

Q D S *QUALITY DRIVE SYSTEMS*

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CATALOG

FALL 08'

2009 MINI BAJA COMPETITION

Quality Drive Systems (QDS) is once again proud to be a supporter of the *Baja SAE Program* for the 2009 competition year. QDS is an OEM representative and Central Distributor for Comet Industries and as such we are able to supply Continuously Variable belt drive Transmissions (**CVT's**) directly to Universities and Engineering Student Groups participating in this program.

QDS has been offering Comet/Salsbury CVT's power train components in the Baja SAE program for the over 15 years. As a program supporter, QDS offers discounts on CVT's to the engineering student groups involved in this project. We also offer an array of accessory components such as seat belts, FNR gearboxes, rack & pinions, etc.

Our new 2009 Mini-Baja catalog is specifically designed to further assist you in the understanding and selection of a suitable Comet CVT for your vehicle. The models that we recommend offer the greatest efficiency and have been pre-calibrated for optimum performance. Your consideration in deciding which recommended CVT to select is then based on desired ratio, as dictated by your fixed reduction ratio and your vehicles' constraints.

You can be assured that regardless of the model selected QDS will do its' utmost to supply an optimum system for your vehicle and assist you any way we can with our personal technical support.

If you have any questions or wish to place your order, please contact us directly and we will assist you. **Please include the name of your school on all communications in order to avoid any confusion.** You may E- Mail or Fax your request and we will reply likewise with our specific recommendation and/or details. (Our E-mail address is: **qds@earthlink.net**). Thank you for selecting QDS for your power transmission needs.

Good luck in your Baja SAE Competition!!

~TEAM QDS

CVT'S (CONTINUOUSLY VARIABLE TRANSMISSIONS)

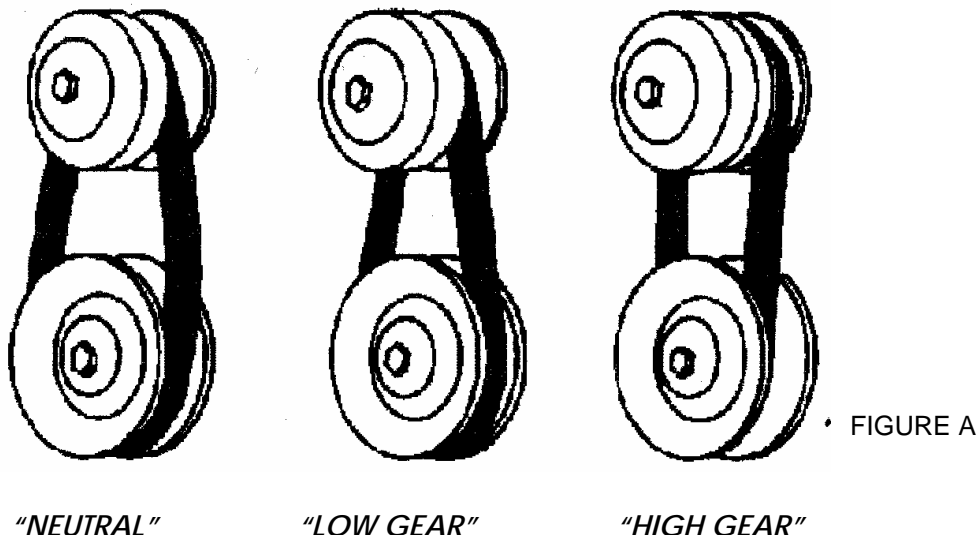


Comet Industries has specialized in "belt drive" transmission products for over fifty years. These products have been proven to be an efficient and cost effective method of power transmission for a broad array of applications:

- SNOWMOBILES TO DUNE BUGGIES
- CEMENT TROWELING MACHINES
- ELECTRIC VEHICLES
- AGRICULTURAL EQUIPMENT
- CONSTRUCTION EQUIPMENT

This two pulley system consisting of a **DRIVE** pulley, **DRIVEN** pulley and matching "**V**" **BELT**, has been referred to over the years as a "Torque Converter," "belt drive transmission," and most recently, as a "Continuously Variable Transmission" or simply "CVT."

All references are correct since: **1)** This system does convert torque through changing pulley ratios **2)** This system acts as an automatic clutch and variable ratio transmission and **3)** The pulley ratios change automatically and continually with changes in RPM and load, or torque demand. (FIGURE A)



"NEUTRAL"

"LOW GEAR"

"HIGH GEAR"

• FIGURE A

The “Drive Pulley” or “primary” pulley is typically mounted on the engine and is a speed sensitive device that acts as a delayed clutching mechanism for load free engine starting and idling.

At a predetermined RPM, the sliding half of the pulley engages the belt and transmits RPM and torque to the driven pulley. As this occurs, the position of the belt moves from a very small radius to a large radius, thereby affecting a change in pitch diameter and therefore the pulley ratio.

The “Driven Pulley” or “secondary” pulley receives the turning of the belt from the drive pulley. As this occurs the position of the belt moves from a large radius to a smaller radius. In addition, the driven pulley is torque sensitive, as controlled by an internal “CAM” and “spring.” (FIGURE B)

This “torque sensitive” feature enables this two pulley system to automatically adjust to the correct ratio for a given load. The result is the engine is able to operate at optimum horsepower and RPM under a wide variety of load conditions. (FIGURE C)

Comet has many CVT designs to meet the specific performance requirements of a broad range of applications and horsepower. These devices are highly tunable so please contact your Comet CVT specialist for assistance in choosing the CVT that is right for you.

