

# **SPEEDFLOW**

*Australian Made Performance Hose Fittings*

by



**WWW.TECNO2.COM**



**www.speedflow.eu**

**2022 Catalogue**

## 200 SERIES CRIMP HOSE ENDS

### 520 SERIES CRIMP HOSE ENDS

We have continued to expand our range of crimp style fittings to include hose ends that suit our 200 Series hose. We now have double swivel hose ends from -3 to -12 which allow for a fully adjustable 360° orientation after crimping making installation and alignment easy! Limited stocks of the solid hose ends are available as listed - these will be discontinued once stocks are depleted.

										
<b>NEW Double Swivel</b>		<b>NEW Double Swivel</b>			<b>NEW Double Swivel</b>			<b>NEW Double Swivel</b>		
STRAIGHT HOSE ENDS		30° HOSE ENDS			45° HOSE ENDS			60° HOSE ENDS		
PART NO.	SIZE	SOLID	SWIVEL	SIZE	SOLID	SWIVEL	SIZE	SOLID	SWIVEL	SIZE
520-01-04	-4		520-07W-04	-4		520-02W-04	-4		520-08W-04	-4
520-01-06	-6	520-07-06	520-07W-06	-6	520-02-06	520-02W-06	-6	520-08-06	520-08W-06	-6
520-01-08	-8	520-07-08	520-07W-08	-8	520-02-08	520-02W-08	-8		520-08W-08	-8
520-01-10	-10		520-07W-10	-10		520-02W-10	-10		520-08W-10	-10
520-01-12	-12		520-07W-12	-12		520-02W-12	-12		520-08W-12	-12






NEW

Double Swivel

90° HOSE ENDS		
SOLID	SWIVEL	SIZE
	520-03W-04	-4
520-03-06	520-03W-06	-6
520-03-08	520-03W-08	-8
	520-03W-10	-10
	520-03W-12	-12

NEW

Double Swivel

120° HOSE ENDS		
SOLID	SWIVEL	SIZE
	520-04W-04	-4
520-04-06	520-04W-06	-6
	520-04W-08	-8
	520-04W-10	-10
	520-04W-12	-12

NEW




Double Swivel





150° HOSE ENDS		
SOLID	SWIVEL	SIZE
-	520-05W-04	-4
520-05-06	520-05W-06	-6
-	520-05W-08	-8
-	520-05W-10	-10
-	520-05W-12	-12

NEW

Double Swivel

180° HOSE ENDS		
SOLID	SWIVEL	SIZE
	520-06W-04	-4
520-06-06	520-06W-06	-6
	520-06W-08	-8
	520-06W-10	-10
	520-06W-12	-12

									
HOSE ENDS - STEEL				90° STEPPED HOSE END			FEMALE - CONCAVE SEAT		
STRAIGHT	45 DEG	90 DEG	SIZE	PART NO.	NUT	HOSE	PART NO.	SIZE	THREAD
520-01-03-S	520-02-03-S	520-03-03-S	-3	520-03-43-S	-4	-3	520-42-03-BN	-3	3/8"-24
520-01-04-S	520-02-04-S	520-03-04-S	-4				520-74-03-F-S	-3	1/8"NPT
							Designed to accept 3/8" Bleed Nipple for remote bleeding of Clutch or Brake systems.		

											
MALE - INVERTED SEAT			FEMALE - CONCAVE SEAT			BENT 10MM (3/8") EYE			STRAIGHT 8mm EYE		
PART NO.	SIZE	THREAD	PART NO.	SIZE	THREAD	PART NO.	SIZE	ANGLE	PART NO.	SIZE	
520-50-03-S	-3	3/8"-24	520-40-03-S	-3	M10 x 1.00	520-10-33-S	-3	30°	520-09-03-S	-3	
520-51-03-S	-3	M10 x 1.00	520-41-03-S	-3	M10 x 1.25	520-10-43-S	-3	45°			
520-52-03-S	-3	M10 x 1.25	520-43-03-S	-3	M12 x 1.00	520-10-93-S	-3	90°			
520-54-03-S	-3	M12 x 1.00	Long body with C-Clip Groove.						STRAIGHT 10mm (3/8") EYE		
Swivel Nut on inverted seat tube.									PART NO.	SIZE	
									520-10-03-S	-3	
									520-10-04-S	-4	
									STRAIGHT 7/16" EYE		
									PART NO.	SIZE	
									520-11-03-S	-3	
									520-11-04-S	-4	



## 550 SERIES LIGHT WEIGHT

### 550 SERIES CRIMP EQUIPMENT

To assemble our 550 Series hose ends, the assembly needs to be crimped to our sized specification. We offer an in house crimping service via our distributor network or you can purchase a crimping machine and corresponding dies to suit each size.



