

Section 2: Product Specifications

Pneumatic Slip Clutch

Model Number	Torque Range on Soft Joint		Idle Speed	Starting System	Reversibility	Weight	Air Consumption	Spindle	Axial Compensator Output
	lbf.in	N.m	RPM	Type	Type	lb.	CFM	Drive	Output
MCZE2	7.08 - 22.125	0.8 - 2.5	2800	↓	↻	1.45	14.83	1/4" Hex	1/4" Square
MCZE3	7.08 - 26.55	0.8 - 3	1300	↓	↻	1.65	14.83	1/4" Hex	1/4" Square
MCZE4	7.08 - 29.205	0.8 - 3.3	850	↓	↻	1.65	14.83	1/4" Hex	1/4" Square
MCZE5	5.31 - 37.17	0.6 - 4.2	600	↓	↻	1.65	14.83	1/4" Hex	1/4" Square
MCSE4	8.85 - 51.33	1 - 5.8	2500	↓	↻	1.85	19.07	1/4" Hex	3/8" Square
MCSE5	13.275 - 66.375	1.5 - 7.5	1500	↓	↻	1.87	19.07	1/4" Hex	3/8" Square
MCSE8	13.275 - 84.075	1.5 - 9.5	1000	↓	↻	1.87	19.07	1/4" Hex	3/8" Square
MCSE10	13.275 - 106.2	1.5 - 12	500	↓	↻	1.87	19.07	1/4" Hex	3/8" Square
MCY7-1	40.71 - 115.05	4.6 - 13	1700	↓	↻	2.42	21.19	1/4" Hex	3/8" Square
MCY9-1	53.1 - 141.6	6 - 16	750	↓	↻	2.86	21.19	1/4" Hex	3/8" Square
MCY11-1	53.1 - 194.7	6 - 22	500	↓	↻	2.86	21.19	1/4" Hex	3/8" Square
MSCZE2	7.08 - 22.125	0.8 - 2.5	2800	↓ ↓	↻	1.58	14.83	1/4" Hex	1/4" Square
MSCZE3	7.08 - 26.55	0.8 - 3	1300	↓ ↓	↻	1.61	14.83	1/4" Hex	1/4" Square
MSCZE4	7.08 - 29.205	0.8 - 3.3	850	↓ ↓	↻	1.61	14.83	1/4" Hex	1/4" Square
MSCZE5	5.31 - 37.17	0.6 - 4.2	600	↓ ↓	↻	1.61	14.83	1/4" Hex	1/4" Square
MSCSE4	8.85 - 51.33	1 - 5.8	2500	↓ ↓	↻	2.00	19.07	1/4" Hex	3/8" Square
MSCSE5	13.275 - 66.375	1.5 - 7.5	1500	↓ ↓	↻	2.02	19.07	1/4" Hex	3/8" Square
MSCSE8	13.275 - 84.075	1.5 - 9.5	1000	↓ ↓	↻	2.02	19.07	1/4" Hex	3/8" Square
MSCSE10	13.275 - 106.2	1.5 - 12	500	↓ ↓	↻	2.02	19.07	1/4" Hex	3/8" Square
MCZE2R	7.08 - 22.125	0.8 - 2.5	2800	↓	↻	1.74	14.83	1/4" Hex	1/4" Square
MCZE3R	7.08 - 26.55	0.8 - 3	1300	↓	↻	1.76	14.83	1/4" Hex	1/4" Square
MCZE4R	7.08 - 29.205	0.8 - 3.3	850	↓	↻	1.76	14.83	1/4" Hex	1/4" Square
MCZE5R	5.31 - 37.17	0.6 - 4.2	600	↓	↻	1.76	14.83	1/4" Hex	1/4" Square
MCSE4R	8.85 - 51.33	1 - 5.8	2500	↓	↻	1.72	19.07	1/4" Hex	3/8" Square
MCSE5R	13.275 - 66.375	1.5 - 7.5	1500	↓	↻	1.91	19.07	1/4" Hex	3/8" Square
MCSE8R	13.275 - 84.075	1.5 - 9.5	1000	↓	↻	1.91	19.07	1/4" Hex	3/8" Square
MCSE10R	13.275 - 106.2	1.5 - 12	500	↓	↻	1.91	19.07	1/4" Hex	3/8" Square
MCY7R-1	38.825 - 115.05	4.5 - 13	1600	↓	↻	2.42	21.19	1/4" Hex	3/8" Square
MCY9R-1	53.1 - 141.6	6 - 16	700	↓	↻	2.86	21.19	1/4" Hex	3/8" Square
MCY11R1	53.1 - 194.7	6 - 22	450	↓	↻	2.86	21.19	1/4" Hex	3/8" Square

