

Dill Air Controls Products, LLC

We are a part of **your life**, everyday! And working everyday to **make it better**.



Quality Products Since 1909

Dill Air Controls Products, LLC

Quality Policy

"It is the policy of **Dill Air Controls Products** to meet or exceed **Internal** and **External Customer Expectations** by providing superior **Products and Services**.

We do this by focusing on **Customer-led Quality Objectives** and continually improving **The Quality Management System.**"



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Tire Pressure Monitoring System (TPMS)



Accessory kits consist of components to support various makes and models.



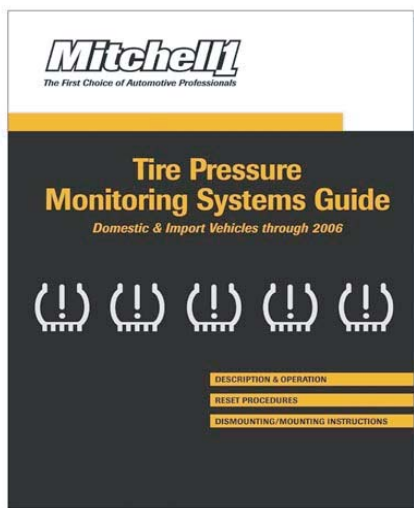
Replacement Components

100-TP	TPMS Valve Core
630-N	TPMS Valve Cap

Dill #	Replacement Valves (No Sensor)
1092	Beru Valve 43mm (No Mark)
1093	Beru Valve 48mm (Marked Green)
1094	Beru Valve 49mm (Marked Black)
1095	Beru Valve 51mm (Marked Orange)

Dill #	Replacement Component Kits
1030K	Siemens kit for Volkswagon
1040K	Siemens kit for Mercedes-Benz
1050K	Siemens kit for Dodge, Jeep, Chrysler, and Mazda
1060K	Equivalent to SC 20001, 20002, 20096, 20135
1070K	Equivalent to SC 20004, 20107, 20115, 20116
1080K	Equivalent to SC 20003, 20025, 20117
1090K	Beru component kit
1100K	Pacific component kit
1110K	Pacific component kit
1120K	Pacific component kit

Tire Pressure Monitoring Sensors



5101 Mitchell Manual



Dill #	Sensors Assemblies
1051	Siemens Model Year 2005-06 Chrysler, Dodge,
1052	Siemens Model Year 2004 Chrysler Sensor
1053	Siemens Volkswagen Sensor
1054	Siemens Mercedes-Benz Sensor
1055	Siemens Land Rover/Jaguar Sensor
1056	Siemens Mazda Sensor

Torque Wrenches



Dill Part Number: 5414
Torque Screwdriver
Valve Core Driver With
Preset Torque To
Tire & Rim Standards



Dill Part Number: 5102
Torque Wrench
Micrometer Torque Wrench
0-200 in-lbs For TPMS
Hex Nuts (Made In USA)

(Call for more information on our latest Kits, Sensors and Tools!)

Tubeless Snap-in Tire Valves

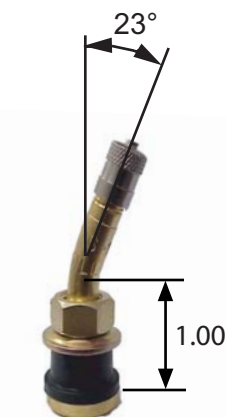
Application: Tire valves for passenger car, trailer, light truck, industrial utility, motorcycle, and garden tractor vehicles.

Dill USA #	Dill ACP#	TR #	DESCRIPTION	EFF. LENGTH (A)	VALVE HOLE
T-12-R	T-12-WZ	412	65 psi max. cold inflation pressure	0.88"	0.453"
T-13-R	T-13-WZ	413	65 psi max. cold inflation pressure	1.25"	0.453"
T-14-R	T-14-WZ	414	65 psi max. cold inflation pressure	1.50"	0.453"
T-15-R	T-15-WZ	415	65 psi max. cold inflation pressure	1.25"	0.625"
T-18-R	T-18-WZ	418	65 psi max. cold inflation pressure	2.00"	0.453"
T-23-R	T-23-WZ	423	65 psi max. cold inflation pressure	2.50"	0.453"
T-25-R	T-25-WZ	425	65 psi max. cold inflation pressure	2.00"	0.625"
E-600-D	E-600-WZ	600HP	80 psi max. cold inflation pressure	1.27"	0.453"
T-12-S	T-12-WZS	412	Chrome Sleeve TR-412 Valve	0.88"	0.453"
T-13-S	T-13-WZS	413	Chrome Sleeve TR-413 Valve	1.25"	0.453"
T-14-S	T-14-WZS	414	Chrome Sleeve TR-414 Valve	1.50"	0.453"
T-18-S	T-18-WZS	418	Chrome Sleeve TR-418 Valve	2.00"	0.453"
T-23-S	T-23-WZS	423	Chrome Sleeve TR-423 Valve	2.50"	0.453"
E-600-S	E-600-WZS	600HP	Chrome Sleeve TR-600HP Valve	1.27"	0.453"

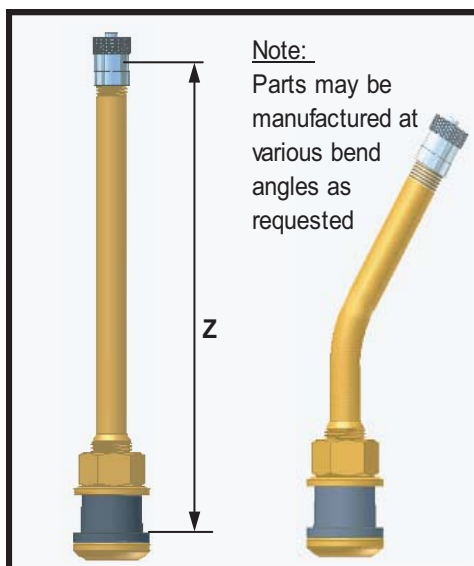
* Recommended max. rim thickness at valve hole for 65 psi inflation pressure snap-in valves is 0.156". For 80 psi snap-ins, max. rim thickness is 0.205".



Clamp-In Valves (For 0.625" Valve Hole)



VS-1223WZ



Truck Valves

Dill #	TR #	Effective Length Z
VS-570R	570	3.13"
VS-570-WZA	570	3.13"
VS-571R	571	3.38"
VS-571-WZA	571	3.38"
VS-572R	572	3.75"
VS-572-WZA	572	3.75"
VS-573R	573	4.38"
VS-573-WZA	573	4.38"
VS-574R	573	4.38"
VS-574WZA	573	4.38"
TR-575	575	1.13"
VS-903R	575	1.13"
VS-1223R	-	1.00"
VS-1223-WZ	-	1.00"

High Performance Valves for Specialty Wheels (Pressure Rated To 200 PSI)

VS-944DW

- *Dill ACP
- *Chrome low profile valve
- *Sealing valve cap
- *0.453" valve hole
- *0.750" effective length



VS-944R

- *Dill USA
- *Chrome low profile valve
- *Sealing valve cap
- *0.453" valve hole
- *0.750" effective length



VS-945

- * Chrome low profile valve
- * Sealing valve cap
- * 0.625" valve hole
- * 0.750" effective length



