

400 & 410 Series Smooth Bore Rubber Hose

The 'industry standard' for years, ATEC 400 series hose is a premium quality Stainless Steel braided synthetic rubber hose. Suitable for use with fuels (excluding use in a cockpit environment), oils and coolants, when matched with ATEC high quality hose ends our 400 series hose will prove a reliable and durable assembly.



400/410 SERIES

400 SERIES

Nitrile Hose, Seamless HSP®

Elastomer Hose with Stainless Steel Braid. Aircraft Quality meets the requirements of MIL-H-83797

Application

Fuel, Methanol Oil, Water, Coolant

Inner Core Reinforced Synthetic Rubber
Braid Hard Drawn Stainless Steel Wire
Operating Temp. -46°C to +150°C (-51°F to 302°F)



Not to be used for fuel inside a cockpit

Hose Size	Inner Dia		Outer Dia		Working Pressure		Burst Pressure		Min Bend Radius		Weight kg/m	Part No.
	mm	In	mm	in	bar	psi	bar	psi	mm	in		
Dash 4	5.56	0.219	11.13	0.438	69	1000	414	6000	50.80	2.00	0.167	643.185
Dash 6	8.73	0.344	13.89	0.547	69	1000	414	6000	63.50	2.50	0.201	643.186
Dash 8	11.12	0.438	16.28	0.641	69	1000	345	5000	88.90	3.50	0.271	643.187
Dash 10	14.27	0.562	20.24	0.797	69	1000	345	5000	101.60	4.00	0.348	643.188
Dash 12	17.47	0.688	23.82	0.928	69	1000	259	3750	114.30	4.50	0.421	643.189
Dash 16	22.22	0.875	29.36	1.156	52	750	172	2500	139.70	5.50	0.552	643.190
Dash 20	28.70	1.125	36.49	1.437	35	500	138	2000	203.20	8.00	0.732	643.191

410 SERIES

Hose, Synthetic Rubber (CPE)

With Integral Stainless Steel Reinforced Synthetic Rubber with Lightweight Fibre Outer Braid

Application

Fuel, Methanol Oil, Water, Coolant

Inner Core Reinforced Synthetic Rubber
Braid Lightweight Fibre Braid
Operating Temp. -46°C to +150°C (-51°F to 302°F)



Not to be used for fuel inside a cockpit

Hose Size	Inner Dia		Outer Dia		Working Pressure		Burst Pressure		Min Bend Radius		Weight kg/m	Part No.
	mm	In	mm	in	bar	psi	bar	psi	mm	in		
Dash 4	5.56	0.219	11.17	0.44	34	500	138	2000	50.8	2.00	0.112	643.903
Dash 6	8.71	0.343	14.22	0.56	34	500	138	2000	63.5	2.50	0.141	643.904
Dash 8	11.13	0.438	17.02	0.67	34	500	138	2000	88.9	3.50	0.179	643.905
Dash 10	14.29	0.562	20.83	0.82	34	500	138	2000	101.6	4.00	0.231	643.906
Dash 12	17.46	0.688	24.38	0.96	24	350	97	1400	114.3	4.50	0.372	643.907
Dash 16	22.23	0.875	29.21	1.15	24	350	97	1400	139.7	5.50	0.476	643.908

8001

00° Hose End

Re-usable Hose End Cutter Type Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Red/Blue	Black
Dash 6	Dash 6	643.001	643.001BK
Dash 8	Dash 8	643.002	643.002BK
Dash 10	Dash 10	643.003	643.003BK
Dash 12	Dash 12	643.004	643.004BK
Dash 16	Dash 16	643.005	643.005BK

4001

00° Hose End

Re-usable Hose End Compression Type Aluminium Anodised Red/Blue or Black

Hose Size	Thread Size	Part No. Red/Blue/Black
Dash 4	Dash 4	643.000
Dash 4	Dash 4	643.000BK
Dash 6	Dash 6	643.301
Dash 8	Dash 8	643.302
Dash 10	Dash 10	643.303
Dash 12	Dash 12	643.304
Dash 16	Dash 16	643.305
Dash 20	Dash 20	643.006