Legend			
↻ Clockwise Only	↻ Reversible	↓ Direct Start	↓ ↓ Push-to-start

Torque values are to be considered purely indicative and may be influenced by the softness of the type of joint, the type and length of the screw, the pressure and quantity of the feeding air, etc. In order to ensure the best performances and long life of air nutrunner motors in particularly harsh work conditions (high number of cycles per minute and/or high torque values), we advise against adjusting torque level higher than 80% of maximum torque stated in the performance chart. For more information, contact ASG.

Product Specifications

Pneumatic Slip Clutch

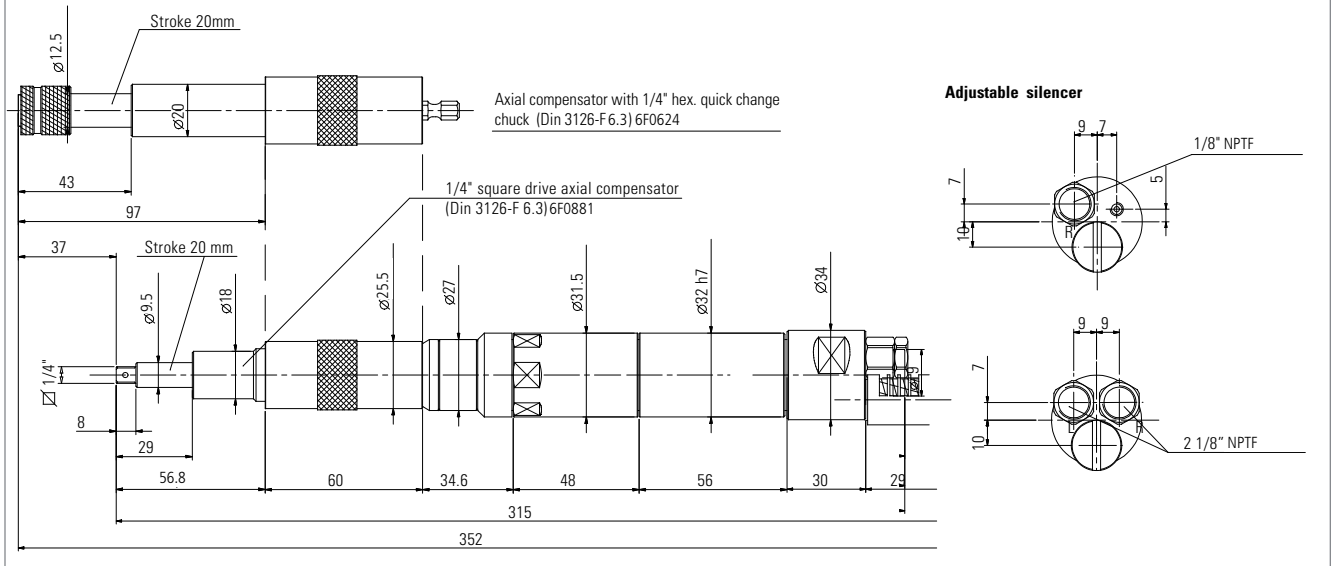
Chart of torque range obtainable with clutch springs assembled in or supplied with the tool.