VS-911 (TR417)

- *Design to fit unusual valve hole location of late model Toronado and Eldorado
- *0.453" valve hole



Truck Valves

High Performance Valves for Specialty Wheels (Pressure Rated to 200psi)

TR416

- *Chrome low profile valve
- *Sealing valve cap
- *0.453" & 0.625" valve hole
- *1.44" effective length



VS-902CR (TR416)

- *Dill USA
- *Chrome low profile valve
- *Sealing valve cap
- *0.453" & 0.625" valve hole
- *1.44" effective length
- *2 Grommets for 0.453 & 0.625" valve holes



VS-902-W (TR416)

- *Chrome low profile valve
- *Sealing valve cap
- *0.453 & 0.625" valve hole
- *1.44" effective length



VS-902-WP (TR416)

- *Sealing plated extension
- *0.453 valve hole
- *1.44" effective length
- *6541-N sealing valve extension
- *Sealing chrome valve cap



VS-962C

- *Ford F-Series Trucks with inner dual wheels
- *Sealing metal cap
- *0.453 valve hole

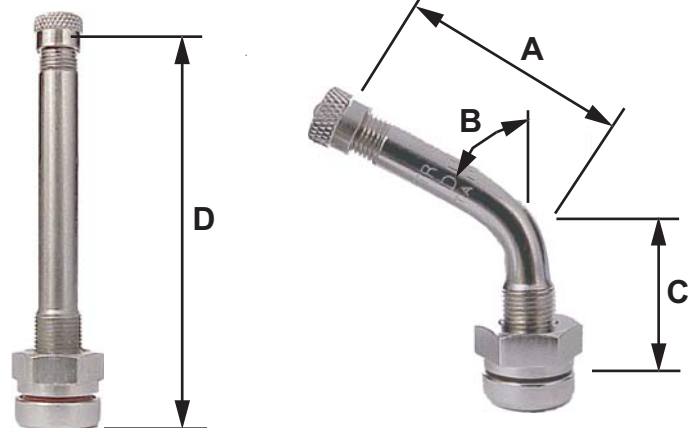


VS-902K

- *Ford F-Series Trucks with outer steel wheels
- *Sealing metal extension
- *0.453 valve hole
- *1.44" effective length



(For 9.7mm Valve Hole)

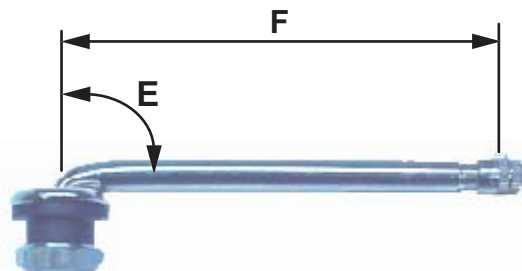
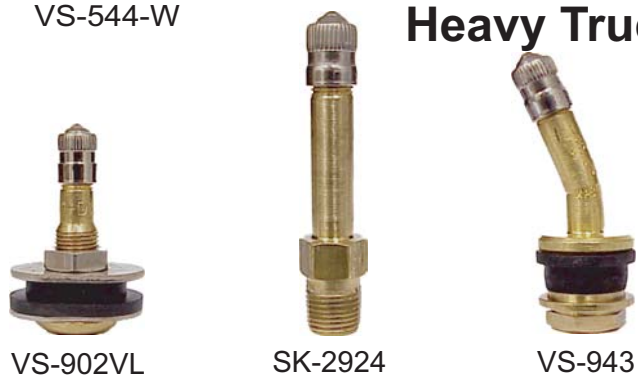


O-Ring Clamp-In Valves

Dill #	TR #	A	B	C	D
V3-204	-	2.38	27°	1.19	-
V3-205	-	1.56	27°	1.19	-
V3-206	-	3.35		0.98	-
V3-207	-	1.97		0.99	-
VS-542	542	-	-	-	1.47
VS-543	543	-	-	-	2.52
VS-543C	543C	1.38	45°	0.93	
VS-543D	543D	1.38	60°	0.98	
VS-543E	543E	1.38	75°	0.98	
VS-544	544	-	-	-	3.07
VS-544D	544D	1.94	60°	0.98	
VS-544E	-	-	-	-	2.52
VS-545B	-	2.20	26°	1.38	-
VS-545C	-	2.60	36°	0.98	-
VS-545D	545D	2.60	60°	0.98	-
VS-545E	545E	2.60	75°	0.98	-
VS-546B	-	3.35	26°	0.98	-
VS-546D	546D	3.36	60°	0.98	-
VS-546E	546E	3.37	75°	0.98	-
VS-546G	-	3.38	36°	0.98	-
VS-546-G-36	546-36	3.35	36°	0.98	-
VS-547D	-	3.78	60°	0.98	-
VS-551	-	1.6	26°	1.6	-
VS-1229	-	2.40	27°	2.40"	-

VS-544-W

Heavy Truck & Commercial Vehicle Tire Valves



Dill #	TR #	Valve Hole	Angle E	Length F
VS-943	-	0.625"	21°	1.00"
SK-2924	-	1/8" NPT	-	1.62"
VS-902VL	-	0.625X0.875"	-	-

Dill #	TR #	Valve Hole	Angle E	Length F
VS-879-RW	510	0.625"	90°	5.50"
VS-946-RW	509	0.625"	90°	4.75"
VS-949-RW	511	0.625"	90°	4.25"

VS-1218 Motorcycle Valve

- * TR 430
- * O-ring seal
- * 0.327" valve hole
- * 1.18" effective length



VS-954 Motorcycle Valve

- * TR 435
- * Nickel plated
- * 0.453" valve hole
- * 1.29" effective length



Super Large Bore Valve

Super large bore valves are designed to allow significantly greater airflow than then large bore valves. Super large bore systems allow for quicker and easier inflation/deflation of large vehicles and tire sizes. Off-road applications include mining, construction, and forestry equipment, as well as tractors and farm implementations.



CH8



SP8B



CH16



HN80



VS-1065

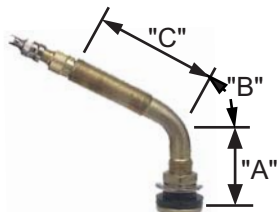
Dill #	Type	Features
CH8	Core Housing	Used with large and super large bore studs - utilizes and o-ring seal
SP8B	Clamp-in Spud	For 0.812 valve hole. Tire must be dismounted from the rim for assembly. Spud is securely tighten into the valve hole with a hex nut.
CH16	Core Housing	Liquid filling
HN80	Hex Nut	0.687-24 super large bore valve threads
VS-1065	Valve Assembly	1.063-12 super large bore valve threads, Caterpillar. O-ring Seal

Standard & large bore valves are designed to provide fast and convenient inflation and deflation of various tire sizes. Typical applications include off-highway vehicles, heavy and light duty trucks and agricultural vehicles.