CRIMPING MACHINE	
PART NO.	STYLE
550-500	Stand Alone - Pneumatic Pump
550-500-E	Electric Motor Driven

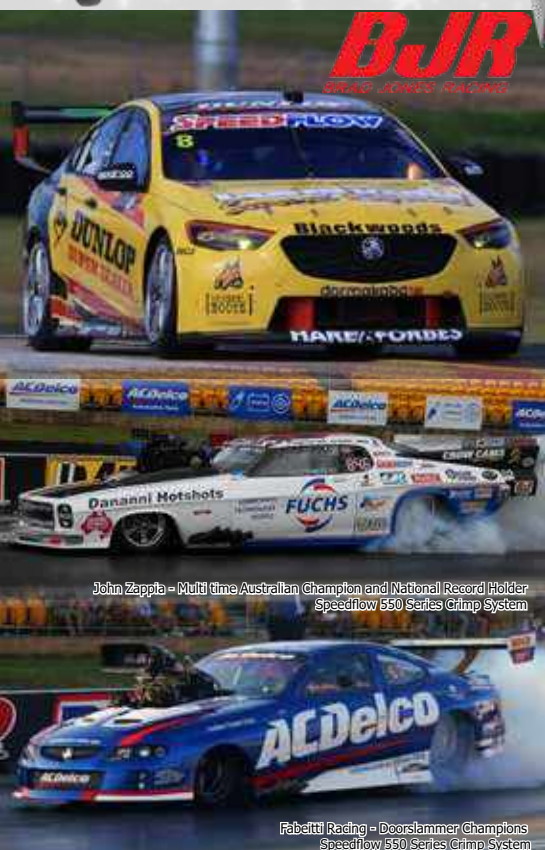
The 550 Series Hose Crimpers are the "go anywhere" crimpers with the power and portability to quickly crimp the Speedflow 550 Series assemblies. The micrometer style adjustment of the crimper allows the hose and fitting combinations to be crimped to exact specifications without the need for special shims or spacers. The Stand Alone Hose Crimper offers the ultimate in portability, and utilises a separate pneumatic pump which requires a constant supply of 80psi air pressure. Dies to suit hose sizes are sold separately so that you can purchase the sizes that you require. Other crimpers are available by special order.



CRIMPING DIES		
PART NO.	HOSE SERIES	MIN DIA.
550-5M07	200-02	7mm
550-5M08	200-03	8mm
550-5M09	-	9mm
550-5M10	200-04, 550-04, 550-900	10mm
550-5M14	200-06, 550-06	14mm
550-5M16	200-08 & -10, 550-08	16mm
550-5M19	-	19mm
550-5M22	200-12, 550-10	22mm
550-5M25	550-12	25mm
550-5M29	-	29mm
550-5M31	550-16	31mm

SPARES	
PART NO.	DESCRIPTION
550-500-01	Pusher
550-500-02	Compression Cone
550-500-03	Pressure Plate
550-500-04	Micrometer
550-500-10	Crimp X Oil 4oz

We have these replacement parts available just in case you accidentally damage anything. We have also had customers use these with hydraulic presses to make their own crimping set up.

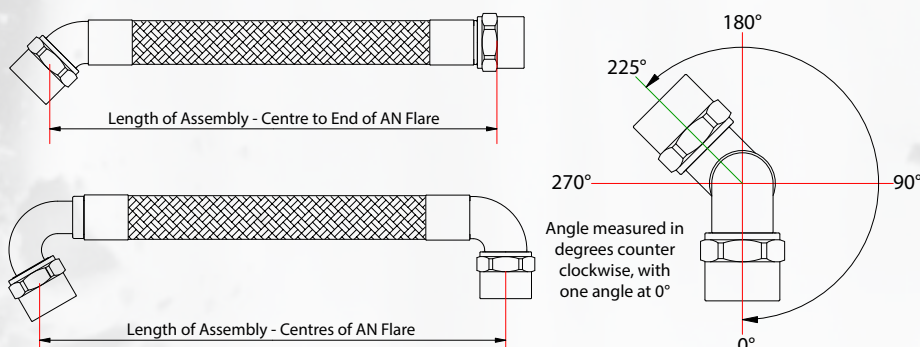


### MEASURING HOSE ASSEMBLIES LENGTH AND ORIENTATION

Below are some examples of how to measure the assemblies. The overall length is measured from the centre of the AN flare for angles and the end of the AN flare for straight hose ends. The angle orientation is measured in degrees from the centre line of the first fitting placed at 0° as per the diagram below. The measurement is taken in an Counter Clockwise direction as per the international standards. We now offer double swivel hose ends that offer 360° adjustable orientation after crimping for ease of installation.

