

**Cycle Computer-S128**

**Congratulations!**  
You have decided for a cycle computer to help you achieve your health & wellness. It gives you the true image of your exercise work in precise way.

S128 is designed to give feedback required by the most discerning cyclists, in which is with all the functionality on one large easy to read display.

S128 is a premier cycle computer for your challenge ride. With the wireless technology, users can enjoy their cycling.

Before use S128, please read through the manual that guides you on how to operate it correctly & quickly. S128 offers you several useful features to customize your exercise and gain the best & accurate measurement. Please keep this manual for reference.

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**Item List**

**Cadence & Speed Sensor**    **Magnet for speed**    **Transmitter & elastic belt**

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**Wearing Chest Belt for Heart Rate Function**

The transmitter should be positioned right below the breasts/pectoral muscles. The strap should be comfortable, but secure.  
Note: Transmitter will automatically get into "wake up" mode after the user wear it.

Note: Do not use S128 near high voltage power cables.

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S128 contains Heart Rate target zone function, it can help the user to set up the personal target zone.

Target zone will vary for each individual, depending on Age, Personal fitness goals, Existing health considerations (High blood pressure, circulation or respiration), Medications and Doctor's recommendations.

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**Installing the Cadence & Speed Sensor**

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**How to Strip Cycle Computer**

1) **Wheel Circumference**  
To get the accurate result, the wheel size should be correct. Mark the symbol on the tire and ride one circle. Then measure the length between two points that result comes out. Or you can get wheel circumference by the following equation:  
Circumference (mm) = 2x3.14xR (inch) x2.54 (1 inch = 2.54 cm)  
R=Radius in centimeter

2) **Installing the Bracket**  
Use the rubber pad to tighten the bracket to the handlebar or stem.

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**3)Installing the Cadence & Speed Sensor**  
Find a suitable point on the left Chain Stay to attach the Cadence & speed sensor. The distance between cycle computer & the sensor would approximately be 150 cm.

**4)Installing the Speed Magnet**  
Secure the Speed Magnet on the spoke of the back wheel and must face the Speed Sensor.

Note: Turn the speed handle to adjust speed sensor.  
The Max distance between speed sensor and Magnet should be 5mm.

**5) Installing the Cadence Magnet**  
Secure the Cadence Magnet on the Crank and must face the Cadence Sensor.

Note: The Max distance between the Cadence sensor and Magnet is 5mm.  
Note: To make sure that everything has been set up correctly before riding the bicycle. Please return the wheel to check the sensor and magnet installation. Initial flashing green light indicates the sensor detects magnet signals normally.

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**How to mount the bracket**

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**Speed, Heart Rate, Cadence Scan**

The main purpose of ID Scan is to pair up the cycle computer to its speed/cadence sensor or chest belt as well as to prevent signals and cross talk from other cycle computers. Each cycle computer set has been pre-ID Scan right after its production so the users do not necessarily need to run ID Scan after their purchase. The users would need to run ID Scan as if additional speed/cadence sensor /chest belt are being replaced or purposed for second bike use.

Note: The Bike1&Bike2 can coordinate with one individual code from one speed sensor or two individual codes with additional speed sensor /chest belt respectively.

Under any mode press and hold "M" key and "A" key together for 6 seconds to go into SCAN mode until "SCAN" display.

Press "S" key to start scan speed sensor ID, when the percentage of "S SCAN" shows 100 % means scan completed.

After completed "S SCAN", S128 will automatically start to scan chest belt ID, when the percentage of "SCAN" shows 100 % means scan completed (Please note that chest belt and speed sensor have to be in wake up mode).

Note: During ID Scan process, press and hold "M" key to open to another mode.

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- If "Tin" sign shows on the display when scan completed, it means ID scan failure. The user can press "Set" key again to scan again, or press "Mode" key to return scan mode.  
- The mode returns to Clock mode after 30 seconds automatically.

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**Low Battery Mode**

If low power for the battery, under Clock mode S128 will display the signal to indicate the low battery information.

2sec

Low power for speed sensor  
Low power for chest belt  
Low power for watch

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**Mode Change**

Press "M" key shortly to change mode.