Standard & Large Bore Valves - Off Road Vehicles



VS-922AR



VS-921AR
& VS-923AR



8969



VS-936RW



VS-936RZ



VS-1016AR



VS-714AR



VS-714P

Dill #	TR #	Height "A"	Bend "B"	Length "C"	Valve Hole	Part Information
VS-714AR	618A	1.88	-	-	0.62	Air/liquid valve, removable 6489A
VS-714-WZA	CH3	1.88	-	2.97		Screwdriver cap an octagon
VS-714-WZD	CH3	1.88	-	4.53		Dome cap R Knurled
VS-714-P	618A	1.88	-	2.25		Snap-in
VS-921AR	621A	-	65°	-	-	Liquid filler valve
VS-922AR	622A	-	90°	-	-	Liquid filler valve, use extension 301A
VS-923AR	623A	-	65°	-	-	Liquid filler valve, use extension 302A
VS-936RW	-	0.56	-	-	0.45	Minimum protrusion above rim hole
VS-936RZ	-	0.56	-	-	0.63	Minimum protrusion above rim hole
VS-1016AR	619A	1.88	-	-	0.81	Air/liquid valve, removable 6489A

Replacement Parts

Replacement Components



265



301A



302A



447



452



454



457



459



VS-977



VS-977P



6489



6489A



9061



8807

Dill #	Description	TR #	Part Information
265	Hex Nut	HN15	J691,J690 Brass
301A	Extension	-	90° bend for tube valve application
302A	Extension	-	80° bend for tube valve application
447	Rubber Grommet	RG7	For Tubeless VS-714AR air/liquid valves, fits 0.62 inch rim hole, EPDM
452	Rubber O-ring	RG-67	For 6489A core housing, VS-714, Nitrile
454	Rubber Grommet	RG22	For VS-977 spud, EPDM
457	Rubber O-ring	RG-66	For swivel valve, Nitrile
459	Rubber Grommet	RG-16	for planetary gear valves, EPDM
VS-977	Valve Spud	SP2	Seals to 0.81 inch valve hole
VS-977P	Rim Hole Plug	-	Plug seal for 0.81 valve hole
6489	Core Housing	CH1	Fits old style TR 218, TR220 valves
6489A	Core Housing	CH3	Standard bore, o-ring seal, Octagon design (knurl also available)
8807	Adapter	AD1	Reduce large bore threads to 0.302-32 standard bore
9061	Adapter	AD1	Equivalent female threads fit large bore valve to convert to standard bore

Large Bore Swivel Valves

Bundyweld valve stems simplify valve servicing. Protected with neoprene covering, they are easy to mount. Adjustable to any direction and have an o-ring seal. Interchangeable for either tube or tubeless applications.

Large Bore Swivel Valve Stems

Dill #	TR #	Height "A"	Length "B"	Bend "C"
J-650R	J650-01	1.08	3.12	80°
J-669R	J669-01	1.08	2.5	90°

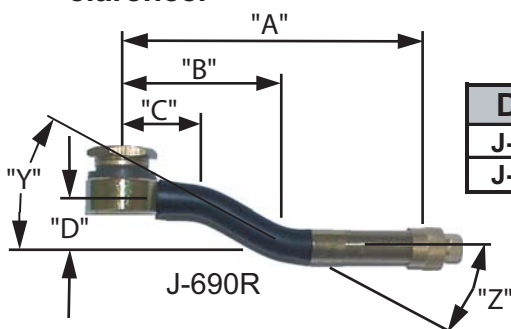


J-650R &
J-669R

Turret style non-swivel valves designed to meet special requirements of integral wheel construction, providing the lowest protrusion above the rim surface for maximum drum clearance.

Large Bore Planetary Gear Wheel Valves

Dill #	TR #	"A"	"B"	"C"	"D"	"Y"	"Z"
J-690R	J-690R	4.69	2.31	1.25	0.56	28°	28°
J-691R	J-691	3.31	-	0.62	-	18°	-



J-690R



J-691R

J-670R
Tire & Rim Number: J670
Large Bore Threaded Valve



0.482-26 Tread

0.50-20 NF-2 Thread

1.62 Valve Height without Valve Cap

O-ring seal, for single drive wheels.

Specialty Standard Bore Military Valves



VS-1072



VS-1090

Turret style non-swivel valves, designed to meet requirements of military carriers.

Large Bore Service Tools



5260



5263



5267



5264



5268



5261



5265



5262



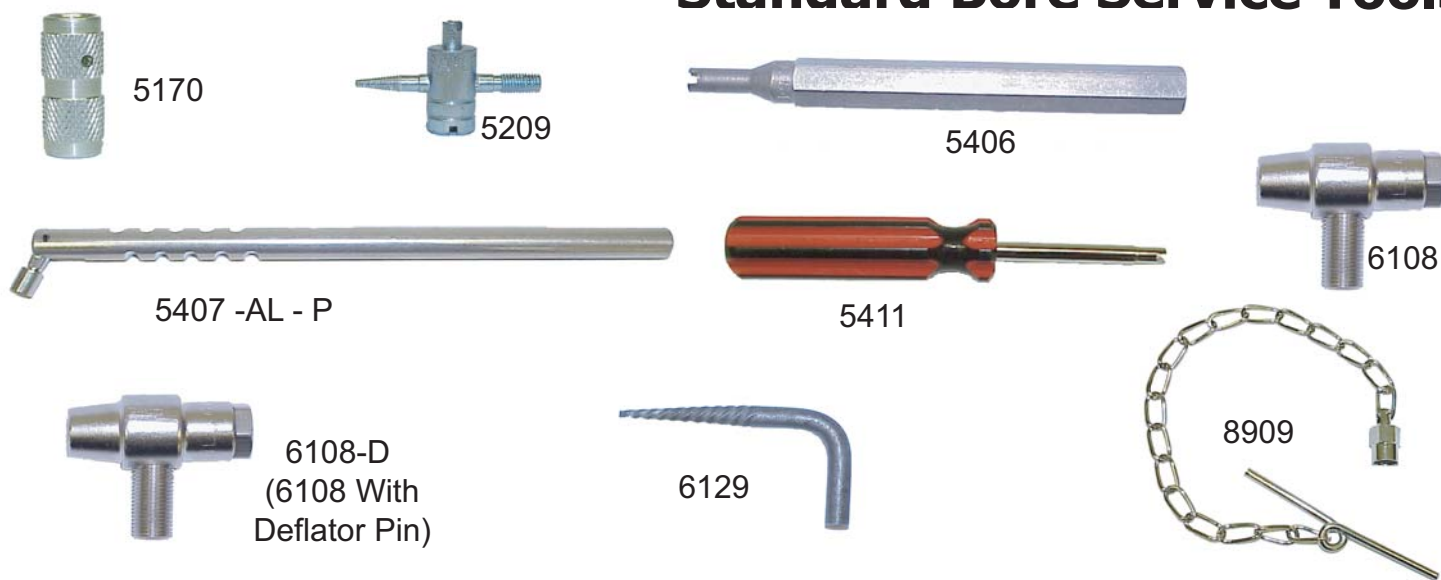
5266



8909-C

Dill #	Type	Features/Applications
5260	Large Bore Valve Tool Kit	Contains eight tools (5261 through 5268), packed in a handy pouch
5261	Hex Valve Cap Tool	Installs and removes hex type valve caps
5262	Valve Stem Refacer	Refaces valve mouth to provide perfect seat with cap
5263	Stem Rethreader (Inside)	Rethreads inner .307-32 threads
5264	Stem Reseater	Cleans valve seat for airtight seal with valve core
5265	Valve Core Tool	Quickly inserts and removes large bore cores
5266	Stem Rethreader	Rethreads outer .482-26 threads
5267	Valve Core Extractor	Removes cores with broken swivels, left-hand thread allows for easy removal
5268	Valve Cap Tool	For 8971 screwdriver type caps
8909-C	Large Bore Valve Fishing Tool	Aligns and holds large bore valve in position with valve hole while mounting tire, fits all valve hole sizes