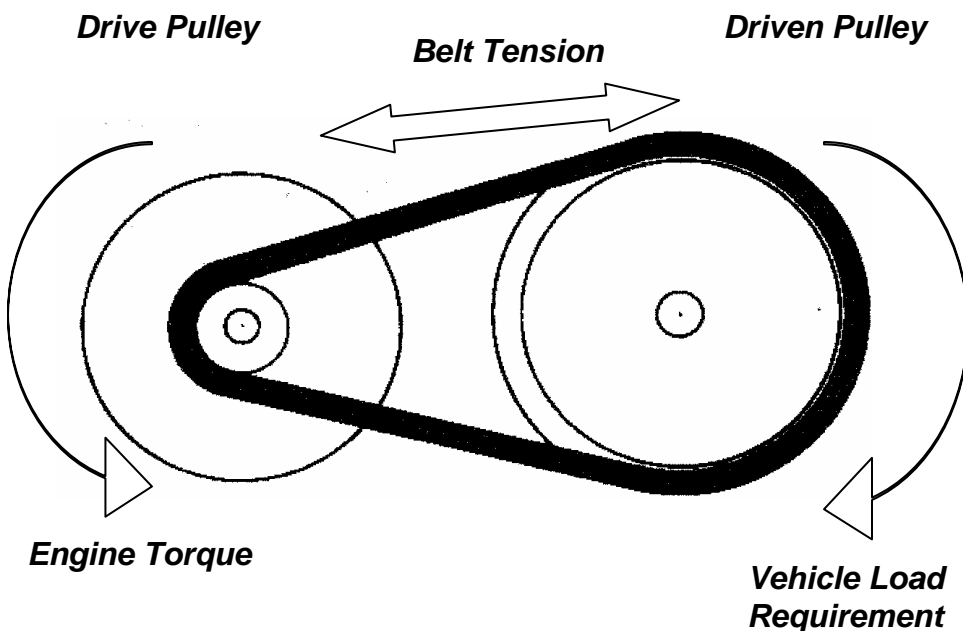


FIGURE B

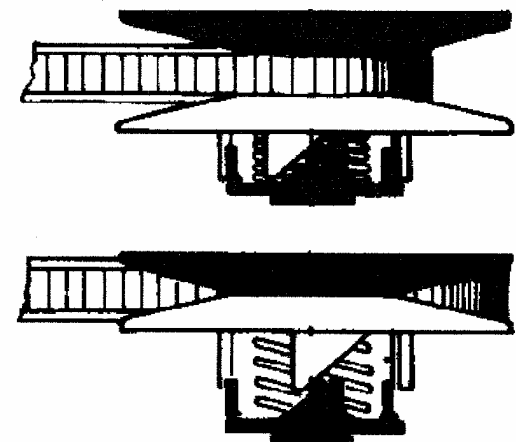
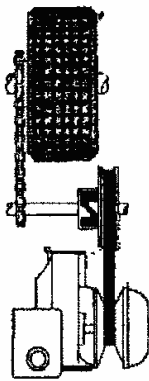
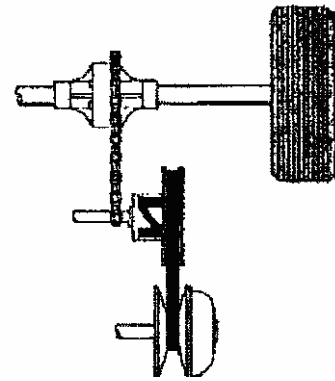


FIGURE C

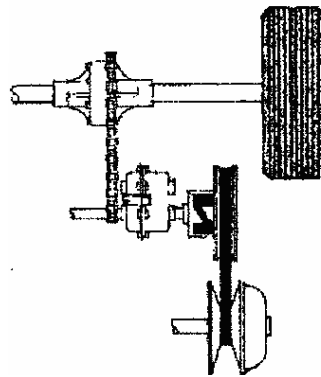
GENERAL CVT INSTALLATIONS



USE OF JACKSHAFT TO TRANSMIT VARIABLE RATIO TO DRIVE WHEEL(S).



CHAIN DRIVE THROUGH DIFFERENTIAL.



CHAIN DRIVE THROUGH DIFFERENTIAL WITH GEAR BOX.

GEARING FORMULAS

Use the following formula to determine top speed when all gearing is known:

- A) $ER / FS = DJR$
- B) $DJR / FGR = RAR$
- C) $RAR / T.C. = \text{FEET PER MINUTE (FT/MIN)}$
- D) $(\text{FT/MIN}) * .01136 = \text{CMPH}$

WHERE:

ER = MAXIMUM ENGINE RPM
FS = FULL SHIFT RATIO (HI RATIO OF CVT)
DJR = DRIVEN RPM @ JACKSHAFT

Use the following formula to determine final gearing when required speed is known:

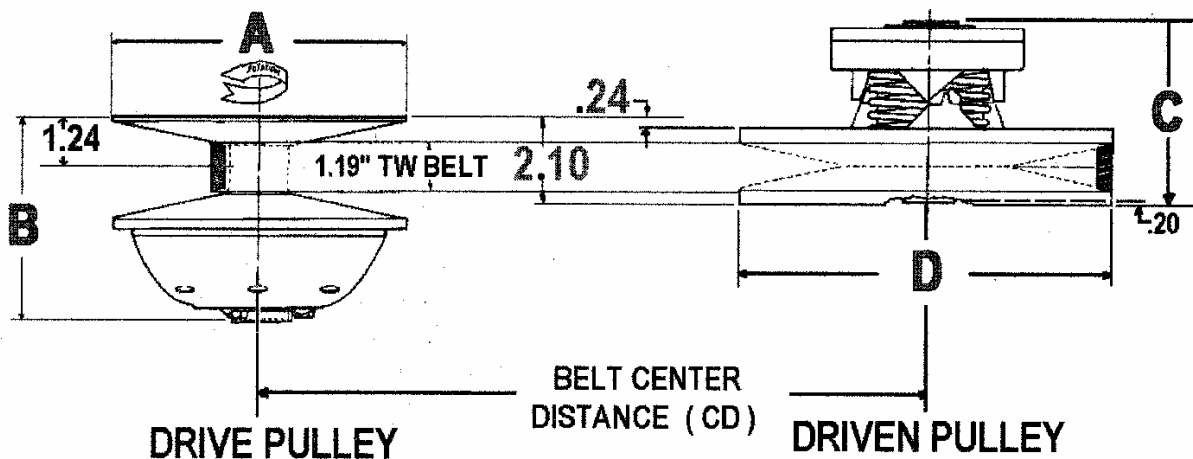
- A) $\text{AMPH} / .92 = \text{CMPH}$
- B) $\text{CMPH} / .01136 = \text{FT/MIN}$
- C) $\text{FT/MIN} / TC = RAR$
- D) $ER / FS = DJR$
- E) $DJR / RAR = FGR:1$

FGR = FINAL GEAR RATIO
RAR = REAR AXLE RPM
TC = TIRE CIRCUMFERENCE (FT)

FT/MIN = FT. PER MINUTE
CMPH = CALCULATED MPH
AMPH = ACTUAL MPH

780 SERIES CTV

The 780 Series includes 3 models (780, 770, and 790). Model selection is determined based on your vehicle power to weight and performance requirements. The 780 series responds to load requirements and changes the ratio between the drive and driven pulleys so that the engine can maintain its peak power output. All 780 series drive come with a 1" bore and 1/4" kwy. All 780 series drivens have a 3/4" bore with a 3/16" kwy (7/8" driven bore available upon request for 770 and 790 only). Refer to 780 Series belt chart for available center distances.