Main Mode Change (Press "M" key to switch each mode)  
DATE MODE  
STOP WATCH MODE  
TRIP TIME MODE  
MAX SPEED MODE  
AVG SPEED MODE (Average Speed Mode)  
TRIP DIST MODE (Trip Distance Mode)

ODO BIKE 1 MODE (Odometer Bike 1 Mode)  
ODO BIKE 2 MODE (Odometer Bike 2 Mode)  
TOT. ODO MODE (Total Odometer Mode)  
DATE/CLOCK MODE

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**OPERATION PROCESS    DATE/CLOCK MODE**

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**STOPWATCH Mode**

The user press Start/Stop key to start stopwatch, and press Start/Stop key again to stop stopwatch, to clean the data by holding Start/Stop key for 3 seconds

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**TRIP TIME MODE**

- It displays the user's trip time from the beginning to the current  
- Press "M" key, it would change to Max Speed Mode.

Note:  
Under Trip Time Mode press and hold "SET" key for 3 seconds, the data will return to zero. (Including TRIP Time Max, Speed, Avg. Speed Trip Dist, Max CAD, Avg CAD, HR, TM, Time in Zone, Time Over Zone, Time Below Zone, Max HR, AVG HR, MAX ALTI, TRIP CLIMB)

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**Measure Mode**

**MAX. SPEED MODE**    **AVG. SPEED MODE**

It displays the user's Max Speed from the beginning to the current point.  
Note: If your time or distance is over the max. value (time 29 hr 59 min 59sec & Distance 999.999), it will not be able to measure correct average speed The "Err" shows on the display. Once the time and distance value has been reset, the average speed will show normally.

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**TRIP DIST MODE**    **ODO BIKE 1 MODE**

It displays the user's trip distance from the beginning to the current point.  
- It displays the first setting of wheel size odometer.  
- Press "M" key, it will change to ODO BIKE 2 Mode.

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**ODO BIKE 2 MODE**    **TOT. ODO MODE (Total Odometer Mode)**

- It displays the second setting of wheel size for odometer.  
- Press "M" key, it will change to TOT. ODO Mode.  
- It displays the total odometer from the beginning to the current odometer.  
Note: S128 will keep the value of ODO BIKE 1, ODO BIKE 2 and Total Odometer in the memory even after the user changes new battery. You can't set your last value of ODO BIKE1 and ODO BIKE 2 by following process as above ODO setting instruction.

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**How to set the Wheel size, Temperature and language**

Press "M" key, under "TOT. ODO" or "ODO BIKE1" or "ODO BIKE2" press and hold "SET KEY" for 3 sec.  
(Press "M" key to switch each mode)  
"M" key to "M" mode  
BIKE 1 = BIKE 2 MODE  
WHEEL SIZE MODE  
Temperature "C" / "F" MODE  
LANGUAGE MODE

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**Operation Process**

Press Mode "M" Key until the screen display "TOT. ODO"  
Under "TOT. ODO", press and hold "SET KEY" for 3 sec will get into WHEEL SIZE SETTING MODE

Press "M" key to select Km/H or Mile/H.  
Press "SET" key to select BIKE 1 or BIKE 2

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**WHEEL SIZE**    **WHEEL SIZE**

Press "M" key "W" wheel size in thousands will flash.  
Press "SET" key to adjust the number (0-21)  
Press "M" key to return to normal wheel size.  
Press "SET" key to adjust the number (0-9)  
Press "M" key "W" wheel size in tens will flash.  
Press "SET" key to adjust the number (0-9)  
Press "M" key "W" wheel size in one will flash.  
Press "SET" key to adjust the number (0-9)

Note: Set the wheel size from 100mm to 2.999mm.  
If pressing Mode forward after adjusting wheel size shows Err it means your wheel size did not adjust correctly.

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**C / F SETTING MODE**    **LANGUAGE SETTING MODE**

Press "SET" key to select "C" or "F".  
- Press "SET" key, it displays the current language setting mode (English is default).  
- Press "SET" key to switch to other 5 languages mode.

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**Bike 2 SETTING MODE**

- Press "M" key to 1 or 2 will flash.  
- Press "SET" key to select BIKE 2.

NOTE: To set BIKE 2, please follow the previous steps for setting bike 1

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**Heart Rate Mode**

Please press "H" Key, S128 will go into Heart Rate Mode. S128 will automatically detect the HR signal from the user who wear transmitter and display the total time (HR TM) the user use HR function.  
Press "H" key, it displays the time over target zone.  
Press "H" key, it displays the time in target zone.  
Press "H" key, it displays max. heart rate.  
Press "H" key, it displays the average heart rate.

NOTE: Under HR TM, AVG, PULSE or MAX PULSE, press and hold "SET" key for 3 seconds, it clears HR Data to Zero (the time in target zone, time over target zone, and time below target zone)

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**How to set the Heart Rate Target Zone**

The user can set up your personal HR Target Zone to make your exercise more efficiently. Just set up your Maximum heart rate and minimum heart rate. S128 can calculate the time and show you how much time your heart rate is over, in or below the zone you have determined.