Standard Bore Service Tools



Dill #	Type	Features/Applications
5170	Valve Core Wrench & Tire Deflator	Dual purpose tool, becomes tire deflator when screwed firmly over valve
5209	4-Way Valve Tool	Inserts and removes valve cores including cores with broken swivels, cleans and recuts threads on both inside and outside of valve
5406	Core Inserter	Hexagonal, all metal, overall length 3" for positive finger tip control, nickel plated
5407	Snap-in Valve Installation	Rugged tool handles any length snap-in valve in any size rim, screws over valve threads, quickly install snap-in valves by applying pulling pressure
5407-AL	Snap-in Valve Installation	Rugged tool handles any length snap-in valve in any size rim, screws over valve threads, quickly install snap-in valves by applying pulling pressure. Sturdy tool with aluminum handle.
5407-P	Snap-in Valve Installation	Rugged tool handles any length snap-in valve in any size rim, screws over valve threads, quickly install snap-in valves by applying pulling pressure. Sturdy tool with plastic handle.
5411	Snap-in Valve Core Screwdriver	Compact, sturdy tool with plasti handle, allows firm grip to insert and remove valve cores, measure 4.37" overall
6108	Tube Deflator	Quickly deflates tubes by applying air pressure to side inlet with air chuck, pressure action siphons air from tube
6108-D	Deflating Nozzle	Same as 6108 with additional deflator pin
6129	Core Extractor	Easy out, left-handed thread easily removes core with broken swivel
8909	Valve Fishing Tool	Aligns and holds valve in position with valve hole while mounting tire, fits all valve hole sizes

Dill valve extensions provide the additional length necessary to inflate, deflate or gauge tires with valves hidden by decorative wheel covers. Available in nickel plated brass or nylon in various lengths.

Valve Extensions



Effective Length	Dill #	Material
0.75	6241M	Nickel Plated Brass
1.25	6241G	Nickel Plated Brass

Effective Length	Dill #	Material
0.55	685P	Nylon - Black
0.75	686P	Nylon - Black

Effective Length	Dill #	Material
1.00	346	Nickel Plated Brass
1.38	356	Nickel Plated Brass
2.19	350	Nickel Plated Brass
3.00	347	Nickel Plated Brass
3.00	331	Nickel Plated Brass
4.00	330	Nickel Plated Brass
4.40	341	Nickel Plated Brass
5.00	348	Nickel Plated Brass
6.00	349	Nickel Plated Brass
8.00	SK-1492	Nickel Plated Brass
10.00	317-10	Nickel Plated Brass
11.75	317-11.75	Nickel Plated Brass

Effective Length	Dill #	Material
0.50	6541-A	Nickel Plated: Grooved
0.50	6541-B	Brass
0.50	6541-N	Nickel Plated
0.50	6541-P	Chrome Plated

Effective Length	Dill #	Material
7.00	9059-7	EPDM Reinforced Hose
9.00	9059-9	EPDM Reinforced Hose

Valve Caps

Valve Caps for Light and Heavy Duty Vehicles



627



630A



630N



632



643



655



658



692



697



885



897

Dill #	TR #	Material	Features
627	VC8	Plastic	Black, No Gasket
629	VC2	Clear Plastic	Screwdriver Type
630A	VC3	Plastic	Black Dome Type
630N	VC2	Plastic	Gray Dome Type
632	VC3	Nickel-Plated Brass	Heavy Duty with Heat Resisting Gasket
643	VC2	Nickel-Plated Brass	Standard Screwdriver Type
655	VC3	Nickel-Plated Brass	Dome Type
658	VC3	Nickel-Plated Brass	Dome Skirted Type
697	-	Chrome	Hex Top For Wrench Tightening
692	VC3	Chrome	Heavy Duty

Dill #	Material	Features
885	O-Ring	Green Nitrogen component for tire valves
897	Plastic	Green Nitrogen component for tire valves

Valve Caps For Aircraft

Dill #	Picture	TR #	Material	Features
637		VC5	Brass	MS-20813-1, designed for wrench tightening, special sealing washer for 0-5000 psi and -65°F to 160°F temp. range
2114		VC9	Tin-plated brass	High pressure large bore, 0-250 psi operating pressures and -40°F to 250°F temperature range

Valve Caps for Off-Road Vehicles

8971H



2113A



Dill #	TR #	Material	Features
8971H	VC7	Brass	Large Bore hex type
2113A	VC9	Brass	Large Bore dome type for low clearance

