

Eaton EC230-40 Two Wire Braid Hose



Eaton's New EC230-40 Two Wire Braid Hose Offers High Flow Demand!



Eaton's new 2.5 in ID hose offers large flow capability in heavy duty applications.

EC230-40 hose is designed and developed to handle petroleum and water based fluids for general industrial service for operating up to 79 bar (1,150 psi).

Applications

Low pressure hydraulic supply and return line circuits on large mobile construction and mining equipment and industrial injection molding machines.

Features

- 2-wire braid construction
- Highly abrasion resistant DURA-TUFF cover
- 4:1 safety factor
- Meets or exceeds SAE 100R2AT Type S performance

Benefits

- Larger ID provides increased flow
- 8 times better abrasion resistance as compared to standard rubber covered hoses
- Working pressures: 79 bar (1,150 psi)
- Max operating temperature: -40°C to +100°C (-40°F to +212°F)
- Qualified with existing Eaton hose nipples and sockets

EATON

Powering Business Worldwide

EC230-40

Meets or exceeds:
SAE 100R2AT Type S Performance



# Part No.	Hose I.D.		Hose O.D.		Maximum Operating Pressure		Burst Pressure		Minimum Bend Radius		Weight		
	DN	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC230-40	60	63,5	2.50	80,2	3.16	79	1150	316	4600	660,0	26.00	3,88	2.61

Construction:

Synthetic rubber tube, double wire braid reinforcement and DURA-TUFF™ synthetic rubber cover.

Operating Temperature:

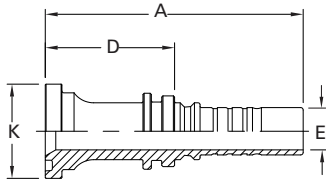
-40°C to +100°C
(-40°F to +212°F)

Application:

Hydraulic system service with petroleum and water-based fluids, for general industrial service.

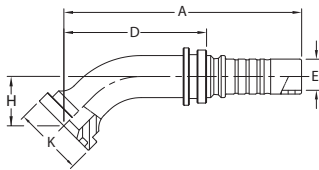
Fittings*

Straight SAE Code 61 Flange



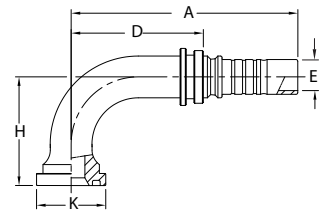
Nipple Part #	Flange Head Dia. K Ø		Hose DN	Hose Size	A		Hose Cutoff Factor (D)		E Ø	
	mm	in			mm	in	mm	in	mm	in
FC8153-3240S	71,4	2.81	60	-40	142,5	5.61	73,6	2.90	44,7	1.76
FC8153-4040S	84,1	3.31	60	-40	138,9	5.47	70.1	2.76	53,3	2.10
FC8153-4840S	101,6	4.00	60	-40	150,4	5.92	82.9	3.26	53,3	2.10

45° SAE Code 61 Flange



Nipple Part #	Flange Head Dia. K Ø		Hose DN	Hose Size	A		Hose Cutoff Factor (D)		E Ø		H	
	mm	in			mm	in	mm	in	mm	in	mm	in
FC8155-3240S	71,4	2.81	60	-40	151,6	5.97	83,8	3.30	44,7	1.76	31,8	1.25
FC8155-4040S	84,1	3.31	60	-40	175,0	6.89	106,2	4.18	53,3	2.10	42,2	1.66

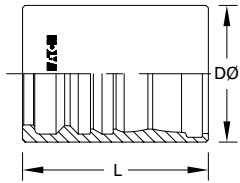
90° SAE Code 61 Flange



Nipple Part #	Flange Head Dia. K Ø		Hose DN	Hose Size	A		Hose Cutoff Factor (D)		E Ø		H	
	mm	in			mm	in	mm	in	mm	in	mm	in
FC8152-3240S	71,4	2.81	60	-40	154,4	6.08	85,6	3.37	44,7	1.76	82,6	3.25
FC8152-4040S	84,1	3.31	60	-40	192,5	7.58	123,7	4.87	53,3	2.10	131,8	5.19
FC8152-4840S	101,6	4.00	60	-40	192,5	7.58	123,7	4.87	53,3	2.10	138,2	5.44

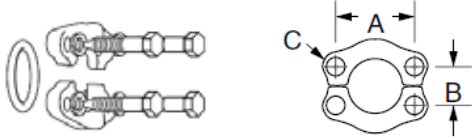
*External brush skiving of the EC230-40 cover is required for final assembly and crimping of the hose fittings.

-40 Socket



Part #	Hose DN	Hose Size	Length (L)		D Ø	
			mm	in	mm	in
FC1346-40S	60	-40	76,2	3.00	88,9	3.50

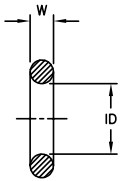
Split Flange



Nominal Flange Size	Complete Kit	*Flange Halves 2 Req'd	*Buna-N O-Ring 1 Required	*Bolts 4 Req'd	*Lock Washer 4 Req'd	A		B		C		Bolt Torque LB.-IN
						mm	in	mm	in	mm	in	
2-1/2	FF593-40	449-74446-40	FF9446-232	FF9442-0828-94	210104-8S	88,9	3.50	50,8	2.00	13,5	0.53	950-1100

*Included in kit.

Flange O-Ring (Material Options)



Part #	Hose DN	Hose Size	Width (W)		ID		Material
			mm	in	mm	in	
FF9446-232	60	-40	3,5	0.139	69,4	2.73	Buna-N
FF9016-232	60	-40	3,5	0.139	69,4	2.73	EPDM
22046-232	60	-40	3,5	0.139	69,4	2.73	Viton

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