Please contact your nearest dealer or the factory if you have any questions or require help in specifying the length or angles of your assemblies.

A order form is available from dealers to make your crimp hose assembly order much simpler.





## 550 SERIES LIGHT WEIGHT

*SF-Lite is the newest addition to the Speedflow range, and this is the most technologically advanced hose system available!*

*The hose has a carbon impregnated anti-static PTFE inner tube that is manufactured with a smooth-bore and convolutions on the outside which allows for improved flexibility. Being a smooth-bore hose, there are no voids that can create turbulence or trap debris as commonly found with a fully convoluted hose.*

*SF-Lite is available in six sizes from -4 to -16, all with a large bore size allowing greater volume to be carried at higher flow rates.*

*SF-Lite comes in a choice of two braid options, Aramid Fibre braid or Stainless Steel braid.*

*Aramid fibre braid is a strong, flexible and lightweight cover that has well-known characteristics of durability and extraordinary tensile strength along with a high temperature rating.*

*Stainless Steel braid is made from 304 stainless steel and offers a much tighter bend radius along with full vacuum rating below 130°C and protects the PTFE liner against internal pressure and mechanical abuse.*

*SF-Lite has an even higher resistance to permeation than a standard smooth-bore PTFE hose thanks to the unique manufacturing process which highly compresses the PTFE matrix ensuring a nonporous structure. This makes SF-Lite compatible with all automotive fluids including fuels such as E85 along with refrigeration gases making it perfect for AC lines.*

*SF-Lite utilises our new crimp system, and lightweight hose end series. The majority of the angled hose ends are made from our unique one piece formed bends that offer the most compact hose ends on the market with exceptional strength and allow us to achieve weights comparable to other industry leaders for light weight systems.*



### 550 SERIES TEFLON® ARAMID BRAIDED HOSE

Speedflow's light weight system starts with a black antistatic smooth bore PTFE (Teflon®) liner tube manufactured with convolutions on the outside which makes for high flow with the flexibility of a tighter bend radius than our standard 200 Series hose. We offer our light weight hose with an Aramid Fibre Braid which is light weight, abrasion and heat resistant. The working pressure rating will reduce by 1% per 1°C at temps above 130°C up to a maximum of 180°. The manufacturer does not specify this as a Vacuum rated hose. For vacuum applications use the below Stainless Steel Braided version.

**Temperature Range: -70°C (-94°F) to 180°C (356°F).**

SIZE	PART NO.	INSIDE DIA.		OUTSIDE DIA.		OPERATING PRESS.		BURST PRESS.		WEIGHT		BEND RADIUS	
		INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	KG/M	LB/FT	INCH	MM
-4	550-04	0.270	6.8	0.378	9.6	900	62	2750	190	0.056	0.038	1.50	38.0
-6	550-06	0.394	10.0	0.534	13.5	810	56	2500	172	0.095	0.065	2.00	50.8
-8	550-08	0.536	13.6	0.690	17.5	600	42	1850	127	0.135	0.090	3.00	76.2
-10	550-10	0.658	16.7	0.843	21.0	510	35	1550	106	0.215	0.145	4.00	101.6
-12	550-12	0.780	19.8	0.948	24.1	430	29	1260	86	0.250	0.165	5.00	127.0
-16	550-16	1.039	26.4	1.250	31.3	400	28	1200	83	0.370	0.250	6.00	152.4

Teflon® is a registered trademark of DuPont.



### 550 SERIES TEFLON® STAINLESS STEEL BRAIDED HOSE

The Stainless Steel braided version is made from the same liner as above, utilising a 304 Stainless Steel braid which provides more rigidity and flexibility, which is important when working in tight situations.

The working pressure rating will reduce by 1% per 1°C at temps above 160°C up to a maximum of 260°.

This hose is vacuum resistant up to 130° (266°F).