Valve Core



70-HV
LARGE BORE
VALVE CORE:
Opening Pressure:
35 psig
Cup Seal Material:
Viton



70-HT:
LARGE BORE
VALVE CORE:
Opening Pressure:
35 psig
Cup Seal Material:
Viton



100-AA:
Opening Pressure:
60 psig
Cup Seal Material:
Nitrile



100-CS:
Opening Pressure:
40 psig
Cup Seal Material:
Neoprene



100-FX:
Opening Pressure:
130 psig
Cup Seal Material:
GFLT-Viton



100-GL:
Opening Pressure:
80 psig
Cup Seal Material:
GFLT-Viton



100-GP:
Opening Pressure:
10-50 psig
Cup Seal Material:
GFLT-Viton



100-GS:
Opening Pressure:
0-3 psig
Cup Seal Material:
Nitrile



100-HA:
Opening Pressure:
80 psig
Cup Seal Material:
Silicone



100-KK:
Opening Pressure:
4 -15 psig
Cup Seal Material:
GFLT-Viton



100-LG:
Opening Pressure:
40 psig
Cup Seal Material:
Neoprene



100-LH:
Opening Pressure:
40 psig
Cup Seal Material:
EPDM



100-LP:
Opening Pressure:
30 psig
Cup Seal Material:
Viton



100-LT
Opening Pressure:
30 psig
Cup Seal Material:
Hydrin



100-MKW:
Opening Pressure:
80 psig
Cup Seal Material:
Neoprene



100-SV
Opening Pressure:
80 psig
Cup Seal Material:
Viton



100-TP
Opening Pressure:
80 psig
Cup Seal Material:
Silicone



100-VB:
Opening Pressure:
30 psig
Cup Seal Material:
Viton



302-DL:
Opening Pressure:
80 psig
Cup Seal Material:
Neoprene



302-DN
Opening Pressure:
80 psig
Cup Seal Material:
Nitrile



302-DV:
Opening Pressure:
80 psig
Cup Seal Material:
Viton



402-AH:
Opening Pressure:
80 psig
Cup Seal Material:
Silicone

Valve Core Application Guide

Dill #	Application	Standards	Opening Pressure (psig)	Max. Working Pressure (psig)	Temp. Range (°F)	Cup Seal Mat'l	Comments/ Special Instructions
70-HT	Large Bore	TR C2,A-A-52611	35	450	-65 to 250	Silicone	0.13" pin travel
70-HV	Large Bore	TR C2	35	450	-20 to 250	Viton	0.13" pin travel
100-AA	Tank Valve	TR C1,A-A-52611	60	300	-40 to 225	Nitrile	A-A-52611 supercedes ZZ-V-25
100-CS	Refrigeration	OEM	40	500	-40 to 250	Neoprene	0.145" pin travel; R12, R22, R134a, R407a, R410a; control stop feature
100-FX	OBDII Diagnostic Port	OEM OBD II	130	100	-40 to 250	GFLT - Viton	0.07" pin travel; Gasoline and Flex Fuel applications
100-GL	Fuel Rail	OEM	80	300	-40 to 250	GFLT - Viton	Flex Fuel - methanol/gasoline
100-GP	Gas Pump	Pump Mfg.	10-50	300	-40 to 250	GFLT - Viton	Gasoline and Flex Fuel
100-GS	Low Pressure Drop	Compression Tester	0-3	300	-40 to 225	Nitrile	200 psig flow pressure
100-HA	Tire Valve	TR C1	80	300	-65 to 250	Silicone	Car, truck, and bus tire valve
100-KK	Tank Valve	None	4-15	300	-40 to 250	GFLT - Viton	Oil and Fuel resistant
100-LG	Refrigeration	SAE J639	40	500	-20 to 250	Neoprene	0.145" pin travel; R12, R22, R134a, R407a, R410a; control stop feature
100-LH	Refrigeration	SAE J639	40	500	-40 to 250	EPDM	0.145" pin travel; R134a
100-LP	Propane/Fuel	CGA 600	30	500	-40 to 250	Viton	0.145" pin travel
100-LT	Propane	UL147A,CGA 600	30	500	-20 to 200	Hydrin	0.145" pin travel
100-MKW	Refrigeration	ARI 720	80	700	-40 to 250	Neoprene	R12, R22, R134a, R407a, R410a; control stop feature
100-SV	Fuel Rail	OEM	80	300	-20 to 250	Viton	Oil and Gasoline resistant
100-TP	TPMS	TR C1	80	300	-65 to 250	Silicone	Car
100-VB	Mapp Gas	UL147A,CGA 600	30	400	-20 to 250	Viton	0.145" pin travel
302-DL	Refrigeration	ARI 720	80	2000	-20 to 200	Neoprene	High pressure refrigeration
302-DN	Strut Valve	AN-809	80	3000	-65 to 225	Nitrile	Oil resistant
302-DV	Oxygen	Portable Cylinders	80	2000	-30 to 250	Viton	Not cleaned for oxygen service
402-AH	Aircraft	TR C4,ISO 9475	80	550	-65 to 250	Silicone	FSN 2640-810-5861

Service Gauges

Dill #	Range	Comments
7212	20 -120 PSI	High Pressure Pencil Gauge
7213	10 - 50 PSI	1 PSI Increments
7229	1 - 20 PSI	1/2 PSI Increments



Dill #	Range	Comments
7230	5 - 45 PSI	Air Liquid Gauge



Dill #	Range	Comments
5600	10 - 75 PSI	Available in various colors or your company logo



Dill #	Range	Comments
5131B	English Increments of 1/32 & metric	Off-Road tread depth gauge
5123	Increments of 10millimeter	Tire tread depth gauge



5123



5131



7277

Assorted Display Pack
Display Pack with gold, green, blue, gray and red gauges - two of each

Service Gauges

Application: Measure pressure for all tire and wheel configurations encountered by tire service personnel.

Dill #	Pressure Range	Increments	Bar	Comments
7125-H	10-150 psi	2 psi	Nylon	Straight Chuck with 30° reverse angle
7207-H	10-150 psi	2 psi	Nylon	Angled Chuck
7226-H	20-120 psi	2 psi	Nylon	Small diameter straight chuck
7233	10-150 psi	2 psi	Nylon	360° Swivel Chuck
7248	20-120 psi	2 psi	Nylon	Dual angle foot
7275	10-150 psi	2 psi	Metal	Angled Chuck
7275-R	10-150 psi	2 psi	Metal	Angled Chuck, Recalibration feature
7275-RB	10-150 psi	2 psi	Metal	25° Angled Chuck, Recalibration feature
7278	20-120 psi	2 psi	Nylon	Straight Chuck with 30° reverse angle
7285	10-150 psi	2 psi	Metal	Straight Chuck with 30° reverse angle
7285-E	10-150 psi	2 psi	Metal	External recalibration feature
7285-R	10-150 psi	2 psi	Metal	Straight Chuck, recalibration feature



7207-H



7226-H



7233



7248



7275-RB



7278



7285

Air Chucks



6044



6045



6293



6293A



6293B



6293C



6293D

Dill #	Connection	Features
6044	1/4" NPT Female	Ball type fits standard bore valves
6045	1/4" NPT Male	Ball type fits standard bore valves
6293	1/4" NPT Female	Clip-on chuck: locks securely onto valve mouth; not flow-through
6293A	1/4" NPT Female	Clip for 6293 and 6293B chucks
6293B	1/4" NPT Female	Clip-on chuck: provides inflation and pressure gauging, flow-through
6293C	Barbed Hose fitting	Straight clip chuck for European type Tire Changers
6293D	1/4" NPT Female	Straight clip chuck for European type Tire Changers

Air Chucks



5114



7148



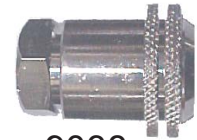
7150



8911



8914L



9038

Dill #	Type	Connection	Features
5114	Blow Gun	1/4" NPT Female	Blow gun per federal safety regulations; built-in restrictor and bypass ensures safety; pressure limited 30 psi or less (inlet 150 psi or less)
7148	Standard Bore	1/4" NPT Female	Flow-thru for Inflator gauges, inflates and gauges, lock-on feature
7150	Standard Bore	1/4" NPT Female	Lock-on coupler for air hose and air meters; not flow-thru; closed type chuck. Do Not Use with Inflator Gauges
8911L	Large Bore	1/4" NPT Female	Nut locks on valve when chuck is cocked on thread
8914L	Large Bore	1/4" NPT Female	Straight push-on lock-on chuck with 5.5" handle
8914LK		-	Replacement kit for 8911L and 8914L chucks (pin, washer, & nut)
9038	Large Bore	1/4" NPT Female	Clip-on chuck attaches to valve; pull sleeve back to release

6172



7245



6999L



Dill #	Type	Connection	Features
6172	Standard Bore	1/4" NPT Female	Angle chuck for inner dual wheels with tilted valves, 6" extension
6172NK		-	Replacement washer for 6172 and 6999 air chucks
6999	Standard Bore	1/4" NPT Female	Straight chuck, 6" extension length
6999L	Standard Bore	1/4" NPT Female	Straight chuck with lock-on feature
6999NK		-	Replacement washer for 6999L air chuck
7245		1/4" NPT Female	Right angle, services standard and large bore valves, 9" handle

