



SRD Stock API

1. First of all open Web service by URL :

<http://api.srd.world/webservice.asmx>

2. You have 3 Methods

WebService

The following operations are supported. For a formal def

- **GetSearchDiamond_Dataset**
Dataset Response Search Diamond
- **GetSearchDiamond_JSON**
JSON Response Search Diamond
- **GetSearchDiamond_XML**
XML Response Search Diamond

- **GetSearchDiamond_JSON:** Returns JSON Response
- **GetSearchDiamond_XML:** Returns XML Response
- **GetSearchDiamond_Dataset:** Returns Direct Dataset Response



3. Input Parameters. Pass blank argument to fetch all stock.

GetSearchDiamond_JSON

JSON Response Search Diamond

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
Shape:	<input type="text" value="R,CU"/>
Color:	<input type="text" value="D,E,F"/>
Clarity:	<input type="text" value="VVS1,VVS2"/>
Cut:	<input type="text"/>
Polish:	<input type="text"/>
Symm:	<input type="text"/>
Flour:	<input type="text"/>
Lab:	<input type="text"/>
FromSize:	<input type="text" value="1"/>
ToSize:	<input type="text" value="1"/>
FromLength:	<input type="text"/>
ToLength:	<input type="text"/>
FromWidth:	<input type="text"/>
ToWidth:	<input type="text"/>
FromHeight:	<input type="text"/>
ToHeight:	<input type="text"/>
FromTablePer:	<input type="text"/>
ToTablePer:	<input type="text"/>
FromDepthPer:	<input type="text"/>
ToDepthPer:	<input type="text"/>
Token:	<input type="text" value="22194017-5837-4100-8271-038318761100"/>

Invoke

SOAP 1.1

Note: Here, in **"Token"** parameter you have to pass id which is given by SRD



4. Input Parameters

Parameters	Value
Shape	R = ROUND CU = CUSHION OL = OVAL LAMOUR PR = PRINCESS CB = CUSHION BRILLIANT EM = EMERALD HR = HEART MQ = MARQUISE OV = OVAL PE = PEAR RD = RADIANT RQ = RADIANT SQUARE LR = LAMOUR AS = ASCER
Color	D,E,F,G,H,I,J,K,L,M
Clarity	FL,IF,VVS1,VVS2,VS1,VS2,SI1,SI2,SI3,I1,I2,I3
Cut	F,GD,VG,EX,P
Polish	EX,VG,G
Symmetry	EX,VG,G,F
Flour	N,M,S,VS,F
Lab	GIA,IGI



5. JSON Response

```
{
  "MESSAGE": [
    {
      "ErrorMessage": "Success",
      "ErrorCode": "1",
      "AlertTypeCode": "0"
    }
  ],
  "TABLE": [
    {
      "STOCK_ID": "a82e8acb-d04b-43de-8586-051eadf2cc17",
      "StockNo": "U8092623C",
      "PartyStockNo": "218-228A",
      "Shape": "CUSHION",
      "Carat": 1.00,
      "Color": "E",
      "Clarity": "VVS2",
      "Cut": "VG",
      "Pol": "EX",
      "Sym": "EX",
      "Fluo": "S",
      "Milky": null,
      "Brown": null,
      "EyeClean": null,
      "Lab": "GIA",
      "CertiNo": "2346477769",
      "DepthPer": 70.00,
      "TablePer": 62.00,
      "Rap": 8400.0,
      "RapAmount": 8400.00000,
      "Discount": 0.00,
      "PricePerCarat": 8400.00,
      "Amount": 8400.00,
      "Location": "MUM",
      "ISFancy": false,
      "FancyColor": "",
      "FancyColorIntensity": null,
      "FancyColorOvertone": null,
      "BlackTable": "",
      "BlackCrown": "",
      "WhiteTable": ""
    }
  ]
}
```

Here "MESSAGE" array shows you error or success, if any case



6. XML Response

```
▼ <DATASET>
  ▼ <MESSAGE>
    <ErrorMessage>Success</ErrorMessage>
    <ErrorCode>1</ErrorCode>
    <AlertTypeCode>0</AlertTypeCode>
  </MESSAGE>
  ▼ <TABLE>
    <STOCK_ID>a82e8acb-d04b-43de-8586-051eadf2cc17</STOCK_ID>
    <StockNo>U8092623C</StockNo>
    <PartyStockNo>218-228A</PartyStockNo>
    <Shape>CUSHION</Shape>
    <Carat>1.00</Carat>
    <Color>E</Color>
    <Clarity>VVS2</Clarity>
    <Cut>VG</Cut>
    <Pol>EX</Pol>
    <Sym>EX</Sym>
    <Fluo>S</Fluo>
    <Lab>GIA</Lab>
    <CertiNo>2346477769</CertiNo>
    <DepthPer>70.00</DepthPer>
    <TablePer>62.00</TablePer>
    <Rap>8400</Rap>
    <RapAmount>8400.00000</RapAmount>
    <Discount>0.00</Discount>
    <PricePerCarat>8400.00</PricePerCarat>
    <Amount>8400.00</Amount>
    <Location>MUM</Location>
    <ISFancy>false</ISFancy>
    <FancyColor> </FancyColor>
    <BlackTable> </BlackTable>
    <BlackCrown> </BlackCrown>
    <WhiteTable> </WhiteTable>
    <WhiteCrown> </WhiteCrown>
    <TableOpen> </TableOpen>
    <CrownOpen> </CrownOpen>
    <PavOpen> </PavOpen>
    <Length>5.41</Length>
    <Width>5.37</Width>
    <Height>3.76</Height>
    <TablePer1>62.00</TablePer1>
    <DepthPer1>70.00</DepthPer1>
    <Measurement>5.41*5.37*3.76</Measurement>
    <CrAngle>0.00</CrAngle>
    <CrHeight>0.00</CrHeight>
    <PavAngle>0.00</PavAngle>
```

Here “MESSAGE” array shows you error or success, if any case