Under "OVER" or "IN" or "BELOW" mode:  
Press and hold "SET" key for 3 seconds to go to the maximum heart rate setting.  
Press "SET" key to adjust the maximum heart rate.  
Press "M" key to go to the minimum heart rate setting.  
Press "SET" key to adjust the minimum heart rate.  
Press and hold "M" key for 3 seconds.

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**How to use Altimeter**

The S128 uses barometric air pressure to measure the altitude.  
It can convert the data of current barometric pressure into the respective altitude.  
Note: Please Do not insert any sharp objects into the measurement hole. These holes must always stay open and clean.

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**The Actual**  
The "actual altitude" is the altitude of the location where the user currently situated at, it is different from the home altitude. The altitude information signs can usually be found when riding ascending the mountain or traveling.

**MAX ALTI**  
The Max. ALTI displays the maximum altitude for the trip.

**TRIP CLIMB**  
The "TRIP CLIMB" tells you the climbing value for this trip. (TRIP CLIMB will increase only when you ride uphill.)  
Note that if the climbing does not reach more than 4 meters, trip climb will not increase.

**ALTI BIKE1 and ALTI BIKE2**  
ALTI BIKE1 and ALTI BIKE2 will display the total Altitude value for BIKE1. If the user is riding under BIKE2, ALTI BIKE2 will display the total Altitude value for BIKE2.

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**Total Altitude**  
The "total altitude" is the measurement for how high of your total climbing the sum of bike 1 altitude and bike 2 altitude

**Altitude Gain and Loss**  
Altitude gain and loss tells you the vertical height ascending or descending over a period of time. Altitude Function can be set into two systems. The metric system (m/min) and British system (feet/min). If the user is riding uphill, the screen will display ALTI GAIN, with value increasing. If the user is riding downhill, the screen will display ALTI LOSS, with value decreasing.  
Note: If the user never enter "real Altitude value" into Actual Altitude in setup mode, S128 will automatically measure the altitude according to the HOME Altitude you have determined

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**Cadence Mode**

Press "A" Key shortly to switch mode Function.  
MAX. CAD MODE (Max Cadence Mode)  
AVG. CAD MODE (Average Cadence Mode)

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**How to setting Altitude for S128**

**Setting Home Altitude**  
In order to make S128 to indicate altitude and climbing precisely, your home altitude must be set up in advance.

The temperature and weather changes are the key effects that influence the air pressure among the location where the user is actually situated in order to correct the inaccuracy brought by the influence of temperature and weather changes, the user can adjust the actual altitude on S128 in accordance with the actual altitude value given or provided in geographic means.

Please see page 36 for "How to set Actual Altitude and Home Altitude"

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**Re-calibrating the altimeter**

Due to change in local barometric pressure influenced by temperature and wind, the user may notice the ending altitude is different from the home altitude as day goes by. It is normal because of pressure changes over time, therefore, we strongly recommended to re-approach the home altitude value in S128 before goes out for a ride.

NOTE: Under any mode, press and hold "A" key and "M" key at same time for 3 sec until "SET HOME" display. You can adjust the value for actual altitude and return to your home altitude you have determined.

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**How to set Actual Altitude and Home Altitude**

Under "TOT. ALTI" or "ALTI BIKE1" or "ALTI BIKE2", press and hold "SET KEY" until ACT. ALTI mode display.  
Press "S" key to adjust Actual Altitude.  
Press "M" key to switch flashing number.

For technical reason, Gain/Loss are for reference only.

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**ACT. ALTI**    **HOME ALTI**    **HOME ALTI**

Press "M" key to change to HOME ALTI. After setting up Actual Altitude.  
Press "SET" key to adjust Home Altitude.  
Press "M" key to switch flashing number.  
Press and hold "M" to exit the setting mode until TOT. ALTI display.

Note:  
If you are unable getting into any setting mode, please check Memory Mode(MEM Mode) at first. Please make sure MEM Mode must be in "off" condition.

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**Mode Change for Altitude Mode**

Press A Mode Key shortly to change Altitude mode.  
Altitude Mode Change (Press "A" key to switch Altitude mode under any mode)

MAX ALTI MODE    TOT. ALTI MODE  
TRIP CLIMB MODE    ALTI GAIN MODE or ALTI LOSS MODE  
ALTI BIKE 1 MODE    MAX. CAD MODE  
ALTI BIKE 2 MODE    AVG. CAD MODE

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**OPERATION PROCESS**

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**TRIP CLIMB MODE**    **ALTI BIKE2**

It displays the climbing value for this trip.  
Press "M" key, it would be change to TRIP CLIMB MODE.  
Note: Under Trip Climb Mode, MAX ALTI, TRIP CLIMB, MAX GRAN, AVG. GRAD, Press and hold "SET" key for 3 sec, the data returns to zero.