Couplers



D-12



D-13



D-13R



D-13R-90



D-15



D-15C



D-16



D-17



D-17R



102



103



117



123



8888

Dill #	Type	Thread	Schrader	Amflo	Camel	Milton	Tru-flate	Haltec
D-12	Tru-Flate	1/4" NPT Male	3503	C1	61-524	786	13-124	CO-101
D-13	Tru-Flate	1/4" NPT Female	3504	C2	61-523	785	13-134	CO-103
D-13R	Tru-Flate	1/4" NPT Female	3505	-	61-487	787	13-136	-
D-13R-90	Tru-Flate	1/4" NPT Female	3505-90	-	-	788	13-138	-
D-15	Tru-Flate	3/8" NPT Female	3516	C6	61-553	1805	13-613	CO-109
D-15C	Tru-Flate	1/4" NPT Female	3521	-	61-476	1803	13-610	-
D-16	Tru-Flate	1/2" NPT Male	3511	-	61-564	1816	13-704	-
D-17	Tru-Flate	1/2" NPT Female	3512	C10	61-563	1815	13-713	CO-111
D-17R	Tru-Flate	1/2" NPT Female	-	-	-	-	13-716	-
102	Industrial	1/4" NPT Female	5142-12	C20	61-573	715	13-235	CO-201
103	Industrial	1/4" NPT Male	-	-	61-574	714	13-224	-
117	Industrial	3/8" NPT Female	3541	C26	61-482	1835	13-537	CO-204
123	Lincoln	1/4" NPT Female	3528	C28	61-548	790	13-434	CO-701
8888	ARO Interchange	1/4" NPT Female	3526	C38	61-526	775	13-324	CO-501

Nipples



D-0E



D-0F



D-2C



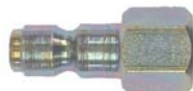
D-2E



D-2F



D-3C



D-3E



D-3F



D-6C



D-7C



D-7CR



D-7CRL



109



110



125



126



8889



8890



8891

Dill #	Type	Thread	Schrader	Amflo	Camel	Milton	Tru-flate	Haltec
D-0E	Tru-flate	1/4" NPT Male	3519	-	61-480	1809	12-602	-
D-0F	Tru-flate	3/8" NPT Male	3537	-	61-474	1819	12-702	-
D-2C	Tru-flate	1/4" NPT Male	3506	CP1	61-538	783	12-124	NI-102
D-2E	Tru-flate	3/8" NPT Male	3517	CP5	61-558	1807	12-605	NI-108
D-2F	Tru-flate	1/2" NPT Male	3513	CP9	61-568	1817	12-705	NI-112
D-3C	Tru-flate	1/4" NPT Female	3507	CP2	61-539	784	12-134	NI-104
D-3E	Tru-flate	3/8" NPT Female	3518	CP6	61-559	1808	12-612	NI-110
D-3F	Tru-flate	1/2" NPT Female	3514	-	61-569	1818	12-712	-
D-6C	Tru-flate	.307-32 Female	3508	CP12	-	779	12-104	NI-106
D-7C	Tru-flate	.485-26 Female	3509	-	61-543	780	12-106	-
D-7CR	Tru-flate	.485-26 Female 2.25"	3510	-	61-552	781	12-108	-
D-7CRL	Tru-flate	.485-26 Female 3.75"	-	-	-	-	12-110	-
109	Industrial	1/4" NPT Female	5139-11	CP20	61-579	728	12-235	NI-204
110	Industrial	1/4" NPT Male	5138-11	CP21	61-578	727	12-225	NI-202
125	Lincoln	1/4" NPT Female	3532	CP28	61-551	792	12-434	NI-704
126	Lincoln	1/4" NPT Male	3531	CP27	61-550	791	12-424	NI-702
8889	ARO Interchange	1/4" NPT Female	3530	CP38	61-529	778	12-335	NI-504
8890	ARO Interchange	1/8" NPT Male	-	-	-	-	-	-
8891	ARO Interchange	1/4" NPT Male	3529	CP37	61-528	777	12-325	NI-502

Aircraft Replacement Components and Pressure Gauges



8860A

Hose & Chuck Assembly
Fits 8885 Gauge
Length 18 Inches



8860R

Hose & Chuck Assembly
Fits 8844 Gauge
Length 18 Inches



8874-9

Copper Washer
Fits: 8874, 8875, 8876,
8921, 9043, 9044



8874-10

Washer
Fits: 8921,
8927, 9043



8874-12

Gauge Adapter
Fits: 8874, 8875
& 8876



8874-25

Bleeder Valve
Fits: 8874, 8875
& 8876



8874-22 Hose Assembly
Fits: 8874, 8875 and 8876



8921

Lock Chuck (Standard Bore)
T-Handle with .307-32
thread and 1/8 NPT
side hose connector.
Maximum operating
pressure of 3000 PSI



8927

Lock Chuck (Large Bore)
T-Handle with .485-26
thread and .375-24
side hose connector.
Maximum operating
pressure of 3000 PSI



9043

Lock Chuck (Standard Bore)
T-Handle with .307-32
thread and .375-24
side hose connector.
Maximum operating
pressure of 3000 PSI



9044

Lock Chuck (Standard Bore)
.307-32 thread and .375-24
side hose connector.
Maximum operating
pressure of 3000 PSI

Dial Gauges



8844-1

0-400 PSI & 0-2800 kPa
1/8 NPT Male
Thread For Mating
Replacement For:
8844 & 8844B



8874-28

0-400 PSI
1/4 NPT Male
Thread For Mating
Replacement For:
8874



8875-28

0-1500 PSI
1/8 NPT Male
Thread For Mating
Replacement For:
8875



8876-28

0-3000 PSI
1/8 NPT Female
Thread For Mating
Replacement For:
8876



8885L-1

0-200 PSI & 0-1400 kPa
1/8 NPT Female
Thread For Mating
Replacement For:
8885 & 8885-L

Hydraulic Shock Strut Gauges

For aircraft tires and hydraulic shock struts. Inflates, deflates, and gauges. Screw type-locking chuck part number 9043, securely attaches to valve. Inflate through side inlet tank valve. Drain cock for bleeding pressures. Gauges are accurate to within 2%, -1%, -2% of total dial range.



8874
Dial Range:
0-400 PSI
Standard bore

331 Extension
3.06 Effective Length



8875
Dial Range:
0-1500 PSI
Standard bore

356 Extension
1.38 Effective Length



8876
Dial Range:
0-3000 PSI
Standard bore

349 Extension
6.06 Effective Length

Extensions 331, 356 and 349 Packed With 8874

Aircraft Tire Pressure Gauges

8885 Dial Range 0-200PSI (0-1400 kPa)
Length 18 inches



8844: Dial Range 0-400 PSI (0-2800 kPa)
Length 18 inches



8844-B: Same as 8844 except packed with three extensions. Dill part numbers 347, 356 and 349

Dial Tire Gauges



8860C Master Gauge

Checks accuracy of service and pencil gauges, dual foot chuck and retaining valve to hold pressure reading, accuracy to within $\pm 2\%$ of total dial reading.



8810H (0-100 PSI)
(0-700 kPa)
1 PSI (10 kPa) Increments
Tractor Air/Liquid Gauge
Non-Corrosive 7 inch hose
with swivel chuck.