790 SERIES:

Drive Part #: 300821C

Driven Part #: 302603C

Dimensions:

A: 7.25"
B: 4.81"
C: 4.52"
D: 8.46"

Pulley Ratios:

High: .54:1
Low: 3.38:1

MAX ENGINE RATING:	MAX RPM:
2-CYCLE: 30 H.P.	10,000
4-CYCLE: 16 H.P.	5,500

780 SERIES:

Drive Part #: 300821C

Driven Part #: 301789C

Dimensions:

A: 7.25"
B: 4.81"
C: 4.57"
D: 9.26"

Pulley Ratios:

High: .69:1
Low: 3.71:1

SAFETY NOTE:

-NEVER OPERATE A TORQUE CONVERTER WITHOUT SUITABLE SAFETY SHIELD.

-DO NOT RUN AN ENGINE EQUIPPED WITH A DRIVE PULLEY IF THE BELT IS NOT ENGAGED WITH THE DRIVEN PULLEY

770 SERIES:

Drive Part #: 300821C

Driven Part #: 302604C

Dimensions:

A: 7.25"
B: 4.81"
C: 4.55"
D: 9.85"

Pulley Ratios:

High: .76:1
Low: 3.95:1

780 SERIES BELT CHART

<u>PART #</u>	<u>ALT. PART #</u>	<u>O.C.</u>	<u>790 CD</u>	<u>780 CD</u>	<u>770 CD</u>
704042	300624	34.85"	8.16"	N/A	N/A
QDS136	300780	37.2"	9.41"	8.59"	N/A
704043	300625	38.06"	9.86"	9.05"	N/A
QDS137	300634	39.13"	10.41"	9.62"	9.02"
QDS138	300637	41.22"	11.5"	10.73"	10.15"
QDS139	300638	41.89"	11.84"	11.08"	10.38"
704045	300627	42.22"	12.01"	11.25"	10.55"
704096	300663	43.06"	12.44"	11.7"	11.12"
QDS140	300641	44.14"	13"	12.25"	11.56"
704097	301086	44.63"	13.25"	12.5"	11.94"
704066	300642	45.69"	13.79"	13.05"	12.5"
704098	301195	46"	13.95"	13.21"	12.7"
N/A	302663	49.6"	15.8"	15.1"	14.54"
QDS103	N/A	52.5"	17.1"	16.35"	15.85"

CD: "CENTER DISTANCE" BETWEEN THE ENGINE CRANKSHAFT AND DRIVEN SHAFT

OC: "OUTSIDE CIRCUMFERENCE" IS THE MEASUREMENT AROUND THE BELT

- Made with high temperature neoprene compound w/ kevlar cord reinforcement.
- 1.3/16" top width symmetric belt.
- Use only the specified belt size for your CVT model center distance.
- Center distances shown have a tolerance of $\pm 1/8$ "

PROPER BELT FIT

Belts should not be too tight or too loose. Belt fit should allow a 1" deflection (see figure A). Belts with excessive wear or loose fit will require higher engine speed for engagement. Reduction in ground speed as well as pulling power will be noticed. Excessively tight belts will squeal, creep, and overheat.

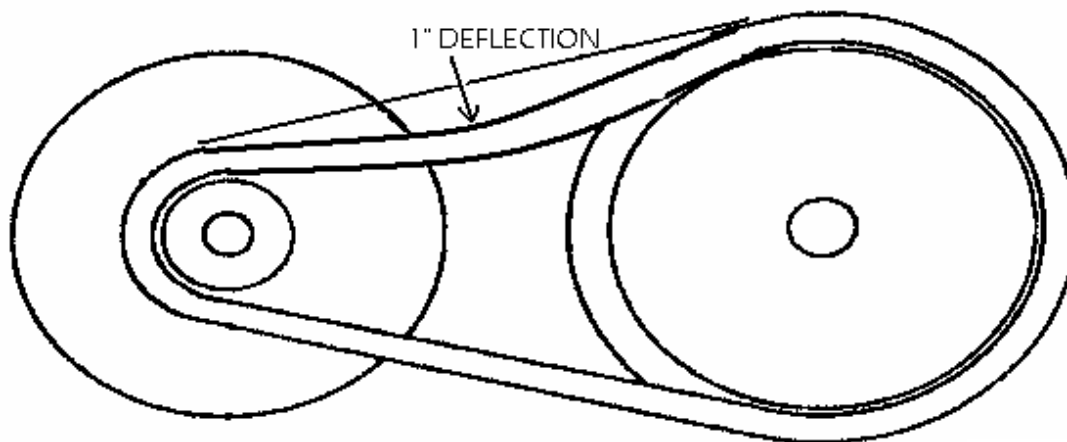


Figure A

780 SERIES ENGAGEMENT CHART (RPM'S)

DRIVE TUNING PARTS

(4 CYCLE SELECTION)

ROLLER WGT. KITS	SPRING KITS				
	703548/49	703064/65	703066/67	703242/43	703028/29
	GREEN	BLUE	YELLOW	PURPLE	PLAIN
	7.6 IN./#	11.3 IN./#	14.8 IN./#	20.5 IN./#	26.0 IN./#
<u>602239</u> WGT: 68 GRMS. BLUE ROLLER ONLY	1650	1950	2250	2550	3500
<u>164-0002</u> WGT: 71 GRMS. BLUE/CAD WASHER	1500	1700	2000	2400	3350
<u>602235</u> WGT: 78 GRMS. BLUE/GOLD SIDE WASHER	1410	1680	1900	2200	3200
<u>164-0005</u> WGT: 91 GRMS. BLUE/GOLD SIDE CONES	1200	1500	*MINI BAJA SPEC 1800*	2000	2400
<u>602246</u> WGT: 98 GRMS. BLUE/BLUE SIDE CONES	1000	1300	1600	1850	2200
<u>602253</u> WGT: 105 GRMS. BLUE/GREEN SIDE CONES	800	1100	1400	1650	2000

Spring Tool (not shown) - **302401A**



780 SERIES DRIVEN CAM & SPRING SELECTION (MODELS: 770,780,790,500,1190)

The torque sensitive driven is calibrated using a combination of “cams” and “springs.” These components affect “torque sensitivity” and therefore driven pulley’s rate of up shift and back shift.