Model Number	Torque Range on Soft Joint		Torque Range on Soft Joint		Torque Range on Soft Joint		Torque Range on Soft Joint	
	lbf.in	N.m	lbf.in	N.m	lbf.in	N.m	lbf.in	N.m
	Assembled on the tool Brown color - Ø wire 1.6 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Silver color - Ø wire 2.1 mm		Supplied with Gold color - Ø wire 2.2 mm	
MCZE2	7.08 - 22.125	0.8 - 2.5						
MCZE3	7.08 - 19.47	0.8 - 2.2	15.93 - 26.55	1.8 - 3				
MCZE4	7.08 - 22.125	0.8 - 2.5			17.7 - 29.205	2 - 3.3		
MCZE5	5.31 - 16.815	0.6 - 1.9					8.85 - 31.17	1 - 4.2
	Assembled on the tool White color - Ø wire 1.6 mm		Supplied with Light-blue color - Ø wire 1.5 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Red color - Ø wire 3.5 mm	
MCSE4	26.55 - 51.33	3 - 5.8	8.85 - 28.32	1 - 3.2				
MCSE5	26.55 - 66.375	3 - 7.5			13.275 - 39.825	1.5 - 4.5		
MCSE8	13.275 - 39.825	1.5 - 4.5					30.975 - 84.075	3.5 - 9.5
MCSE10	13.275 - 39.825	1.5 - 4.5					30.975 - 106.2	3.5 - 12
	Assembled on the tool Brown color - Ø wire 1.6 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Silver color - Ø wire 2.1 mm		Supplied with Gold color - Ø wire 2.2 mm	
MSCZE2	7.08 - 22.125	0.8 - 2.5						
MSCZE3	7.08 - 19.47	0.8 - 2.2	15.93 - 26.55	1.8 - 3				
MSCZE4	7.08 - 22.125	0.8 - 2.5			17.7 - 29.205	2 - 3.3		
MSCZE5	5.31 - 16.815	0.6 - 1.9					8.85 - 31.17	1 - 4.2
	Assembled on the tool White color - Ø wire 1.6 mm		Supplied with Light-blue color - Ø wire 1.5 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Red color - Ø wire 3.5 mm	
MSCSE4	26.55 - 51.33	3 - 5.8	8.85 - 28.32	1 - 3.2				
MSCSE5	26.55 - 66.375	3 - 7.5			13.275 - 39.825	1.5 - 4.5		
MSCSE8	13.275 - 39.825	1.5 - 4.5					30.975 - 84.075	3.5 - 9.5
MSCSE10	13.275 - 39.825	1.5 - 4.5					30.975 - 106.2	3.5 - 12
	Assembled on the tool Brown color - Ø wire 1.6 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Silver color - Ø wire 2.1 mm		Supplied with Gold color - Ø wire 2.2 mm	
MCZE2R	7.08 - 22.125	0.8 - 2.5						
MCZE3R	7.08 - 19.47	0.8 - 2.2	15.93 - 26.55	1.8 - 3				
MCZE4R	7.08 - 22.125	0.8 - 2.5			17.7 - 29.205	2 - 3.3		
MCZE5R	5.31 - 16.815	0.6 - 1.9					8.85 - 31.17	1 - 4.2
	Assembled on the tool White color - Ø wire 1.6 mm		Supplied with Light-blue color - Ø wire 1.5 mm		Supplied with Pink color - Ø wire 2 mm		Supplied with Red color - Ø wire 3.5 mm	
MCSE4R	26.55 - 51.33	3 - 5.8	8.85 - 28.32	1 - 3.2				
MCSE5R	26.55 - 66.375	3 - 7.5			13.275 - 39.825	1.5 - 4.5		
MCSE8R	13.275 - 39.825	1.5 - 4.5					30.975 - 84.075	3.5 - 9.5
MCSE10R	13.275 - 39.825	1.5 - 4.5					30.975 - 106.2	3.5 - 12