**ALTI BIKE1**  
It displays the first setting of wheel size for the Altitude value.  
Press "A" key, it will change to ALTI BIKE2

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**ALTI BIKE2**    **TOT. ALTI**

It displays the Altitude value from second wheel size.  
Press "A" Key, it will change to TOT. ALTI

It displays the sum of Total Altitude from BIKE1 and BIKE2.

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**ALTI GAIN or ALTI LOSS**

It displays how high or low you are currently riding per min.

**Cadence Mode**  
It displays your average cadence and Max cadence  
- Under Altitude Mode,  
- Press "A" key, until Max. Cadence display.  
- Press "A" key again, it will change to Average Cadence Mode.

Under stopwatch mode, press and hold all key(M, S, A) at same time for 4 sec until all the value return to value of default.

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**How to make default settings**

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**MAINTENANCE**

**S128 cycle computer**  
If the display contrast changes and figures become faint, it's time to replace the battery. Consider changing the computer sensor and transmitter batteries at the same time.  
Note: Do not expose S128 computer to extremely cold or hot temperatures i.e. don't leave your unit in direct sunlight for extended periods of the time.

**Sensor**  
Check the position of sensor and magnet periodically. For current measurement, the sensor, magnet should not get wet, otherwise it may cause function error.

**Bracket/Magnet/Sensor head**  
The above items can be rinsed in surface fresh water or washed with a mild soap.

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**Battery replacement**

**S128 computer:**  
Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery model CR2032, the (+) side facing up.

**Sensor:**  
Unscrew the back cover. Look closely at the battery. Gently remove the battery and replace it with a new battery model CR2032, the (+) side facing up.

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**TROUBLESHOOTING**

**01. Display is black or very light:**  
The battery power may be low. Try a new battery to make sure the battery is installed correctly.

**02. Display becomes dark or blank:**  
The unit is too hot. Place the unit in a shaded area, and it will return to normal.

**03. The unit operates slowly or strangely:**  
The unit is too cold. Warm the unit, and it will return to normal.

**04. Date in display varies enormously:**  
Check your surroundings for electro magnetic or high energy interference and move away from the sources of interference.

**05. Data in display shows slowly:**  
The unit may be affected by low temperature which will be didn't influence the function reading. When the temperature rises, the data reading which will be back to the normal.

**06. Current speed does not appear:**  
It may be caused by the following situation: the distance & position between magnet and sensor to adjust or low battery power.

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**SPECIFICATIONS**

	Receiver	Speed Sensor	Transmitter & belt
Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C
Storage Temperature	-10°C - 50°C	-10°C - 50°C	-10°C - 50°C
Relative Humidity	NA	2.4GHz: 10%	2.4GHz: 10%
Battery	3 x lithium 2032 cell	3 x lithium 2032 cell	3 x lithium 2032 cell
Weight	38.6 grams	20 grams	65 grams. 5%

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Stopwatch Range: 0-29 (hour): 59 (minute): 59 (Second)  
Accuracy 1/100 seconds

Timer Range: 0-29 (hour): 59 (minute): 59 (Second)

Current Speed Range: 0-99.9 KM/0-62 Mile  
AVG Speed Range: 0-99.9 KM/0-62 Mile  
MAX Speed Range: 0-99.9 KM/0-62 Mile  
(Trip) Distance Range: 0-999.99 KM/0-600 Mile

Odometer Range: 0-9999.9 KM/0-62000 Mile  
Actual Altitude: 0-9999m/0-9999ft  
Max Altitude: 0-9999m/0-9999ft  
Trip Climb: 0-9999m/0-9999ft  
Total CLIMB: 0-9999m/0-9999ft  
ALTI Gain/ Loss: 0-0199m/0-999ft  
MAX Gradient: 99%  
AVG Gradient: 99%

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**Limited Warranty**

This product is for three years limited warranty commencing on the date of purchase. The product will be free from defects in material and workmanship for three years from the date of purchase.

- Warranty does not cover the batteries, damages due to misuse, abuse or accidents, cracked or broken cases, negligence of precautions, improper maintenance or commercial use.
- Warranty will void if the repairs are done by non authorized service technician.
- The warranties contained herein are expressly in lieu of any other warranties including implied warranty of merchantability and/or fitness for purpose. In no event shall manufacturer be liable for any damages, direct or incidental, consequential or special arising out of or related to the use of this manual or the products described herein.
- During this warranty period (three years) the product will either be repaired or replaced without charge.