The goal in properly tuning any CVT system is to allow the motor to run at nearly constant horsepower and RPM. If, for example the motor RPM falls significantly before the belt is at the greatest diameter on the driven pulley, it may be necessary to increase the spring pressure or change to a shallower angled cam, and vice versa.

It should be noted that “springs” are considered “fine” tuning components while a change in “cam angle” has a much more “significant” affect on the “rate of shift.”



CAM SELECTIONS

<u>PART NUMBER</u>	<u>CAM ANGLE</u>	<u>AFFECT ON UP SHIFT</u>	<u>AFFECT ON BACK SHIFT</u>
704377*	28	REDUCES	INCREASES
703703**	32 (BAJA SPEC)		
703274	35		
703219	41	INCREASES	REDUCES

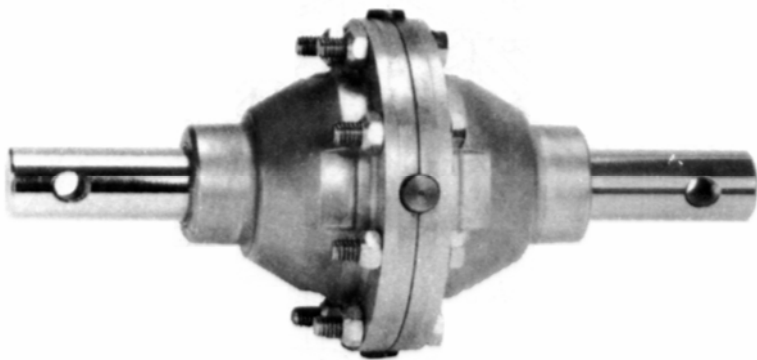
*NOTE: REQUIRES SPACER BETWEEN CAM AND RETAINING RING

**NOTE: AVAILABLE WITH “STEEL” INSERT-REF. PART NO. 704379

TORSION SPRING SELECTION

<u>PART NUMBER</u>	<u>COLOR CODE</u>	<u>NUMBER OF COILS</u>	<u>AFFECT ON UP SHIFT</u>	<u>AFFECT ON BACK SHIFT</u>
702970	PLAIN	5	INCREASES	DECREASES
703102	BLACK	7		
704378	BLUE	6		
704419	GREEN	6		
704483	RED	6	DECREASES	INCREASES

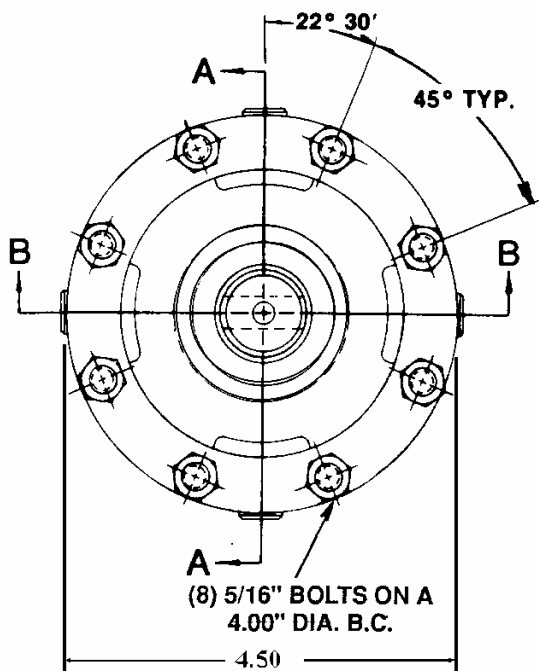
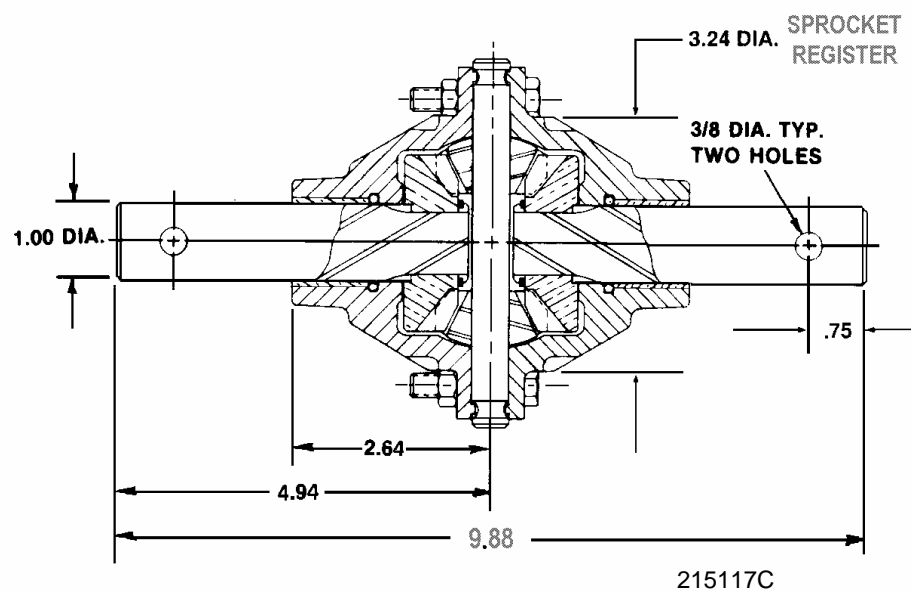
SELF CONTAINED DIFFERENTIAL



APPLICATIONS

UTILITY VEHICLES, DUNE BUGGIES, FUN KARTS, GO-KARTS, TURF EQUIPMENT, INDUSTRIAL EQUIPMENT, AND MANY MORE!

- High strength die cast aluminum alloy housing
- All steel bevel & pinion gears w/ stress-proof steel axle
- Self-lubricated bushings
- Maximum torque: Static tested to 1,000 foot pounds
- Weight: 8 lbs.
- 54T & 72T Sprockets available to fit differential housing.