8810J (0-160 PSI)
(0-1100 kPa)
2 PSI (10 kPa) Increments
Dual chuck, 14" flexible
hose with straight chuck,
Non-Corrosive, recalibration
screw permits adjustments.



8939 (0-160 PSI)
(0-1100 kPa)
2 PSI (10 kPa) Increments
Racing Tire Gauge
7 inch hose with
swivel chuck

Aircraft Tire Valves

Recommended Aircraft Valve Cores:
402-AH & 70-HT

Replacement O-Rings:
448 (TR RG6) and 483 (TR RG30)



VS-743 VS-738 VS-770 VS-793 VS-802 VS-803 VS-817 VS-822 VS-827 VS-832

Dill No.	Tire & Rim No.	Threads	Bore Type	Eff. Length (Inches)	Material
VS-743	760	.3125-24	STANDARD BORE	0.56	BRASS
VS-793	762	.3125-24	STANDARD BORE	1.06	STAINLESS STEEL
VS-802	752	.3125-24	STANDARD BORE	0.88	STAINLESS STEEL
VS-803	753	.3125-24	STANDARD BORE	1.56	STAINLESS STEEL
VS-817	756	.500-20	STANDARD BORE	1.20	STAINLESS STEEL
VS-822	J780	.500-20	LARGE BORE	1.00	STAINLESS STEEL
VS-827	761	.500-20	STANDARD BORE	2.20	STAINLESS STEEL
VS-832	J781	.500-20	LARGE BORE	2.37	STAINLESS STEEL

Aircraft Valve Cores Standard Bore



402-AH (TR C4) (MS-51377-4)
Opening Pressure: 80 psig
Cup Seal Material: Silicone



70-HT (TR C2)
Large Bore Valve Core
Opening Pressure: 35 psig
Cup Seal Material: Silicone

Valve Caps



637 Cap (TR VC5)
Material: Painted Brass
MS-20813-1, designed for wrench tightening, special Sealing washer for 0-5000 psi and -65°F to 160°F temperature range.



2114 (TR VC9)
Material: Tin Plated Brass
High pressure large bore, 0-250 psi operating pressures and -40°F to 250°F temperature range

High Pressure Strut Valves

Manufactured to AN and MS specification, these valves are made of corrosion resistant alloy steel to withstand high pressures. Used in high pressure struts, hydraulic pressure accumulators, surge cylinders and high pressure pneumatic systems.

Please contact technical and sales support for other available aircraft valves and valve applications not mentioned.



302-DN
Opening Pressure: 80 psig
Cup Seal Material: Nitrile

Recommended Strut Valve Cores:
302-DN



9019-C
MS-28889-2
5,000 PSIG Max
Operating Pressure



8990C
AN-6287-1
3,000 PSI Max
Operating Pressure



SK-15171
AN-812-1
1,500 PSI Max
Operating Pressure



SK-2043C

Tank Valves



02500



02516



02529



02526



02550



SK-20420

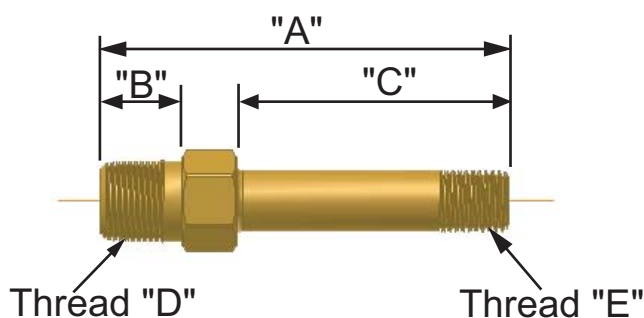


SK-20422

Various Cap And Core Combinations Are Available

Tank valves are designed in several styles for use in inflating and gauging pressure tanks or compressed air chambers. They can be ordered complete with a variety of valve cores and caps. Standard valves are for use in various environments and in a wide range of operating temperatures and pressures; such conditions being dependent upon the valve core specified for a particular application. For other types or designs not shown, consult Dill Air Controls for technical assistance.

Dill Part Number	Finish	THREADS				
		"A"	"B"	"C"	"D"	"E"
02500	NICKEL PLATED	1.31	0.38	0.75	1/8-27 NPT	0.305-32
02516	BRASS	1.31	0.56	0.56	1/4-18 NPT	0.305-32
02526	NICKEL PLATED	0.88	0.34	0.41	1/16-27 NPT	0.305-32
02529	BRASS	1	0.44	0.44	1/4-18 NPT	0.305-32
02550	BRASS	1.06	0.38	0.50	1/8-27 NPT	0.4375-20 UNF-2A
SK-20420	NICKEL PLATED	0.91	0.38	0.39	1/8-27 NPT	0.305-32
SK-20422	STAINLESS STEEL	0.91	0.38	0.39	1/8-27 NPT	0.305-32



Recommended Valve Caps. For other available caps see page 9.



Warning:

Tank valves are designed for use with compressed air tanks. Valve must be securely threaded into tank wall or vessel. Read air tank manufacturer's cautions regarding maximum air pressure. Do not overfill the tank. Failure to follow these instructions and specifications exactly may result in personal injury and/or property damage.

Product Cross Reference Chart

Dill #	TR #	Schrader	Haltec	Page #	Dill #	TR #	Schrader	Haltec	Page #
CH8		6102		6	T-13-S	413	413SC	TV-413-CH	2
CH16				6	T-14-S	414			2
D-OE		3519		20	T-12-WZ	412			2
D-OF		3537		20	T-13-WZ	413			2
D-2C		3506	NI-102	20	T-14-WZ	414			2
D-2E		3517	NI-108	20	T-15-WZ	415			2
D-2F		3513	NI-112	20	T-18-WZ	418			2
D-3C		3507	NI-104	20	T-23-WZ	423			2
D-3E		3518	NI-110	20	T-25-WZ	425			2
D-3F		3514		20	T-12-WZS	412			2
D-6C		3508	NI-106	20	T-13-WZS	413			2
D-7C		3509		20	T-14-WZS	414			2
D-7CR		3510		20	T-18-WZS	418			2
D-7CRL				20	T-23-WZS	423			2
D-12		3503	CO-101	19	TR-575	575		60 MS-27	3
D-13		3504	CO-103	19	V3-20-4	V3-20-4		90-MS-27	5
D-13R		3505		19	V3-20-5	V3-20-5		70-MS-27	5
D-13-R-90		3505-90		19	V3-20-6	V3-20-6		115 MS-27	5
D-15		3516	CO-109	19	V3-20-7	V3-20-7		80MS-27	5
D-15C		3521		19	VS-542	542		TV-542	5
D-16		3511		19	VS-543	543		TV-543	5
D-17		3512	CO-111	19	VS-543C	543C		TV-543C	5
D-17R				19	VS-543D	543D		TV-543D	5
E-600-D	600HP		TV-600-HP	2	VS-543E	543E		TV-543E	5
E-600-S	600HP			2	VS-544	544		TV-544	5
E-600-WZ	600HP			2	VS-544D	544D		TV-544D	5
E-600-WZS	600HP			2	VS-544E				5
HN80		6103-2		6	VS-545B				5
J650R	J650-01	650-198	WH-300-J-650	8	VS-546B				5
J669R	J669-01			8	VS-546D	546D		TV-546D	5
J670R	J670	670-198			VS-546E	546E		TV-546E	5
J690R	J690R	690	WH-330-J-690	8	VS-546G	546G			5
J691R	J691	691	WH-330-J-691B	8	VS-546-G-36	546-36		TV-546-36	5
SK-1492				11	VS-547D	547D		TV-547D	5
SK-15171		7607AH		23	VS-551				5
SK-20420		9166L8		24	VS-570-R	570	570	TV-570	3
SK-20422				24	VS-570WZA	570			3
SK-2043C				23	VS-571-R	571	571	TV-571	3
SK-2924				5	VS-571-WZA	571			3
SP8B		6103		6	VS-572-R	572	572	TV-572	3
T-12-R	412	412R	TV-412	2	VS-572-WZA	572			3
T-13-R	413	413R-50	TV-413	2	VS-573-R	573	573	TV-573	3
T-14-R	414	414R-50	TV-414	2	VS-573-WZA	573			3
T-15-R	415	54-50	TV-415	2	VS-574R	574	574	TV-574	3
T-18-R	418	418R-50	TV-418	2	VS-574-WZA	574			3
T-23-R	423	423R-50	TV-423	2	VS-714AR	618A	5880	TV-618A	7
T-25-R	425	55-50	TV-425	2	VS-714-WZA	CH3			7
T-12-S	412			2	VS-714-WZD	CH3			7

