		
	S64IxxA	2"			•		
- 64			4.0	CT1 - 8Nm	CT2 11Nm	CT2 22Nm	CT4 40N
s.64	code S64Dxx	size	ΔP 0 ÷ 15 Bar (0 ÷ 217PSI)		CT2 - 11Nm	CT3 - 22Nm	CT4 - 40N
		1/2" 3/4"		•	•		
	S64Exx	3/4		•	•		
	S64Fxx S64Gxx	1 1/4"		•	•		
	S64GXX S64HXX	1 1/2"			•		•
	S64lxx	2"					•
	code	size	۸D	CT1 - 8Nm	CT2 11Nm	CT3 - 22Nm	CT4 - 40N
	S64Dxx	1/2"	ΔP 15 ÷ 40 Bar (217 ÷ 580 PSI)	•	•	CT3-2210111	C14-40N
	S64Exx	3/4"		•	•		
	S64Fxx	1"					
	S64Gxx	1 1/4"		•	•	•	
	JUTUAN	1 /4					
	S64Hyy	1 1/5"				•	
	S64Hxx S64lxx	1 ½" 2"					•
6 F	S64lxx	2"			CT2 11Nm		•
s.65	S64lxx code	2" size	ΔΡ	CT1 - 8Nm		CT3 - 22Nm	•
s.65	S64lxx code S65Dxx	2" <b>size</b> 1/2"		•	•		•
s.65	S641xx code S65Dxx S65Exx	2" size 1/2" 3/4"	0 ÷ 16 Bar	•	•		•
s.65	S64lxx code S65Dxx S65Exx S65Fxx	2" size 1/2" 3/4" 1"		•	•		•
s.65	S641xx code S65Dxx S65Exx	2" size 1/2" 3/4"	0 ÷ 16 Bar	•	•	CT3 - 22Nm	• CT4 - 40N
s.65 5.134	S64lxx code S65Dxx S65Exx S65Fxx	2" size 1/2" 3/4" 1"	0 ÷ 16 Bar	•	•		• CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2"	0 ÷ 16 Bar (0 ÷ 232 PSI)	•	•	CT3 - 22Nm	• CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           code           134Dxx           134Exx	2" <b>size</b> 1/2" 3/4" 1" 1 ¼" <b>size</b> 1/2" 3/4"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ	• • • CT1 - 8Nm	• • • CT2 - 11Nm	CT3 - 22Nm	• CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           code           134Dxx           134Exx           134Fxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar	• • • CT1 - 8Nm •	• • • CT2 - 11Nm	CT3 - 22Nm	• CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Gxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1" 1 ¼"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ	• • • CT1 - 8Nm •	• • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm	• CT4 - 40N
	S64Ixx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           code           134Dxx           134Exx           134Fxx           134Gxx           134Hxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ½"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar	• • • CT1 - 8Nm •	• • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm	• CT4 - 40N CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Gxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1" 1 ¼"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar	• • • CT1 - 8Nm •	• • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm	• CT4 - 40N CT4 - 40N
<b>5.134</b>	S64Ixx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           code           134Dxx           134Exx           134Fxx           134Gxx           134Hxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ½"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar	• • • CT1 - 8Nm •	• • • • •	CT3 - 22Nm CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N
	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Fxx           134Fxx           134Fxx           134Hxx           134Hxx           134Hxx           134Hxx	2" size 1/2" 3/4" 1" 1 ¼" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ½" 2"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar (0 ÷ 203 PSI)	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm	• CT4 - 40N CT4 - 40N
<b>5.134</b>	S64lxx           code           S65Dxx           S65Fxx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           S73Dxx	2" size 1/2" 3/4" 1" 1 ¼" 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ½" 2" size	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar (0 ÷ 203 PSI)	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N
<b>5.134</b>	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Fxx           134Fxx           134Fxx           134Hxx           134Hxx           134Hxx           134Hxx	2" size 1/2" 3/4" 1" 1 ½" 3/4" 1/2" 3/4" 1" 1 ½" 2" size 1/2"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar (0 ÷ 203 PSI)	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • CT3 - 22Nm	• CT4 - 40N CT4 - 40N
<b>5.134</b>	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Fxx           S65Gxx           I34Dxx           134Exx           134Fxx           134Fxx           134Fxx           134Fxx           I34Fxx           I34Fxx           I34Fxx           I34Fxx           I34Fxx           I34Fxx           I34Hxx           I34Hxx           I34Ixx           I34Ixx	2" size 1/2" 3/4" 1" 1 ¼" Size 1/2" 3/4" 1 ¼" 1 ¼" 1 ¼" 2" size 1/2" 3/4" 3/4"	0 ÷ 16 Bar (0 ÷ 232 PSI) ΔΡ 0 ÷ 14 Bar (0 ÷ 203 PSI)	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • CT3 - 22Nm	• CT4 - 40N CT4 - 40N
<b>5.134</b>	S64Ixx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           134Dxx           134Exx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           S73Dxx           S73Exx           S73Fxx	2" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ¼" 1 ¼" 1 ¼" 1 ½" 2" size 1/2" 3/4" 1" 1 ¼"	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $\Delta P$ $0 \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $\Delta P$ $0 \div 16 \text{ Bar}$	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • CT3 - 22Nm	• CT4 - 40N CT4 - 40N • CT4 - 40N