DESCRIPTION

PART#

OPEN DIFFERENTIAL (COMPLETE)	215117C
72T/ 41PITCH SPROCKET (OPTIONAL)	216525A
54T/ 41 PITCH SPROCKET (OPTIONAL)	217220A
OUTPUT SHAFT – 12.7" LONG (OPTIONAL)	217317C
BISON GREASE	218240C

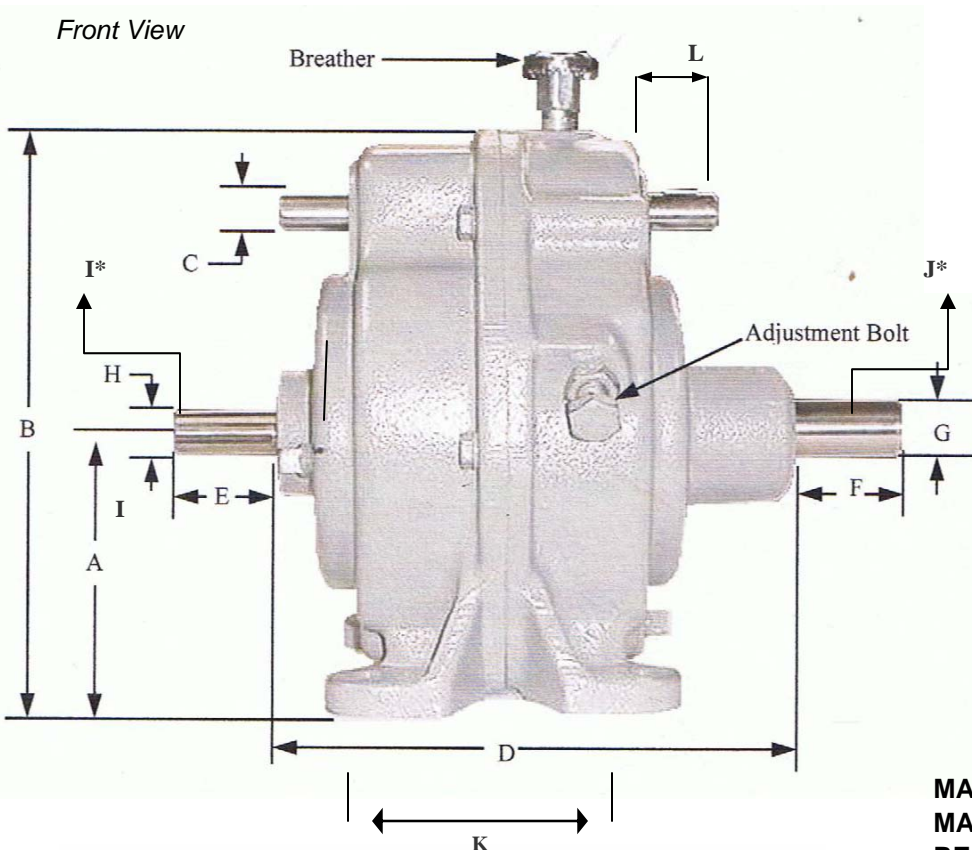
IMPORTANT: INSTALLATION REQUIRES (2) BEARING MOUNTS INBOARD AND (2) BEARING MOUNTS OUTBOARD.

F-N-R TRANSMISSION

SNPT

"SNPT" power transmissions are unique in that they provide dual oil bath clutches for longer life even with frequent shifting. SNPT transmissions are the longest lasting, most field servable, versatile, and economic single speed mechanical drive available. SNPT has been in business for over 50 years and have thousands of units currently working in construction, material handling, and agricultural applications around the world.

Front View



FEATURES:

- **UNIQUE DUAL CLUTCH DESIGN**
- **SHIFT ON THE FLY FORWARD OR REVERSE, UNDER LOAD**
- **COMPACT CONSTRUCTION**
- **EASY MAINTENANCE**
- **RUGGED DESIGN**
- **FITS ALL 780 SERIES DRIVENS**

DIMENSIONS (INCHES)

A: 4"	H: .75"
B: 9"	I: 3/16 X 3/32"
C: .652"	J: 1/4 X 1/8"
D: 8.69"	K: 4.25"
E: 4.37"***	L: 1.25"
F: 2"	M: 6"
G: 1"	N: 3"

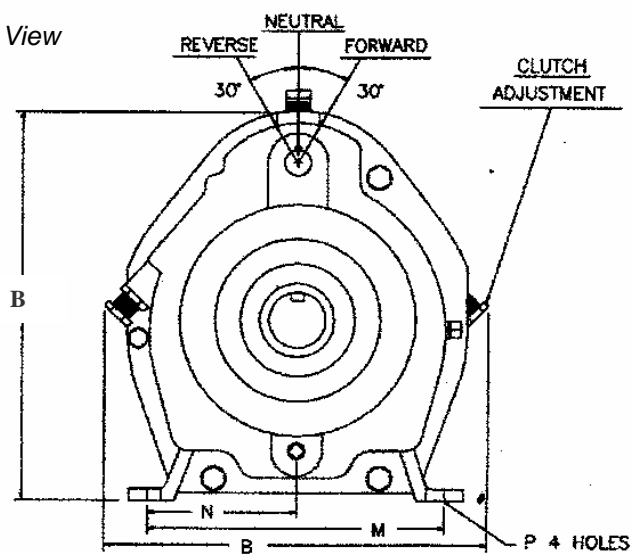
SPECIFICATIONS:

MAX H.P.:	16
MAX INPUT TORQUE:	72 FT. LBS.
REDUCTION FORWARD:	2.47:1
REDUCTION REVERSE:	2.47:1
MAX SIDE LOAD:	400 FT. LBS
OIL CAPACITY (PINTS):	1.65
SHIFTING EFFORT:	18 FT. LBS.
WEIGHT:	23.5 (ALUM. CASE)