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**Important Health Notice!**

Please read over the following information before using the Cycle Computer.

- Never use the cycle computer in combination with other medical/implanted electronic equipment and device especially heart pacemakers, EKG equipment, TENS equipment, cardio-pulmonary machines and pacemaker).
- If you are severely ill or pregnant, please consult your doctor before using cycle computer.
- Keep this device away from children. It contains batteries, which might be swallowed by children.
- As with most electronic receiving devices, there can sometimes be interference that causes inaccurate display readings. Avoid using your cycle computer near common sources of interference. These include high voltage power lines, air conditioning motor units, fluorescent lights, wireless devices, mobile, and computers.

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**Wheel Size Chart**

14.5 x 1.75	1020	2024
14.5 x 1.75	1025	2030
14.5 x 1.75	1030	2036
14.5 x 1.75	1035	2042
14.5 x 1.75	1040	2048
14.5 x 1.75	1045	2054
14.5 x 1.75	1050	2060
14.5 x 1.75	1055	2066
14.5 x 1.75	1060	2072
14.5 x 1.75	1065	2078
14.5 x 1.75	1070	2084
14.5 x 1.75	1075	2090
14.5 x 1.75	1080	2096
14.5 x 1.75	1085	2102
14.5 x 1.75	1090	2108
14.5 x 1.75	1095	2114
14.5 x 1.75	1100	2120
14.5 x 1.75	1105	2126
14.5 x 1.75	1110	2132
14.5 x 1.75	1115	2138
14.5 x 1.75	1120	2144
14.5 x 1.75	1125	2150
14.5 x 1.75	1130	2156
14.5 x 1.75	1135	2162
14.5 x 1.75	1140	2168
14.5 x 1.75	1145	2174
14.5 x 1.75	1150	2180
14.5 x 1.75	1155	2186
14.5 x 1.75	1160	2192
14.5 x 1.75	1165	2198
14.5 x 1.75	1170	2204
14.5 x 1.75	1175	2210
14.5 x 1.75	1180	2216
14.5 x 1.75	1185	2222
14.5 x 1.75	1190	2228
14.5 x 1.75	1195	2234
14.5 x 1.75	1200	2240
14.5 x 1.75	1205	2246
14.5 x 1.75	1210	2252
14.5 x 1.75	1215	2258
14.5 x 1.75	1220	2264
14.5 x 1.75	1225	2270
14.5 x 1.75	1230	2276
14.5 x 1.75	1235	2282
14.5 x 1.75	1240	2288
14.5 x 1.75	1245	2294
14.5 x 1.75	1250	2300
14.5 x 1.75	1255	2306
14.5 x 1.75	1260	2312
14.5 x 1.75	1265	2318
14.5 x 1.75	1270	2324
14.5 x 1.75	1275	2330
14.5 x 1.75	1280	2336
14.5 x 1.75	1285	2342
14.5 x 1.75	1290	2348
14.5 x 1.75	1295	2354
14.5 x 1.75	1300	2360
14.5 x 1.75	1305	2366
14.5 x 1.75	1310	2372
14.5 x 1.75	1315	2378
14.5 x 1.75	1320	2384
14.5 x 1.75	1325	2390
14.5 x 1.75	1330	2396
14.5 x 1.75	1335	2402
14.5 x 1.75	1340	2408
14.5 x 1.75	1345	2414
14.5 x 1.75	1350	2420
14.5 x 1.75	1355	2426
14.5 x 1.75	1360	2432
14.5 x 1.75	1365	2438
14.5 x 1.75	1370	2444
14.5 x 1.75	1375	2450
14.5 x 1.75	1380	2456
14.5 x 1.75	1385	2462
14.5 x 1.75	1390	2468
14.5 x 1.75	1395	2474
14.5 x 1.75	1400	2480
14.5 x 1.75	1405	2486
14.5 x 1.75	1410	2492
14.5 x 1.75	1415	2498
14.5 x 1.75	1420	2504
14.5 x 1.75	1425	2510
14.5 x 1.75	1430	2516
14.5 x 1.75	1435	2522
14.5 x 1.75	1440	2528
14.5 x 1.75	1445	2534
14.5 x 1.75	1450	2540
14.5 x 1.75	1455	2546
14.5 x 1.75	1460	2552
14.5 x 1.75	1465	2558
14.5 x 1.75	1470	2564
14.5 x 1.75	1475	2570