## Features

● **Point2**

| Comment | Projection |
|---------|-----------|

| | ∨ | **None** |

**Clearance Group** | **Nominal Definition**

| CP +Z | ∨ | **Options** | ∨ |

**Tolerance For:** | **Nominal**

☐ X | **36.3075**
☐ Y | **0.0000**
☐ Z | **0.0000**
i | 0.0000
j | 0.0000
k | 1.0000
☐ PtDist

**Probing Direction** ∨

**Measure Normal Vector Now**

| Sigma | Form | Points |
|-------|------|--------|

| Min | Point no | Point no | Max |
|-----|----------|----------|-----|

| **OK** | **Reset** | → |

---

### Formula... (red)

**Length in mm**

`((( getActual("Circle_FOD").diameter - getActual("Circle_ID").diameter)/2)+ getActual("Circle_ID").diameter)/2`

| Function | Loop | Nominal | Actual |

**Characteristics** | **Features** | **Attributes**

| X Value_Circle1 | Point1 |
| Y Value_Circle1 | Circle1 |
| OD | RACEWAY |
| OD MAX | Circle_OD |
| OD ROUNDNESS | Circle_FindStake |
| OD MIN | MaxPoint_FindStake |
| Alignment_Stake | Circle_StakeMeasurement |
| STAKE DIAMETER | MaxPoint_StakeMeasurement |
| STAKE DIAMETER MAX | Circle_STAKES |
| STAKE DIAMETER MIN | SD_1 |

| OK |

---

### Formula... (green)

**Length in mm**

`getActual("Circle1").y`

| Function | Loop | Nominal | Actual |

**Characteristics** | **Features**

| X Value_Circle1 | Point1 |
| Y Value_Circle1 | Circle1 |
| OD | RACEWAY |
| OD MAX | Circle_OD |
| OD ROUNDNESS | Circle_FindStake |
| OD MIN | MaxPoint_FindStake |
| Alignment_Stake | Circle_StakeMeasurement |
| STAKE DIAMETER | MaxPoint_StakeMeasurement |
| STAKE DIAMETER MAX | Circle_STAKES |
| STAKE DIAMETER MIN | SD_1 |
| STAKE CONCENTRICITY | SD_2 |

## Selection

**Calculation of nominal geometry**
Calculation of the nominal geometry with pattern and formulas.

- ● First formula then pattern
- ○ First pattern then formula

| Selection of Pattern | New |
|---|---|

- Rotational Pattern 1
- Rotational Pattern 2
- Rotational Pattern 3
- Rotational Pattern 4

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## Rotational Pattern (use for scallop)

Rotational Pattern 1

Alignment **[Base Alignment]** ∨

**Center**

| 0.0000 | X | 0.0000 | Y | 0.0000 | Z |
|---|---|---|---|---|---|

| 60.0000 | Angular Pitch | 6 | Real number |
|---|---|---|---|

[ ] ∨ **Loop Index Definition**

| | Exclude Indexes |
|---|---|

**Projection Plane**

| 0.0000 | A1 X/Z | +Z Axis ∨ | Spatial Axis |
|---|---|---|---|
| 0.0000 | A2 Y/Z | | |

☑ Update Graphics    OK    Cancel