*KEYWAY DIMENSIONS

**INPUT SHAFT IS THREADED FOR END BOLT (5/16X18-2B-THD.)
FOR DRIVEN SHAFT.

Side View



DESCRIPTION

PART#

SNPT FNR TRANSMISSION	5101B-QD
SNPT LEVER ARM, 12" X 5/8" W/ 3/16" KEYWAY (OPTIONAL)	14AX-5104

DISTRIBUTED BY: QUALITY DRIVE SYSTEMS

P.O. BOX 6910, ALHAMBRA, CALIFORNIA 91802-6910, TEL (626) 293 -5770 / FAX (626) 281 - 3392

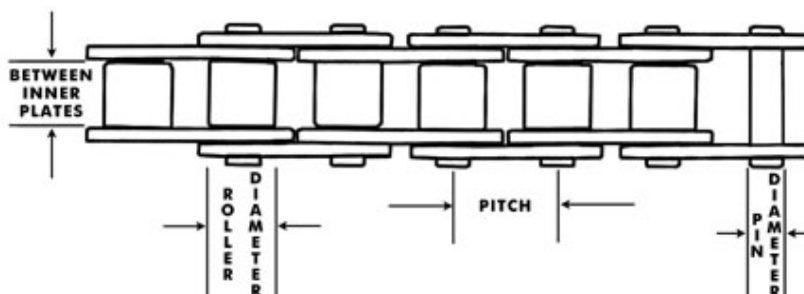
CHAINS

#40, 41, 420R Chains



PRODUCT DESC. CHAIN SIZE ↓	10 FT. BOX W/2 CONN. LINKS	BULK REELS PER FOOT	CONN. LINKS	OFFSET LINKS
#40	4014-10	4014	4015	4016
#41	4023-10	4023	4024	4025
#420	4035-10	4035	4036	4037

Chain Strength & Dimensions



Chain Number	Pitch	Roller Diameter	Between Inner Plates	Pin Diameter	Average Tensile	Lbs. per foot
#40	1/2	0.312	1/3	0.156	3,700	0.41
#41	1/2	0.306	1/4	0.141	2,000	0.27
#420	1/2	0.306	1/4	0.156	3,700	0.38



**Universal
Chain Breaker
Part No. 4899**

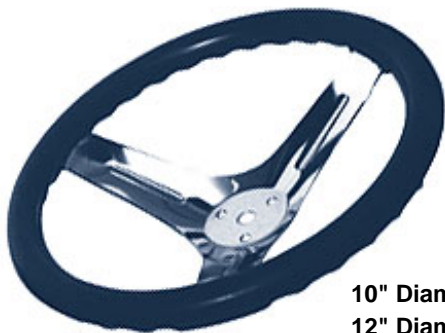


**Chain Deflector
Part No. 1810**

Chain Deflector is set with mounting holes which make it universally adaptable to all small engines. Chain should be kept in good shape at all times; in case of a break, however, this deflector will help to prevent broken chain from flying out and causing injury.

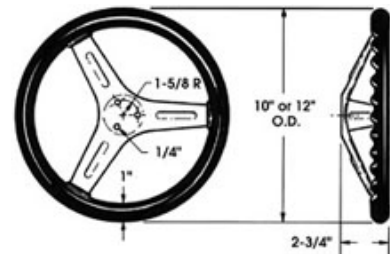
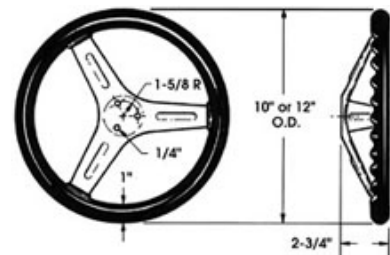
STEERING ACCESSORIES

Steering Wheel



10" Diameter #1801
12" Diameter #1805

- Choice of 2 Diameters : 10" & 12"
- One Piece Construction
- Chrome-Plated Quality Steel
- Solvent Proof Neoprene
- Molded Finger Groves

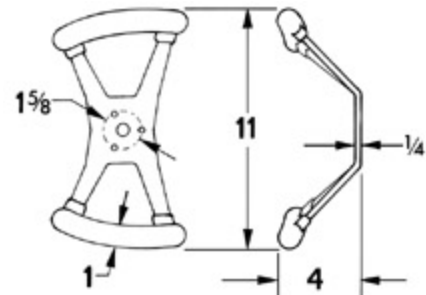


Butterfly Steering Wheel



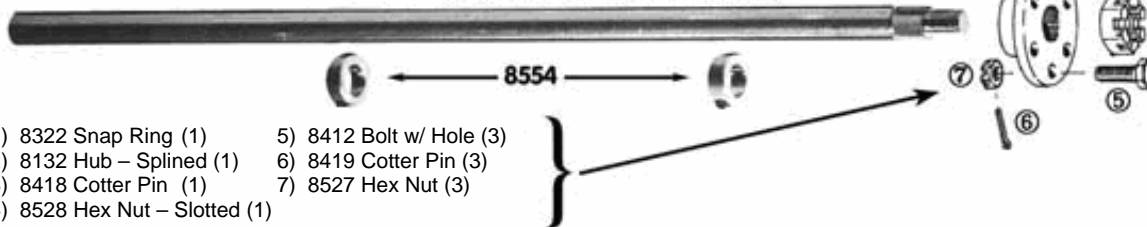
Anodized Black # 2293-BLK
Polished Aluminum # 2294

- Non-Flexing, Strong 1/4" Tempered Aluminum Alloy
- Choice of Black Anodized or High Buffed Finish
- Molded Neoprene Grips
- Two mounting position for personal taste



Complete Steering Shaft & Hub Assy.

#1868 – (22, 24, 25, 28, 34" Lengths)
Complete Kits includes all the following parts:

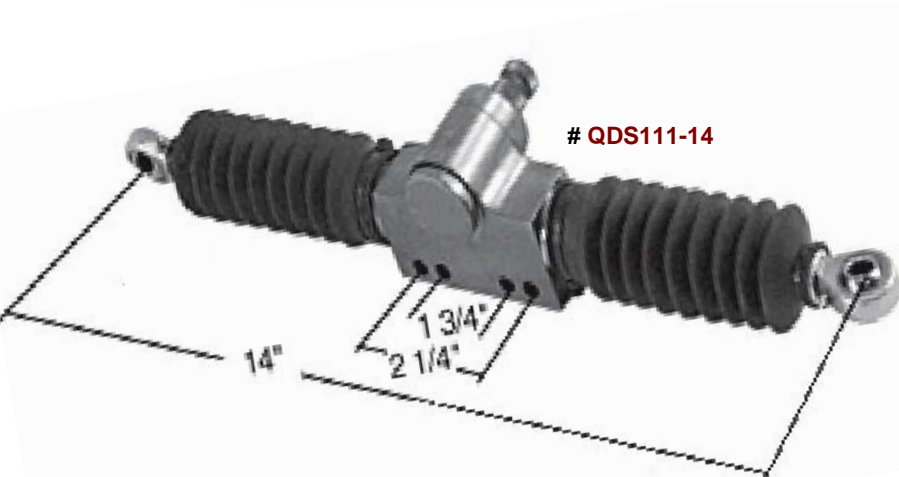
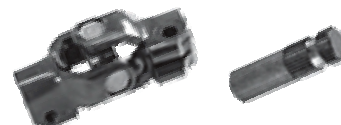