<b>5.134</b>	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           134Dxx           134Exx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           S73Dxx           S73Fxx           S73Fxx           S73Gxx	2" <b>size</b> 1/2" 3/4" 1" 1 ¼" <b>size</b> 1/2" 3/4" 1" 1 ¼" 2" <b>size</b> 1/2" <b>size</b> 1/2" 3/4" 1" 1 ¼"	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $\Delta P$ $0 \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $\Delta P$ $0 \div 16 \text{ Bar}$	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • CT3 - 22Nm	• CT4 - 40N CT4 - 40N • • CT4 - 40N •
<b>5.134</b>	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Hxx           573Dxx           S73Exx           S73Fxx           S73Gxx           S73Hxx	2" <b>size</b> 1/2" 3/4" 1" 1 ¼" <b>size</b> 1/2" 3/4" 1" 1 ¼" 1 ½" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b> 1/2" <b>size</b>	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $\Delta P$ $0 \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $\Delta P$ $0 \div 16 \text{ Bar}$	• • • CT1 - 8Nm • •	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • CT3 - 22Nm	• CT4 - 40N CT4 - 40N • • CT4 - 40N • • • • • • • •
<b>5.134</b>	S64Ixx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           I34Dxx           134Exx           134Fxx           134Fxx           134Fxx           134Fxx           I34Fxx           S73Dxx           S73Dxx           S73Fxx           S73Fxx           S73Hxx           S73Ixx	2" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ¼" 1 ¼" 1 ½" 2" size 1/2" 3/4" 1 ½" 2" size 1/2" 3/4" 1 ½" 2" 3/4" 1" 1 ½" 2" 2"	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $D \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $D \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$	• • • CT1 - 8Nm • • CT1 - 8Nm	• • • CT2 - 11Nm • • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • • CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N • • CT4 - 40N • • • • • • • •
<b>5.134</b>	S64Ixx           code           S65Dxx           S65Exx           S65Fxx           S65Gxx           134Dxx           134Exx           134Fxx           573Exx           S73Fxx           S73Ixx           S73Ixx           Code	2" size 1/2" 3/4" 1" 1 ¼" Size 1/2" 3/4" 1" 1 ¼" 1 ½" 2" Size 1/2" 3/4" 1" 1 ¼" 1 ½" 2" Size	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $D \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $D \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$	•	• • • CT2 - 11Nm • • CT2 - 11Nm • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • • CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N • • • CT4 - 40N • • • • •
<b>5.134</b>	S64lxx           code           S65Dxx           S65Exx           S65Fxx           S65Fxx           S65Gxx           Code           134Dxx           134Exx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           S73Dxx           S73Exx           S73Fxx           S73Fxx           S73Fxx           S73Lx           Code           S73Lx           Code           S73Dxx	2" size 1/2" 3/4" 1" 1 ¼" Size 1/2" 3/4" 1" 1 ¼" 1 ½" 2" size 1/2" 3/4" 1" 1 ½" 2" size 1/2" 3/4" 1" 1 ½" 2" 3/4" 1" 1 ½" 2" 3/4" 1" 1 ½" 1/2" 3/4" 1/2" 1/2" 3/4" 1/2" 1/2" 3/4" 1/2" 1/2" 3/4" 1/2" 1/2" 3/4" 1/2" 1/2" 3/4" 1/2" 2"	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $D \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $D \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $D \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$	•	• • • CT2 - 11Nm • • CT2 - 11Nm • CT2 - 11Nm	CT3 - 22Nm CT3 - 22Nm • • • CT3 - 22Nm • •	CT4 - 40N
<b>5.134</b>	S64lxx           code           S65Dxx           S65Fxx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           134Fxx           S73Dxx           S73Exx           S73Fxx           S76Dxx           S76Exx	2" <b>size</b> 1/2" 3/4" 1" 1 ¼" <b>size</b> 1/2" 3/4" 1" 1 ¼" 1 ½" 2" <b>size</b> 1/2" 3/4" 1" 1 ¼" 1 ½" 2" <b>size</b> 1/2" 3/4" 1" 1 ¼"	$0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$ $D \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI})$ $D \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI})$	•	• • • • • • • • • • • • • • • • • • •	CT3 - 22Nm CT3 - 22Nm • • • CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N • • CT4 - 40N • • • • • • • •
<b>5.134</b>	S64lxx           code           S65Dxx           S65Fxx           S65Fxx           S65Gxx           Code           134Dxx           134Fxx           S73Fxx           S73Dxx           S73Fxx           S73Fxx           S73Fxx           S73Fxx           S73Hxx           S76Dxx           S76Exx           S76Fxx	2" size 1/2" 3/4" 1" 1 ¼" 1 ¼" 1 ¼" 1 ¼" 1 ½" 2" size 1/2" 3/4" 1" 1 ¼" 1 ½" 2" size 1/2" 3/4" 1" 1 ¼ 1 ½" 2" 3/4" 1" 1" 1 ¼ 1 ½" 2" 3/4" 1" 1" 1 ¼ 1 ¼ 1 ½" 2" 3/4" 1" 1" 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼ 1 ¼	$\begin{array}{c} 0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI}) \end{array}$ $\begin{array}{c} \Delta P \\ 0 \div 14 \text{ Bar} \\ (0 \div 203 \text{ PSI}) \end{array}$ $\begin{array}{c} \\ \hline \\ 0 \div 16 \text{ Bar} \\ (0 \div 232 \text{ PSI}) \end{array}$ $\begin{array}{c} \\ \Delta P \\ \end{array}$ $\begin{array}{c} \\ 0 \div 16 \text{ Bar} \\ (0 \div 16 \text{ Bar} \end{array}$	•	• • • • • • • • • • • • • • • • • • •	CT3 - 22Nm CT3 - 22Nm • • • CT3 - 22Nm • •	• CT4 - 40N CT4 - 40N • CT4 - 40N • CT4 - 40N • • CT4 - 40N

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