Product Cross Reference Chart

Dill #	TR #	Schrader	Haltec	Page #	Dill #	TR #	Schrader	Haltec	Page #	Dill #	TR #	Schrader	Haltec	Page #
VS-714-P	618A			7	100-HA	C1	5405V		13,14	655	VC3	7572V	A-100-VC3	12,24
VS-738				23	100-KK				13,14	658	VC3			12
VS-743	760			23	100-LG				13,14	686P				11
VS-770				23	100-LH				13,14	695-BW				24
VS-793	762			23	100-LP				13,14	697				12,24
VS-802	752			23	100-LT				13,14	885			568-011G	12
VS-803	753			23	100-MKW				13,14	897			A-100-VC-8G	12
VS-817	756			23	100-SV				13,14	02500		645E6		24
VS-822	J780			23	100-TP				1, 3,14	02516				24
VS-827	761			23	100-VB				13,14	02526				24
VS-832	J781			23	102			CO-201	19	02529				24
VS-879-RW	510	510		5	103				19	02550				24
VS-902CR	416	3640-50		4	109		5139-11	NI-204	20	1030K				1
VS-902K				4	110		5139-12	NI-202	20	1040K				1
VS-902-W	416			4	117		3541	CO-204	19	1050K				1
VS-902WP	416		N-1600	4	123		3528	CO-701	19	1051				1
VS-902VL				5	125		3532	NI-704	20	1052				1
VS-903R	575			3	126		3531	NI-702	20	1053				1
VS-911	417	5976A	TV-417	3	265	HN15		451	7	1054				1
VS-921AR	621A	5584	TV-621A	7	301A				7	1055				1
VS-922AR	622A	5883	TV-622A	7	302A				7	1056				1
VS-923AR	623A		TV-623A	7	302-DL				13,14	1060K				1
VS-936RW				7	302-DN	AN-809-1	2300H-V		13,14,23	1070K				1
VS-936RZ				7	302-DV				13,14	1080K				1
VS-943				5	317-10				11	1090K				1
VS-944R	401	5991B-50		3	317-11.75				11	1092				1
VS-944DW				3	330		4430		11	1093				1
VS-945				3	331	EXT-13			11,22	1094				1
VS-946-RW	509	509	TV-509	5	341				11	1095				1
VS-949-RW	511	511	TV-511	5	346				11	1100K				1
VS-954	435			5	347		7381		11	1110K				1
VS-962C				4	348		7382		11	1120K				1
VS-962D				4	349				11,22	2113A	VC9			12
VS-977	SP2	650-197	H-41	7	350		6284		11	2114	VC9	1549		12,23
VS-977P		434		7	356	EXT-8	6358		11,22	5101				1
VS-1016AR	619A			7	402-AH	C4	5230V		13,14,23	5102				1
VS-1065			N-1000	6	447	RG-7		G-166	7	5114				18
VS-1072				8	452	RG-67			7	5123		599B		15
VS-1090				8	454	RG22	650-4	G-160	7	5131B				15
VS-1218	430	6205		5	457	RG66	2709-5		7	5170		7657		10
VS-1223-WZ				3	459	RG16	3593-6		7	5209		3522		10
VS-1223R				3	627	VC8	660V	A-100-VC-8	12,24	5260				9
VS-1229				5	629	VS3			12	5261				9
100-CS				13,14	630A	VC3		A-100-2	12,24	5262				9
100-FX				13,14	630N	VC2			1,12	5263				9
100-GL				13,14	632	VC3	440V		12	5264				9
100-GP				13,14	637	VC5	2526		12,24	5265				9
100-GS				13,14	643	VC2	6300V		12,24	5266				9

Product Cross Reference Chart

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5268					9	7285E				16
5406		2688			10	7285-R			1048ADJ-SLPI	16
5407		992			10	8807	AD1			7
5407-AL					10	8810H				22
5407-P					10	8810J				22
5411					10	8844				22
5414					1	8844-1				21
5600		7760			15	8844-B				22
6044		5499			17	8860A				21
6045		5497			17	8860C				22
6108		5262			10	8860R				21
6108-D					10	8874		4581KIT		22
6129					9	8874-9				21
6172		8159B			18	8874-10				21
6172NK					18	8874-12				21
6293		6739			17	8874-22				21
6293A		6529			17	8874-25				21
6393B		7000-6			17	8874-28				21
6293C		1137-6			17	8875				22
6293D		6793			17	8875-28				21
6489	CH1	9252			7	8876				22
6489A	CH3	5789			7	8876-28				21
6541-A					11	8885				22
6541-B					11	8885L-1				21
6541-N					11	8888		3526	CO-501	19
6541-P					11	8889		3530	NI-504	20
6999					18	8890				20
6999L		9994L	6568-BK		18	8891		3529	NI-502	20
6999NK					18	8909		991		10
7125-H		7188BH	1045-BK		16	8909C		43615		9
7148					18	8911L		5483		18
7150		5265			18	8914L		5562		18
7207-H		1250A	1031-BK		16	8914LK				18
7212		8100	965-BK		15	8921				21
7213		7760A	955-BK		15	8927				21
7226-H		4663	1086LB-BK		16	8939				22
7229		7765A	945-BK		15	8971H	VC7	4659	A-149	12
7230		9350	120W-BK		15	8990C				23
7233		5566	1085LB-BK		16	9019-C				23
7245		1417	6585LB-BK		18	9038		4660A		18
7248		8102A	1314-BK		16	9043				21
7275		7188BH	1038T-BK		16	9044				21
7275R			1038ADJ-SLPI		16	9059-7				11
7275-H					16	9059-9				11
7275-RB					16	9061	AD1			7
7277			211-DIS		16					
7278			1317-BK		16					

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