- | | |
|-------------------------------|--------------------------|
| 1) 8322 Snap Ring (1) | 5) 8412 Bolt w/ Hole (3) |
| 2) 8132 Hub – Splined (1) | 6) 8419 Cotter Pin (3) |
| 3) 8418 Cotter Pin (1) | 7) 8527 Hex Nut (3) |
| 4) 8528 Hex Nut – Slotted (1) | |

14" Rack & Pinion

QDS111-14

- 7075-T6 Polished Aluminum Housing
- Rod End Bearing
- 1-1/2 Turns, End to End (5" Travel)
- Includes U-Joint & 5/8"x1-1/2" Splined Shaft
- 11" Rack & Pinion also available



SAFETY EQUIPMENT



551802.94

3" X 2" 5-Point Dune Buggy Harness

- 3" Lap Harness: bolt-in reverse draw
- 2" twin wrap-around shoulder harness, sewn-in w/ lap belt
- Quick lap snap-in design
- Sewn in shoulder pads for extra support (not shown)
- Available in Black, Blue, Red, Grey, & Purple
- w/ built in latch guard (not shown)



332710.LG

3" 5-Point Snap-In Latch Style Seatbelt

- 3" Lap & Shoulder Harness
- Lap snap-in with built-in latch guard
- Snap-in anti-submarine bolt-in shoulder harness
- Available in Black, Blue, Red, Grey, & Purple



Helmet Support

PN

- **040009** Black
- **040002** Red
- **040003** Blue



Arm Restraints

605000

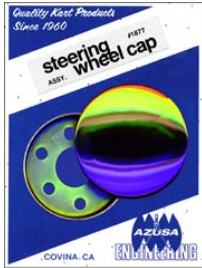
- Available in Black, Blue, Red, Grey, & Purple

***All belts offered by QDS meet or exceed the revised SFI 16-1 testing specification (2008 Mini-Baja rule requirement) ***

ACCESSORIES

Steering Wheel Cap Assembly

Fits either 1-1/2" or 1-5/8" bolt circle, or practically any make of steering wheel.



1877



"B" TYPE SPROCKETS FOR 40 CHAIN

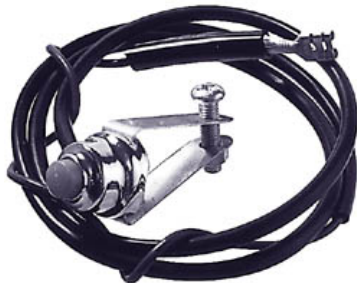
#40 CHAIN	3/4" BORE
8	-
10	1919
11	1920

"B" TYPE SPROCKET FOR 40/41 CHAIN

#40/41 CHAIN	3/4" BORE
TEETH	PART#
9	-
10	2110
11	2111
12	2112
13	2113
14	2114
17	-

Engine Kill Button Switch

This spring loaded ground contact switch fits both 7/8" and 1" frame or handle bars. A 36" shielded wire, with a spade type end fitting is assembled for fast installation.



1721

Don't see it? Just ask. Quality Drive Systems prides itself in supplying the market with a wide range of power transmissions components to meet your needs. Some of the products we offer include:



Terms & Policies

PRICES & SPECIFICATIONS: All goods sold in the state of California are subject to state sales tax where applicable. All prices and specifications are subject to change without notice. We cannot guarantee that all items listed in our catalog will continue to be available

PAYMENT: We accept all major credit cards as well as bank wire transfers. Only U.S. University P.O.'s accepted. On order for University PO's to be accepted an authorized hard copy of the University P.O. must be submitted by fax or mail.

RETURNS: All returns; a copy of the original invoice must accompany merchandise, within 30 days of invoice date. All returns must be authorized by QDS first. We will not refuse any reasonable claim; however, we reserve the right to apply a 15% restocking fee on items returned.

GUARANTEE: All QDS products offered are guaranteed to be free from defects in workmanship and material. Credit, repair, or replacement, is given after QDS inspection. Final decision on all returned merchandise remains with QDS.

BACK ORDERS: If there is to be any delay in filling your order, you will be notified or the item(s) will be indicated as back ordered (B/O) on your invoice.

FREIGHT CLAIMS: All merchandise is carefully packed and shipped in good condition. Any claims, damage to goods, or shortages should be made to the courier immediately upon receipt. All packing materials must be presented to the carrier for the claim.

SHIPPING METHODS: QDS primarily ships using UPS Ground service unless otherwise specified. Other methods/couriers include overnight, 2-Day, 3-Day, FedEx, DHL, & Parcel Post.