**Temperature Range: -70°C (-94°F) to 180°C (356°F).**

SIZE	PART NO.	INSIDE DIA.		OUTSIDE DIA.		OPERATING PRESS.		BURST PRESS.		WEIGHT		BEND RADIUS	
		INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	KG/M	LB/FT	INCH	MM
-6	550-206	0.394	10.0	0.534	13.5	1160	80	3480	240	0.160	0.107	1.00	25.4
-8	550-208	0.536	13.6	0.690	17.5	870	60	2610	180	0.225	0.151	1.50	38.1
-10	550-210	0.658	16.7	0.843	21.0	730	50	2190	150	0.336	0.226	2.00	50.8
-12	550-212	0.780	19.8	0.948	24.1	610	42	1830	126	0.383	0.257	2.50	63.5
-16	550-216	1.039	26.4	1.250	31.3	580	40	1740	120	0.540	0.362	3.00	76.2

Teflon® is a registered trademark of DuPont.

## 550 SERIES LIGHT WEIGHT

### 550 SERIES HOSE ENDS

Speedflow's 550 Series is the ultimate in our range, light, strong and flexible. Our range of hose ends starts to our non swivel versions which are lightest version, Made in Australia from quality 6061-T6 grade aluminium utilising our unique full flow formed bend\* which is the strongest and most compact hose end bend in the industry! Black collars are also available, add -BLK to part number.



STRAIGHT HOSE ENDS	
BLK / NAT	SIZE
551-04	-4
551-06	-6
551-08	-8
551-10	-10
551-12	-12
551-16	-16



30° HOSE ENDS	
BLK / NAT	SIZE
557-04	-4
557-06	-6
557-08	-8
557-10	-10
557-12	-12
557-16	-16



45° HOSE ENDS	
BLK / NAT	SIZE
552-04	-4
552-06	-6
552-08	-8
552-10	-10
552-12	-12
552-16	-16



60° HOSE ENDS	
BLK / NAT	SIZE
558-04	-4
558-06	-6
558-08	-8
558-10	-10
558-12	-12
558-16	-16



90° HOSE ENDS	
BLK / NAT	SIZE
553-04	-4
553-06	-6
553-08	-8
553-10	-10
553-12	-12
553-16	-16



120° HOSE ENDS	
BLK / NAT	SIZE
554-04	-4
554-06	-6
554-08	-8
554-10	-10
554-12	-12
554-16	-16



150° HOSE ENDS	
BLK / NAT	SIZE
555-04	-4
555-06	-6
555-08	-8
555-10	-10
555-12	-12
555-16	-16



180° HOSE ENDS	
BLK / NAT	SIZE
556-04	-4
556-06	-6
556-08	-8
556-10	-10
556-12	-12
556-16	-16

\* 120°, 150° & 180° angles in -10, -12 & -16 are made using a brazed tube design - not our one piece formed bend.



90° HOSE END TO ORB PORT	
BLK / NAT	SIZE
553-P12-12	-12
These have a -12 Port Thread to -12 Hose	



BANJO HOSE END	
BLK / NAT	SIZE
720-55-06	-6
Banjo with 14.5mm Eye to suit 550-06 Hose	



REPLACEMENT COLLARS		
NATURAL	BLACK	SIZE
C5500-04-NAT	C5500-04-BLK	-4
C5500-06-NAT	C5500-06-BLK	-6
C5500-08-NAT	C5500-08-BLK	-8
C5500-10-NAT	C5500-10-BLK	-10
C5500-12-NAT	C5500-12-BLK	-12
C5500-16-NAT	C5500-16-BLK	-16





## 550 SERIES LIGHT WEIGHT

### 550 SERIES DOUBLE SWIVEL HOSE ENDS

All our 550 Series hose ends are now available in a double swivel option for a full 360° adjustment. This allows for the hose to be rotated once the hose ends are crimped making alignment for installation a breeze.