4001X

00° Hose End with Double Female Take Off

Re-usable Hose End Compression Type Aluminium Anodised Red/Blue



Hose Size	Thread Size #1	Thread Size #2	Part No.
Dash 6	Dash 6	M8x1 / M10x1	643.600
Dash 8	Dash 8	M8x1 / M10x1	643.601
Dash 10	Dash 10	M8x1 / M10x1	643.602
Dash 12	Dash 12	M8x1 / M10x1	643.603
Dash 16	Dash 16	M8x1 / M10x1	643.604
Dash 20	Dash 20	M8x1 / M10x1	643.605
Dash 6	Dash 6	M10x1 / M10x1	643.606
Dash 8	Dash 8	M10x1 / M10x1	643.607
Dash 10	Dash 10	M10x1 / M10x1	643.608
Dash 12	Dash 12	M10x1 / M10x1	643.609
Dash 16	Dash 16	M10x1 / M10x1	643.610
Dash 20	Dash 20	M10x1 / M10x1	643.611

4045

45° Block Hose End

Re-usable Hose End Compression Type Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Part No. Red/Blue	Part No. Black
Dash 4	Dash 4	643.306	643.306BK
Dash 6	Dash 6	643.052	643.052BK
Dash 8	Dash 8	643.054	643.054BK
Dash 10	Dash 10	643.056	643.056BK
Dash 12	Dash 12	643.058	643.058BK
Dash 16	Dash 16	643.060	643.060BK

8045

45° Block Swivel Hose End

Re-usable Hose End Cutter Type Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Part No. Red/Blue	Part No. Black
Dash 6	Dash 6	643.051	643.051BK
Dash 8	Dash 8	643.053	643.053BK
Dash 10	Dash 10	643.055	643.055BK
Dash 12	Dash 12	643.057	643.057BK
Dash 16	Dash 16	643.059	643.059BK

4090

90° Block Hose End

Re-usable Hose End Compression Type, Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Part-No. Red/Blue	Part No. Black
Dash 4	Dash 4	643.340	643.340BK
Dash 6	Dash 4	643.341	-
Dash 6	Dash 6	643.023	-
Dash 8	Dash 8	643.025	-
Dash 10	Dash 10	643.027	-
Dash 12	Dash 12	643.029	-
Dash 16	Dash 16	643.031	-

8090

90° Block Swivel Hose End

Re-usable Hose End Cutter Type Aluminium Anodised Red/Blue or Black

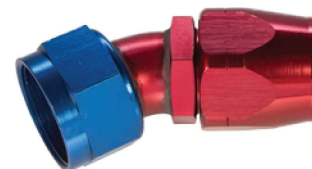


Hose Size	Thread Size	Part No. Red/Blue	Part No. Black
Dash 6	Dash 6	643.022	643.022BK
Dash 8	Dash 8	643.024	643.024BK
Dash 10	Dash 10	643.026	643.026BK
Dash 12	Dash 12	643.028	643.028BK
Dash 16	Dash 16	643.030	643.030BK

4031

30° Swept Hose End

Re-usable Hose End Compression Type, Aluminium Anodised Red/Blue

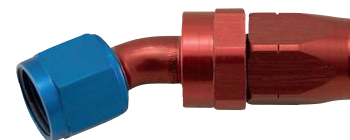


Hose Size	Thread Size	Part No. Red/Blue
Dash 20	Dash 20	643.288

4031

30° Swept Swivel Hose End

Re-usable Hose End Compression Type Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Part No. Red/Blue	Part No. Black
Dash 6	Dash 6	643.290	643.290BK
Dash 8	Dash 8	643.291	643.291BK
Dash 10	Dash 10	643.292	643.292BK
Dash 12	Dash 12	643.293	643.293BK
Dash 16	Dash 16	643.294	643.294BK

4046

45° Swept Hose End

Re-usable Hose End Compression Type Aluminium Anodised Red/Blue

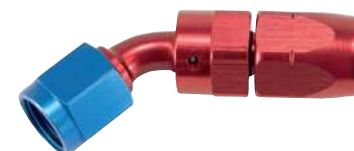


Hose Size	Thread Size	Part No.
Dash 6	Dash 6	643.114
Dash 8	Dash 8	643.116
Dash 10	Dash 10	643.118
Dash 12	Dash 12	643.120
Dash 16	Dash 16	643.122
Dash 20	Dash 20	643.085

4046

45° Swept Swivel Hose End

Re-usable Hose End Compression Type, Aluminium Anodised Red/Blue or Black



Hose Size	Thread Size	Part No. Red/Blue	Part No. Black
Dash 6	Dash 6	643.113	643.113BK
Dash 8	Dash 8	643.115	643.115BK
Dash 10	Dash 10	643.117	643.117BK
Dash 12	Dash 12	643.119	643.119BK
Dash 16	Dash 16	643.121	643.121BK