Questions? Comments? E-mail: qds@earhlink.net

UNIVERSITY PRICE SHEET ONLY

9/11/08

PART #	DESCRIPTION	UNIV. PRICE
CVT's:		
300822C	790,780,770, DRIVE CLUTCH, 1" BORE	\$ 195.00
302603C	790 DRIVEN, 3/4" BORE W/ REINFORCED CAM	\$ 180.00
301789C	780 DRIVEN, 3/4" BORE	\$ 180.00
302604C	770 DRIVEN, 3/4" BORE	\$ 180.00
BELTS:		
n/a	All 780,790, 770 CVT Belts	\$ 45.00
780,790,770 DRIVE SPRING KITS:		
703548/49	GREEN SPRING KIT (6 SPRINGS)	\$ 15.00
703064/64	BLUE SPRING KIT (6 SPRINGS)	\$ 15.00
703066/67	YELLOW SPRING KIT (6 SPRINGS)	\$ 15.00
703242/43	PURPLE SPRING KIT (6 SPRINGS)	\$ 15.00
703028/29	PLAIN SPRING KIT (6 SPRINGS)	\$ 15.00
780,790,770 DRIVE ROLLER WGT. KITS		
602239	68 GRAMS (3 PER)	\$ 45.00
164-002	71 GRAMS (3 PER)	\$ 45.00
602235	78 GRAMS (3 PER)	\$ 45.00
164-0005	91 GRAMS (3 PER)	\$ 45.00
602246	98 GRAMS (3 PER)	\$ 45.00
602253	105GRAMS (3 PER)	
780,790,770 DRIVE/DRIVEN PARTS		
302401A	DRIVE SPRING ASSEMBLY TOOL (NOT SHOWN)	\$ 20.00
300061C	WOODRUFF KEY (DRIVEN)	\$ 0.90
300919C	RETAINING RING (DRIVE & DRIVEN)	\$ 0.70
302307	DRIVEN REPLACEMENT BUTTONS (3 PACK)	\$ 2.75
780, 790,770 DRIVEN CAMS		
704377	28 DEGREE DRIVEN CAM W/	\$ 30.00
703703	32 DEGREE DRIVEN CAM (MINI-BAJA)	\$ 30.00
703274	35 DEGREE DRIVEN CAM	\$ 30.00
703219	41 DEGREE DRIVEN CAM	\$ 30.00
704379	32 DEGREE REINFORCED DRIVEN CAM*	\$ 45.00
	*(INCLUDED IN 302603C -790 DRIVEN)	
DRIVEN SPRINGS		
702970	PLAIN DRIVEN SPRING	\$ 15.00
703102	BLACK DRIVEN SPRING	\$ 15.00
704378	BLUE DRIVEN SPRING	\$ 15.00
704419	GREEN DRIVEN SPRING	\$ 15.00
704483	RED DRIVEN SPRING	\$ 15.00

DIFFERENTIAL

215117C	SCD-1 OPEN DIFFERENTIAL	\$ 225.00
216525A	72T / 41P SPROCKET	\$ 45.00
217220A	54T/ 41P SPROCKET	\$ 27.00
217317C	OUTPUT SHAFT FOR SCD-1, 12.7" (1)	\$ 47.00
218240C	BISON GREASE	\$ 10.00

SNPT FNR GEARBOX

5101B-QDS	SNPT FNR GEARBOX (2.47:1)	\$ 535.00
14AX-5104	SNPT LEVER ARM, 12"X5/8"	\$ 38.00

CHAINS

4014-10	#40R CHAIN, 10' BOX W/ 2 CONNECTORS	\$ 23.00
4014	#40R CHAIN PER FT.	\$ 2.25
4015	#40R CONNECTOR LINK	\$ 0.30
4016	#40R OFFSET LINK	\$ 0.85
4023-10	#41R CHAIN, 10' BOX W/ 2 CONNECTORS	\$ 23.00
4023	#41R CHAIN PER FT.	\$ 2.25
4024	#41R CONNECTOR LINK	\$ 0.40
4025	#41R OFFSET LINK	\$ 0.85
4035-10	#420R CHAIN, 10' BOX W/ 2 CONNECTORS	\$ 23.00
4035	#420R CHAIN PER FT.	\$ 2.25
4036	#420R CONNECTOR LINK	\$ 0.60
4037	#420R OFFSET LINK	\$ 1.00
4899	UNIVERSAL CHAIN BREAKER	\$ 23.00
1810	CHAIN DEFLECTOR	\$ 5.00

STEERING ACCESSORIES

1801	10" DIAMETER STEERING WHEEL	\$ 29.00
1805	12" DIAMETER STEERING WHEEL	\$ 31.00
2293	BUTTERFLY STEERING WHEEL - ANODIZED BLK.	\$ 46.00
2294	BUTTERFLY STEERING WHEEL - POLISHED ALUM.	\$ 55.00
1868-22	22" STEERING SHAFT & HUB KIT	\$ 20.00
1868-24	24" STEERING SHAFT & HUB KIT	\$ 20.00
1868-25	25" STEERING SHAFT & HUB KIT	\$ 21.00
1868-28	28" STEERING SHAFT & HUB KIT	\$ 21.00
1868-34	34" STEERING SHAFT & HUB KIT	\$ 23.00
QDS111-14	14" RACK & PINION W/ U-JOINT & STUB SHAFT	\$ 115.00
QDS111-11	11" RACK & PINION W/U-JOINT & STUB SHAFT (NOT SHOWN)	\$ 115.00

SAFETY GEAR

551812.9LG	3"X2" 5-POINT DUNE BUGGY HARNESS W/ PADS (BLACK, BLUE, RED, GREY OR PURPLE)	\$	122.00
332710.LG	3" 5-POINT HARNESS (BLACK, BLUE, RED, GREY OR PURPLE)	\$	115.00
040009	HELMET SUPPORT (BLACK)	\$	27.00
040002	HELMET SUPPORT (RED)	\$	27.00
040003	HELMET SUPPORT (BLUE)	\$	27.00
605000	ARM RESTRAINTS (2) (BLACK, BLUE, RED, GREY OR PURPLE)	\$	30.00

ACCESSORIES

2110	10T "B" TYPE SPROCKET FOR #40/41 CHAIN, 3/4" BORE	\$	7.85
2111	11T "B" TYPE SPROCKET FOR #40/41 CHAIN, 3/4" BORE	\$	8.25
2112	12T "B" TYPE SPROCKET FOR #40/41 CHAIN, 3/4" BORE	\$	8.50
2113	13T "B" TYPE SPROCKET FOR #40/41 CHAIN, 3/4" BORE	\$	8.95
2114	14T "B" TYPE SPROCKET FOR #40/41 CHAIN, 3/4" BORE	\$	9.50
1919	10T "B" TYPE SPROCKET FOR #40 CHAIN, 3/4" BORE	\$	7.95
1920	11T "B" TYPE SPROCKET FOR #40 CHAIN, 3/4" BORE	\$	8.10
1721	KILL SWITCH	\$	4.50
1877	STEERING WHEEL CAP	\$	7.75

(PRICES SUBJECT TO CHANGE WITHOUT NOTICE)

Ask for Our Recommendations On Other Sponsored Programs:

- *BUV Program*
- *Super-Mileage Program*
- *¼ Scale Tractor Program*
- *Formula SAE Program*