**NEW**  
Double Swivel

#### 30° HOSE ENDS

BLK / NAT	SIZE
557-04W	-4
557-06W	-6
557-08W	-8
557-10W	-10
557-12W	-12
557-16W	-16



**NEW**  
Double Swivel

#### 45° HOSE ENDS

BLK / NAT	SIZE
552-04W	-4
552-06W	-6
552-08W	-8
552-10W	-10
552-12W	-12
552-16W	-16



**NEW**  
Double Swivel

#### 60° HOSE ENDS

BLK / NAT	SIZE
558-04W	-4
558-06W	-6
558-08W	-8
558-10W	-10
558-12W	-12
558-16W	-16



**NEW**  
Double Swivel

#### 90° HOSE ENDS

BLK / NAT	SIZE
553-04W	-4
553-06W	-6
553-08W	-8
553-10W	-10
553-12W	-12
553-16W	-16



**NEW**  
Double Swivel

#### 120° HOSE ENDS

BLK / NAT	SIZE
554-04W	-4
554-06W	-6
554-08W	-8
554-10W	-10
554-12W	-12
554-16W	-16



**NEW**  
Double Swivel

#### 150° HOSE ENDS

BLK / NAT	SIZE
555-04W	-4
555-06W	-6
555-08W	-8
555-10W	-10
555-12W	-12
555-16W	-16



**NEW**  
Double Swivel

#### 180° HOSE ENDS

BLK / NAT	SIZE
556-04W	-4
556-06W	-6
556-08W	-8
556-10W	-10
556-12W	-12
556-16W	-16

\* 120°, 150° & 180° angles in -10, -12 & -16 are made using a brazed tube design - not our one piece formed bend.



**Joe Woods "Dominator" from Street Outlaws  
Speedflow 550 Series**



## MECHANICAL INJECTION LINES



### MECHANICAL FUEL INJECTION HOSE

Our mechanical fuel injection hose is manufactured by Parker meeting the SAE 30R3 specification. This hose has a smooth outer cover with a fabric braided inner for strength and flexibility and a inner tube designed to withstand fuels.

This hose suitable for use with synthetic lubricants, oils, air and methanol.

**Temperature Range: -40°C (-40°F) to 93°C (199°F).**

SIZE	PART NO.	INSIDE DIA.		OUTSIDE DIA.		OPERATING PRESS.		BURST PRESS.		WEIGHT		BEND RADIUS	
		INCH	MM	INCH	MM	PSI	BAR	PSI	BAR	KG/M	LB/FT	INCH	MM
3/16"	550-900	0.1875	4.76	0.3600	9.14	500	34	1500	103	0.067	0.045	1.60	40.4

### FUEL INJECTION HOSE ENDS

We have looked at the issues commonly found with mechanical injection lines, technology that has not changed in many decades! As pressures increase and flow is more critical than ever in high horsepower alcohol engines, failure of these lines has become more common.

Introducing the new Speedflow range of hose ends, these are lightweight, strong and high flowing! The 45° & 90° hose ends are a true flowed one piece formed bend allowing the best possible flow to the nozzle. We have male threaded hose ends also available in 3/8"-24 O-ring Port and NPT to give the option of screwing directly into the distribution blocks. The crimp collars are made from 6061-T6 aluminium and require a crimp machine to crimp to the correct diameter. We have pressure tested these hoses to exceed the burst pressure of the hose without the hose ends failing!

Manufactured in Australia from 6061-T6 aluminium and hard coat anodised to withstand the harsh environment these hoses encounter!



STRAIGHT HOSE ENDS	
BLK / NAT	SIZE
550-901	3/8" SAE
3/8" SAE Female (45° Flare) to suit Injection Nozzles	

45° HOSE ENDS	
BLK / NAT	SIZE
550-902	3/8" SAE
3/8" SAE Female (45° Flare) to suit Injection Nozzles	

90° HOSE ENDS	
BLK / NAT	SIZE
550-903	3/8" SAE
3/8" SAE Female (45° Flare) to suit Injection Nozzles	

MALE THREAD HOSE ENDS	
BLK / NAT	SIZE
550-911	3/8"-24 UNF
550-912	1/8"NPT

### INJECTION HOSES MADE TO ORDER

Hoses are available crimped and ready to use from the factory, just supply the angle of the fittings required and a length - we take care of the rest! Contact your local dealer for more information.



### COLLAR TO SUIT 200 SERIES HOSE

We also offer our -4 200 Series PTFE smoothbore hose to fit our range of injection fittings. This hose offers superior performance of Teflon hose along with the option of either standard stainless braid to match the rest of your engine or a smooth easy to clean PVC outer cover.

We have manufactured a collar to suit the 200-04 hose, this is available as a separate part number which works in conjunction with the above hose ends and the PTFE hose. We have also incorporated a recess inside the collar to hide the end of the PVC cover if this hose is used for a professional finish!

NEW 2022 -4 COLLARS	
PART NO.	SIZE
C5500-904	200-04
Collar to be used with 200-04 Hose	