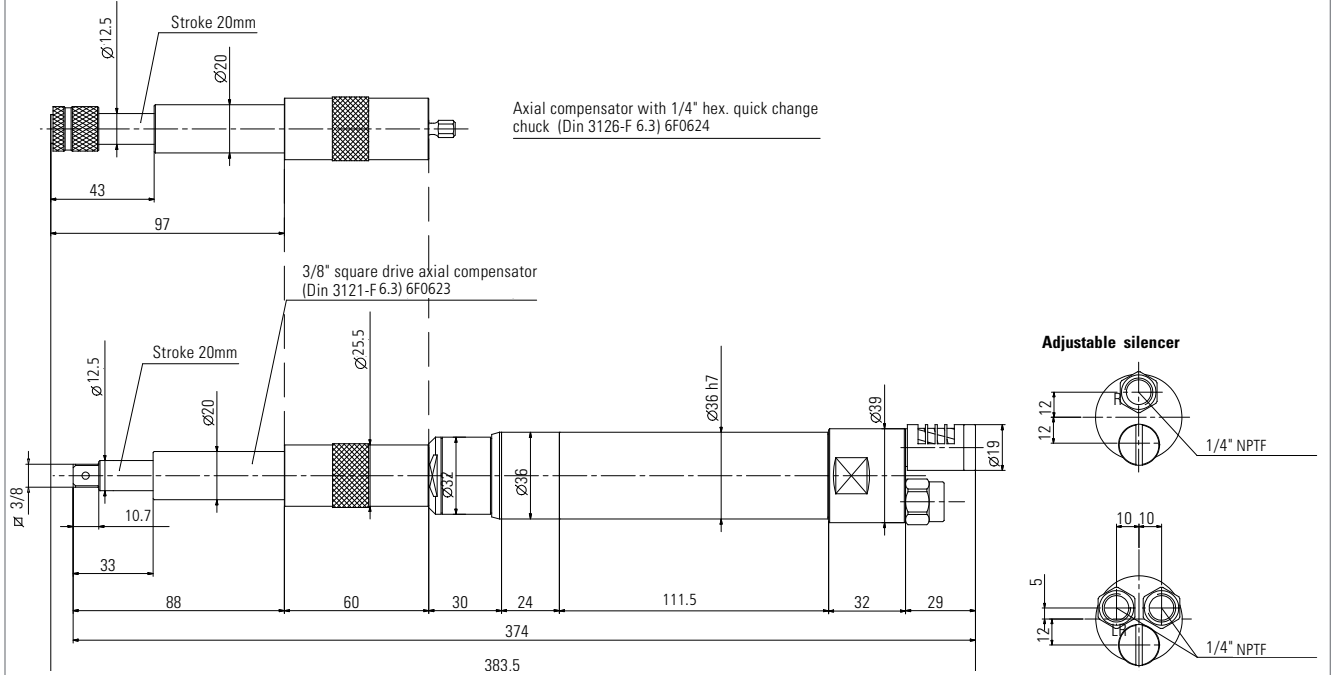
Exterior Dimensions

Pneumatic Slip Clutch

MCZE.../MCZE...R MODELS WITH AXIAL COMPENSATOR



MCSE.../MCSE...R MODELS WITH AXIAL COMPENSATOR



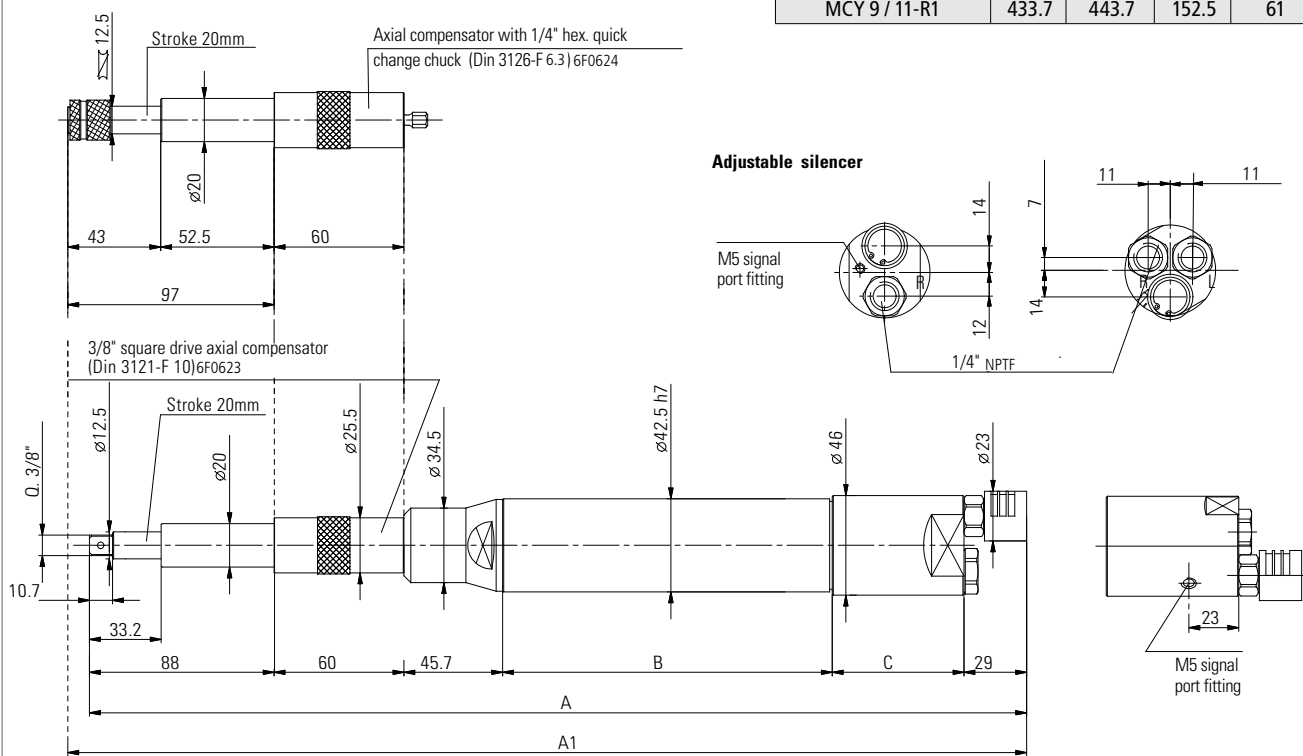
* All dimensional drawings are in mm

Exterior Dimensions

Pneumatic Slip Clutch

MCY...-1/MCY...-R1 MODELS WITH AXIAL COMPENSATOR

Model Number	A mm	A1 mm	B mm	Ø C mm
MCY 7-1	388.7	398.7	122.5	46
MCY 9 / 11-1	418.7	428.7	152.5	46
MCY 7-R1	403.7	413.7	122.5	61
MCY 9 / 11-R1	433.7	443.7	152.5	61



* All dimensional drawings are in mm



Product Specifications

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Model Number	Air Inlet	Recommended Hose Bore
MCZE..., MCZE...R, MCSZE...	1/8" NPTF	Ø 5 mm
MCSE..., MCSE...R, MSCSE, Ø 8 mm MCY...-1, MCY...R-1	1/4" NPTF	Ø 8 mm

- The figures shown are measured at a pressure of 6.3 bar (in accordance with ISO 2787), the recommended operating pressure. Approximately 90 PSI.
- The tightening torque values have been measured in accordance with ISO 5393 standard.
- For installation instructions see 'user and maintenance manual'.

Standard Equipment (supplied with motor)

- Clutch adjustment key
- Supplementary clutch spring (except for MCY...models)
- User and maintenance manual
- Eco-friendly packaging

Accessories Available Upon Request

- Bits, sockets, conveyors and other compressed air system accessories
- Accessories for automation
- Axial compensators and flange bracket

Models Available Upon Request

- Models with modified flange and/or with customized casing
- Models with axial compensator
- Models with different speeds than the ones indicated on the chart



Fiam air screwdrivers and nutrunners for automation are designed for use with lubricated compressed air.